

Australian Litter Measure

LITTER SURVEY *Perth Metropolitan Area* 2024 – 2025

This project is supported by the Waste Authority through the Waste Avoidance and Resource Recovery Account.

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Executive Summary

This report presents the findings of Australian Litter Measure litter surveys completed by Perth NRM across the Perth metropolitan area during the 12 months to June 2025. To date, seven bi-annual surveys have been completed using this method and this report includes the full results of the November 24 and May 25 surveys, as well as a preliminary overview of trends/patterns seen across the seven surveys completed to date.

For 2024/25, across 106,619 square metres surveyed, 12,764 items of litter were counted, with a calculated volume of 716.61 litres.

Cigarette Butts and filters were found to be the most common item by count, while **Paper and Card food packaging** was the highest item by volume. On a raw basis, **Main Road** sites contained the highest litter by count and Industrial had the highest litter by volume. **Beaches** had the lowest litter levels by raw count and volume. **Plastic** represented the highest material found by count (58%) and volume (31%). Detailed data and analysis is provided for site types, and key litter items and categories in *Section 3.0 Litter Data by Site Type* and *Section 4.0 Key Categories and Items*.

In this report litter data has been provided by site types and key categories to establish a basis for trend analysis under this newly developed litter count method.

About Perth NRM

Perth NRM is a not-for-profit organisation, in the natural resources management (NRM) sector.

Perth NRM has successfully partnered with industry groups, local, state and federal government departments, educational institutions, and land care groups to promote long-term outcomes in water quality, biodiversity enhancement, healthy coastal environments, cultural heritage preservation and sustainable agricultural practices. Through collaborative natural resource management initiatives, we contribute to the social, economic, and environmental well-being of the Perth region.

Our purpose: Empowering people to positive ecological impact.

Our vision: We live in thriving natural ecosystems with sustainable food production.

1.0 Project Summary

Project Background

The Australian Litter Measure (“AusLM”) is a newly developed litter count method, designed to capture high volumes of standardised litter data across all states of Australia. In May 22 an initial baseline litter survey was completed by Perth NRM utilising this method, which served to identify key items and indicators for litter in the Perth metropolitan area. Following this initial survey, Keep Australia Beautiful Council (‘KABC’) has engaged Perth NRM for a continuous Litter Survey that is scheduled twice a year over a three-year period. These litter surveys will help to identify trends in litter levels, as well as assist KABC to track the efficacy of its programs.

The full findings of the November 24 and May 25 litter surveys are contained in this report. Reports from previously completed litter surveys (including the May 22 baseline litter survey) can be obtained from the Keep Australia Beautiful WA website.

1.0 Project Summary

Scope

Over a two-week period in both November 24 and May 25, litter surveys were conducted at 57 sites across ten local government jurisdictions within the Perth Metropolitan area. The litter surveys were completed following the guidelines contained in the AusLM Field Guide (a comprehensive nationally applicable handbook that provides detailed guidance on all aspects of the AusLM litter count method). The guide defines six distinct site types where surveys should be undertaken, summarised in the below table. The guide also prescribes the relevant parameters for the area to survey at each of the site types, and the number of transects (straight lines where litter counting is undertaken) to survey. In most cases, one of each site type was surveyed in each local government area.

Site type	Description
Beach	A mostly sandy beach frequently visited by people for activities such as swimming, walking, other recreation and relaxation.
Residential Area	A street/collection of streets in a residential area. The street has homes, units, or apartments on both sides of the street
Industrial Area	A street/collection of streets in an industrial area.
Retail Area	A street/collection of streets within a retail precinct (i.e., shopfronts).
Recreational Park	A public outdoor park mostly covered by grass and frequently visited by individuals and families for recreation and leisure activities.
Main roads	Straight open stretches of sealed road with wide verges. Roads that typically act as an arterial for traffic between and around population centres.

The table below provides an overview of the number of sites and transects surveyed in this program of litter surveys.

Location	Number of sites surveyed*	Number of transects surveyed
LGA 01	6	28
LGA 02	5*	23
LGA 03	6	28
LGA 04	6	28
LGA 05	5*	23
LGA 06	6	28
LGA 07	6	28
LGA 08	6	28
LGA 09	5*	23
LGA 10	6	28
Total	57	265

* Three local government areas did not contain a suitable site (river or coastal) within their boundary, therefore those LGA areas only had 5 sites surveyed.

1.0 Project Summary

Survey Methodology

KABC selected the 57 sites to be surveyed based on the AusLM Site Type assessment criteria (attached at Appendix 1).

Perth NRM engaged a team of litter surveyors to complete the periods of surveys. Prior to undertaking the surveys, the team received comprehensive theory and field-based training in the AusLM method.

The litter surveyors conducting the surveys worked in pairs, completing one site per team, per day. Data was collected on tablet devices, in an Excel workbook. Litter observed was classified based on the 247 items in the count sheet in the current AusLM Field Guide (refer Appendix 2).

Both team members set up the transects and collected site context information (to determine whether certain factors had an impact on the litter levels, such as the presence of waste and recycling bins, BBQ areas in parks and council bin days). For the litter counting, one “spotter” called out the items observed, while the other surveyor recorded the data into the workbook.

Perth NRM has undertaken the data collation, review and analysis of the final findings and compilation of the written report.

Measurement Methodology

AusLM uses a standing stock visual litter count. This method was chosen as the most appropriate way of answering questions about broad trends and achievements at the jurisdictional scale. Under this method, litter items are counted and categorised in a defined area and litter is left in place. It is a relatively fast and cost-effective method that indicates the extent and composition of litter at a site at a point in time.

1.0 Project Summary

Data Calculation Basis

The following calculations have been utilised throughout the report:

Raw Measures

Total Litter Items by Count (#)	total number of individual items counted
Total Litter Volume – litres (l)	total number of individual items counted x standard volume per item*

Normalised Measures

Total Litter Items by Count (#) per 1,000m²	$\frac{\text{total number of individual items counted}}{\text{total square metres surveyed}} \times 1000$
Total Litter Volume litres (l) per 1,000m²	$\frac{\text{total number of individual items counted} \times \text{standard volume per item*}}{\text{total square metres surveyed}} \times 1000$

*This estimated standard volume for each item is attached at Appendix 3.

Data Periods Presentation

This report contains two periods of survey data. Colours have been used to identify when tables/graphs include data from a discrete period; specifically **blue headers/tables** contain data for November 24 and **Orange headers/tables** contain data for May 25. Figures referenced as 2024/25 and **green headers/tables**, indicate data for the two surveys has been aggregated (average of the two periods).

2.0 Overall Litter Data

Annual Litter Data and Key Findings

Annual Litter Data - All Periods					
	Total Area Surveyed	Total Litter Items	Litter Items /1000m2	Total Litter Volume (l)	Litter Volume (l)/1000m2
2024/25	106,619	12,764	119.72	716.61	6.72
2023/24	107,677	10,700	99.37	740.99	6.88
2022/23	104,876	17,195	163.95	1,129.24	10.77
May 22 Baseline	104,726	18,245	174.22	1,145.65	10.94

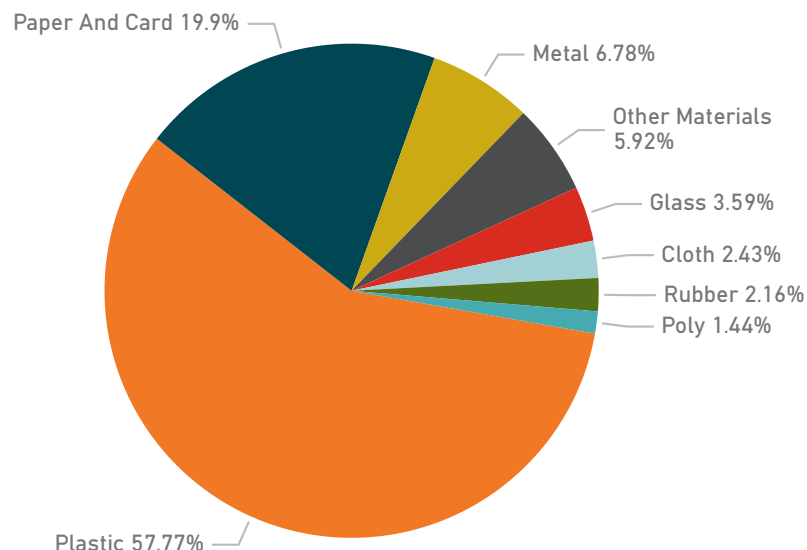
Aggregated litter data by site type for 2024/25 year is provided below, with more detailed commentary on the individual survey periods provided later in this section.

Summary Data by Site Type - 2024/25					
Site Type	Total Area Surveyed	Total Litter Items	Litter Items /1000m2	Total Litter Volume (l)	Litter Volume /1000m2
Beach	5,741.25	197	34.23	20.38	3.55
Retail	13,892.13	2,691	193.71	112.87	8.12
Residential	35,005.03	1,385	38.81	92.29	2.64
Industrial	21,912.50	3,868	176.52	250.33	11.42
Park	11,875.95	776	65.34	38.53	3.24
Main Road	18,192.00	3,874	212.95	202.21	11.12
TOTAL	106,618.86	12,764	119.72	716.61	6.72

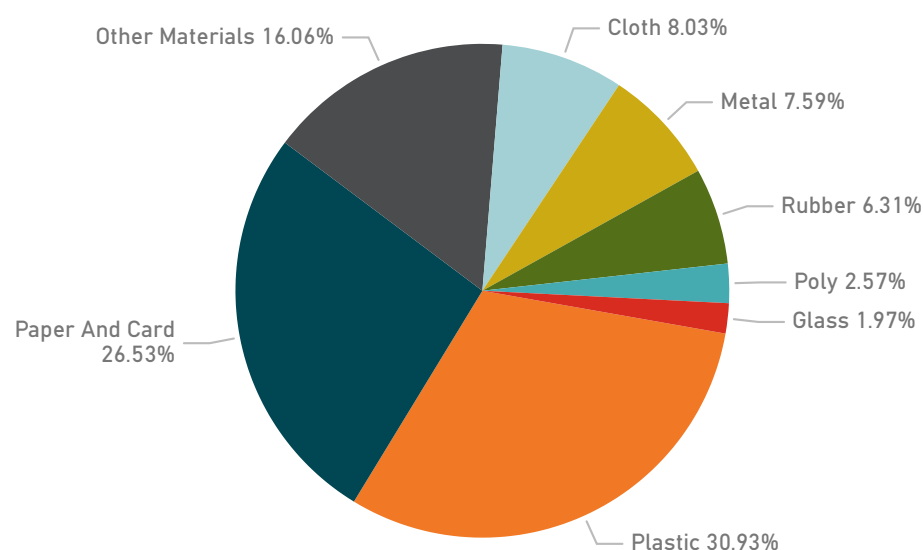
2.0 Overall Litter Data

- Consistent with the last two years annual reports, the top litter items by count in 2024/25 were **Cigarette butts and filters**, followed by **Hard plastic fragment – small** and **Paper and card fragment – small**.
- By volume, **Paper and card food packaging** was the largest contributor, followed by **Construction Materials** and **Clothing**.
- By raw count **Main Road** was the highest littered site, with **Industrial** a very close second (just six items between them). Once figures are normalised to account for the varying square metres surveyed, **Retail** moves into second place by count, ahead of **Industrial**. From a volume perspective **Industrial** sites contain the highest litter levels, on both a raw and normalised basis. Further detail on trends at each of the Site Types including the impacts of normalising the figures, is contained in *Section 3.0 Litter Data by Site Type*.
- Of all litter items counted in 2024/25, 58% were made of **Plastic** (including Hard Plastic, Soft Plastic and Fragments). From a volume perspective, Plastic items accounted for 31% of the litter, with **Paper and Card** the second largest contributor, at 27% of total volume.

Litter Count by Source Material



Litter Volume by Source Material



2.0 Overall Litter Data

Top 15 Items by Count	
Item	Count
Cigarette butts and filters	2,722
Hard plastic Size 1 – Small (> 2.5 cm to 8 cm)	1,109
Paper and Card Size 1 – Small (> 2.5 cm to 8 cm)	1,036
Soft plastic Size 1 – Small (> 2.5 cm to 8 cm)	679
Food/confect. Wrappers	671
Lids - Beverage container lids/caps	404
Paper tissues/napkin	368
Paper and Card Size 2 – Medium (> 8 cm to 16 cm)	349
Glass Size 1 – Small (> 2.5 cm to 8 cm)	343
Hard plastic Size 2 – Medium (> 8 cm to 16 cm)	340
Soft plastic Size 2 – Medium (> 8 cm to 16 cm)	269
Lids, bottle tops, can ring pulls	261
Shopper dockets, tickets/receipts	230
Metal Size 1 – Small (> 2.5 cm to 8 cm)	186
Tape/narrow soft plastic film	172

Top 15 Items by Volume	
Item	Volume
Paper/card food packaging	63.75
Construction materials	54.54
Clothing	41.00
Tyres	40.00
Food/confect. Wrappers	33.53
Rope/string	24.90
Non-Food package	18.75
Paper tissues/napkin	18.40
Cup - Coffee cup	17.80
Packages & boxes	17.50
Other Food Package	17.00
Aluminium foil wrap	16.30
Strapping band	14.60
Takeaway food container	14.25
Other cloth item	13.60

2.0 Overall Litter Data

Period Litter Data and Key Findings

Some key findings of the distinct survey periods of November 24 and May 25 are discussed below. Further detail on these trends amongst sites and key categories is contained in *3.0 Litter Data by Site Type and Section 4.0 Key Categories and Items*.

Summary Data by Period – 2024/25					
	Total Area Surveyed	Total Litter Items	Litter Items /1000m2	Total Litter Volume (l)	Litter Volume (l)/1000m2
May 25	106,978.88	11,859.00	110.85	724.51	6.77
November 24	106,258.84	13,669.00	128.64	708.71	6.67

- In November 24, **Main Roads** were the sites with the highest litter level by raw count (4,257) and volume (215.06 litres). Elevated litter levels were more of a consistent trend across the locations this year, with four of ten sites surveyed containing greater than 400 items. **Industrial** sites contained the second highest litter levels by raw count (3,892 items) and volume (205.41 litres). Once the figures are normalised, **Retail** moves into top spot from a count perspective, and second place by volume.
- In the May 25 survey, **Industrial** sites recorded the highest litter by raw count (3,844 items) and volume (295.25 litres). Whilst the litter count at **Industrial** sites remained steady between November 24 and May 25, the calculated volume increased significantly, driven by an increase in the number of items recorded with a high calculated volume, such as **Tyres** and **Construction Materials** at this site type.
- Beaches** and **Parks** continue to record the lowest litter levels on a raw basis, together accounting for just 7.42% of the total litter items by count and 8.35% by volume in November 24 and 7.85% of the total litter items by count and 8.08% of the volume in May 25. With these sites having the least area covered, the impact of normalisation means some adjustments are seen when the square metres surveyed is taken into account. In November 24 **Parks** move into fourth place ahead of **Residential** by normalised count and volume. In May 25, **Beaches** move into fourth place by normalised volume; some interesting indicators highlighting the importance of considering both raw and normalised figures.
- Consistent with all previous AusLM litter surveys completed in Perth, **Cigarette butts and filters** were the highest item by count in both November 24 and May 25. In November 24, total **Cigarette butts and filters** counted were 3,217, accounting for 23.54% of the total items or 0.91% of the total volume. In May 25, total **Cigarette butts and filters** counted were 2,227, accounting for 18.78% of total items of 0.61% of total volume. They were highly concentrated in **Retail**, **Main Road** and

2.0 Overall Litter Data

Industrial sites, with those locations accounting for greater than 89% of the **Cigarette butts and filters** recorded in the 2024/25 survey periods. Cigarette butt bins were not observed at any of those sites.

- In November 24, the **Takeaway food packaging** category represented 13.78% of total items and 21.48% of the volume. In May 25 this alters to 16.62% of total items and 21.64% of total volume. Consistent with 2023/24 in both November 24 and May 25, the top items by count within this category were **Food and confectionary wrappers**, followed by **Lids – Beverage container lids /caps** (plastic) and **Lids, bottle tops, can ring pulls** (metal). By volume, **Paper and card food packaging** represented the highest contributor within this category in both survey periods.
- **Fragments** made up a significant portion of litter items counted, totalling 5,442 across all sizes and categories in November 24, and 5,194 in May 25. This equates to 39.81% of total litter items counted in November 24 and 43.80% in May 25. In November 24, **Paper and card fragments** were the most common material by count, accounting for 1,593 or 29.27% of the total fragments. As was the case for the previous two years, this alters to **Hard plastic** in the May survey period, with 1,533 **Hard plastic fragments** counted in May 25, accounting for 29.51% of the total fragments observed.
- Data on **Beverage Containers** was collected, including segregation of those eligible for a 10c refund, under the Container Deposit Scheme (“CDS”). In November 24, there was a total of 98 **Beverage Containers** counted, which included 86 that were classified as eligible for a refund under the CDS and a further 12 that were not. In May 25, 101 **Beverage Containers** were recorded, including 93 that were classified as eligible for a refund under the CDS. Soft drink (which includes flavoured water, fruit juice drink, sports drinks, energy drinks) continues to be the greatest contributor to this category, accounting for 35% and 49% of CDS beverage containers recorded in November 24 and May 25 respectively. It is interesting to note that while the litter levels of beverage containers themselves appear to be kept well contained by the CDS scheme – the lids associated with these beverage containers persist as a litter issue, with 581 beverage container lids¹ recorded in November 24, and 748 in May 25.

¹The sum of Lids beverage container lids/caps (plastic) and Lids, bottle tops, can ring pulls (metal).

2.0 Overall Litter Data

Top Litter Item by Count and Site Type November 24		
Site Type	Item	Total Items
Beach	Hard plastic fragment – small	28
Retail	Cigarette butts and filters	1,695
Residential	Cigarette butts and filters	118
Industrial	Cigarette butts and filters	657
Park	Cigarette butts and filters	182
Main Road	Paper and card fragment – small	666

Top Litter Item by Volume and Site Type November 24		
Site Type	Item	Total Volume (l)
Beach	Rope/string	3.00
Retail	Paper/card food packaging	20.50
Residential	Construction Materials	13.32
Industrial	Paper/card food packaging	17.00
Park	Paper/card food packaging	4.50
Main Road	Paper/card food packaging	22.50

Top Litter Item by Count and Site Type May 25		
Site Type	Item	Total Items
Beach	Food/confect. Wrappers	33
Retail	Cigarette Butts and Filters	951
Residential	Hard plastic fragment – small	237
Industrial	Cigarette Butts and Filters	355
Park	Cigarette butts and filters	113
Main Road	Cigarette Butts and Filters	653

Top Litter Item by Volume and Site Type May 25		
Site Type	Item	Total Volume (l)
Beach	Clothing	10.00
Retail	Paper/card food packaging	13.50
Residential	Construction Materials	6.12
Industrial	Tyres	60.00
Park	Clothing	4.00
Main Road	Tyres	20.00

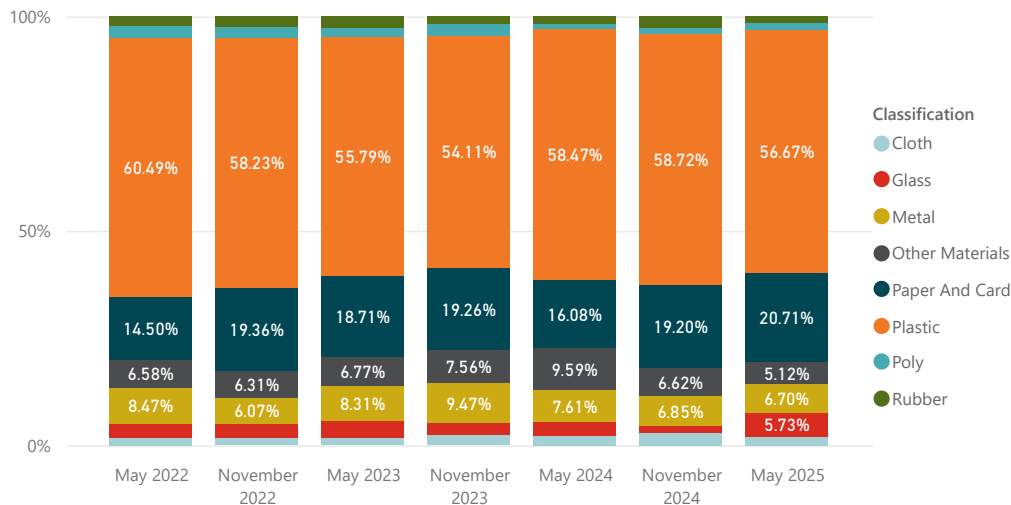
2.0 Overall Litter Data

Comparison with Previous Periods

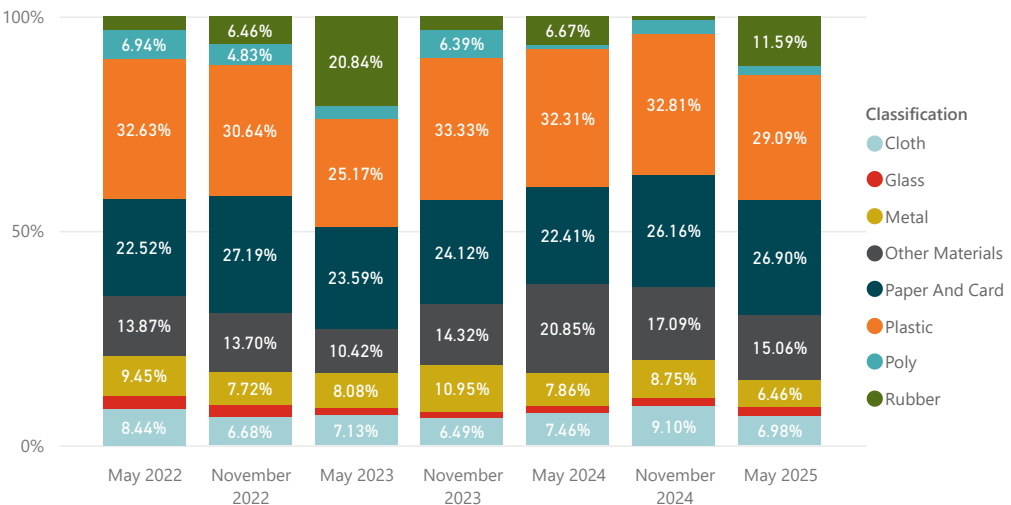
- Whilst the AusLM litter survey method is still in the early stages of adoption, we would anticipate some variances between periods driven by learning and bedding in of the guidelines and methodology. Seasonal variation, such as the unseasonably late commencement of winter rains in 2024 may also have impacted the scale and placement of litter and may explain the particularly low litter level recorded in the May 24 count. Whilst it is considered premature to attribute or predict any consistency of falling litter numbers or volumes, initial trends between periods have been summarised below.
- Graphs provided on the following pages highlight the proportionate trends in source material of litter items over all AUSLM surveys in Perth. The raw and proportionate trends of fragments, cigarette butts and filters and all other items is also demonstrated. As highlighted in the **Total Litter Items by Period** graph, when comparing the period data for the seven surveys completed to date, there is a notable reduction in total items counted (-6,386 between May 22 and May 25). Of this reduction, 57% is attributable to a drop in **Fragments** (-1,864) and **Cigarette Butt and filters** (-1,783). Whilst all other items have shown a reduction of 2,739, the small but very prevalent items of **Fragments** and **Cigarette butts and filters** account for the largest portion of the reduced count. While the reduced total litter items by count is closely linked to **Fragments** and **Cigarette butts and filters**, variances in total litter volume between periods is a result of varying levels of items with a high calculated volume, such as **Tyres, Paper and Card food packaging**, and **Construction materials**.
- **Litter Count by Source Material** highlights that despite some slight movements in the intervening periods, the proportion of **Plastic** litter items had shown a reduction of 3.82% between May 22 and May 25, reducing from 60.49% of items counted in 2022, to 56.67% in May 25. **Paper and card** appears to be tracking upwards, increasing from 14.50% of items counted in May 22, to 20.71% in May 25.

