

Australian Litter Measure

LITTER SURVEY *Perth Metropolitan Area* 2025 – 2026

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 26. To date, nine bi-annual surveys have been completed using this method and this report includes the full results of the November 25 and May 26 surveys, as well as a preliminary overview of trends/patterns seen across the nine surveys completed to date.

For 2025/26, across 107,114 square metres surveyed, an average of 11,882 items of litter were counted, with a calculated volume of 829.95 litres.

Cigarette Butts and filters were again 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, findings were similar to the previous year with **Main Roads** sites containing the highest litter by count and **Industrial** with the highest litter by volume. **Beaches** again had the lowest litter levels by raw count and volume. **Plastic** represented the highest material found by count (57%) and volume (26%).

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 two-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 25 and May 26 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 25 and May 26, 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.

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 **aqua headers/tables** contain data for November 25 and **orange headers/tables** contain data for May 26. Figures referenced as 2025/26 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
2025/26	107,114	11,882	110.92	829.95	7.75
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

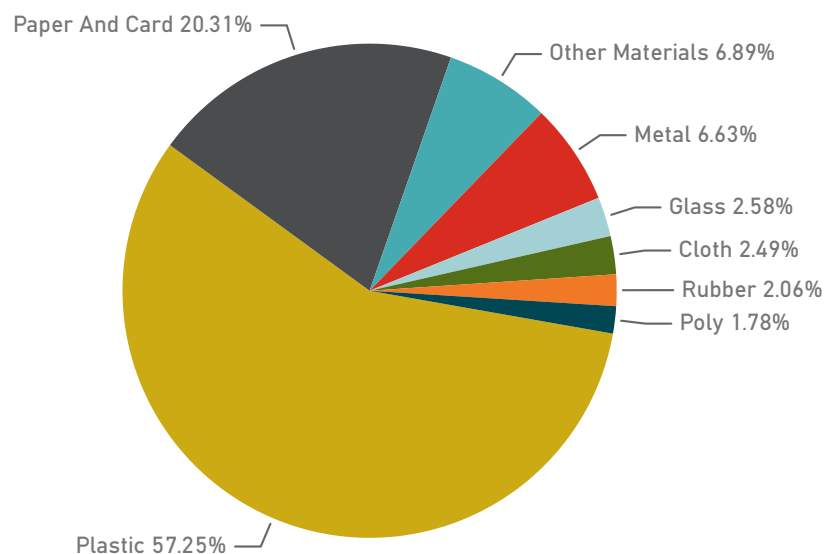
Aggregated litter data by site type for 2025/26 year is provided below, with more detailed commentary on the individual survey periods provided later in this section.

Summary Data by Site Type - 2025/26					
Site Type	Total Area Surveyed	Total Litter Items	Litter Items /1000m2	Total Litter Volume (l)	Litter Volume /1000m2
Beach	7,281.15	191	26.16	15.53	2.13
Retail	14,174.20	2,810	198.21	139.30	9.83
Residential	36,129.28	1,428	39.51	104.86	2.90
Industrial	19,501.30	3,329	170.71	304.45	15.61
Park	11,770.50	793	67.37	40.91	3.48
Main Road	18,257.50	3,332	182.50	224.91	12.32
TOTAL	107,113.92	11,882	110.92	829.95	7.75

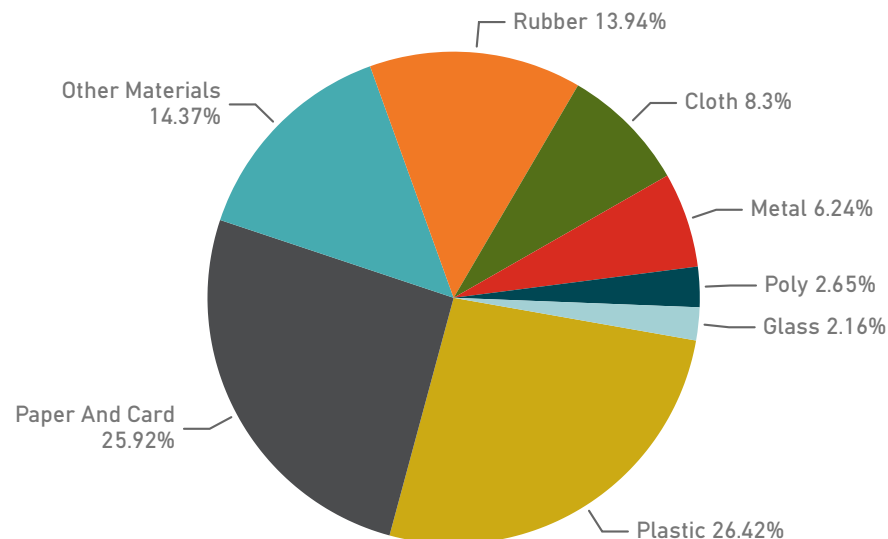
2.0 Overall Litter Data

- Consistent with the last two years annual reports, the top litter items by count in 2025/26 were **Cigarette butts and filters**, followed by **Paper and card fragment – small**, and **Hard plastic fragment – small**.
- By volume, **Paper and card food packaging** was the largest contributor, followed by **Tyres**, and **Construction Materials**.
- By raw count **Main Roads** were the highest littered site, with **Industrial** a very close second (with just three items between them). Once figures are normalised to account for the varying square metres surveyed, **Retail** moves into first place by count, ahead of **Main Roads**. From a volume perspective **Industrial** sites contain the highest litter levels, on both a raw and normalised basis.
- Of all litter items counted in 2025/26, 57% were made of **Plastic** (including Hard Plastic, Soft Plastic and Fragments). From a volume perspective, **Plastic** items accounted for just over 26% of the litter, with **Paper and Card** the second largest contributor, at just under 26% 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	2,405
Paper and Card Size 1 – Small (> 2.5 cm to 8 cm)	1,002
Hard plastic Size 1 – Small (> 2.5 cm to 8 cm)	995
Soft plastic Size 1 – Small (> 2.5 cm to 8 cm)	731
Food/confect. Wrappers	651
Paper and Card Size 2 – Medium (> 8 cm to 16 cm)	329
Hard plastic Size 2 – Medium (> 8 cm to 16 cm)	311
Paper tissues/napkin	299
Lids - Beverage container lids/caps	266
Soft plastic Size 2 – Medium (> 8 cm to 16 cm)	259
Lids, bottle tops, can ring pulls	256
Paper/card food packaging	232
Shopper dockets, tickets/receipts	229
Glass Size 1 – Small (> 2.5 cm to 8 cm)	222
Tape/narrow soft plastic film	206

Top 15 Items by Volume	
Item	Volume
Paper/card food packaging	115.75
Tyres	110.00
Construction materials	58.50
Clothing	54.50
Non-Food package	33.75
Food/confect. Wrappers	32.55
Rope/string	17.90
Other Food Package	16.75
Paper tissues/napkin	14.93
Fruit/vegetable/food	14.40
Other plastic item	13.75
Packages & boxes	13.75
Aluminium foil wrap	12.30
Other metal item	12.15
Takeaway food container	11.75

2.0 Overall Litter Data

Period Litter Data and Key Findings

Some key findings of the distinct survey periods of November 25 and May 26 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 – 2025/26					
	Total Area Surveyed	Total Litter Items	Litter Items /1000m2	Total Litter Volume (l)	Litter Volume (l)/1000m2
May 26	106,481.24	11,992	112.62	675.08	6.34
November 25	107,746.60	11,771	109.25	984.82	9.14

- In November 25, **Industrial** sites had the highest litter level by both raw count (3,335) and volume (389.79 litres). **Main Road** sites were second highest in both raw count (3,204 items) and volume (257.63 litres). Once figures are normalised, **Retail** moves into the top spot from a count perspective, but **Industrial** and **Main Roads** remain first and second by volume. Nine of the 57 sites across six locations surveyed during this period contained greater than 430 items. A tenth site (**Residential**) had a count of more than 400 items. It is notable that the top 10 sites by count were all Retail, Main Road or Industrial sites, except for the one Residential outlier.
- In the May 26 survey, **Main Road** sites recorded the highest litter by raw count (3,460 items), with **Industrial** sites recording the highest volume (219.11 litres). Whilst the litter count at **Industrial** sites remained relatively stable between November 25 and May 26, the calculated volume dropped significantly, linked to reduced levels recorded of larger items such as **Tyres** and **Construction Materials**.
- Beaches** and **Parks** continue to record the lowest litter levels on a raw basis, together accounting for just 7.54% of the total litter items by count and 7.05% by volume in November 25, and 8.99% of the total litter items by count and 6.39% of the volume in May 26. The impact of normalisation means some adjustments are seen when the square metres surveyed is taken into account. In November 25, **Parks** moves up ahead of **Residential** by normalised count and volume, and although the same move upwards occurs in May 26 for normalised count, the normalised volume remains second lowest only slightly ahead of **Beach**.
- Consistent with all previous AusLM litter surveys completed in Perth, **Cigarette butts and filters** were the highest item by count in both November 25 and May 26. In November 25, total **Cigarette butts and filters** counted were 2,404 (down from November 24 at 3,217), accounting for 20.42% of the total items or 0.49% of the total volume. In May 26, total **Cigarette butts**