2.0 Overall Litter Data

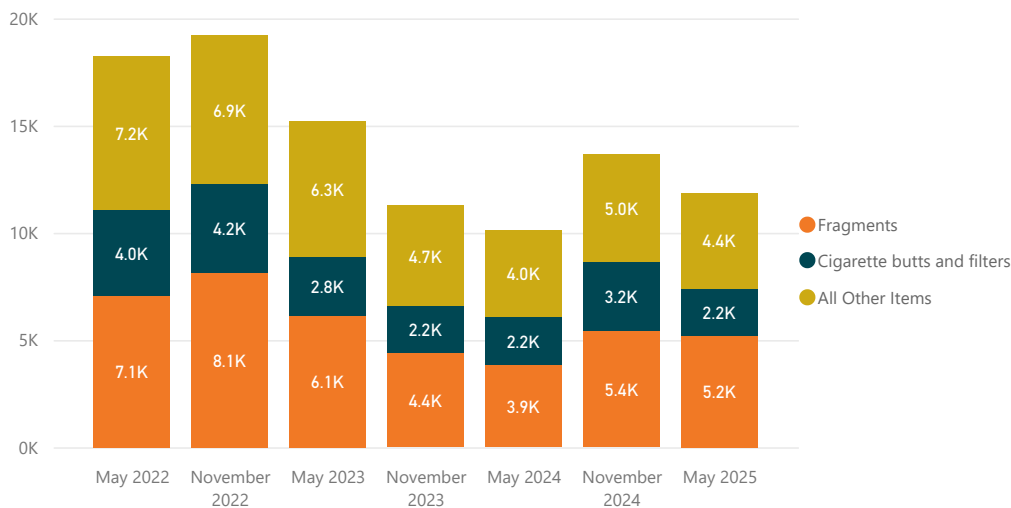
Litter Count by Source Material (%)



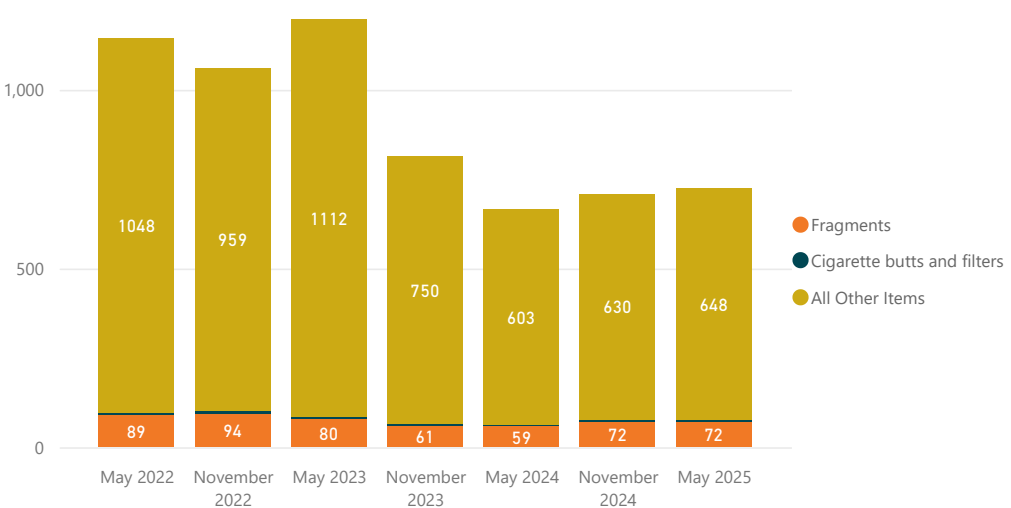
Litter Volume by Source Material (%)



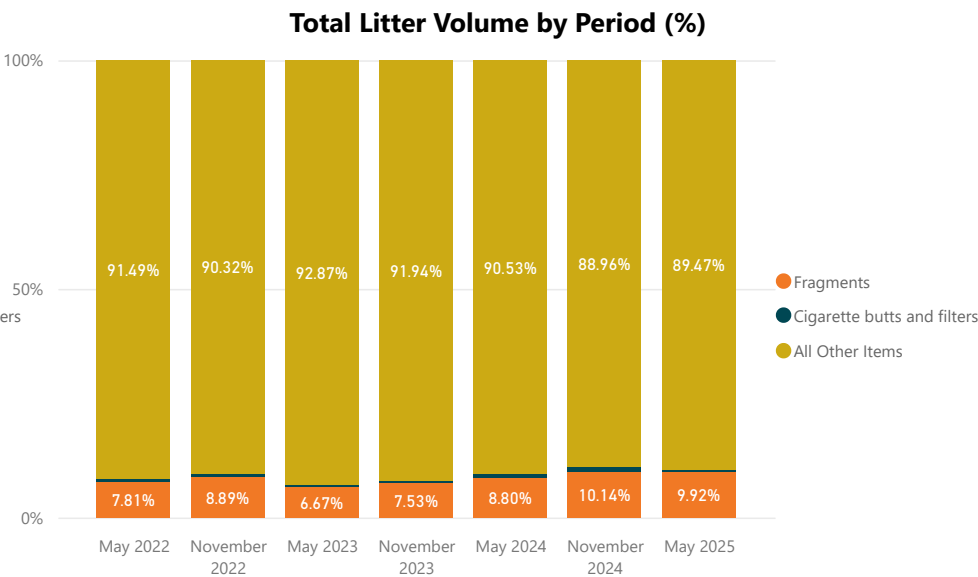
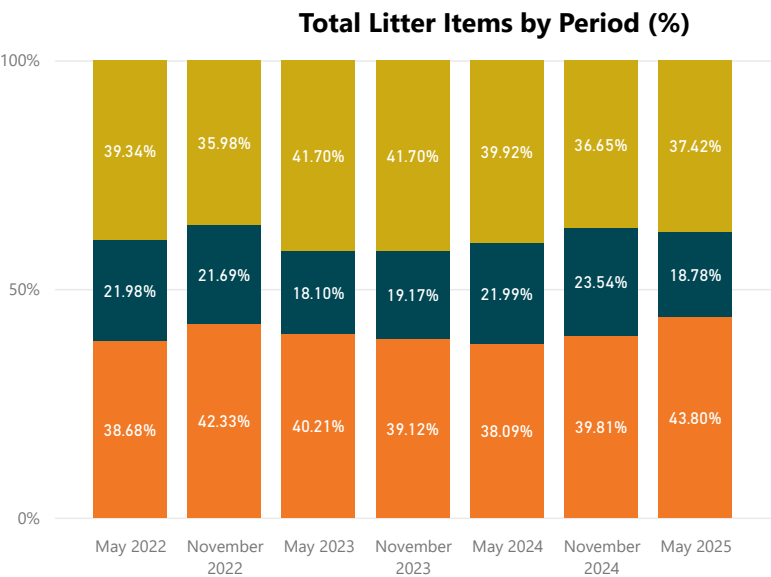
Total Litter Items by Period



Total Litter Volume by Period



2.0 Overall Litter Data



3.0 Litter Data by Site Type

The AusLM Field Guide defines litter counts at six distinct site types along with exclusion criteria that can render a site “failed” (refer Appendix 1). Sites that were noted as failed were counted and included, however the reason for failure will be reviewed and may result in alternate sites being selected in future litter audits.

The largest area surveyed was Residential sites, with an average of 35,000 square meters covered in the 2024/25 surveys. Residential sites consist of variable widths, defined as road’s edge to property boundary, meaning transect widths of up to 11m were surveyed, with an average width of 5.9m. Beach sites were the smallest area surveyed, with an average of 5,700 square meters covered in the 2024/25 surveys. This lower area is in part due to three local government areas not having a suitable beach site to audit. In addition, whilst beach sites are defined to include a width of 6m, the length of some beach transects was at times quite short, with the average beach transect length totalling 28.35m.

The varying square metres surveyed across the different site types is adjusted for in the normalised (/1,000m²) figures referenced throughout this report. Further analysis of the differences between the raw and normalised figures is provided in the **Normalised Litter Data by Site Type** section.

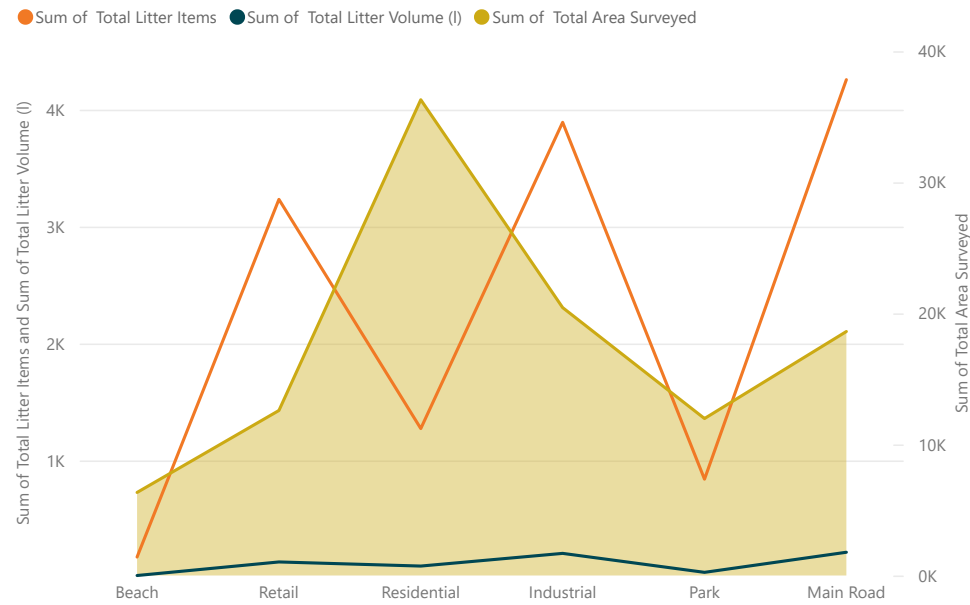
Litter Data by Site Type - November 24					
Site Type	Total Area Surveyed	Total Litter Items	Litter Items /1000m ²	Total Litter Volume (l)	Litter Volume /1000m ²
Beach	6,336.60	174	27.46	16.08	2.54
Retail	12,590.38	3,233	256.78	132.09	10.49
Residential	36,299.06	1,273	35.07	96.92	2.67
Industrial	20,440.00	3,892	190.41	205.41	10.05
Park	11,976.30	840	70.14	43.15	3.60
Main Road	18,616.50	4,257	228.67	215.06	11.55
Total	106,258.84	13,669	128.64	708.71	6.67

3.0 Litter Data by Site Type

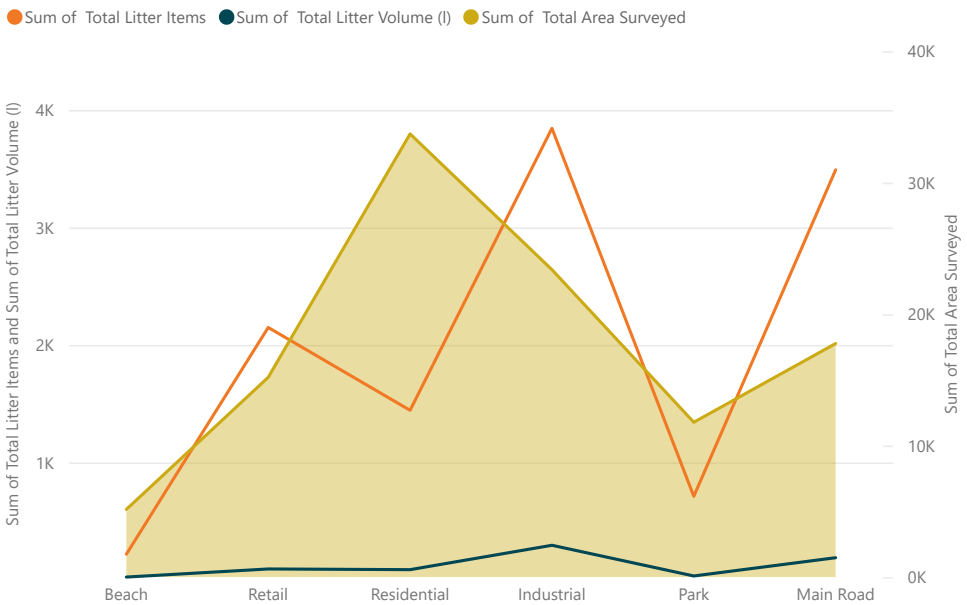
Litter Data by Site Type - May 25					
Site Type	Total Area Surveyed	Total Litter Items	Litter Items /1000m2	Total Litter Volume (l)	Litter Volume /1000m2
Beach	5,145.90	219	42.56	24.68	4.80
Retail	15,193.88	2,149	141.44	93.65	6.16
Residential	33,711.00	1,444	42.83	87.67	2.60
Industrial	23,385.00	3,844	164.38	295.25	12.63
Park	11,775.60	712	60.46	33.91	2.88
Main Road	17,767.50	3,491	196.48	189.35	10.66
Total	106,978.88	11,859	110.85	724.51	6.77

The below **Area Surveyed to Litter Items and Volume** graphs highlights the difference in total square metres surveyed, between the six site types. It confirms the need to also consider the normalised figures; as can be seen the higher square metres covered does not always correlate with higher litter count/volume.

Area Surveyed to Litter Items and Volume - November 24

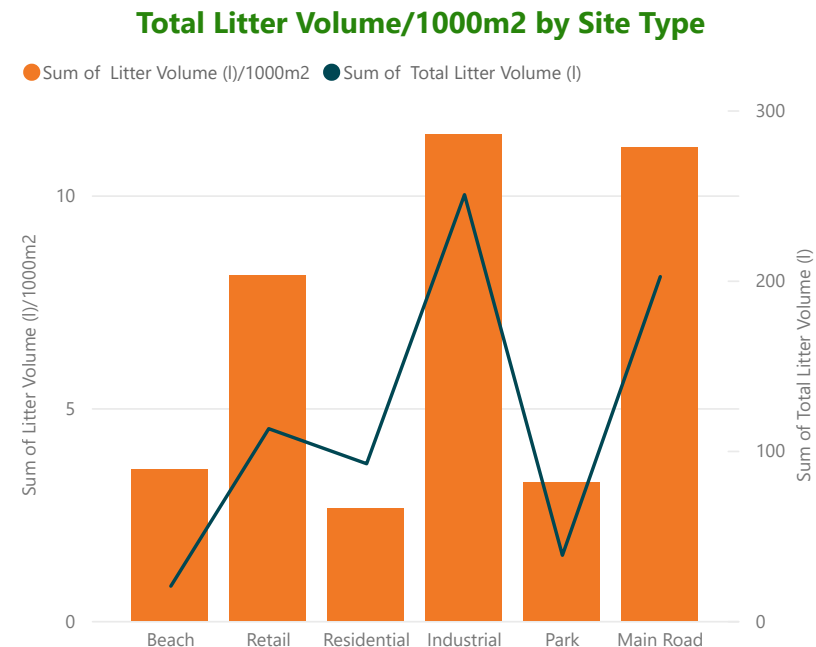
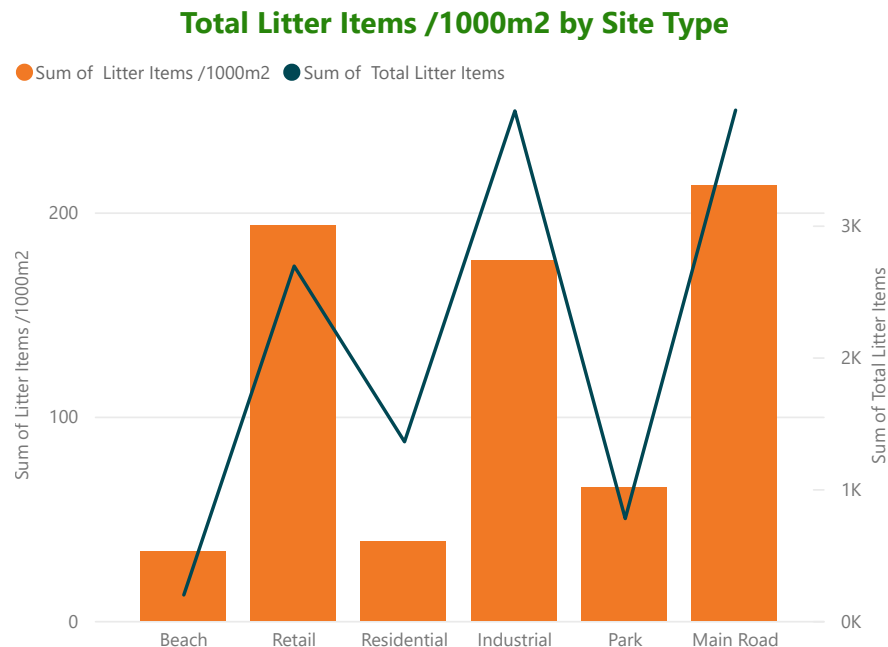


Area Surveyed to Litter Items and Volume - May 25



3.0 Litter Data by Site Type

Normalised Litter Data by Site Type

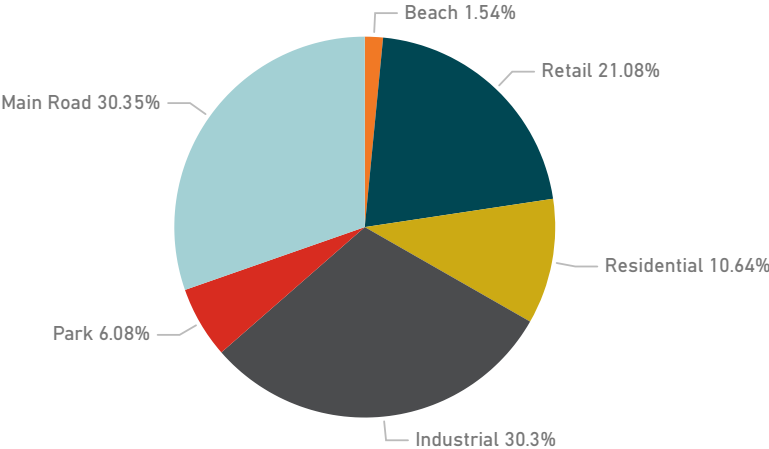


Raw litter information (# of items and calculated volume) has been normalised, to adapt to the fluctuating absolute square meters surveyed across each site type, and to allow more exact examinations of litter density. Normalising the findings included increasing the complete litter items and volume over a standard 1,000 square metre area, to eliminate the effect of the differing square meters surveyed by site type. The formulas to normalise the data are provided in *Section 1.0 Project Summary*.

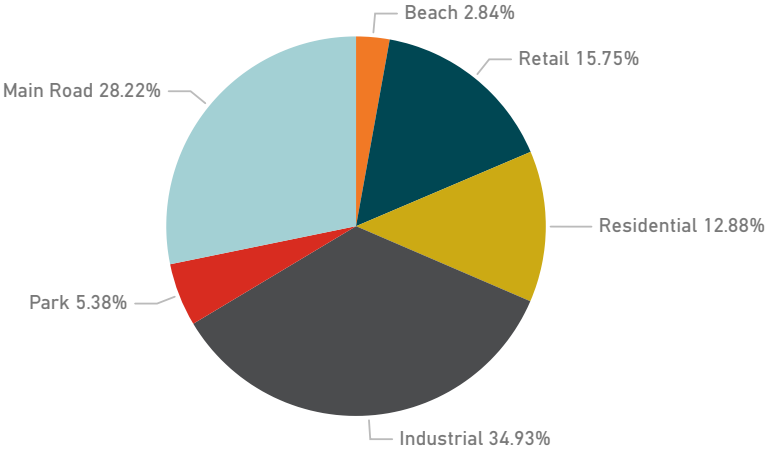
While the normalised figures for 2024/25 are fairly aligned with the raw numbers – there are some interesting differentials. Industrial comes in a close second by count, on a raw basis, just six items short of **Main Roads**. However, once the figures are normalised, **Industrial** falls to third place, highlighting that some of the elevated count figure for this site type can be attributed to the high area covered (over 21,000 sqm in 2024/25). In **Retail** sites a discrepancy is noted the other way, with the raw litter items line below the normalised figures; this is a product of the lower square metres surveyed and indicates the litter density is elevated at this site type.

3.0 Litter Data by Site Type

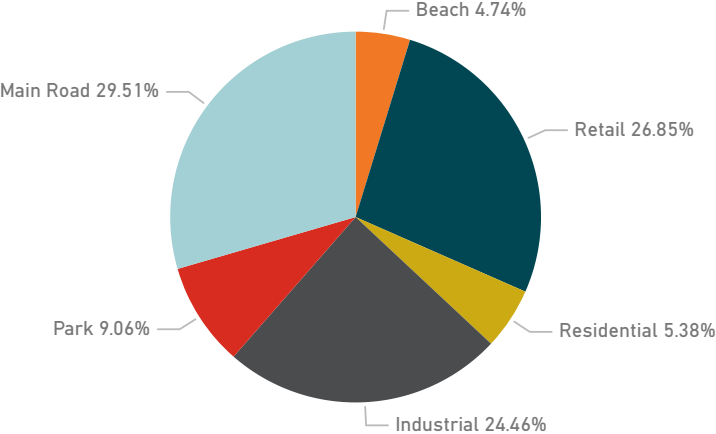
Raw Litter Items by Site Type



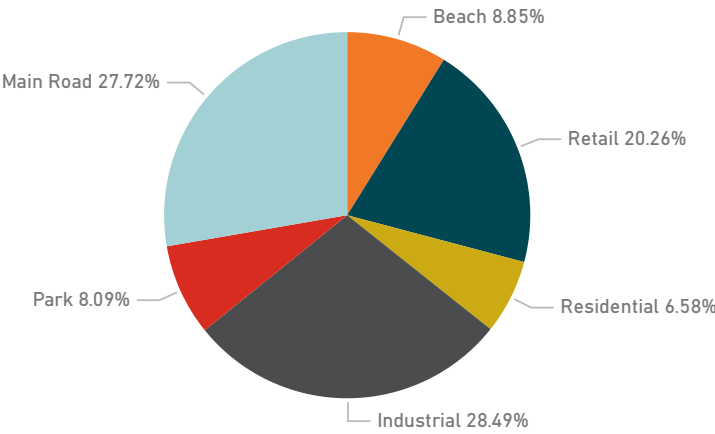
Raw Litter Volume by Site Type



Normalised Litter Items by Site Type



Normalised Litter Volume by Site Type



3.0 Litter Data by Site Type

Site Type Summary – Beach

SITE SNAPSHOT		
	November 24	May 25
Total Number of Items - (#)	174	219
Total Volume of Items- (l)	16.08	24.68
Items /1000m2	27.46	42.56
Volume (l)/1000m2	2.54	4.80
Highest Site Litter Count - Number (#)	59	58
Highest Site Litter Count - Volume (l)	6.69	6.49
Lowest Site Litter Count - Number (#)	1	10
Lowest Site Litter Count - Volume (l)	0.02	0.29
	Raw	Normalised
Site type count as a % of total items	1.54%	4.74%
Site type volume as a % of total volume	2.84%	8.85%
Top 3 Items by Count (#) – November 24		
Hard plastic fragment - small		28
Rope/String		15
Cigarette butts and filters		13
Top 3 Items by Volume (l) – November 24		
Rope/String		3.00
Clothing		2.00
Takeaway food container		1.50

Common Site Features/Observations

General waste bins were frequently observed at Beach sites, although not often inside the transects themselves (i.e. they were usually observed on grassed, leisure zones adjoining to the shoreline, or at beach site car parks).

It was noted on several occasions that the litter counted at beach sites had a tendency to accumulate at the dune end of the transect, or in corners of engineered structures. It follows that the impact of wind was noted as a factor at a number of beach sites, highlighting litter is unlikely to stay in situ for an extended period and will more likely be blown to a hard boundary. Evidence of cleaning (raking or litter collection) was noted on four occasions; interestingly “cleaned” sites remained among the higher littered beach sites in the applicable period.

Top 3 Items by Count (#) – May 25	
Food/confect. Wrappers	33
Cigarette butts and filters	30
Hard plastic fragment - small	18
Top 3 Items by Volume (l) – May 25	
Clothing	10.00
Rope/string	3.40
Food/confect. Wrappers	1.65

3.0 Litter Data by Site Type

Site Type Summary – Retail

SITE SNAPSHOT		
	November 24	May 25
Total Number of Items - (#)	3,233	2,149
Total Volume of Items- (l)	132.09	93.65
Items /1000m2	256.78	141.44
Volume (l)/1000m2	10.49	6.16
Highest Site Litter Count - Number (#)	695	362
Highest Site Litter Count - Volume (l)	39.08	21.93
Lowest Site Litter Count - Number (#)	38	80
Lowest Site Litter Count - Volume (l)	0.89	2.67
	Raw	Normalised
Site type count as a % of total items	21.08%	26.85%
Site type volume as a % of total volume	15.75%	20.26%
Top 3 Items by Count (#) - November 24		
Cigarette butts and filters	1,695	
Paper tissues/napkin	161	
Food/confect. Wrappers	125	
Top 3 Items by Volume (l) - November 24		
Paper/card food packaging	20.50	
Paper tissues/napkin	8.05	
Packages & boxes	7.50	

Common Site Features/Observations

On an annual, normalised basis, Retail sites account for the second highest litter by count, indicating litter density at these sites is significant. In both survey periods, this is driven by a high level of Cigarette butts and filters, accounting for 49.16% of total litter items at this site type.