2.0 Overall Litter Data

and filters counted were 2,405 (compared to May 25 at 2,227), accounting for 20.05% of total items of 0.71% of total volume. They were consistently highly concentrated in **Retail, Main Road** and **Industrial** sites, with those locations accounting for greater than 87% of the **Cigarette butts and filters** recorded in the 2025/26 survey periods.

- As a category, **Fragments** made up a significant portion of litter, totalling 4,629 items across all sizes and categories in November 25, to make up 39.32% of total litter items, and 5,206 individual items in May 26 (43.41% of total litter items). **Plastic** dominated in terms of the source materials. In November 25 **Plastic** accounted for 2,219 or 47.94% of the total fragments. When this number is further divided into two categories of **Hard Plastic** (1,258 items) and **Soft Plastic** (961 items), then the only other material with more individual items counted in November 25 is **Paper and Card** (1,353 items). While the May 26 survey also had a high count of **Paper and Card** (1,465), **Hard plastic fragments** were the most counted item at 1,493, with a further 1,233 **Soft Plastic fragments**. When combined, **Plastic** therefore accounting for 52.36% of the total fragments observed in May 26.
- In November 25, the **Takeaway food packaging** category represented 15.98% of total items and 21% of the volume. May 26 shows very similar figures of 14.77% of total items and 25.39% of total volume. Consistent with the previous two years of surveys, the top items by count within this category for both November 25 and May 26 were **Food and confectionary wrappers**, followed by **Lids - Beverage container lids /caps** (plastic). By volume, **Paper and card food packaging** represented the highest contributor within this category for both survey periods.