Rubbish bins were commonly noted, recorded at over 50% of the Retail transects surveyed in the year. Evidence of cleaning was observed on two occasions, indicating that the quantity of items littered at these site types may be higher still, if it wasn't for this mitigating action.

Hard boundaries/edges were noted as a litter trap in a number of instances, with these areas attracting high accumulations of mixed litter.

Top 3 Items by Count (#) - May 25	
Cigarette butts and filters	951
Food/confect. Wrappers	127
Paper and Card fragment - small	125
Top 3 Items by Volume (l) - May 25	
Paper/card food packaging	13.50
Construction Materials	7.20
Food/confect. Wrappers	6.35

3.0 Litter Data by Site Type

Site Type Summary – Residential

SITE SNAPSHOT		
	November 24	May 25
Total Number of Items - (#)	1,273	1,444
Total Volume of Items- (l)	96.92	87.67
Items /1000m2	35.07	42.83
Volume (l)/1000m2	2.67	2.60
Highest Site Litter Count - Number (#)	313	402
Highest Site Litter Count - Volume (l)	30.55	19.16
Lowest Site Litter Count - Number (#)	20	37
Lowest Site Litter Count - Volume (l)	0.99	2.01
	Raw	Normalised
Site type count as a % of total items	10.64%	5.38%
Site type volume as a % of total volume	12.88%	6.58%
Top 3 Items by Count (#) – November 24		
Cigarette butts and filters	118	
Paper and Card fragment - small	116	
Food/confect. Wrappers	90	
Top 3 Items by Volume (l) – November 24		
Construction materials	13.32	
Clothing	5.00	
Non-Food package	4.50	

Common Site Features/Observations

Residential sites accounted for the largest area surveyed. However, the total item count did not directly reflect this, with Residential sites showing the fourth highest litter count on a raw basis, behind Main Roads, Industrial and Retail. Once the figures are normalised to account for the varying square metres surveyed, Residential drops into 5th place, confirming the low litter density at this site type.

A number of active instances of construction were noted as impacting Residential transects, resulting in the applicable area being excluded from the survey.

The litter levels graph at the end of this Section demonstrates that litter at individual Residential sites is generally within a very low range, with just a couple of locations with higher counts, as outliers.

Top 3 Items by Count (#) – May 25	
Hard plastic fragment - small	237
Cigarette butts and filters	125
Food/confect. Wrappers	95
Top 3 Items by Volume (l) – May 25	
Construction materials	6.12
Paper/card food packaging	6.00
Junk mail / free circulars	5.50

3.0 Litter Data by Site Type

Site Type Summary – Industrial

SITE SNAPSHOT		
	November 24	May 25
Total Number of Items - (#)	3,892	3,844
Total Volume of Items- (l)	205.41	295.25
Items /1000m2	190.41	164.38
Volume (l)/1000m2	10.05	12.63
Highest Site Litter Count - Number (#)	990	1,303
Highest Site Litter Count - Volume (l)	47.72	81.72
Lowest Site Litter Count - Number (#)	199	65
Lowest Site Litter Count - Volume (l)	6.94	4.82
	Raw	Normalised
Site type count as a % of total items	30.30%	24.46%
Site type volume as a % of total volume	34.93%	28.49%
Top 3 Items by Count (#) – November 24		
Cigarette butts and filters	657	
Hard plastic fragment - small	467	
Soft plastic fragment - small	275	
Top 3 Items by Volume (l) – November 24		
Paper/card food packaging	17.00	
Clothing	14.00	
Construction materials	8.64	

Common Site Features/Observations

On an annual basis, Industrial sites came in with the second highest litter, marginally behind Main Roads. By Volume, Industrial recorded the highest litter level, linked to prevalence of high volume items at this site type such as tyres and construction materials.

Litter bins were only recorded at one of ten Industrial sites.

Frequent use of Industrial verge areas for parking vehicles was another trend regularly noted, which was identified as a likely contributing factor to the litter observed at these sites.

Top 3 Items by Count (#) – May 25	
Cigarette butts and filters	355
Hard plastic fragment - small	306
Glass fragment - small	266
Top 3 Items by Volume (l) – May 25	
Tyres	60.00
Construction materials	29.16
Paper/card food packaging	19.50

3.0 Litter Data by Site Type

Site Type Summary –Park

SITE SNAPSHOT		
	November 24	May 25
Total Number of Items - (#)	840	712
Total Volume of Items- (l)	43.15	33.91
Items /1000m2	70.14	60.46
Volume (l)/1000m2	3.60	2.88
Highest Site Litter Count - Number (#)	267	218
Highest Site Litter Count - Volume (l)	8.51	7.61
Lowest Site Litter Count - Number (#)	23	20
Lowest Site Litter Count - Volume (l)	0.43	0.83
	Raw	Normalised
Site type count as a % of total items	6.08%	9.06%
Site type volume as a % of total volume	5.38%	8.09%
Top 3 Items by Count (#) – November 24		
Cigarette butts and filters	182	
Soft plastic fragment – small	107	
Food/confect. Wrappers	75	
Top 3 Items by Volume (l) – November 24		
Paper/card food packaging	4.50	
Other cloth item	4.40	
Clothing	4.00	

Common Site Features/Observations

Overall, on a raw basis Parks contained the second lowest litter levels in both survey periods. This has been a consistent position, since these AusLM surveys commenced in May 2022.

Litter bins were observed at all of the ten park sites surveyed and two were also noted as having comingled recycling bins.

There was one particular park site with elevated litter in both periods, accounting for over 30% of the site types litter count, in November 24 and May 25. In both instances, surveyors noted recent mowing activity had occurred at the location, and in the May survey, there was also a kerbside bin collection occurring which may have been a contributing factor.

Top 3 Items by Count (#) - May 25	
Cigarette butts and filters	113
Soft plastic fragment - small	82
Paper and Card fragment - small	81
Top 3 Items by Volume (l) - May 25	
Clothing	4.00
Food/confect. Wrappers	3.50
Paper/card food packaging	3.00

3.0 Litter Data by Site Type

Site Type Summary – Main Road

SITE SNAPSHOT		
	November 24	May 25
Total Number of Items - (#)	4,257	3,491
Total Volume of Items- (l)	215.06	189.35
Items /1000m2	228.67	196.48
Volume (l)/1000m2	11.55	10.66
Highest Site Litter Count - Number (#)	780	667
Highest Site Litter Count - Volume (l)	54.10	53.44
Lowest Site Litter Count - Number (#)	46	61
Lowest Site Litter Count - Volume (l)	3.55	4.93
	Raw	Normalised
Site type count as a % of total items	30.35%	29.51%
Site type volume as a % of total volume	28.22%	27.72%
Top 3 Items by Count (#) – November 24		
Paper and Card fragment - small	666	
Cigarette butts and filters	552	
Hard plastic fragment - small	506	
Top 3 Items by Volume (l) – November 24		
Paper/card food packaging	22.50	
Construction materials	20.16	
Food/confect. Wrappers	12.20	

Common Site Features/Observations

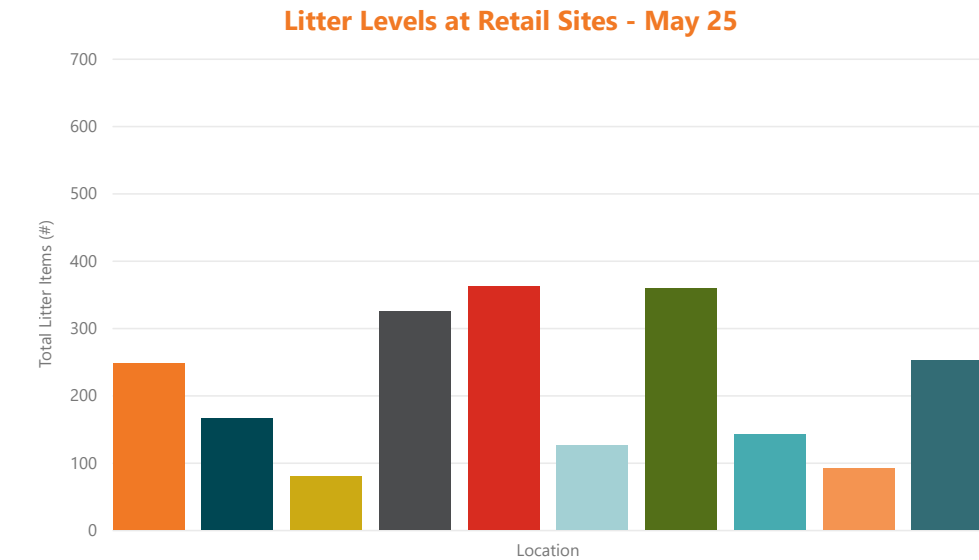
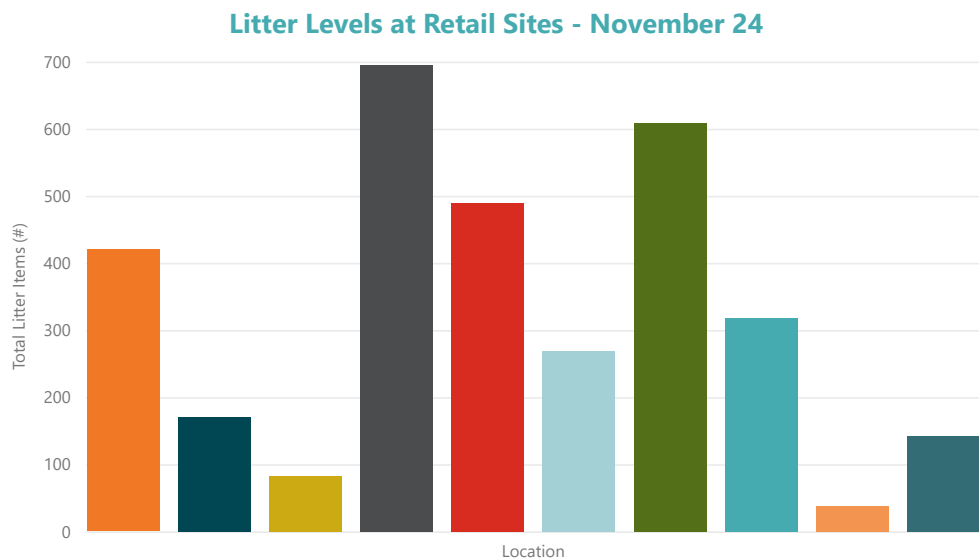
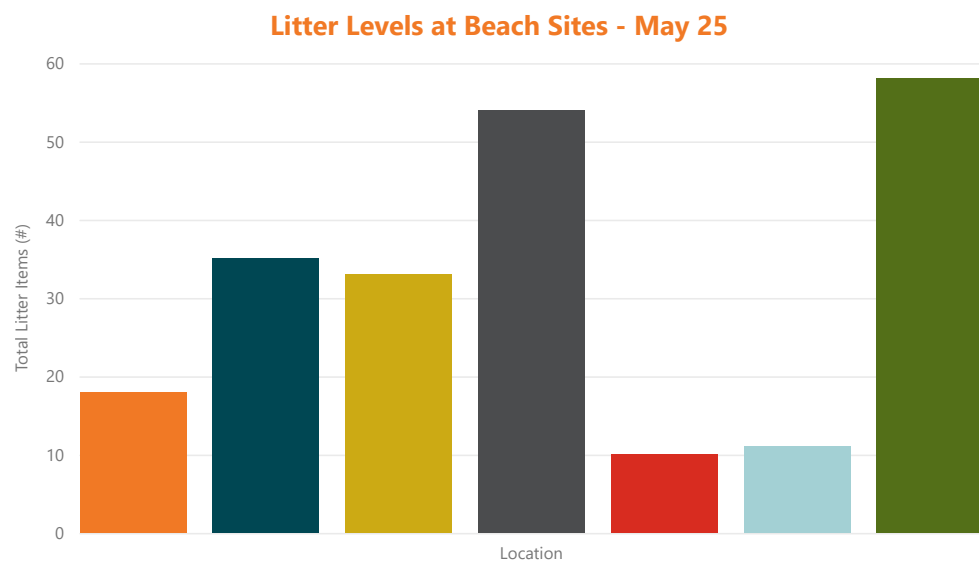
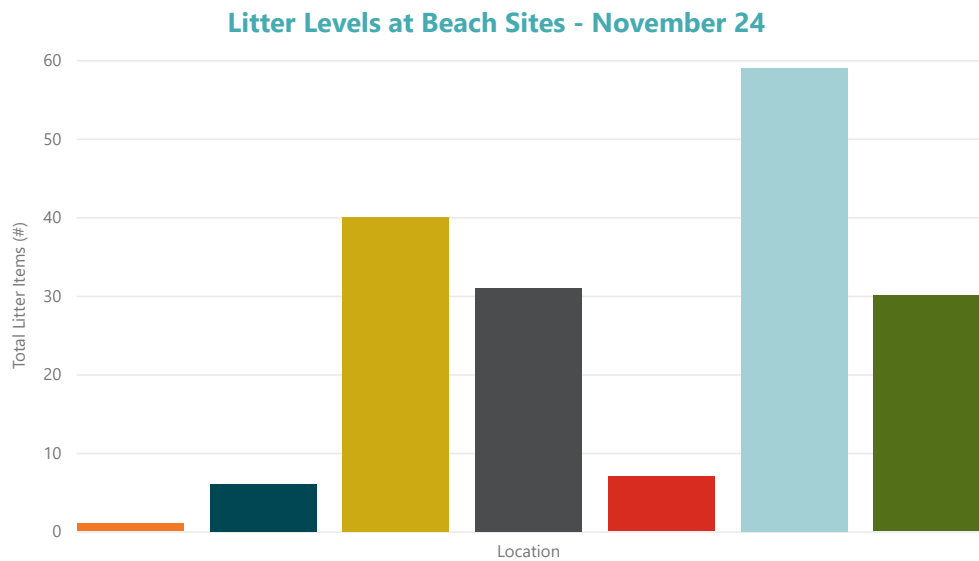
Consistent with the previous two years, Main Roads contained the highest litter levels (by raw count and volume) in the November survey, and the second highest in May. On an annual basis in 2024/25, Main Roads came in top place by count and second place by volume.

In both periods, fragments made up two of the three most commonly counted items at this site type, a likely product of verge/median strip mowing. Grass length was consistently recorded as short, and one instance of recent mowing was recorded.

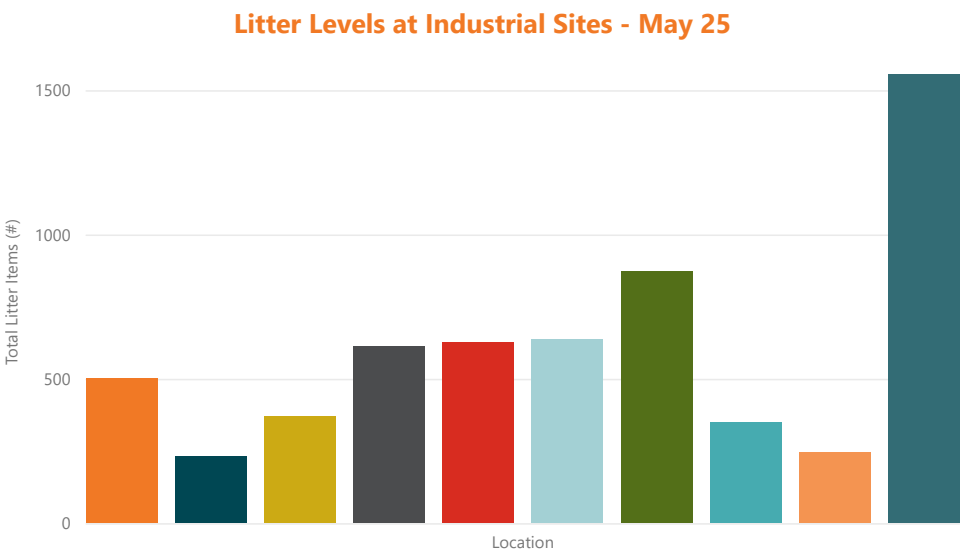
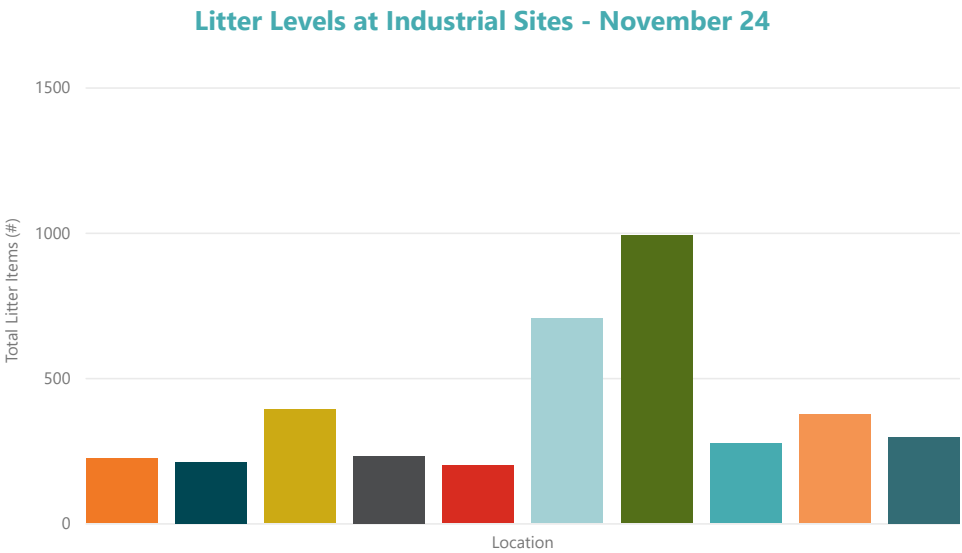
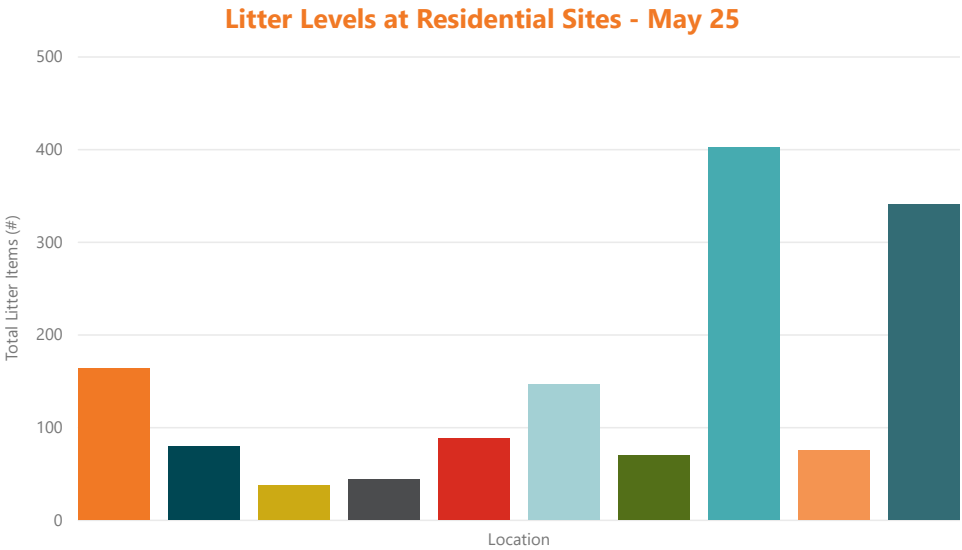
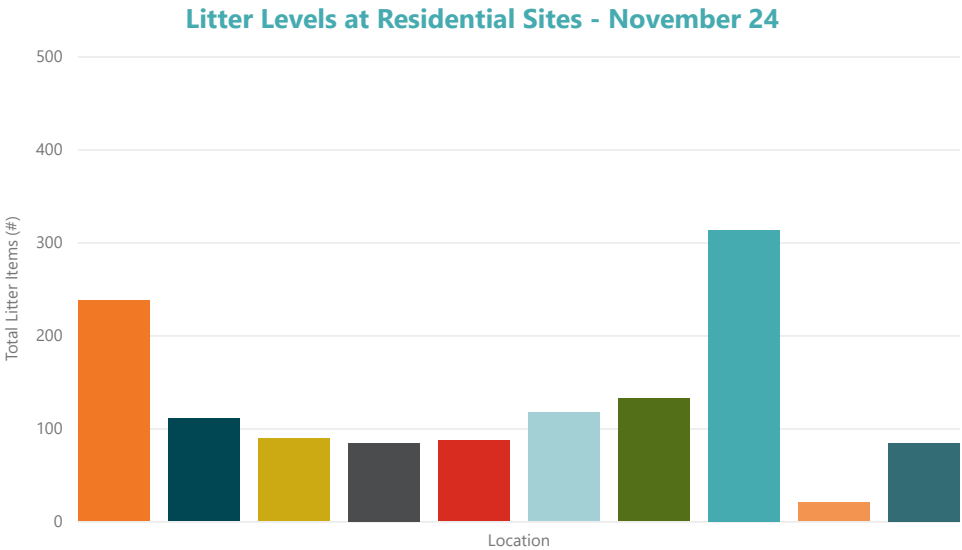
Litter bins were observed at three of ten Main Road sites.

Top 3 Items by Count (#) - May 25	
Cigarette butts and filters	653
Hard plastic fragment - small	391
Paper and Card fragment - small	339
Top 3 Items by Volume (l) - May 25	
Tyres	20.00
Construction materials	16.92
Paper/card food packaging	15.00

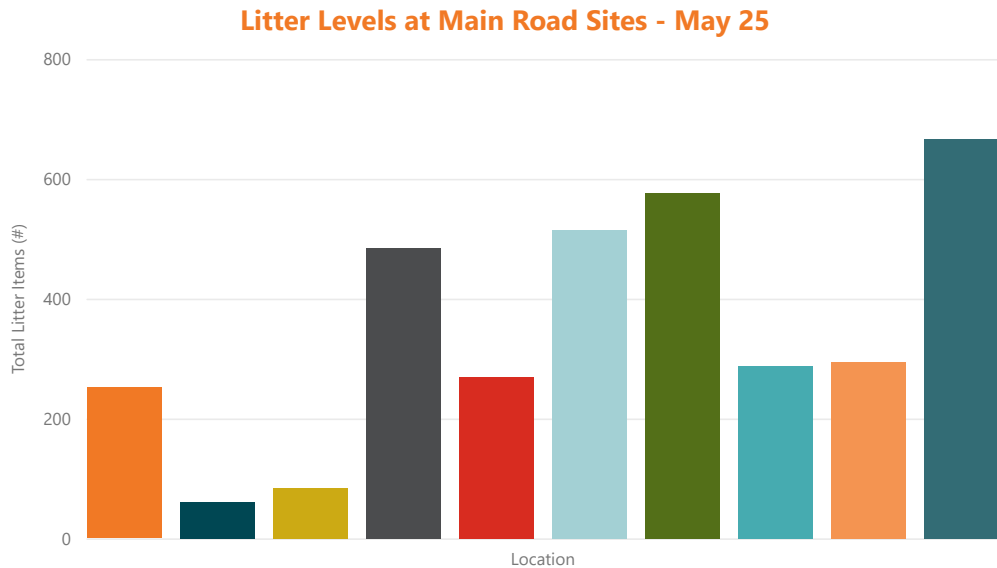
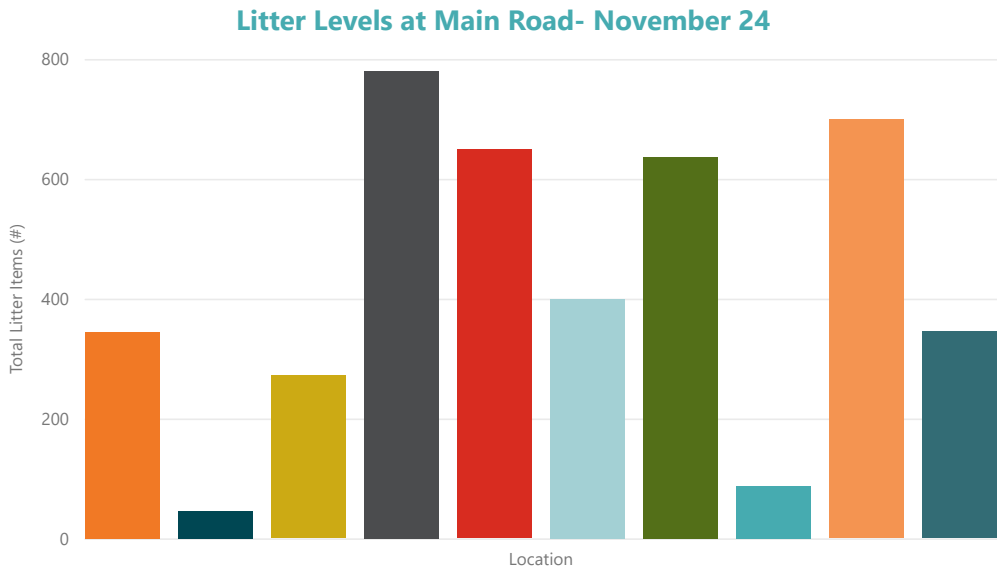
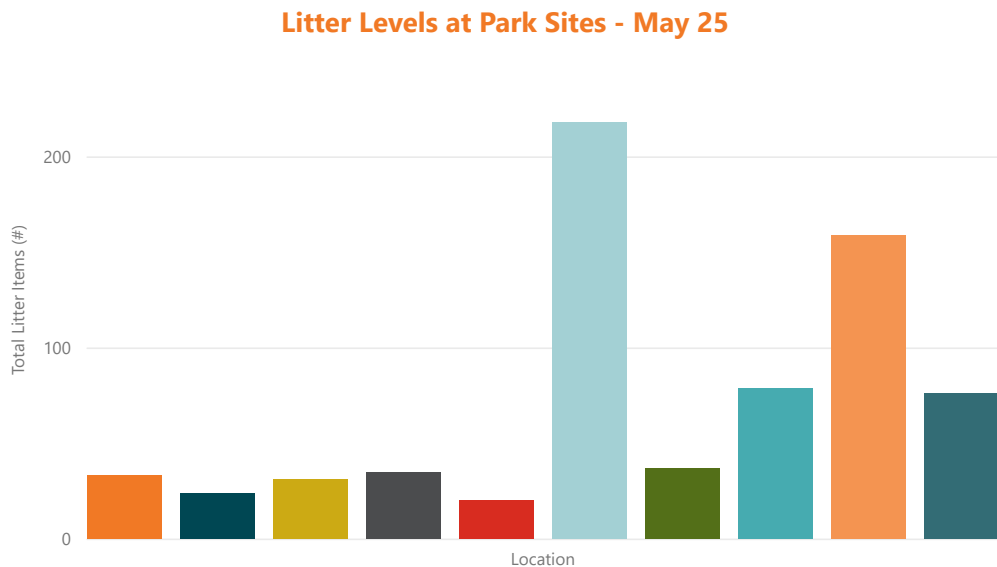
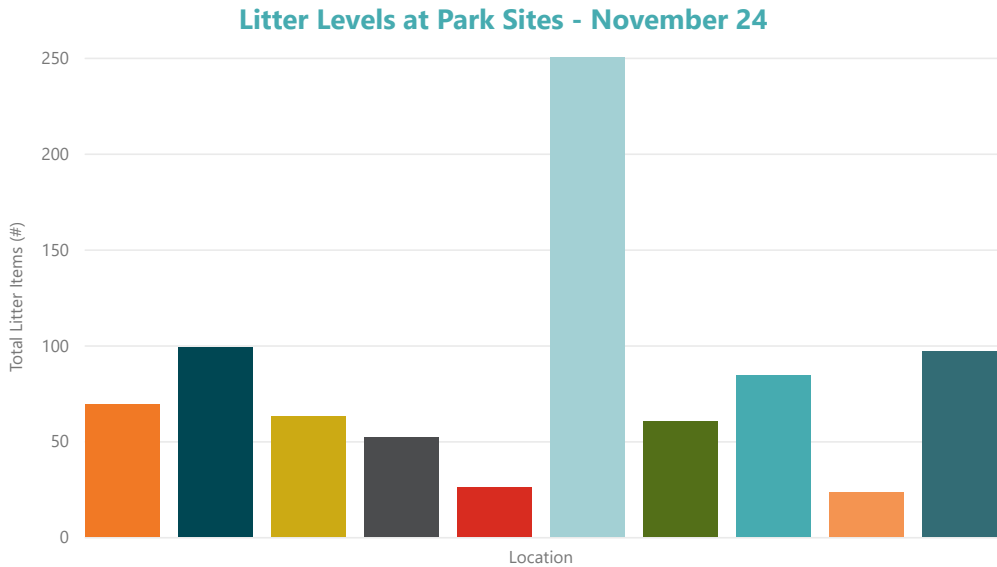
3.0 Litter Data by Site Type



3.0 Litter Data by Site Type



3.0 Litter Data by Site Type



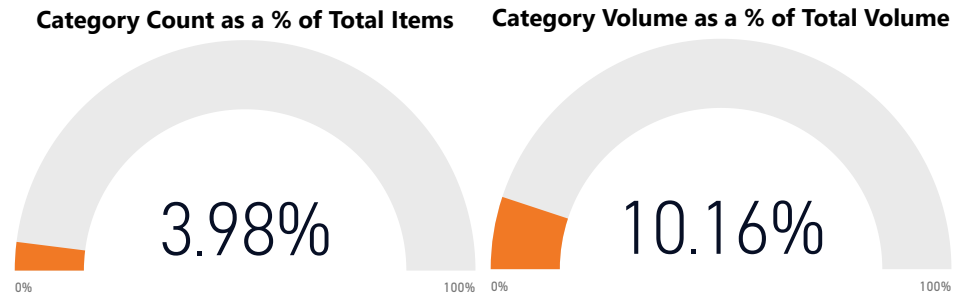
4.0 Key Categories and Items

Single Use Plastic and Single Use Plastic Replacements

KEY ITEM SNAPSHOT		
	November 24	May 25
Total Number of Items - (#)	552	463
Total Volume of Items- (l)	76.32	69.32
Highest Site Litter Count - Number (#)	42	60
Highest Site Litter Count - Volume (l)	9.29	16.09
Lowest Site Litter Count - Number (#)	0	0
Lowest Site Litter Count - Volume (l)	0	0

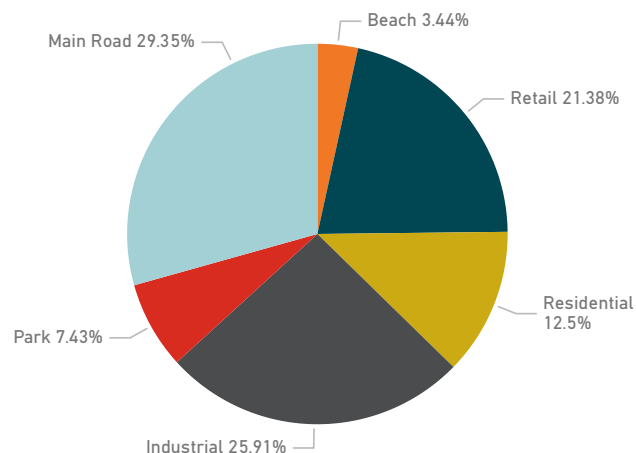
On the 1st of January 2022, the phased Single Used Plastic (“SUP”) ban by the WA Government came into effect. This ‘Plan for Plastic’ includes a ban on items such as single use plastic cutlery, straws, plastic shopping bags, plastic cups and lids and polystyrene food containers. In order to provide some insight into the transitional impact of the ban, items captured in this category include likely (non-plastic) replacements for the banned items, identified as (SUP – R). Appendix 4 is a count sheet that outlines all items captured in this category.

Out of 57 sites surveyed each period, there were just two in November 24 and eight in May 25 where no Single use plastic items were observed, indicating items in this category are a consistent issue across the majority of site types and locations.

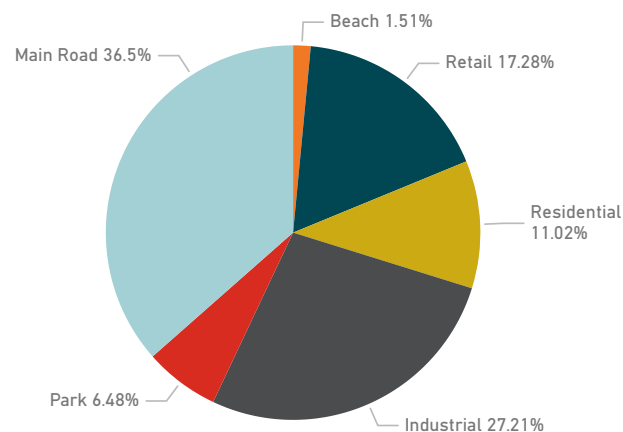


4.0 Key Categories and Items

Concentration of SUP + SUP-R - November 24



Concentration of SUP + SUP-R - May 25



Category Detail SUP - November 24

Item	Sum of Count	Sum of Total Volume (l)
Cup - Coffee cup	77	15.40
Lollipop Sticks	65	0.07
Bag - Other	58	11.60
Other Food Package	51	25.50
Lids - Other	43	0.86
Lids -Coffee cup lid	30	0.60
Straws	28	0.14
Takeaway food container	18	9.00
Lids - Plastic cup lid	16	0.32
Cotton buds/tips	11	0.01
Bag -Lightweight shop	10	2.00
Plate/bowl - single use	9	1.80
Cup - Single use	7	1.40
Bag - Mesh Bags	4	0.40
Bag - Heavy Supermrkt	3	3.00
Cutlery/chopsticks	3	0.03
Bag - Heavy Boutique	2	2.00
Stirrers	1	0.00
Food pack/clam shells	0	0.00
Total	436	74.13

Category Detail SUP-R - November 24

Item	Sum of Count	Sum of Total Volume (l)
Straw (non-plastic)	77	0.39
Cutlery (non-plastic)	19	0.19
Plate/bowl (non-plastic)	8	1.60
Cotton buds/tips (non- plastic)	6	0.01
Stirrers (non-plastic)	6	0.01
Total	116	2.19

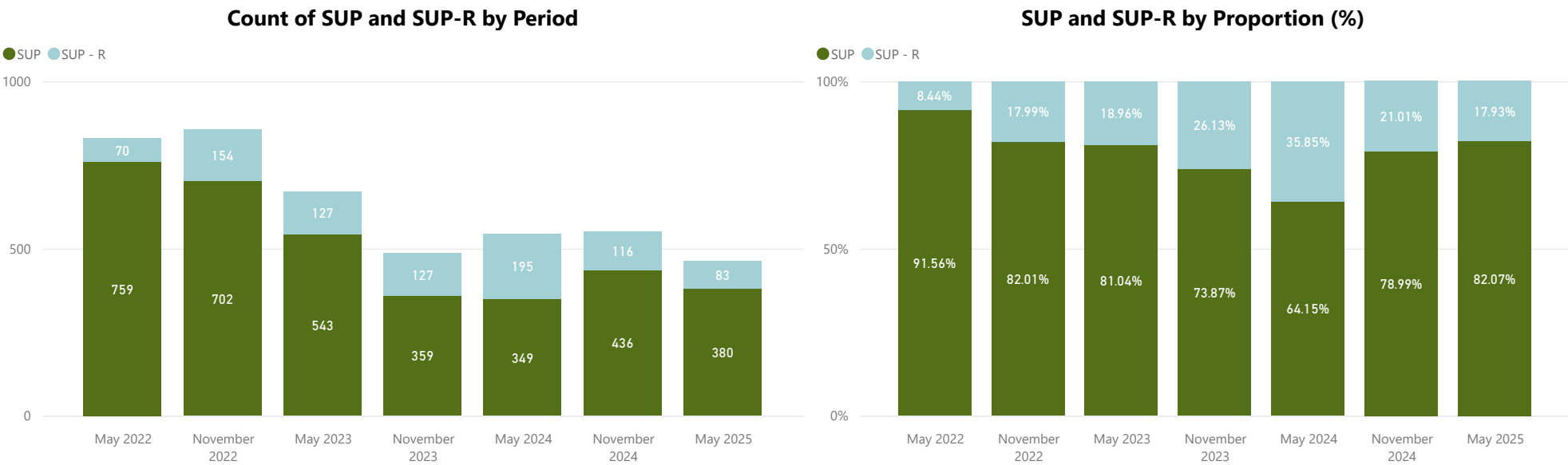
Category Detail SUP May 25

Item	Sum of Count	Sum of Total Volume (l)
Cup - Coffee cup	101	20.20
Lids -Coffee cup lid	58	1.16
Lollipop Sticks	39	0.04
Takeaway food container	39	19.50
Bag - Other	28	5.60
Cup - Single use	27	5.40
Lids - Plastic cup lid	22	0.44
Other Food Package	17	8.50
Straws	12	0.06
Lids - Other	11	0.22
Cotton buds/tips	8	0.01
Cutlery/chopsticks	7	0.07
Bag - Heavy Supermrkt	5	5.00
Bag -Lightweight shop	3	0.60
Bag - Heavy Boutique	1	1.00
Bag - Mesh Bags	1	0.10
Stirrers	1	0.00
Total	380	67.90

Category Detail SUP-R - May 25

Item	Sum of Count	Sum of Total Volume (l)
Straw (non-plastic)	72	0.36
Cutlery (non-plastic)	6	0.06
Plate/bowl (non-plastic)	5	1.00
Cotton buds/tips (non- plastic)	0	0.00
Stirrers (non-plastic)	0	0.00
Total	83	1.42

4.0 Key Categories and Items



As demonstrated in the above graphs, SUP-R has shown an increase as a % of total category, since May 22. In May 22, SUP-R totalled 70 items, and accounted for 8.44% of the total SUP category, increasing to 83 or 17.93% of the category by May 25. This trend is as expected, as the SUP ban takes full effect, but does highlight that the ban on SUP items in some cases may lead to a substitution rather than completely ceasing certain littering behaviour.

When referring to the **Count of SUP and SUP-R by Period** graph, the increase in SUP in November 24 is driven by an uplift in Coffee cups and Coffee cup lids. Plastic lined coffee cups and plastic coffee cup lids were included in the SUP Ban from March 2024². Whilst the item is still being included in the SUP category, it's anticipated that most coffee cups and coffee cup lids now being recorded would be the compostable (not plastic based) alternatives. The type of coffee cup (plastic lined or compostable) is not a level of detail currently collected in this survey methodology and is a limitation that should be noted when analysing SUP versus SUP-R figures.

²Department of Water and Environmental Regulation [stage-2-plan-for-plastics_take-away-coffee-cups.pdf](#) Retrieved 20/6/2025

4.0 Key Categories and Items

CDS Beverage Containers

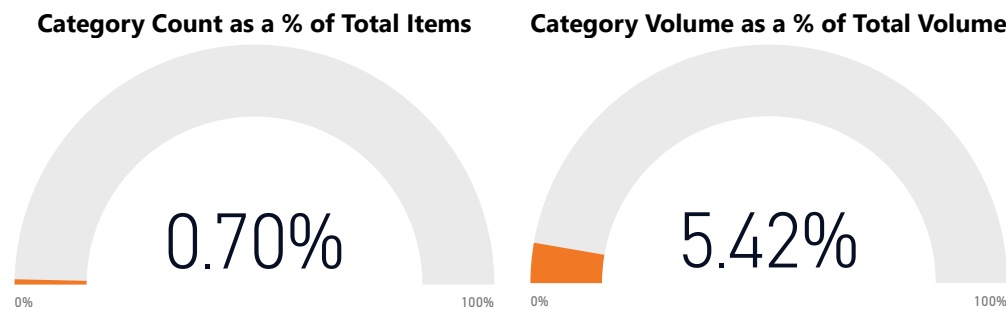
KEY ITEM SNAPSHOT		
	November 24	May 25
Total Number of Items - (#)	86	93
Total Volume of Items- (l)	36.98	40.73
Highest Site Litter Count - Number (#)	13	27
Highest Site Litter Count - Volume (l)	5.33	10.35
Lowest Site Litter Count - Number (#)	0	0
Lowest Site Litter Count - Volume (l)	0	0

The Containers for Change program is a container deposit scheme (“CDS”) that commenced in Western Australia in October 2020. It allows consumers to take eligible beverage containers to a collection point and get a refund of 10 cents per item. Eligible containers are labelled with a “10 cent refundable” sign. Data presented in the first part of this section refers to CDS eligible containers only. Detail on all beverage containers (including CDS eligible and Non-CDS) is presented at the end of this section.

CDS Containers were stable between both survey periods, with 86 and 93 containers counted in November 24 and May 25 respectively. Main Roads and Industrial sites continue to make up the largest proportion of CDS, together accounting for 76% of total CDS in November 24, and 85% in May 25. In the May 25 survey, one individual Main Road site accounted for 29% of all CDS containers counted, highlighting they aren’t a persistent issue across all locations.

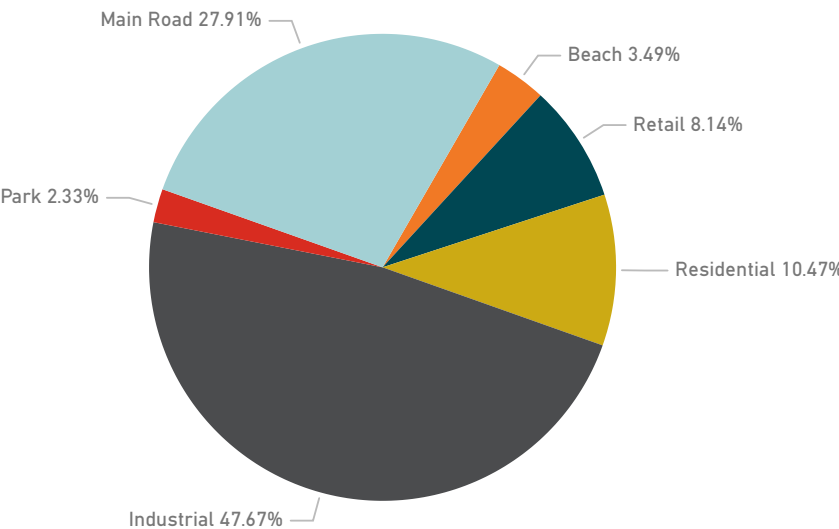
Referring to the **Category Count as a % of Total Items** in 2024/25, CDS Beverage Containers accounted for 0.70% by count, or 5.42% by volume.

Out of 57 sites surveyed each period, there were 31 in November 24, and 28 in May 25 where no CDS beverage containers were recorded.

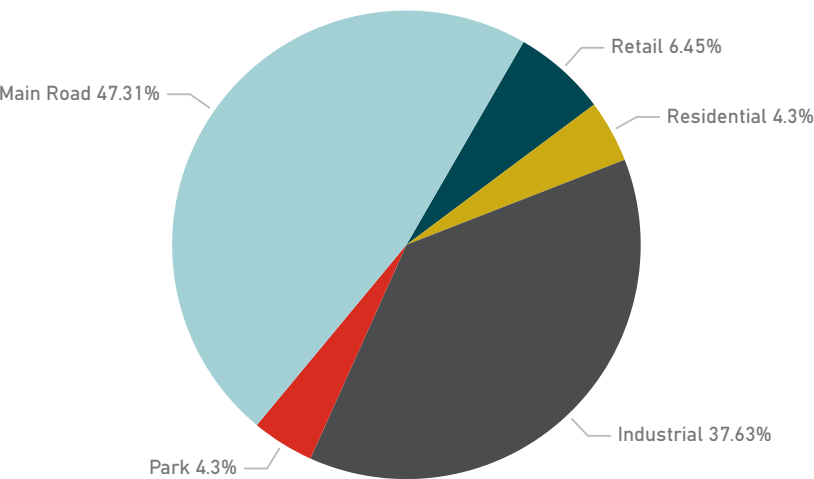


4.0 Key Categories and Items

Concentration of CDS Beverage Containers - November 24

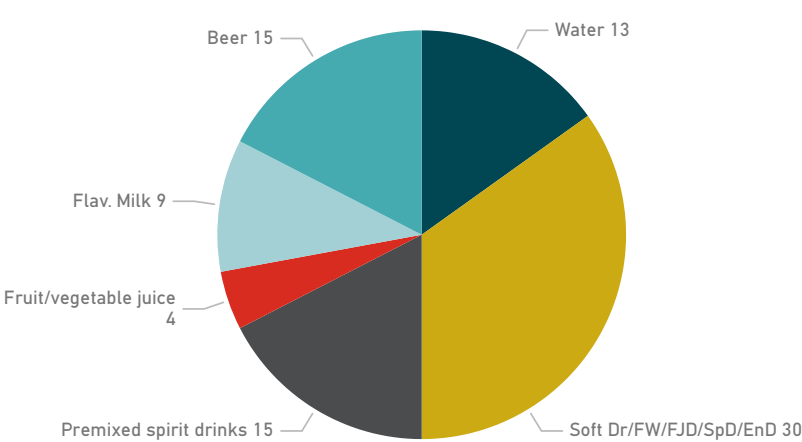


Concentration of CDS Beverage Containers - May 25

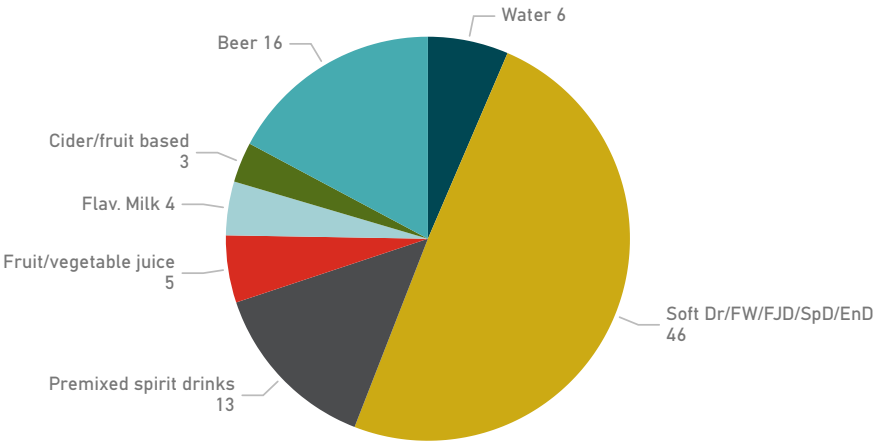


4.0 Key Categories and Items

CDS Beverage Containers by Beverage Type - November 24



CDS Beverage Containers by Beverage Type - May 25



Note: FW/FJD/SpD/EnD refers to Flavoured water, Fruit juice drink, Sports drink and Energy drink.

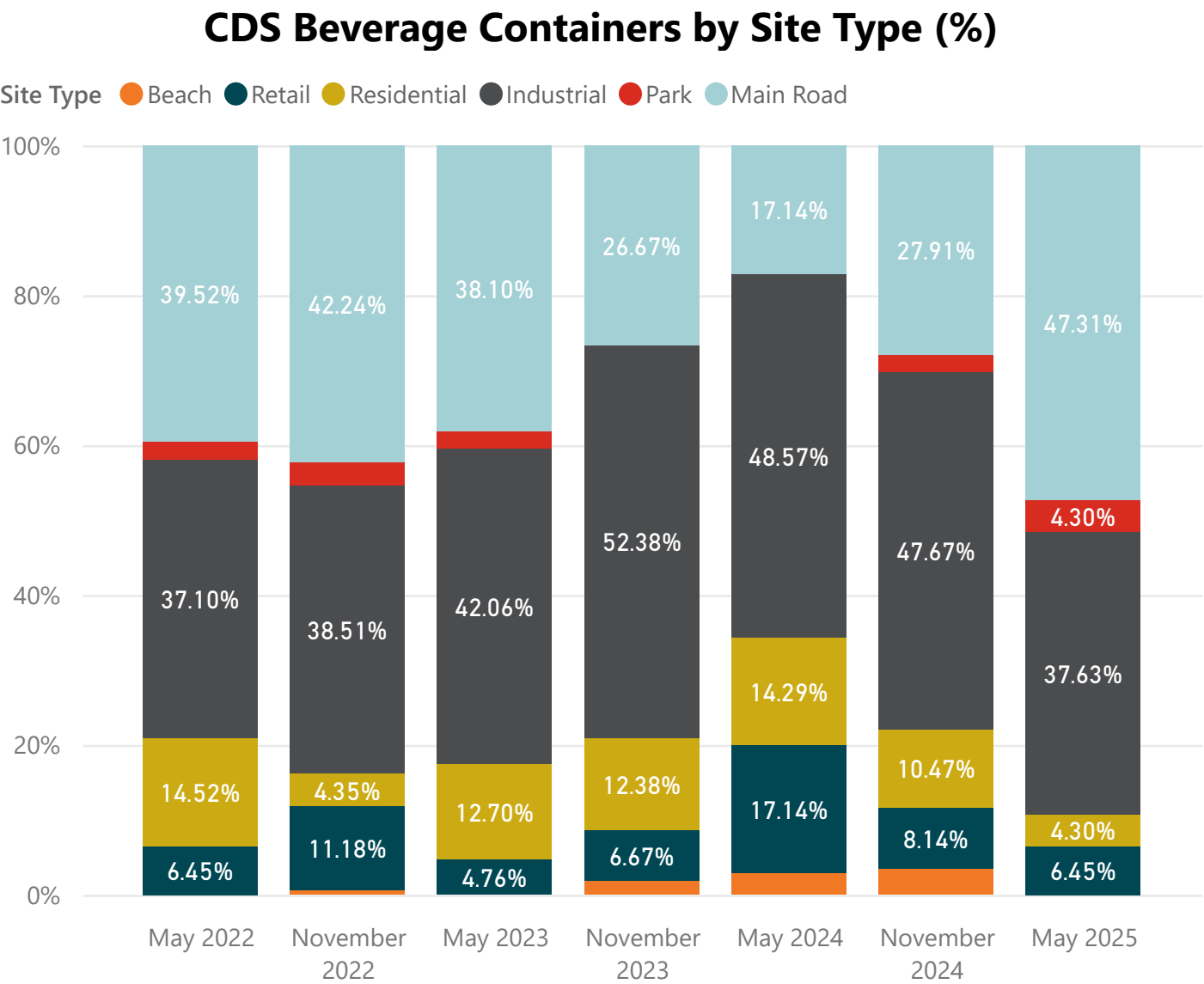
Category Detail CDS Beverage Containers November 24

Classification	Item	Sum of Count	Sum of Total Volume (l)
Metal	Soft Dr/FW/FJD/SpD/EnD 150-499mL	17	6.38
Metal	Premixed spirit drinks 150-499mL	13	4.88
Glass	Beer 150-499mL	10	3.75
Plastic	Water 150-499mL	8	3.00
Plastic	Water 500-999mL	5	3.00
Metal	Beer 150-499mL	4	1.50
Paper And Card	Flav. milk (Cartons) 150-499mL	4	1.50
Plastic	Flav. Milk 500-999mL	4	2.40
Plastic	Soft Dr/FW/FJD/SpD/EnD 150-499mL	4	1.50
Metal	Soft Dr/FW/FJD/SpD/EnD 500-999mL	4	2.40
Glass	Soft Dr/FW/FJD/SpD/EnD 150-499mL	3	1.13
Plastic	Fruit/vegetable juice 150-499mL	2	0.75
Glass	Premixed spirit drinks 150-499mL	2	0.75
Glass	Beer 500-999mL	1	0.60
Plastic	Flav. Milk 150-499mL	1	0.38
Paper And Card	Fruit Juice 150-499mL	1	0.38
Plastic	Fruit/vegetable juice 500-999mL	1	0.60
Plastic	Soft Dr/FW/FJD/SpD/EnD 1000mL-3000mL	1	1.50
Plastic	Soft Dr/FW/FJD/SpD/EnD 500-999mL	1	0.60
Total		86	36.98

Category Detail CDS Beverage Containers May 25

Classification	Item	Sum of Count	Sum of Total Volume (l)
Paper And Card	FW/FW/FJD/SpD/EnD 150-499mL	18	6.75
Metal	Premixed spirit drinks 150-499mL	13	4.88
Metal	Soft Dr/FW/FJD/SpD/EnD 150-499mL	12	4.50
Metal	Beer 150-499mL	9	3.38
Glass	Beer 150-499mL	6	2.25
Plastic	Soft Dr/FW/FJD/SpD/EnD 500-999mL	6	3.60
Glass	Soft Dr/FW/FJD/SpD/EnD 150-499mL	4	1.50
Plastic	Water 500-999mL	4	2.40
Paper And Card	Fruit Juice 150-499mL	3	1.13
Metal	Cider/fruit based 150-499mL	2	0.75
Paper And Card	Flav. milk (Cartons) 500-999mL	2	1.20
Plastic	Fruit/vegetable juice 150-499mL	2	0.75
Plastic	Soft Dr/FW/FJD/SpD/EnD 150-499mL	2	0.75
Plastic	Soft Dr/FW/FJD/SpD/EnD 1000mL-3000mL	2	3.00
Plastic	Water 150-499mL	2	0.75
Glass	Beer 500-999mL	1	0.60
Glass	Cider 150-499mL	1	0.38
Plastic	Flav. Milk 150-499mL	1	0.38
Plastic	Flav. Milk 500-999mL	1	0.60
Glass	Soft Dr/FW/FJD/SpD/EnD 500-999mL	1	0.60
Metal	Soft Dr/FW/FJD/SpD/EnD 500-999mL	1	0.60
Total		93	40.73

4.0 Key Categories and Items

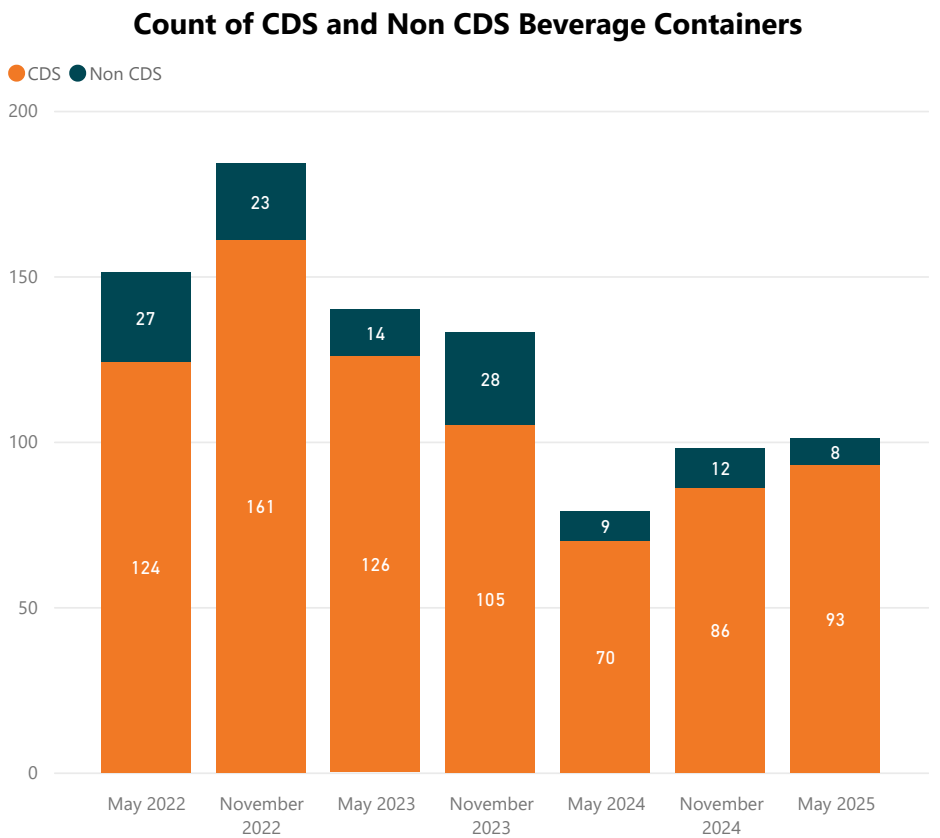
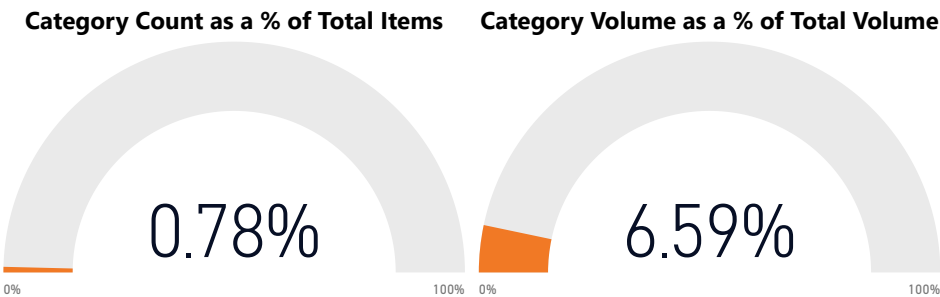


4.0 Key Categories and Items

Total Beverage Containers (CDS and Non CDS)

Across both survey periods, in addition to the above-reported CDS eligible containers there were a further 20 containers found that were classified as not eligible for the CDS scheme (12 in November 24 and 8 in May 25). This included items such as plastic (non-flavoured) milk containers 1000ml-3000ml, plastic <150ml flavoured milk containers, glass (non premixed) spirits containers and plastic <150ml (non premixed) spirit containers.

It follows that in 2024/25 total beverage containers (including Non CDS eligible) equated to 0.78% of total items counted, or 6.59% of the volume.



4.0 Key Categories and Items

Cigarette Butts and Filters

KEY ITEM SNAPSHOT		
	November 24	May 25
Total Number of Items - (#)	3,217	2,227
Total Volume of Items- (l)	6.43	4.45
Highest Site Litter Count - Number (#)	438	248
Highest Site Litter Count - Volume (l)	0.88	0.50
Lowest Site Litter Count - Number (#)	0	0
Lowest Site Litter Count - Volume (l)	0	0

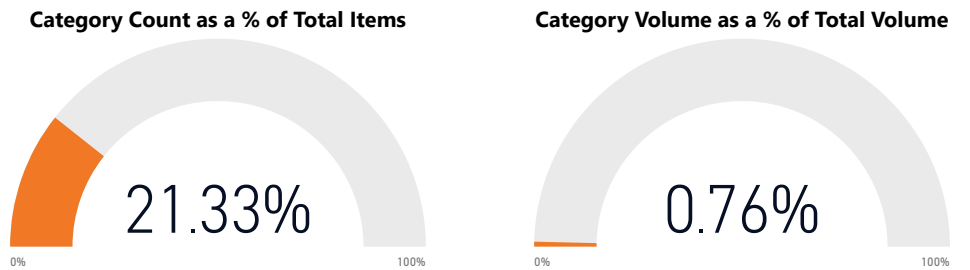


Cigarette Butts and Filters were the highest individual litter item by count in both survey periods. In 2024/25, there was 25.53 Cigarette butts and Filters counted per 1,000 square metres surveyed.

Up just marginally on previous periods, Cigarette Butts and Filters in the 2024/25 survey account for 21.33% of all litter items counted (compares with 20.50% in 2023/24 and 20.10% in 2022/23).

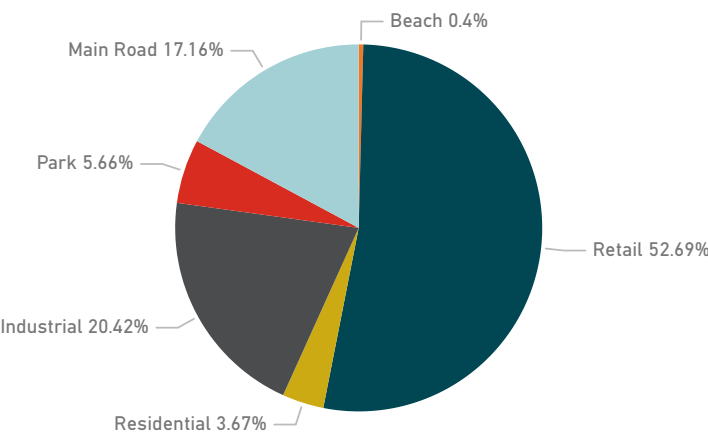
The highest site type for Cigarette Butts and Filters was Retail, accounting for 53% and 43% of the total counted in November 24 and May 25 respectively.

Out of 57 sites surveyed there were just six in November 24 and eight in May 25, where no Cigarette Butts and Filters were observed. Cigarette butt bins were only observed at one site during each survey period.

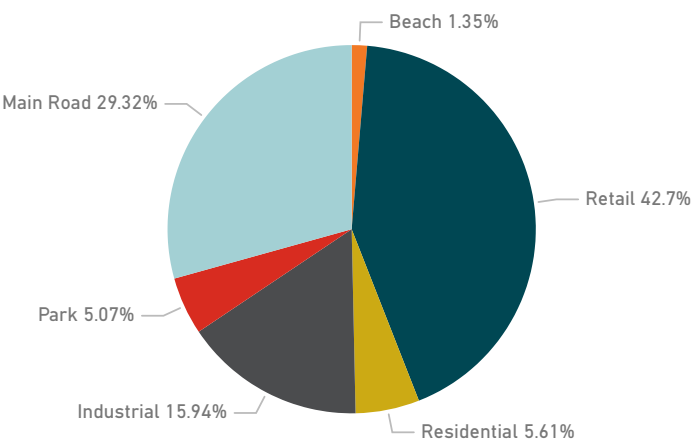


4.0 Key Categories and Items

Concentration of Cigarette Butts & Filters - November 24



Concentration of Cigarette Butts & Filters -May 25



4.0 Key Categories and Items

Takeaway Food Packaging

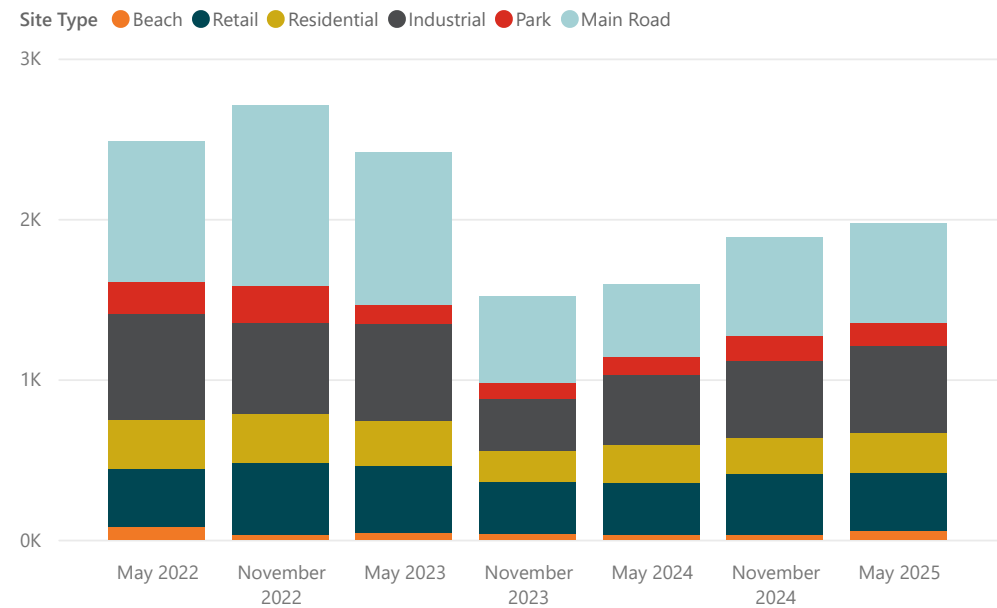
KEY ITEM SNAPSHOT		
	November 24	May 25
Total Number of Items - (#)	1,884	1,971
Total Volume of Items- (l)	152.24	156.75
Highest Site Litter Count - Number (#)	144	134
Highest Site Litter Count - Volume (l)	15.87	20.91
Lowest Site Litter Count - Number (#)	0	1
Lowest Site Litter Count - Volume (l)	0	0.02

Items in this section include a variety of materials that are used to package, wrap and transport takeaway and convenience food and beverages. The Count Sheet at Appendix 4 details the items captured in this category.

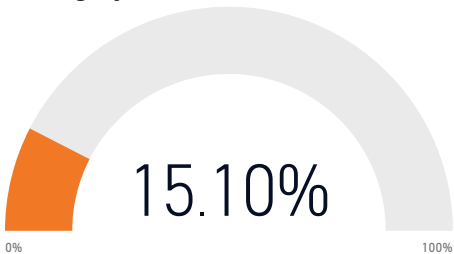
Out of 57 sites surveyed each period, there was just one in November 24 and nil in May 25 where no items from the Takeaway food packaging category observed. This highlights that this category of litter is a persistent issue across all site types and locations.

Takeaway food packaging as a % of total count and volume for 2024/25 is shown below. This compares to 2023/24 when the category accounted for 14.53% of total litter items by count, and 16.77% of the total volume.

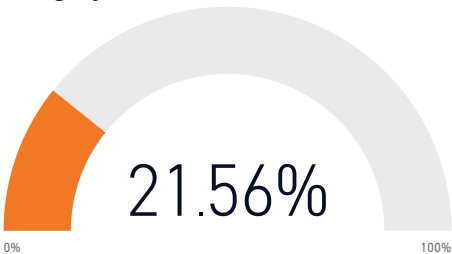
Count of Takeaway Items by Site Type



Category Count as a % of Total Items

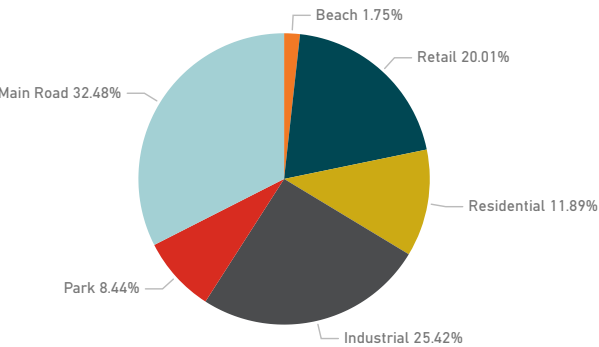


Category Volume as a % of Total Volume

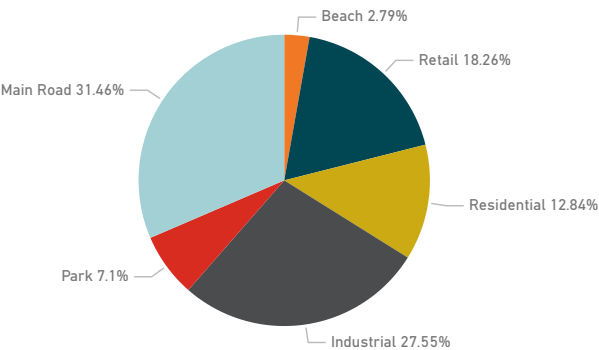


4.0 Key Categories and Items

Concentration of Takeaway Food Packaging - November 24



Concentration of Takeaway Food Packaging - May 25



Category Detail Takeaway Food Packaging - November 24

Item	Sum of Count	Sum of Total Volume (l)
Food/confect. Wrappers	683	34.15
Lids - Beverage container lids /caps	324	6.48
Lids, bottle tops, can ring pulls	257	0.51
Paper/card food packaging	138	69.00
Cup - Coffee cup	77	15.40
Straw (non-plastic)	77	0.39
Lollipop Sticks	65	0.07
Lids - Other	43	0.86
Cup - Other paper cup	41	8.20
Lids -Coffee cup lid	30	0.60
Straws	28	0.14
Cutlery (non-plastic)	19	0.19
Takeaway food container	18	9.00
Lids - Plastic cup lid	16	0.32
Ice Cream Stick	14	0.01
Ice cream wrappers	14	0.28
Plate/bowl - single use	9	1.80
Plate/bowl (non-plastic)	8	1.60
Cup - Single use	7	1.40
Stirrers (non-plastic)	6	0.01
Cutlery/chopsticks	3	0.03
Six pack rings	3	0.60
Foil takeaway container	2	1.00
Cups (foam)	1	0.20
Stirrers	1	0.00
Food pack/clam shells	0	0.00
Total	1884	152.24

Category Detail Takeaway Food Packaging - May 25

Item	Sum of Count	Sum of Total Volume (l)
Food/confect. Wrappers	658	32.90
Lids - Beverage container lids /caps	484	9.68
Lids, bottle tops, can ring pulls	264	0.53
Paper/card food packaging	117	58.50
Cup - Coffee cup	101	20.20
Straw (non-plastic)	72	0.36
Lids -Coffee cup lid	58	1.16
Lollipop Sticks	39	0.04
Takeaway food container	39	19.50
Cup - Other paper cup	27	5.40
Cup - Single use	27	5.40
Lids - Plastic cup lid	22	0.44
Ice Cream Stick	14	0.01
Straws	12	0.06
Lids - Other	11	0.22
Cutlery/chopsticks	7	0.07
Cutlery (non-plastic)	6	0.06
Plate/bowl (non-plastic)	5	1.00
Six pack rings	4	0.80
Cups (foam)	2	0.40
Ice cream wrappers	1	0.02
Stirrers	1	0.00
Foil takeaway container	0	0.00
Food pack/clam shells	0	0.00
Plate/bowl - single use	0	0.00
Stirrers (non-plastic)	0	0.00
Total	1971	156.75

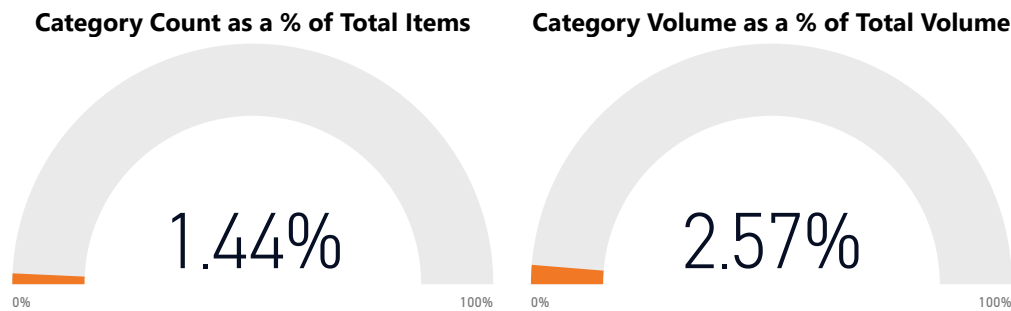
4.0 Key Categories and Items

Polystyrene

KEY ITEM SNAPSHOT		
	November 24	May 25
Total Number of Items - (#)	186	182
Total Volume of Items- (l)	22.03	14.78
Highest Site Litter Count - Number (#)	23	38
Highest Site Litter Count - Volume (l)	5.00	2.17
Lowest Site Litter Count - Number (#)	0	0
Lowest Site Litter Count - Volume (l)	0	0

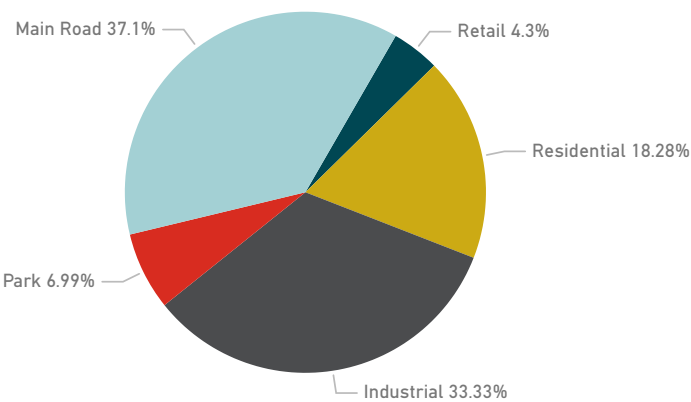
This category captures Polystyrene takeaway food packaging and cups, insulation and packaging, and fragments.

Fragments make up the largest proportion of this category, accounting for 166 or 89% in November 24 and 170 or 93% in May 25.

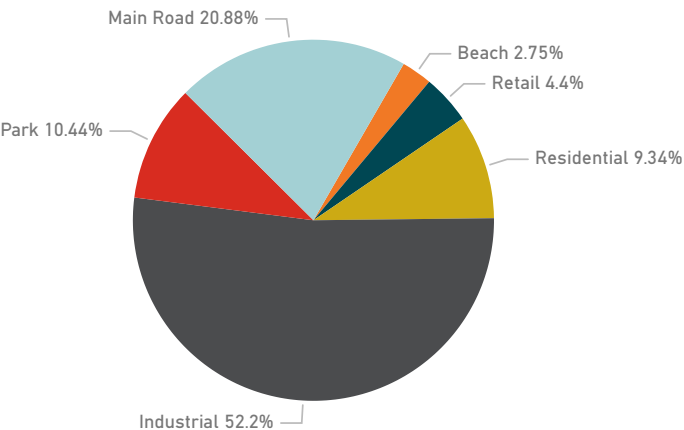


4.0 Key Categories and Items

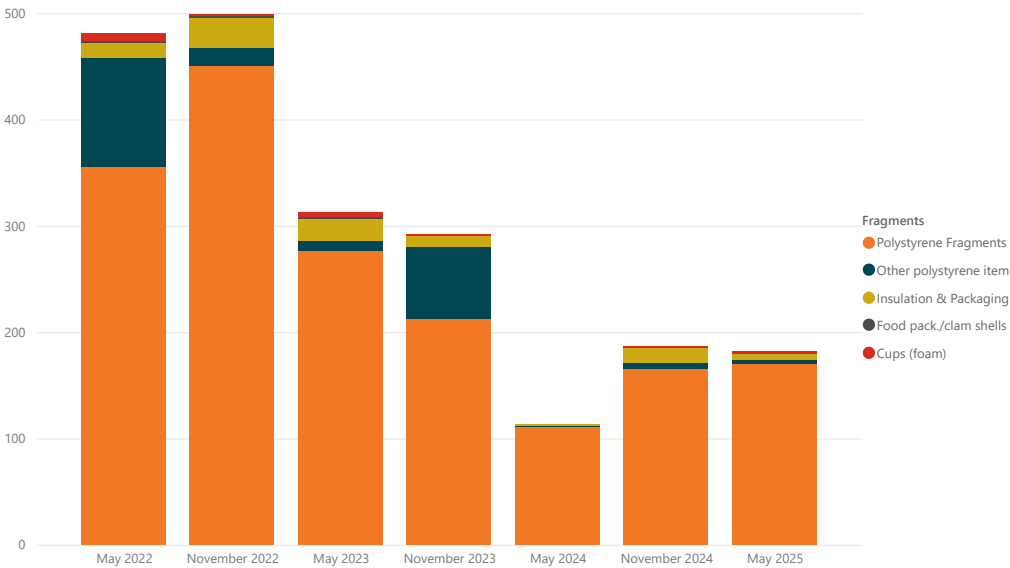
Concentration of Polystyrene - November 24



Concentration of Polystyrene - May 25



Count of Polystyrene by Item



4.0 Key Categories and Items

Fragments

KEY ITEM SNAPSHOT		
	November 24	May 25
Total Number of Items - (#)	5,442	5,194
Total Volume of Items- (l)	71.84	71.85
Highest Site Litter Count - Number (#)	317	399
Highest Site Litter Count - Volume (l)	2.54	3.19
Lowest Site Litter Count - Number (#)	0	0
Lowest Site Litter Count - Volume (l)	0	0

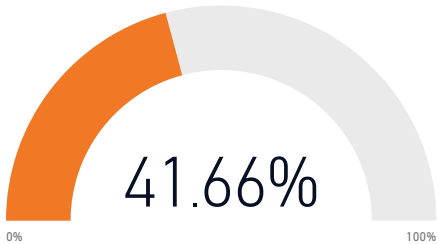
The AusLM Field Guide defines Fragments as “pieces of litter [that are] either no longer identifiable as a whole item, or there is less than half of the whole item found in one or multiple contributing pieces”

Fragments were classified based on their source material, and size;

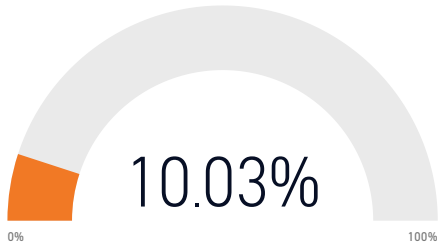
- small (2.5 cm to 8 cm)
- medium (8 cm to 16 cm)
- large (larger than 16 cm)

Fragments consistently make up a significant portion of the litter items counted. In 2024/25 Plastic fragments (including hard and soft plastic) continues to make up the largest proportion of the fragments counted, accounting for between 47% and 49% of fragments each period.

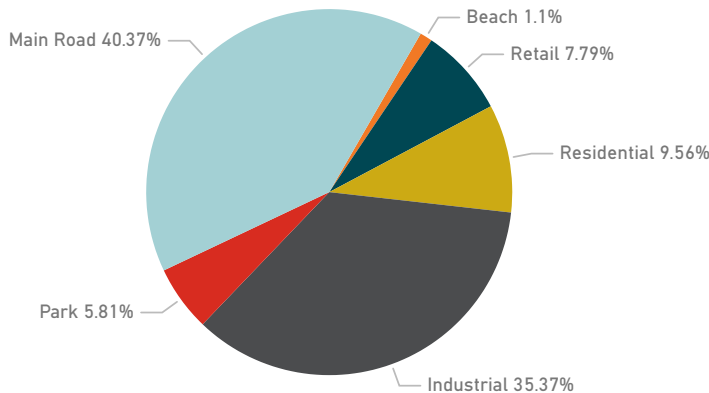
Category Count as a % of Total Items



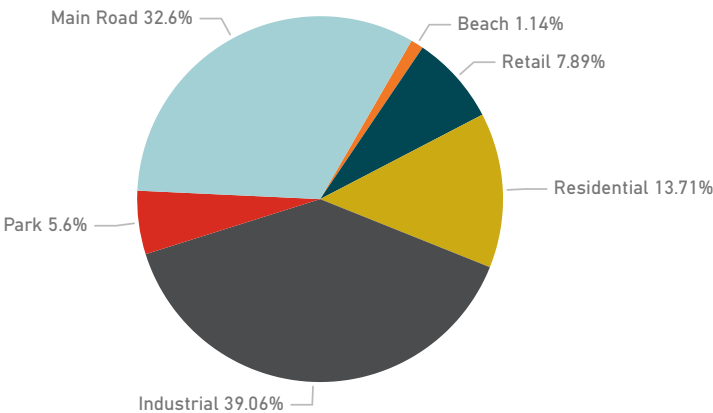
Category Volume as a % of Total Volume



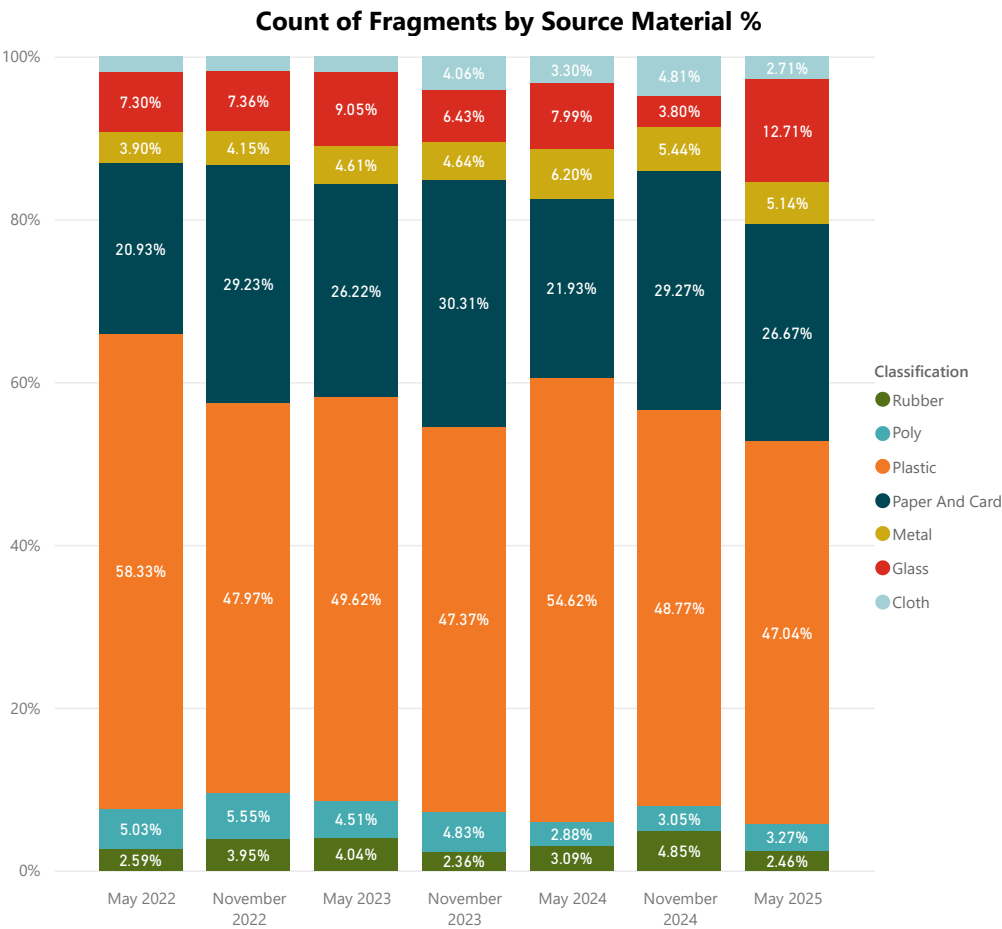
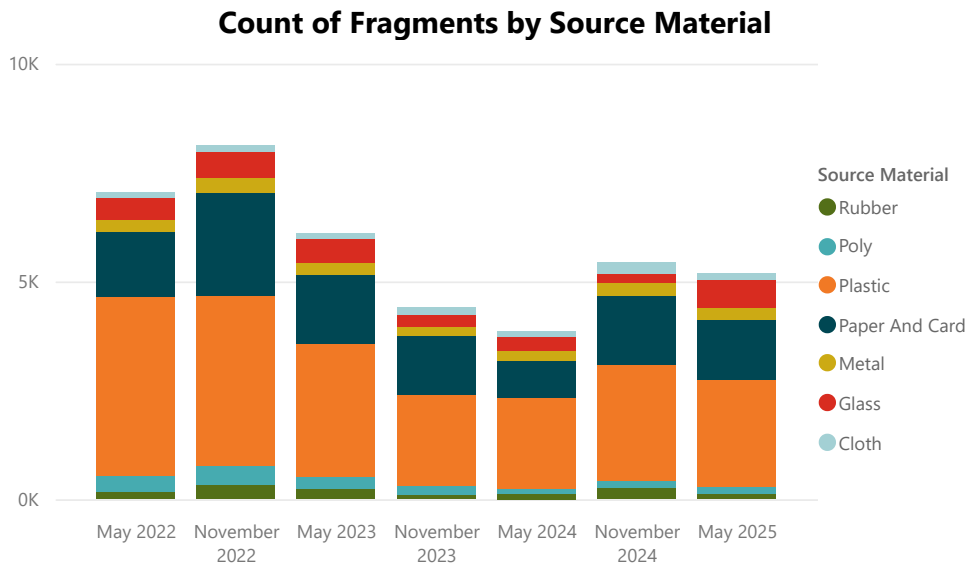
Concentration of Fragments- November 24



Concentration of Fragments - May 25



4.0 Key Categories and Items



5.0 Other Observations

Items of Note – Facemasks

KEY ITEM SNAPSHOT		
	November 24	May 25
Total Number of Items - (#)	11	4
Total Volume of Items- (l)	1.10	0.40
Highest Site Litter Count - Number (#)	2	1
Highest Site Litter Count - Volume (l)	0.20	0.10
Lowest Site Litter Count - Number (#)	0	0
Lowest Site Litter Count - Volume (l)	0	0

Over the past five and a half years, the Coronavirus Pandemic has resulted in Public Health Orders, including periods of Facemask mandates across the Perth metropolitan area.

There were no periods of general public mask mandates during the 12 months to June 25, and the resulting reduction in Facemasks counted is evident in the **Count of Facemasks by Period** graph.



Category Count as a % of Total Ite...

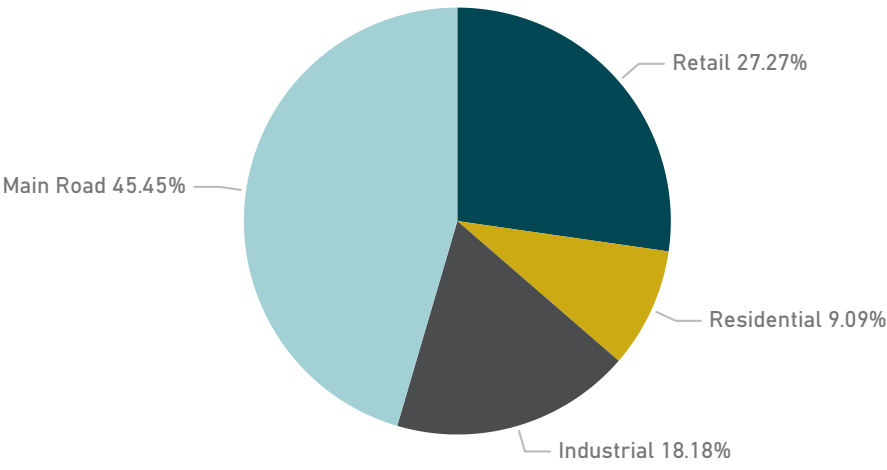


Category Volume as a % of To...

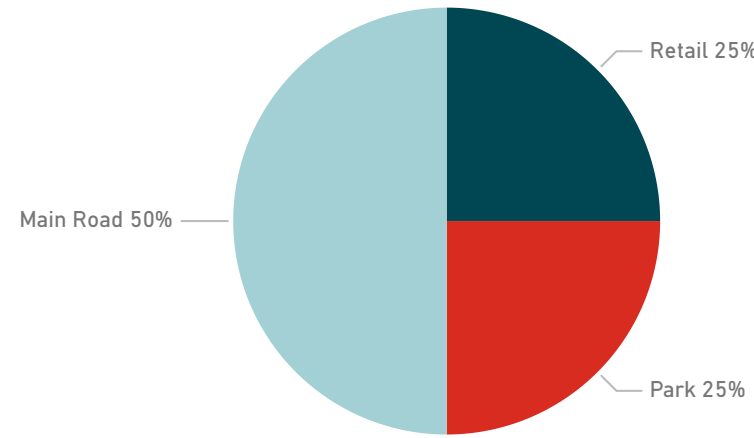


5.0 Other Observations

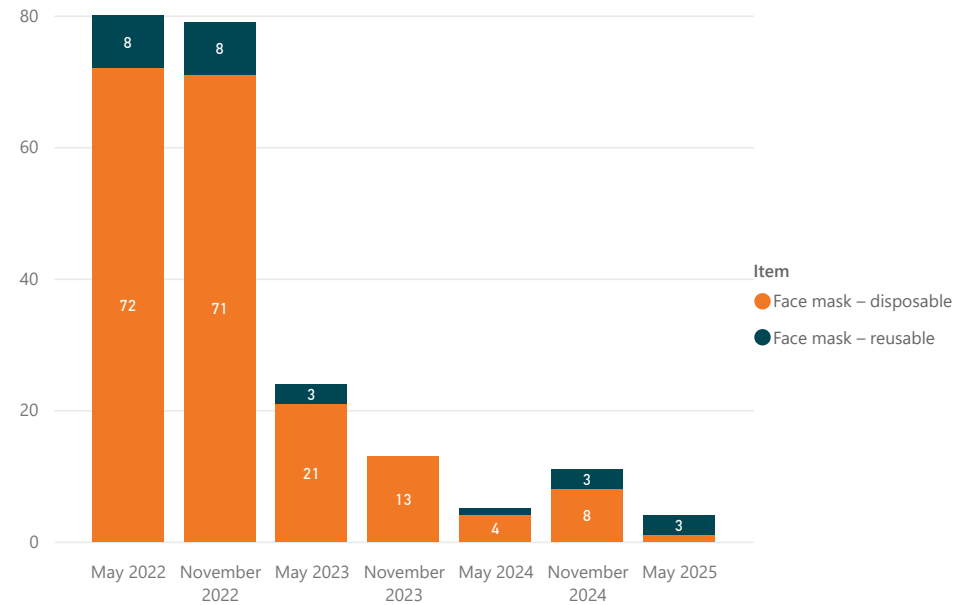
Concentration of Facemasks - November 24



Concentration of Facemasks - May 25



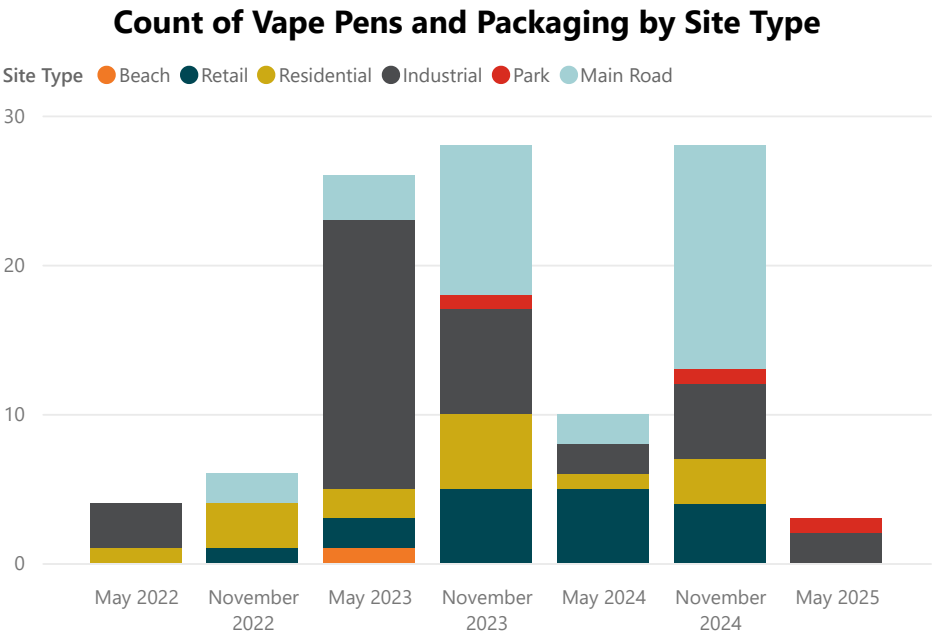
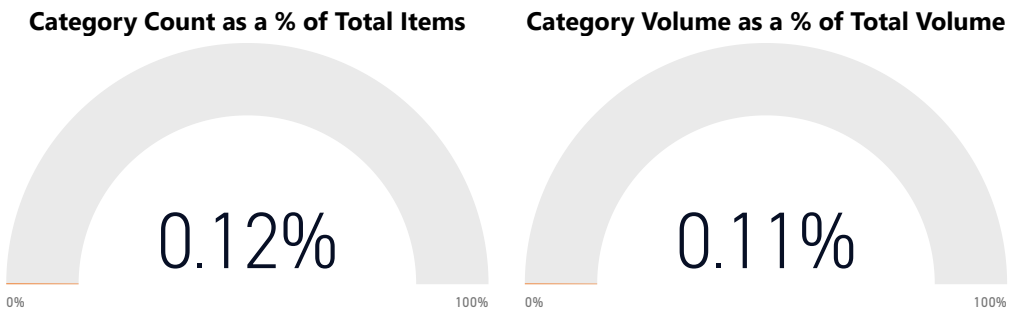
Count of Facemasks



5.0 Other Observations

Items of Note – Vape Pens and Vape Packaging

KEY ITEM SNAPSHOT		
	November 24	May 25
Total Number of Items - (#)	28	3
Total Volume of Items- (l)	1.40	0.15
Highest Site Litter Count - Number (#)	10	2
Highest Site Litter Count - Volume (l)	0.50	0.10
Lowest Site Litter Count - Number (#)	0	0
Lowest Site Litter Count - Volume (l)	0	0

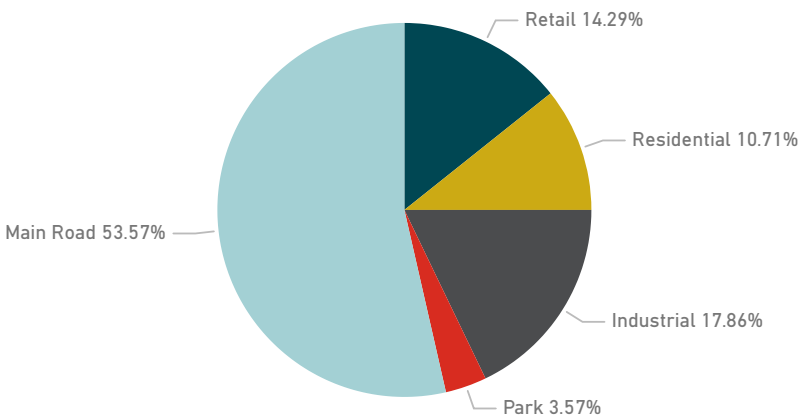


As demonstrated in the above **Vape Pens and Packaging by Site Type and Period** graph, the count of Vape Pens and Vape Packaging has been recorded at varying levels period to period, since the first survey in 2022.

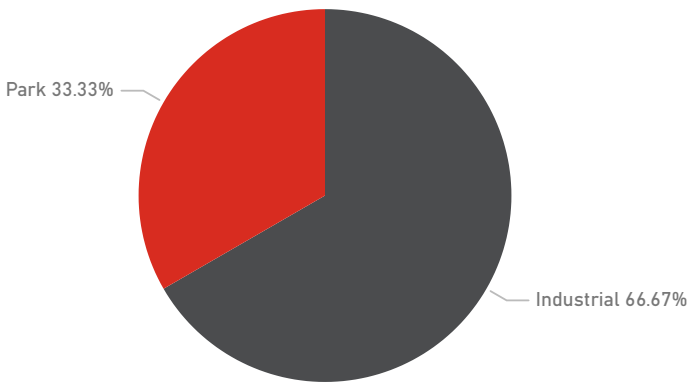
There is a noticeable drop in May 25 of Vape Pens and Vape Packaging. As relatively new products to the market, it is worth noting these items may be inconsistently recognised by survey team members, which may lead to them on occasion being recorded under more generic item classifications.

5.0 Other Observations

Concentration of Vape Pens and Packaging - November 24



Concentration of Vape Pens and Packaging - May 25



5.0 Other Observations

Illegal Dumping

There were a number of occasions where illegal dumping was observed during the litter surveys. Per the AusLM Field Guide the items of illegal dumping were excluded from the count and the area containing the items plus a one metre buffer was removed from the surveyed area.

In November 24, three instances of dumping were noted within a specific transect. One instance was noted in each a Retail, Main Road and Industrial site.

Illegally dumped items included retic piping, a pallet, and a box of mixed waste.

In May 25, four instances of illegal dumping were recorded, three at Industrial sites and one at Residential. Items included construction waste and rubble, piping and tyres.



6.0 Appendices

<i>Appendix 1 – Site Type Assessment Checklist</i>	<i>53</i>
<i>Appendix 2 – Total Items and Volume in Count Sheet Format</i>	<i>54</i>
<i>Appendix 3 – Total Estimated Volume by Item</i>	<i>65</i>
<i>Appendix 4 – Category Classifications</i>	<i>68</i>

6.0 Appendices

Appendix 1

Site Type Assessment Checklist

RESIDENTIAL AREA

Summary	A street/collection of streets in a residential area. The street has homes, units, or apartments on both sides of the street.
Inclusion criteria	<input type="checkbox"/> Houses, multi-unit developments, apartments and townhouses on both sides of the street.
Exclusion criteria	<input type="checkbox"/> Streets maximum speed limits greater than 60 km/h. <input type="checkbox"/> Dead end/blind-ended streets (e.g. courts, cul-de-sac) <input type="checkbox"/> Streets with schools or other significant public amenity (though these can be nearby in neighbouring streets).

RETAIL AREA

Summary	A street/collection of streets within a retail precinct (i.e. shopfronts).
Inclusion criteria	<input type="checkbox"/> Majority of street contains retail shops and food stores. A small fraction of other building types (e.g. a library, a small office frontage) is allowed. The retail strip might be only on one side of the road or both. Buildings that have retail fronts/at ground level and residential above can be included.
Exclusion criteria	<input type="checkbox"/> A strip that is dominated by restaurants/pubs (i.e. more than 80% of the land use areas).

INDUSTRIAL AREA

Summary	A street/collection of streets in an industrial area.
Inclusion criteria	<input type="checkbox"/> Streets will include factories, industrial offices, warehouses, workshops or other industrial buildings.
Exclusion criteria	<input type="checkbox"/> Industrial areas that are accessed by a private road. e.g. Industrial parks where the listed address is the main road at the front of the estate. <input type="checkbox"/> More than 10% of the street length contains retail shops-.

RECREATIONAL PARK

Summary	A public outdoor space frequently visited by individuals and families for recreation and leisure.
Inclusion criteria	<input type="checkbox"/> Has one or more of the following: a playground or covered eating area (e.g. a rotunda) or barbeque or similar substantial piece of infrastructure. <input type="checkbox"/> 50% or more open area (i.e. grass, paths) that is not playgrounds or dense vegetation.
Exclusion criteria	<input type="checkbox"/> Parks with food retail outlets (kiosks, takeaway stores etc.) within the site or within 50 m of the park boundary.

BEACH

Summary	A mostly sandy beach frequently visited by people for activities such as swimming, walking, other recreation and relaxation.
Inclusion criteria	<input type="checkbox"/> The majority (i.e. 90% or more) of the beach area to be sampled is sand (or sand covered in seaweed etc.).
Exclusion criteria	<input type="checkbox"/> Piers, jetties, wharves or boat ramps are within 100 metres of the location of the transects to be surveyed.

MAIN ROAD

Summary	Straight open stretches of sealed road with wide verges. Roads that typically act as an arterial for traffic between and around population centres.
Inclusion criteria	<input type="checkbox"/> A main road linking population centres (towns/cities) <input type="checkbox"/> Vegetation bordering each side of the road
Exclusion criteria	<input type="checkbox"/> Petrol stations, fast food outlets and service centres within 2 km of the site <input type="checkbox"/> Site has bridges, overpasses, rest stops, turn-offs, intersections (except driveways), and slipways <input type="checkbox"/> Areas with steeply sloped verges (i.e. >45°) are excluded.

6.0 Appendices

Appendix 2

Total Items and Volume in Count Sheet Format

		Nov-24		May-24		2025FY Total			
		Total Number of Items	Total Volume (l)	Total Number of Items	Total Volume (l)	Average Number of Items	Items /1000m2	Average Volume (l)	Volume (l)/1000m2
PLASTIC	Cigarette butts and filters	3,217	6.43	2,227	4.45	2,722	25.53	5.44	0.05
	Bag - Dog Poo	18	3.60	4	0.80	11	0.10	2.20	0.02
	Bag - Fruit/Veg	12	2.40	2	0.40	7	0.07	1.40	0.01
	Bag - Green Reusable	3	3.00	1	1.00	2	0.02	2.00	0.02
	Bag - Heavy Boutique	2	2.00	1	1.00	2	0.01	1.50	0.01
	Bag - Heavy Supermarket	3	3.00	5	5.00	4	0.04	4.00	0.04
	Bag – Ice	3	1.50	1	0.50	2	0.02	1.00	0.01
	Bag -Lightweight shop	10	2.00	3	0.60	7	0.06	1.30	0.01
	Bag - Mesh Bags	4	0.40	1	0.10	3	0.02	0.25	0.00
	Bag - Other	58	11.60	28	5.60	43	0.40	8.60	0.08
	Bread Bag Tags/twist ties	22	0.02	12	0.01	17	0.16	0.02	0.00
	Cable ties	127	0.64	93	0.47	110	1.03	0.55	0.01
	Cigarette Lighters	6	0.06	2	0.02	4	0.04	0.04	0.00
	Cigarette packet cellophane wrap	38	0.04	14	0.02	26	0.24	0.03	0.00
	Cotton buds/tips	11	0.01	8	0.01	10	0.09	0.01	0.00
	Cup – Single use	7	1.40	27	5.40	17	0.16	3.40	0.03
	Cup – Reusable	1	0.20	1	0.20	1	0.01	0.20	0.00
	Cutlery/chopsticks	3	0.03	7	0.07	5	0.05	0.05	0.00
	Fishing related	12	0.60	3	0.15	8	0.07	0.38	0.00
	Food/confect. Wrappers	683	34.15	658	32.90	671	6.29	33.53	0.31
	Lids - Beverage container lids /caps	324	6.48	484	9.68	404	3.79	8.08	0.08
	Lids - Plastic cup lid	16	0.32	22	0.44	19	0.18	0.38	0.00
	Lids -Coffee cup lid	30	0.60	58	1.16	44	0.41	0.88	0.01
	Lids - Other	43	0.86	11	0.22	27	0.25	0.54	0.01

6.0 Appendices

		Nov-24		May-24		2025FY Total			
		Total Number of Items	Total Volume (l)	Total Number of Items	Total Volume (l)	Average Number of Items	Items /1000m2	Average Volume (l)	Volume (l)/1000m2
PLASTIC	Lollipop Sticks	65	0.07	39	0.04	52	0.49	0.05	0.00
	Non-Food Bottle	13	6.50	3	1.50	8	0.08	4.00	0.04
	Non-Food package	31	15.50	44	22.00	38	0.35	18.75	0.18
	Other Food Package	51	25.50	17	8.50	34	0.32	17.00	0.16
	Plate/bowl – single use	9	1.80	-	-	5	0.04	0.90	0.01
	Plate/bowl – reusable	3	0.60	8	1.60	6	0.05	1.10	0.01
	Plastic wrap non-food	15	3.00	38	7.60	27	0.25	5.30	0.05
	Six pack rings	3	0.60	4	0.80	4	0.03	0.70	0.01
	Strapping band	74	14.80	72	14.40	73	0.68	14.60	0.14
	Stirrers	1	0.00	1	0.00	1	0.01	0.00	0.00
	Straws	28	0.14	12	0.06	20	0.19	0.10	0.00
	Syringe	2	0.02	1	0.01	2	0.01	0.02	0.00
	Takeaway food container	18	9.00	39	19.50	29	0.27	14.25	0.13
	Tape/narrow soft plastic film	206	10.30	137	6.85	172	1.61	8.58	0.08
	Tobacco pouch	8	0.80	1	0.10	5	0.04	0.45	0.00
	Toys	27	2.70	23	2.30	25	0.23	2.50	0.02
	Whipper snipper cord	29	0.15	21	0.11	25	0.23	0.13	0.00
	Other plastic item	105	10.50	123	12.30	114	1.07	11.40	0.11
METAL	Aerosol cans	3	0.90	-	-	2	0.01	0.45	0.00
	Aluminium foil wrap	190	19.00	136	13.60	163	1.53	16.30	0.15
	Foil takeaway container	2	1.00	-	-	1	0.01	0.50	0.00
	Lids, bottle tops, can ring pulls	257	0.51	264	0.53	261	2.44	0.52	0.00
	Other metal item	150	15.00	90	9.00	120	1.13	12.00	0.11
GLASS	Glass jars	33	1.88	-	-	3	0.02	0.94	0.01
	Other glass item	77	0.80	6	1.20	5	0.05	1.00	0.01

6.0 Appendices

		Nov-24		May-24		2025FY Total			
		Total Number of Items	Total Volume (l)	Total Number of Items	Total Volume (l)	Average Number of Items	Items /1000m2	Average Volume (l)	Volume (l)/1000m2
PAPER	Cigarette packets	41	3.30	28	2.80	31	0.29	3.05	0.03
	Cup - Coffee cup	14	15.40	101	20.20	89	0.83	17.80	0.17
	Cup - Other paper cup	8	8.20	27	5.40	34	0.32	6.80	0.06
	Ice cream wrappers	19	0.28	1	0.02	8	0.07	0.15	0.00
	Junk mail / free circulars	29	4.00	27	13.50	18	0.16	8.75	0.08
	Newspaper/Magazine	34	9.50	13	6.50	16	0.15	8.00	0.08
	Packages & boxes	138	14.50	41	20.50	35	0.33	17.50	0.16
	Paper bags	412	10.20	27	8.10	31	0.29	9.15	0.09
	Paper/card food packaging	172	69.00	117	58.50	128	1.20	63.75	0.60
	Paper tissues/napkin	50	20.60	324	16.20	368	3.45	18.40	0.17
	Shopper dockets, tickets/receipts	172	8.60	288	14.40	230	2.16	11.50	0.11
	Other paper & card.	50	2.50	54	2.70	52	0.49	2.60	0.02
RUBBER	Rubber band/hair tie	56	0.28	36	0.18	46	0.43	0.23	0.00
	Rubber toy	2	0.10	1	0.05	2	0.01	0.08	0.00
	Tyre pieces	12	0.06	1	0.01	7	0.06	0.03	0.00
	Tyres	-	-	4	80.00	2	0.02	40.00	0.38
	Other rubber item	27	2.70	21	2.10	24	0.23	2.40	0.02
POLY	Cups (foam)	1	0.20	2	0.40	2	0.01	0.30	0.00
	Food pack./clam shells	-	-	-	-	-	-	-	-
	Insulation & Packaging	14	14.00	6	6.00	10	0.09	10.00	0.09
	Other polystyrene item	5	2.50	4	2.00	5	0.04	2.25	0.02
CLOTH	Clothing	43	43.00	39	39.00	41	0.38	41.00	0.38
	Other cloth item	88	17.60	48	9.60	68	0.64	13.60	0.13

6.0 Appendices

		Nov-24		May-24		2025FY Total			
		Total Number of Items	Total Volume (l)	Total Number of Items	Total Volume (l)	Average Number of Items	Items /1000m2	Average Volume (l)	Volume (l)/1000m2
OTHER MATERIALS	Balloons	29	1.45	8	0.40	19	0.17	0.93	0.01
	Batteries	10	0.10	3	0.03	7	0.06	0.07	0.00
	Condom	3	0.02	2	0.01	3	0.02	0.01	0.00
	Construction materials	133	47.88	170	61.20	152	1.42	54.54	0.51
	Cotton buds/tips (non- plastic)	6	0.01	-	-	3	0.03	0.00	0.00
	Cutlery (non-plastic)	19	0.19	6	0.06	13	0.12	0.13	0.00
	Dog poo	48	2.40	12	0.60	30	0.28	1.50	0.01
	Electrical wire	49	0.49	33	0.33	41	0.38	0.41	0.00
	Face mask – disposable	8	0.80	1	0.10	5	0.04	0.45	0.00
	Face mask – reusable	3	0.30	3	0.30	3	0.03	0.30	0.00
	Fruit/vegetable/food	51	10.20	39	7.80	45	0.42	9.00	0.08
	Gum	16	-	1	-	9	0.08	-	-
	Ice Cream Stick	14	0.01	14	0.01	14	0.13	0.01	0.00
	Nappy	2	1.00	3	1.50	3	0.02	1.25	0.01
	Personal Effects	39	7.80	12	2.40	26	0.24	5.10	0.05
	Plate/bowl (non-plastic)	8	1.60	5	1.00	7	0.06	1.30	0.01
	Rope/string	134	26.80	115	23.00	125	1.17	24.90	0.23
	Sanitary Items	16	3.20	5	1.00	11	0.10	2.10	0.02
	Stirrers (non-plastic)	6	0.01	-	-	3	0.03	0.01	0.00
	Straw (non-plastic)	77	0.39	72	0.36	75	0.70	0.37	0.00
	Vape packaging	12	0.60	-	-	6	0.06	0.30	0.00
	Vape pen	16	0.80	3	0.15	10	0.09	0.48	0.00
	Vehicle parts	27	1.35	8	0.40	18	0.16	0.88	0.01
	Wet wipes	85	4.25	65	3.25	75	0.70	3.75	0.04
	Wooden items	74	7.40	14	1.40	44	0.41	4.40	0.04
	Unknown item	17	1.70	8	0.80	13	0.12	1.25	0.01

6.0 Appendices

		Nov-24		May-24		2025FY Total			
		Total Number of Items	Total Volume (l)	Total Number of Items	Total Volume (l)	Average Number of Items	Items /1000m2	Average Volume (l)	Volume (l)/1000m2
BEVERAGE CONTAINERS									
PLASTIC	Drink pouches <150 ml	-	-	-	-	-	-	-	-
	Drink pouches 150-499mL	-	-	-	-	-	-	-	-
	Drink pouches 500-999mL	1	0.60	-	-	1	0.00	0.30	0.00
	Drink pouches 1000mL-3000mL	1	1.50	-	-	1	0.00	0.75	0.01
	Drink pouches >3000mL	-	-	-	-	-	-	-	-
	Flav. Milk <150 ml	1	0.12	1	0.12	1	0.01	0.12	0.00
	Flav. Milk 150-499mL	1	0.38	1	0.38	1	0.01	0.38	0.00
	Flav. Milk 500-999mL	4	2.40	1	0.60	3	0.02	1.50	0.01
	Flav. Milk 1000mL-3000mL	-	-	-	-	-	-	-	-
	Flav. Milk >3000mL	-	-	-	-	-	-	-	-
	Soft Dr/FW/FJD/SpD/EnD <150 ml	-	-	-	-	-	-	-	-
	Soft Dr/FW/FJD/SpD/EnD 150-499mL	4	1.50	2	0.75	3	0.03	1.13	0.01
	Soft Dr/FW/FJD/SpD/EnD 500-999mL	1	0.60	6	3.60	4	0.03	2.10	0.02
	Soft Dr/FW/FJD/SpD/EnD 1000mL-3000mL	1	1.50	2	3.00	2	0.01	2.25	0.02
	Soft Dr/FW/FJD/SpD/EnD >3000mL	-	-	-	-	-	-	-	-
	Fruit/vegetable juice <150 ml	-	-	-	-	-	-	-	-
	Fruit/vegetable juice 150-499mL	2	0.75	2	0.75	2	0.02	0.75	0.01
	Fruit/vegetable juice 500-999mL	1	0.60	-	-	1	0.00	0.30	0.00
	Fruit/vegetable juice 1000mL-3000mL	-	-	-	-	-	-	-	-
	Fruit/vegetable juice >3000mL	-	-	-	-	-	-	-	-
	Water <150 ml	-	-	-	-	-	-	-	-
	Water 150-499mL	8	3.00	2	0.75	5	0.05	1.88	0.02
	Water 500-999mL	5	3.00	4	2.40	5	0.04	2.70	0.03
	Water 1000mL-3000mL	-	-	-	-	-	-	-	-
	Water >3000mL	-	-	-	-	-	-	-	-

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		Nov-24		May-24		2025FY Total			
		Total Number of Items	Total Volume (l)	Total Number of Items	Total Volume (l)	Average Number of Items	Items /1000m2	Average Volume (l)	Volume (l)/1000m2
PLASTIC	White milk <150 ml	-	-	-	-	-	-	-	-
	White milk 150-499mL	-	-	-	-	-	-	-	-
	White milk 500-999mL	-	-	-	-	-	-	-	-
	White milk 1000mL-3000mL	2	4.00	1	2.00	2	0.01	3.00	0.03
	White milk >3000mL	-	-	-	-	-	-	-	-
METAL	Beer <150 ml	-	-	-	-	-	-	-	-
	Beer 150-499mL	4	1.50	9	3.38	7	0.06	2.44	0.02
	Beer 500-999mL	-	-	-	-	-	-	-	-
	Beer 1000mL-3000mL	-	-	-	-	-	-	-	-
	Beer >3000mL	-	-	-	-	-	-	-	-
	Cider/fruit based <150 ml	-	-	-	-	-	-	-	-
	Cider/fruit based 150-499mL	-	-	2	0.75	1	0.01	0.38	0.00
	Cider/fruit based 500-999mL	-	-	-	-	-	-	-	-
	Cider/fruit based 1000mL-3000mL	-	-	-	-	-	-	-	-
	Cider/fruit based >3000mL	-	-	-	-	-	-	-	-
	Premixed spirit drinks <150 ml	-	-	-	-	-	-	-	-
	Premixed spirit drinks 150-499mL	13	4.88	13	4.88	13	0.12	4.88	0.05
	Premixed spirit drinks 500-999mL	-	-	-	-	-	-	-	-
	Premixed spirit drinks 1000mL-3000mL	-	-	-	-	-	-	-	-
	Premixed spirit drinks >3000mL	-	-	-	-	-	-	-	-
	Soft Dr/FW/FJD/SpD/EnD <150 ml	-	-	-	-	-	-	-	-
	Soft Dr/FW/FJD/SpD/EnD 150-499mL	17	6.38	12	4.50	15	0.14	5.44	0.05
	Soft Dr/FW/FJD/SpD/EnD 500-999mL	4	2.40	1	0.60	3	0.02	1.50	0.01
	Soft Dr/FW/FJD/SpD/EnD 1000mL-3000mL	-	-	-	-	-	-	-	-
	Soft Dr/FW/FJD/SpD/EnD >3000mL	-	-	-	-	-	-	-	-
	Wine Bladders <150 ml	-	-	-	-	-	-	-	-

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		Nov-24		May-24		2025FY Total			
		Total Number of Items	Total Volume (l)	Total Number of Items	Total Volume (l)	Average Number of Items	Items /1000m2	Average Volume (l)	Volume (l)/1000m2
METAL	Wine Bladders 150-499mL	-	-	-	-	-	-	-	-
	Wine Bladders 500-999mL	-	-	-	-	-	-	-	-
	Wine Bladders 1000mL-3000mL	-	-	-	-	-	-	-	-
	Wine Bladders >3000mL	-	-	-	-	-	-	-	-
GLASS	Wine <150 ml	-	-	-	-	-	-	-	-
	Wine 150-499mL	-	-	-	-	-	-	-	-
	Wine 500-999mL	1	0.75	-	-	1	0.00	0.38	0.00
	Wine 1000mL-3000mL	-	-	-	-	-	-	-	-
	Wine >3000mL	-	-	-	-	-	-	-	-
	Spirit <150 ml	-	-	-	-	-	-	-	-
	Spirit 150-499mL	-	-	1	0.38	1	0.00	0.19	0.00
	Spirit 500-999mL	2	1.40	-	-	1	0.01	0.70	0.01
	Spirit 1000mL-3000mL	1	1.50	-	-	1	0.00	0.75	0.01
	Spirit >3000mL	-	-	-	-	-	-	-	-
	Premixed spirit drinks <150 ml	-	-	-	-	-	-	-	-
	Premixed spirit drinks 150-499mL	2	0.75	-	-	1	0.01	0.38	0.00
	Premixed spirit drinks 500-999mL	-	-	-	-	-	-	-	-
	Premixed spirit drinks 1000mL-3000mL	-	-	-	-	-	-	-	-
	Premixed spirit drinks >3000mL	-	-	-	-	-	-	-	-
	Beer <150 ml	-	-	-	-	-	-	-	-
	Beer 150-499mL	10	3.75	6	2.25	8	0.08	3.00	0.03
	Beer 500-999mL	1	0.60	1	0.60	1	0.01	0.60	0.01
	Beer 1000mL-3000mL	-	-	-	-	-	-	-	-
	Beer >3000mL	-	-	-	-	-	-	-	-
	Cider <150 ml	-	-	-	-	-	-	-	-
	Cider 150-499mL	-	-	1	0.38	1	0.00	0.19	0.00

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		Nov-24		May-24		2025FY Total			
		Total Number of Items	Total Volume (l)	Total Number of Items	Total Volume (l)	Average Number of Items	Items /1000m2	Average Volume (l)	Volume (l)/1000m2
GLASS	Cider 500-999mL	-	-	-	-	-	-	-	-
	Cider 1000mL-3000mL	-	-	-	-	-	-	-	-
	Cider >3000mL	-	-	-	-	-	-	-	-
	Soft Dr/FW/FJD/SpD/EnD <150 ml	-	-	-	-	-	-	-	-
	Soft Dr/FW/FJD/SpD/EnD 150-499mL	3	1.13	4	1.50	4	0.03	1.31	0.01
	Soft Dr/FW/FJD/SpD/EnD 500-999mL	-	-	1	0.60	1	0.00	0.30	0.00
	Soft Dr/FW/FJD/SpD/EnD 1000mL-3000mL	-	-	-	-	-	-	-	-
	Soft Dr/FW/FJD/SpD/EnD >3000mL	-	-	-	-	-	-	-	-
	Fruit juice <150 ml	-	-	-	-	-	-	-	-
	Fruit juice 150-499mL	-	-	-	-	-	-	-	-
	Fruit juice 500-999mL	-	-	-	-	-	-	-	-
	Fruit juice 1000mL-3000mL	-	-	-	-	-	-	-	-
	Fruit juice >3000mL	-	-	-	-	-	-	-	-
	Water <150 ml	-	-	-	-	-	-	-	-
	Water 150-499mL	-	-	-	-	-	-	-	-
	Water 500-999mL	-	-	-	-	-	-	-	-
	Water 1000mL-3000mL	-	-	-	-	-	-	-	-
	Water >3000mL	-	-	-	-	-	-	-	-
	Wine-based/wine cooler <150 ml	-	-	-	-	-	-	-	-
	Wine-based/wine cooler 150-499mL	-	-	-	-	-	-	-	-
	Wine-based/wine cooler 500-999mL	-	-	-	-	-	-	-	-
	Wine-based/wine cooler 1000mL-3000mL	-	-	-	-	-	-	-	-
	Wine-based/wine cooler >3000mL	-	-	-	-	-	-	-	-
CARD	Flav. milk (Cartons) <150 ml	-	-	-	-	-	-	-	-
	Flav. milk (Cartons) 150-499mL	4	1.50	-	-	2	0.02	0.75	0.01
	Flav. milk (Cartons) 500-999mL	-	-	2	1.20	1	0.01	0.60	0.01
	Flav. milk (Cartons) 1000mL-3000mL	-	-	-	-	-	-	-	-

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		Nov-24		May-24		2025FY Total			
		Total Number of Items	Total Volume (l)	Total Number of Items	Total Volume (l)	Average Number of Items	Items /1000m2	Average Volume (l)	Volume (l)/1000m2
CARD	Flav. milk (Cartons) >3000mL	-	-	-	-	-	-	-	-
	Fruit Juice <150 ml	-	-	-	-	-	-	-	-
	Fruit Juice 150-499mL	1	0.38	3	1.13	2	0.02	0.75	0.01
	Fruit Juice 500-999mL	-	-	-	-	-	-	-	-
	Fruit Juice 1000mL-3000mL	-	-	-	-	-	-	-	-
	Fruit Juice >3000mL	-	-	-	-	-	-	-	-
	FW/FW/FJD/SpD/EnD <150 ml	-	-	-	-	-	-	-	-
	FW/FW/FJD/SpD/EnD 150-499mL	-	-	18	6.75	9	0.08	3.38	0.03
	FW/FW/FJD/SpD/EnD 500-999mL	-	-	-	-	-	-	-	-
	FW/FW/FJD/SpD/EnD 1000mL-3000mL	-	-	-	-	-	-	-	-
	FW/FW/FJD/SpD/EnD >3000mL	-	-	-	-	-	-	-	-
	Milk, plain (white) <150 ml	-	-	-	-	-	-	-	-
	Milk, plain (white) 150-499mL	-	-	-	-	-	-	-	-
	Milk, plain (white) 500-999mL	-	-	-	-	-	-	-	-
	Milk, plain (white) 1000mL-3000mL	-	-	-	-	-	-	-	-
	Milk, plain (white) >3000mL	-	-	-	-	-	-	-	-
ANY	Other beverage <150 ml	3	0.36	-	-	2	0.01	0.18	0.00
	Other beverage 150-499mL	-	-	-	-	-	-	-	-
	Other beverage 500-999mL	-	-	5	3.00	3	0.02	1.50	0.01
	Other beverage 1000mL-3000mL	-	-	-	-	-	-	-	-
	Other beverage >3000mL	-	-	-	-	-	-	-	-
FRAGMENTS									
FRAGMENTS	"Hard plastic Size 1 – Small (> 2.5 cm to 8 cm)"	1,178	9.42	1,040	8.32	1,109	10.40	8.87	0.08
	"Hard plastic Size 2 – Medium (> 8 cm to 16 cm)"	266	4.26	413	6.61	340	3.18	5.43	0.05
	"Hard plastic Size 3 – Large (> 16 cm)"	71	2.27	80	2.56	76	0.71	2.42	0.02

		Nov-24		May-24		2025FY Total			
		Total Number of Items	Total Volume (l)	Total Number of Items	Total Volume (l)	Average Number of Items	Items /1000m2	Average Volume (l)	Volume (l)/1000m2
FRAGMENTS	"Soft plastic Size 1 – Small (> 2.5 cm to 8 cm)"	782	6.26	575	4.60	679	6.36	5.43	0.05
	"Soft plastic Size 2 – Medium (> 8 cm to 16 cm)"	273	4.37	264	4.22	269	2.52	4.30	0.04
	"Soft plastic Size 3 – Large (> 16 cm)"	84	2.69	71	2.27	78	0.73	2.48	0.02
FRAGMENTS	"Metal Size 1 – Small (> 2.5 cm to 8 cm)"	193	4.63	178	4.27	186	1.74	4.45	0.04
	"Metal Size 2 – Medium (> 8 cm to 16 cm)"	85	4.08	67	3.22	76	0.71	3.65	0.03
	"Metal Size 3 – Large (> 16 cm)"	18	1.73	22	2.11	20	0.19	1.92	0.02
FRAGMENTS	"Glass Size 1 – Small (> 2.5 cm to 8 cm)"	160	1.28	526	4.21	343	3.22	2.74	0.03
	"Glass Size 2 – Medium (> 8 cm to 16 cm)"	41	0.66	114	1.82	78	0.73	1.24	0.01
	"Glass Size 3 – Large (> 16 cm)"	6	0.19	20	0.64	13	0.12	0.42	0.00
FRAGMENTS	"Paper and Card Size 1 – Small (> 2.5 cm to 8 cm)"	1,201	9.61	870	6.96	1,036	9.71	8.28	0.08
	"Paper and Card Size 2 – Medium (> 8 cm to 16 cm)"	295	4.72	402	6.43	349	3.27	5.58	0.05
	"Paper and Card Size 3 – Large (> 16 cm)"	97	3.10	113	3.62	105	0.98	3.36	0.03
FRAGMENTS	"Rubber Size 1 – Small (> 2.5 cm to 8 cm)"	163	1.30	70	0.56	117	1.09	0.93	0.01
	"Rubber Size 2 – Medium (> 8 cm to 16 cm)"	73	1.17	49	0.78	61	0.57	0.98	0.01
	"Rubber Size 3 – Large (> 16 cm)"	28	0.90	9	0.29	19	0.17	0.59	0.01

		Nov-24		May-24		2025FY Total			
		Total Number of Items	Total Volume (l)	Total Number of Items	Total Volume (l)	Average Number of Items	Items /1000m2	Average Volume (l)	Volume (l)/1000m2
FRAGMENTS	"Polystyrene Size 1 – Small (> 2.5 cm to 8 cm)"	126	3.02	108	2.59	117	1.10	2.81	0.03
	"Polystyrene Size 2 – Medium (> 8 cm to 16 cm)"	32	1.54	45	2.16	39	0.36	1.85	0.02
	"Polystyrene Size 3 – Large (> 16 cm)"	8	0.77	17	1.63	13	0.12	1.20	0.01
FRAGMENTS	"Cloth Size 1 – Small (> 2.5 cm to 8 cm)"	133	1.06	80	0.64	107	1.00	0.85	0.01
	"Cloth Size 2 – Medium (> 8 cm to 16 cm)"	82	1.31	39	0.62	61	0.57	0.97	0.01
	"Cloth Size 3 – Large (> 16 cm)"	47	1.50	22	0.70	35	0.32	1.10	0.01
TOTAL		13,669.00	708.71	11,859	724.51	12,764	119.72	716.61	6.72

6.0 Appendices

Appendix 3

Total Estimated Volume by Item

	Item	Estimated volume (ml)	Estimated volume (l)
PLASTIC	Cigarette butts and filters	2	0.002
	Bag - Dog Poo	200	0.2
	Bag - Fruit/Veg	200	0.2
	Bag - Green Reusable	1000	1
	Bag - Heavy Boutique	1000	1
	Bag - Heavy Supermrkt	1000	1
	Bag - Ice	500	0.5
	Bag -Lightweight shop	200	0.2
	Bag - Mesh Bags	100	0.1
	Bag - Other	200	0.2
	Bread Bag Tags/twist ties	1	0.001
	Cable ties	5	0.005
	Cigarette Lighters	10	0.01
	Cigarette packet cellophane wrap	1.1	0.0011
	Cotton buds/tips	1	0.001
	Cup - Single use	200	0.2
	Cup - Reusable	200	0.2
	Cutlery/chopsticks	10	0.01
	Fishing related	50	0.05
	Food/confect. Wrappers	50	0.05
	Lids - Beverage container lids /caps	20	0.02
	Lids - Plastic cup lid	20	0.02
	Lids -Coffee cup lid	20	0.02
	Lids - Other	20	0.02
	Lollipop Sticks	1	0.001
	Non-Food Bottle	500	0.5
	Non-Food package	500	0.5
	Other Food Package	500	0.5
	Plate/bowl - single use	200	0.2
	Plate/bowl - reusable	200	0.2
	Plastic wrap non-food	200	0.2
	Six pack rings	200	0.2
	Strapping band	200	0.2
	Stirrers	1	0.001
	Straws	5	0.005
	Syringe	10	0.01
	Takeaway food container	500	0.5
	Tape/narrow soft plastic film	50	0.05

	Item	Estimated volume (ml)	Estimated volume (l)
PLASTIC	Tobacco pouch	100	0.1
	Toys	100	0.1
	Whipper snipper cord	5	0.005
METAL	Other plastic item	100	0.1
	Aerosol cans	300	0.3
	Aluminium foil wrap	100	0.1
	Foil takeaway container	500	0.5
	Lids, bottle tops, can ring pulls	2	0.002
GLASS	Other metal item	100	0.1
	Glass jars	375	0.375
PAPER & CARD	Other glass item	200	0.2
	Cigarette packets	100	0.1
	Cup - Coffee cup	200	0.2
	Cup - Other paper cup	200	0.2
	Ice cream wrappers	20	0.02
	Junk mail / free circulars	500	0.5
	Newspaper/Magazine	500	0.5
	Packages & boxes	500	0.5
	Paper bags	300	0.3
	Paper/card food packaging	500	0.5
	Paper tissues/napkin	50	0.05
	Shopper dockets, tickets/receipts	50	0.05
	Other paper & card.	50	0.05
RUBBER	Rubber band/hair tie	5	0.005
	Rubber toy	50	0.05
	Tyre pieces	5	0.005
	Tyres	20000	20
POLY	Other rubber item	100	0.1
	Cups (foam)	200	0.2
	Food pack./clam shells	500	0.5
	Insulation & Packaging	1000	1
CLOTH	Other polystyrene item	500	0.5
	Clothing	1000	1
OTHER	Other cloth item	200	0.2
	Balloons	50	0.05
	Batteries	10	0.01
	Condom	5	0.005
	Construction materials	360	0.36

	Item	Estimated volume (ml)	Estimated volume (l)
OTHER MATERIALS	Cotton buds/tips (non- plastic)	1	0.001
	Cutlery (non-plastic)	10	0.01
	Dog poo	50	0.05
	Electrical wire	10	0.01
	Face mask - disposable	100	0.1
	Face mask - reusable	100	0.1
	Fruit/vegetable/food	200	0.2
	Gum		0
	Ice Cream Stick	0.9	0.0009
	Nappy	500	0.5
	Personal Effects	200	0.2
	Plate/bowl (non-plastic)	200	0.2
	Rope/string	200	0.2
	Sanitary Items	200	0.2
	Stirrers (non-plastic)	2	0.002
	Straw (non-plastic)	5	0.005
	Vape packaging	50	0.05
	Vape pen	50	0.05
	Vehicle parts	50	0.05
	Wet wipes	50	0.05
	Wooden items	100	0.1
	Unknown item	100	0.1
	BEVERAGE CONTAINERS		0
PLASTIC	Drink pouches <150 ml	120	0.12
	Drink pouches 150-499mL	375	0.375
	Drink pouches 500-999mL	600	0.6
	Drink pouches 1000mL-3000mL	1500	1.5
	Drink pouches >3000mL	3500	3.5
	Flav. Milk <150 ml	120	0.12
	Flav. Milk 150-499mL	375	0.375
	Flav. Milk 500-999mL	600	0.6
	Flav. Milk 1000mL-3000mL	1500	1.5
	Flav. Milk >3000mL	3500	3.5
	Soft Dr/FW/FJD/SpD/EnD <150 ml	120	0.12
	Soft Dr/FW/FJD/SpD/EnD 150-499mL	375	0.375
	Soft Dr/FW/FJD/SpD/EnD 500-999mL	600	0.6

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	Item	Estimated volume (ml)	Estimated volume (l)
PLASTIC	Soft Dr/FW/FJD/SpD/EnD 1000mL-3000mL	1500	1.5
	Soft Dr/FW/FJD/SpD/EnD >3000mL	3500	3.5
	Fruit/vegetable juice <150 ml	120	0.12
	Fruit/vegetable juice 150-499mL	375	0.375
	Fruit/vegetable juice 500-999mL	600	0.6
	Fruit/vegetable juice 1000mL-3000mL	1500	1.5
	Fruit/vegetable juice >3000mL	3500	3.5
	Water <150 ml	120	0.12
	Water 150-499mL	375	0.375
	Water 500-999mL	600	0.6
	Water 1000mL-3000mL	1500	1.5
	Water >3000mL	3500	3.5
	White milk <150 ml	120	0.12
	White milk 150-499mL	500	0.5
	White milk 500-999mL	1000	1
	White milk 1000mL-3000mL	2000	2
	White milk >3000mL	3500	3.5
METAL	Beer <150 ml	120	0.12
	Beer 150-499mL	375	0.375
	Beer 500-999mL	600	0.6
	Beer 1000mL-3000mL	1500	1.5
	Beer >3000mL	3500	3.5
	Cider/fruit based <150 ml	120	0.12
	Cider/fruit based 150-499mL	375	0.375
	Cider/fruit based 500-999mL	600	0.6
	Cider/fruit based 1000mL-3000mL	1500	1.5
	Cider/fruit based >3000mL	3500	3.5
	Premixed spirit drinks <150 ml	120	0.12
	Premixed spirit drinks 150-499mL	375	0.375
	Premixed spirit drinks 500-999mL	600	0.6
	Premixed spirit drinks 1000mL-3000mL	1500	1.5
	Premixed spirit drinks >3000mL	3500	3.5
	Soft Dr/FW/FJD/SpD/EnD <150 ml	120	0.12
	Soft Dr/FW/FJD/SpD/EnD 150-499mL	375	0.375
	Soft Dr/FW/FJD/SpD/EnD 500-999mL	600	0.6
	Soft Dr/FW/FJD/SpD/EnD 1000mL-3000mL	1500	1.5
	Soft Dr/FW/FJD/SpD/EnD >3000mL	3500	3.5
	Wine Bladders <150 ml	120	0.12
	Wine Bladders 150-499mL	375	0.375
	Wine Bladders 500-999mL	600	0.6
	Wine Bladders 1000mL-3000mL	1500	1.5
	Wine Bladders >3000mL	3500	3.5

	Item	Estimated volume (ml)	Estimated volume (l)
GLASS	Wine <150 ml	120	0.12
	Wine 150-499mL	375	0.375
	Wine 500-999mL	750	0.75
	Wine 1000mL-3000mL	1500	1.5
	Wine >3000mL	3000	3
	Spirit <150 ml	120	0.12
	Spirit 150-499mL	375	0.375
	Spirit 500-999mL	700	0.7
	Spirit 1000mL-3000mL	1500	1.5
	Spirit >3000mL	3500	3.5
	Premixed spirit drinks <150 ml	120	0.12
	Premixed spirit drinks 150-499mL	375	0.375
	Premixed spirit drinks 500-999mL	600	0.6
	Premixed spirit drinks 1000mL-3000mL	1500	1.5
	Premixed spirit drinks >3000mL	3500	3.5
	Beer <150 ml	120	0.12
	Beer 150-499mL	375	0.375
	Beer 500-999mL	600	0.6
	Beer 1000mL-3000mL	1500	1.5
	Beer >3000mL	3500	3.5
	Cider <150 ml	120	0.12
	Cider 150-499mL	375	0.375
	Cider 500-999mL	600	0.6
	Cider 1000mL-3000mL	1500	1.5
	Cider >3000mL	3500	3.5
	Soft Dr/FW/FJD/SpD/EnD <150 ml	120	0.12
	Soft Dr/FW/FJD/SpD/EnD 150-499mL	375	0.375
	Soft Dr/FW/FJD/SpD/EnD 500-999mL	600	0.6
	Soft Dr/FW/FJD/SpD/EnD 1000mL-3000mL	1500	1.5
	Soft Dr/FW/FJD/SpD/EnD >3000mL	3500	3.5
	Fruit juice <150 ml	120	0.12
	Fruit juice 150-499mL	375	0.375
	Fruit juice 500-999mL	600	0.6
	Fruit juice 1000mL-3000mL	1500	1.5
	Fruit juice >3000mL	3500	3.5
	Water <150 ml	120	0.12
	Water 150-499mL	375	0.375
	Water 500-999mL	600	0.6
	Water 1000mL-3000mL	1500	1.5
	Water >3000mL	3500	3.5

	Item	Estimated volume (ml)	Estimated volume (l)
GLASS	Wine-based/wine cooler <150 ml	120	0.12
	Wine-based/wine cooler 150-499mL	375	0.375
	Wine-based/wine cooler 500-999mL	600	0.6
	Wine-based/wine cooler 1000mL-3000mL	1500	1.5
	Wine-based/wine cooler >3000mL	3500	3.5
CARD	Flav. milk (Cartons) <150 ml	120	0.12
	Flav. milk (Cartons) 150-499mL	375	0.375
	Flav. milk (Cartons) 500-999mL	600	0.6
	Flav. milk (Cartons) 1000mL-3000mL	1500	1.5
	Flav. milk (Cartons) >3000mL	3500	3.5
	Fruit Juice <150 ml	120	0.12
	Fruit Juice 150-499mL	375	0.375
	Fruit Juice 500-999mL	600	0.6
	Fruit Juice 1000mL-3000mL	1500	1.5
	Fruit Juice >3000mL	3500	3.5
	FW/FW/FJD/SpD/EnD <150 ml	120	0.12
	FW/FW/FJD/SpD/EnD 150-499mL	375	0.375
	FW/FW/FJD/SpD/EnD 500-999mL	600	0.6
	FW/FW/FJD/SpD/EnD 1000mL-3000mL	1500	1.5
	FW/FW/FJD/SpD/EnD >3000mL	3500	3.5
	Milk, plain (white) <150 ml	120	0.12
	Milk, plain (white) 150-499mL	375	0.375
	Milk, plain (white) 500-999mL	600	0.6
	Milk, plain (white) 1000mL-3000mL	1500	1.5
	Milk, plain (white) >3000mL	3500	3.5
ANY	Other beverage <150 ml	120	0.12
	Other beverage 150-499mL	375	0.375
	Other beverage 500-999mL	600	0.6
	Other beverage 1000mL-3000mL	1500	1.5
	Other beverage >3000mL	3500	3.5

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	Item	Estimated volume (ml)	Estimated volume (l)
	FRAGMENTS		0
PLASTIC	Hard plastic Size 1 - Small (> 2.5 cm to 8 cm)	8	0.008
	Hard plastic Size 2 - Medium (> 8 cm to 16 cm)	16	0.016
	Hard plastic Size 3 -- Large (> 16 cm)	32	0.032
	Soft plastic Size 1 - Small (> 2.5 cm to 8 cm)	8	0.008
	Soft plastic Size 2 - Medium (> 8 cm to 16 cm)	16	0.016
	Soft plastic Size 3 - Large (> 16 cm)	32	0.032
METAL	Metal Size 1 - Small (> 2.5 cm to 8 cm)	24	0.024
	Metal Size 2 - Medium (> 8 cm to 16 cm)	48	0.048
	Metal Size 3 - Large (> 16 cm)	96	0.096
GLASS	Glass Size 1 - Small (> 2.5 cm to 8 cm)	8	0.008
	Glass Size 2 - Medium (> 8 cm to 16 cm)	16	0.016
	Glass Size 3 - Large (> 16 cm)	32	0.032
CARD	Paper and Card Size 1 - Small (> 2.5 cm to 8 cm)	8	0.008
	Paper and Card Size 2 - Medium (> 8 cm to 16 cm)	16	0.016
	Paper and Card Size 3 - Large (> 16 cm)	32	0.032
RUBBER	Rubber Size 1 - Small (> 2.5 cm to 8 cm)	8	0.008
	Rubber Size 2 - Medium (> 8 cm to 16 cm)	16	0.016
	Rubber Size 3 - Large (> 16 cm)	32	0.032
POLY	Polystyrene Size 1 - Small (> 2.5 cm to 8 cm)	24	0.024
	Polystyrene Size 2 - Medium (> 8 cm to 16 cm)	48	0.048
	Polystyrene Size 3 - Large (> 16 cm)	96	0.096
CLOTH	Cloth Size 1 - Small (> 2.5 cm to 8 cm)	8	0.008
	Cloth Size 2 - Medium (> 8 cm to 16 cm)	16	0.016
	Cloth Size 3 - Large (> 16 cm)	32	0.032

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Appendix 4

Category Classifications: Single Use Plastics and Takeaway Food Packaging

		SINGLE USE PLASTIC	TAKEAWAY FOOD PACKAGING
PLASTIC	Cigarette butts and filters		
	Bag - Dog Poo		
	Bag - Fruit/Veg		
	Bag - Green Reusable		
	Bag - Heavy Boutique	Y	
	Bag - Heavy Supermrkt	Y	
	Bag - Ice		
	Bag - Lightweight shop	Y	
	Bag - Mesh Bags	Y	
	Bag - Other	Y	
	Bread Bag Tags/twist ties		
	Cable ties		
	Cigarette Lighters		
	Cigarette packet cellophane wrap		
	Cotton buds/tips	Y	
	Cup - Single use	Y	Y
	Cup - Reusable		
	Cutlery/chopsticks	Y	Y
	Fishing related		
	Food/confect. Wrappers		Y
	Lids - Beverage container lids /caps		Y
	Lids - Plastic cup lid	Y	Y
	Lids -Coffee cup lid	Y	Y
	Lids - Other	Y	Y
	Lollipop Sticks	Y	Y
	Non-Food Bottle		
	Non-Food package		
	Other Food Package	Y	
	Plate/bowl - single use	Y	Y
	Plate/bowl - reusable		
	Plastic wrap non-food		
	Six pack rings		Y
	Strapping band		
	Stirrers	Y	Y
	Straws	Y	Y
	Syringe		
	Takeaway food container	Y	Y
	Tape/narrow soft plastic film		

		SINGLE USE PLASTIC	TAKEAWAY FOOD PACKAGING
PLASTIC	Tobacco pouch		
	Toys		
	Whipper snipper cord		
	Other plastic item		
METAL	Aerosol cans		
	Aluminium foil wrap		
	Foil takeaway container		Y
	Lids, bottle tops, can ring pulls		Y
	Other metal item		
GLASS	Glass jars		
	Other glass item		
PAPER & CARD	Cigarette packets		
	Cup - Coffee cup	Y	Y
	Cup - Other paper cup		Y
	Ice cream wrappers		Y
	Junk mail / free circulars		
	Newspaper/Magazine		
	Packages & boxes		
	Paper bags		
	Paper/card food packaging		Y
	Paper tissues/napkin		
	Shopper dockets, tickets/receipts		
	Other paper & card.		
RUBBER	Rubber band/hair tie		
	Rubber toy		
	Tyre pieces		
	Tyres		
	Other rubber item		
POLY	Cups (foam)		Y
	Food pack./clam shells	Y	Y
	Insulation & Packaging		
CLOTH	Other polystyrene item		
	Clothing		
	Other cloth item		

		SINGLE USE PLASTIC	TAKEAWAY FOOD PACKAGING
OTHER	Balloons		
	Batteries		
	Condom		
	Construction materials		
	Cotton buds/tips (non- plastic)	Y	
OTHER MATERIALS	Cutlery (non-plastic)	Y	Y
	Dog poo		
	Electrical wire		
	Face mask - disposable		
	Face mask - reusable		
	Fruit/vegetable/food		
	Gum		
	Ice Cream Stick		Y
	Nappy		
	Personal Effects		
	Plate/bowl (non-plastic)	Y	Y
	Rope/string		
	Sanitary Items		
	Stirrers (non-plastic)	Y	Y
	Straw (non-plastic)	Y	Y
	Vape packaging		
	Vape pen		
	Vehicle parts		
	Wet wipes		
	Wooden items		
	Unknown item		

6.0 Appendices

Category Classifications: Beverage Containers – Container Deposit Scheme (CDS) and Non-CDS.

	CONTAINER TYPE	CATEGORY
PLASTIC	Drink pouches <150 ml	NON-CDS
	Drink pouches 150-499mL	NON-CDS
	Drink pouches 500-999mL	NON-CDS
	Drink pouches 1000mL-3000mL	NON-CDS
	Drink pouches >3000mL	NON-CDS
	Flav. Milk <150 ml	NON-CDS
	Flav. Milk 150-499mL	CDS
	Flav. Milk 500-999mL	CDS
	Flav. Milk 1000mL-3000mL	NON-CDS
	Flav. Milk >3000mL	NON-CDS
	Soft Dr/FW/FJD/SpD/EnD <150 ml	NON-CDS
	Soft Dr/FW/FJD/SpD/EnD 150-499mL	CDS
	Soft Dr/FW/FJD/SpD/EnD 500-999mL	CDS
	Soft Dr/FW/FJD/SpD/EnD 1000mL-3000mL	CDS
	Soft Dr/FW/FJD/SpD/EnD >3000mL	NON-CDS
	Fruit/vegetable juice <150 ml	NON-CDS
	Fruit/vegetable juice 150-499mL	CDS
	Fruit/vegetable juice 500-999mL	CDS
	Fruit/vegetable juice 1000mL-3000mL	NON-CDS
	Fruit/vegetable juice >3000mL	NON-CDS
	Water <150 ml	NON-CDS
	Water 150-499mL	CDS
	Water 500-999mL	CDS
	Water 1000mL-3000mL	CDS
	Water >3000mL	NON-CDS
	White milk <150 ml	NON-CDS
	White milk 150-499mL	NON-CDS
	White milk 500-999mL	NON-CDS
	White milk 1000mL-3000mL	NON-CDS
	White milk >3000mL	NON-CDS
METAL	Beer <150 ml	NON-CDS
	Beer 150-499mL	CDS
	Beer 500-999mL	CDS

	CONTAINER TYPE	CATEGORY
METAL	Beer 1000mL-3000mL	CDS
	Beer >3000mL	CDS
	Cider/fruit based <150 ml	NON-CDS
	Cider/fruit based 150-499mL	CDS
	Cider/fruit based 500-999mL	CDS
	Cider/fruit based 1000mL-3000mL	CDS
	Cider/fruit based >3000mL	CDS
	Premixed spirit drinks <150 ml	NON-CDS
	Premixed spirit drinks 150-499mL	CDS
	Premixed spirit drinks 500-999mL	CDS
	Premixed spirit drinks 1000mL-3000mL	CDS
	Premixed spirit drinks >3000mL	CDS
	Soft Dr/FW/FJD/SpD/EnD <150 ml	NON-CDS
	Soft Dr/FW/FJD/SpD/EnD 150-499mL	CDS
	Soft Dr/FW/FJD/SpD/EnD 500-999mL	CDS
	Soft Dr/FW/FJD/SpD/EnD 1000mL-3000mL	CDS
	Soft Dr/FW/FJD/SpD/EnD >3000mL	CDS
	Wine Bladders <150 ml	NON-CDS
	Wine Bladders 150-499mL	NON-CDS
GLASS	Wine Bladders 500-999mL	NON-CDS
	Wine Bladders 1000mL-3000mL	NON-CDS
	Wine Bladders >3000mL	NON-CDS
	Wine <150 ml	NON-CDS
	Wine 150-499mL	NON-CDS
	Wine 500-999mL	NON-CDS
	Wine 1000mL-3000mL	NON-CDS
	Wine >3000mL	NON-CDS
	Spirit <150 ml	NON-CDS
	Spirit 150-499mL	NON-CDS
	Spirit 500-999mL	NON-CDS
	Spirit 1000mL-3000mL	NON-CDS
	Spirit >3000mL	NON-CDS
	Premixed spirit drinks <150 ml	NON-CDS
	Premixed spirit drinks 150-499mL	CDS

	CONTAINER TYPE	CATEGORY
GLASS	Premixed spirit drinks 500-999mL	CDS
	Premixed spirit drinks 1000mL-3000mL	CDS
	Premixed spirit drinks >3000mL	CDS
	Beer <150 ml	NON-CDS
	Beer 150-499mL	CDS
	Beer 500-999mL	CDS
	Beer 1000mL-3000mL	CDS
	Beer >3000mL	CDS
	Cider <150 ml	NON-CDS
	Cider 150-499mL	CDS
	Cider 500-999mL	CDS
	Cider 1000mL-3000mL	CDS
	Cider >3000mL	CDS
	Soft Dr/FW/FJD/SpD/EnD <150 ml	NON-CDS
	Soft Dr/FW/FJD/SpD/EnD 150-499mL	CDS
	Soft Dr/FW/FJD/SpD/EnD 500-999mL	CDS
	Soft Dr/FW/FJD/SpD/EnD 1000mL-3000mL	CDS
	Soft Dr/FW/FJD/SpD/EnD >3000mL	CDS
	Fruit juice <150 ml	NON-CDS
	Fruit juice 150-499mL	CDS
	Fruit juice 500-999mL	CDS
	Fruit juice 1000mL-3000mL	CDS
	Fruit juice >3000mL	NON-CDS
	Water <150 ml	NON-CDS
	Water 150-499mL	CDS
	Water 500-999mL	CDS
	Water 1000mL-3000mL	CDS
	Water >3000mL	CDS
	Wine-based/wine cooler <150 ml	NON-CDS
	Wine-based/wine cooler 150-499mL	CDS
	Wine-based/wine cooler 500-999mL	CDS
	Wine-based/wine cooler 1000mL-3000mL	CDS
	Wine-based/wine cooler >3000mL	CDS

	CONTAINER TYPE	CATEGORY
CARD	Flav. milk (Cartons) <150 ml	NON-CDS
	Flav. milk (Cartons) 150-499mL	CDS
	Flav. milk (Cartons) 500-999mL	CDS
	Flav. milk (Cartons) 1000mL-3000mL	NON-CDS
	Flav. milk (Cartons) >3000mL	NON-CDS
	Fruit Juice <150 ml	NON-CDS
	Fruit Juice 150-499mL	CDS
	Fruit Juice 500-999mL	CDS
	Fruit Juice 1000mL-3000mL	NON-CDS
	Fruit Juice >3000mL	NON-CDS
	FW/FW/FJD/SpD/EnD <150 ml	NON-CDS
	FW/FW/FJD/SpD/EnD 150-499mL	CDS
	FW/FW/FJD/SpD/EnD 500-999mL	CDS
	FW/FW/FJD/SpD/EnD 1000mL-3000mL	CDS
	FW/FW/FJD/SpD/EnD >3000mL	NON-CDS
ANY	Milk, plain (white) <150 ml	NON-CDS
	Milk, plain (white) 150-499mL	NON-CDS
	Milk, plain (white) 500-999mL	NON-CDS
	Milk, plain (white) 1000mL-3000mL	NON-CDS
	Milk, plain (white) >3000mL	NON-CDS
	Other beverage <150 ml	NON-CDS
	Other beverage 150-499mL	NON-CDS
	Other beverage 500-999mL	NON-CDS
	Other beverage 1000mL-3000mL	NON-CDS
	Other beverage >3000mL	NON-CDS