2.0 Overall Litter Data

TOP LITTER ITEM BY COUNT AND SITE TYPE – NOVEMBER 25



TOP LITTER ITEM BY COUNT AND SITE TYPE – MAY 26



TOP LITTER ITEM BY VOLUME AND SITE TYPE – NOVEMBER 25



TOP LITTER ITEM BY VOLUME AND SITE TYPE – MAY 26



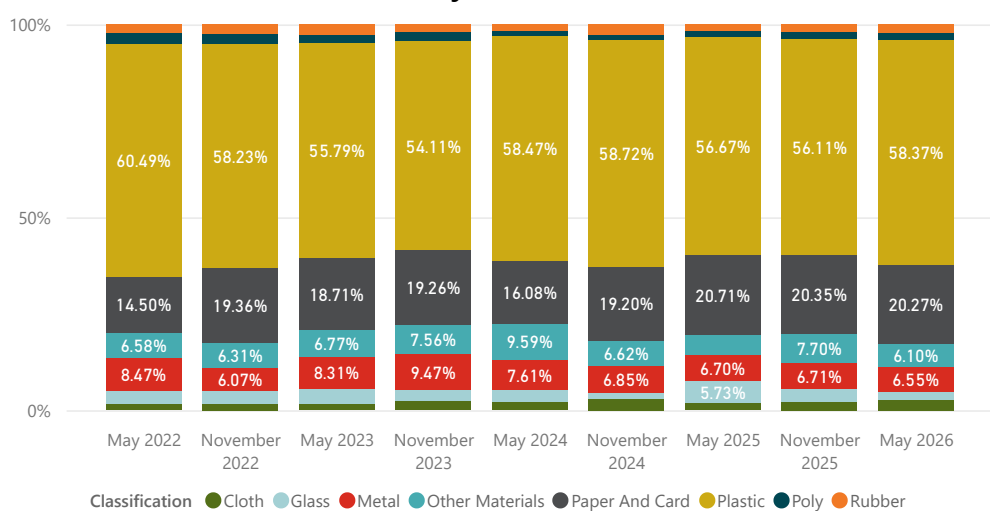
2.0 Overall Litter Data

Comparison with Previous Periods

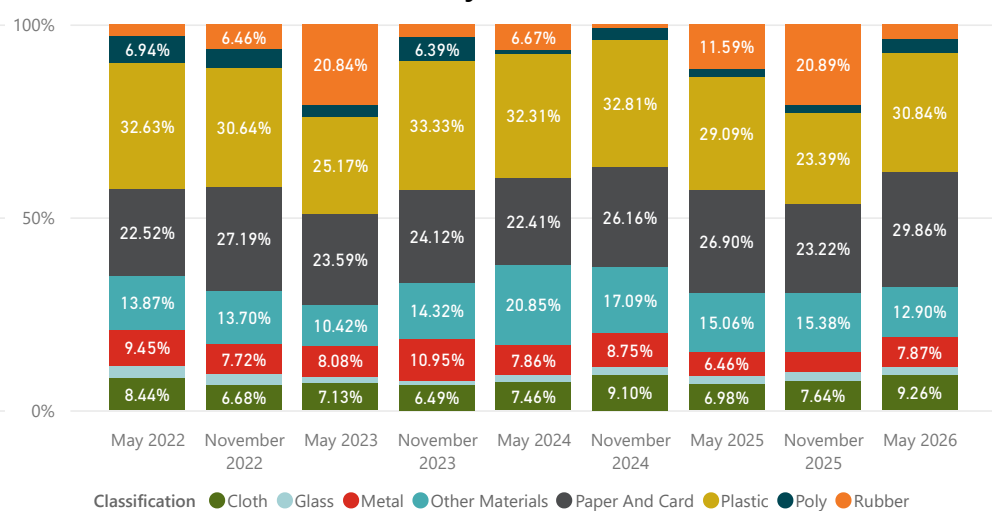
- The AusLM litter survey method has now been in use in the Perth metropolitan area since 2022. Initial trends between periods have been summarised below. It is noted there was nothing outstanding about seasonal weather that could be found to have any noticeable effect on the findings of the 2025/26 surveys.
- Referring to the **Litter Count/Volume by Source Material %**, the composition of source material of litter hasn't moved drastically in terms of percentages. There is a -2.12% reduction in the proportion of **Plastic** items since 2022, but across the board **Plastic** has consistently accounted for more than 55% of the litter surveyed. The largest consistent change in percentage of source material is **Paper and card**, which increased from 14.50% of items counted in May 22, to 20.27% in May 26.
- **Total Litter Items/Volume by Period** and **Total Litter Items/Volume by Period %** show the raw and proportionate trends of **Fragments, Cigarette butts and filters** and **All other items**. As highlighted in the Total Litter Items by Period graph, when comparing the period data for the nine surveys completed to date, there remains a notable reduction in total items counted (-6,253 between May 22 and May 26), however this is almost identical when compared to May 25 (-6,386). When looking at May 25 and May 26 side by side there was an increase of 57 **All other items**, 178 more individual **Cigarette Butt and filters**, and 12 more **Fragments**. However, November 25 tells a drastically different story when compared to November 24, showing a drop of 272 across **All other items**, 813 less **Cigarette Butt and filters**, and 813 less **Fragments**. There aren't any contributing factors that can easily be identified as to what drove this trend between periods.
- As the most highly littered item, surveyors reported at times the surveys felt like a dedicated exercise in counting **Cigarette butt and filters**. It is noted that subsequent to initial drop from the count of 4,010 in May 2022, the level has stayed consistent over May 23 (2,751), May 24 (2,225), May 25 (2,227), to May 26 (2,405). No significant change in behaviour can be seen over the last few years, and in fact steady levels of **Cigarette butt and filters** are now coexisting alongside an uptick in **Vape and vape packaging** litter.
- Overall, last three years of surveys has shown neither drastic improvement, nor severe worsening of the litter around the survey sites and locations of Perth.

2.0 Overall Litter Data

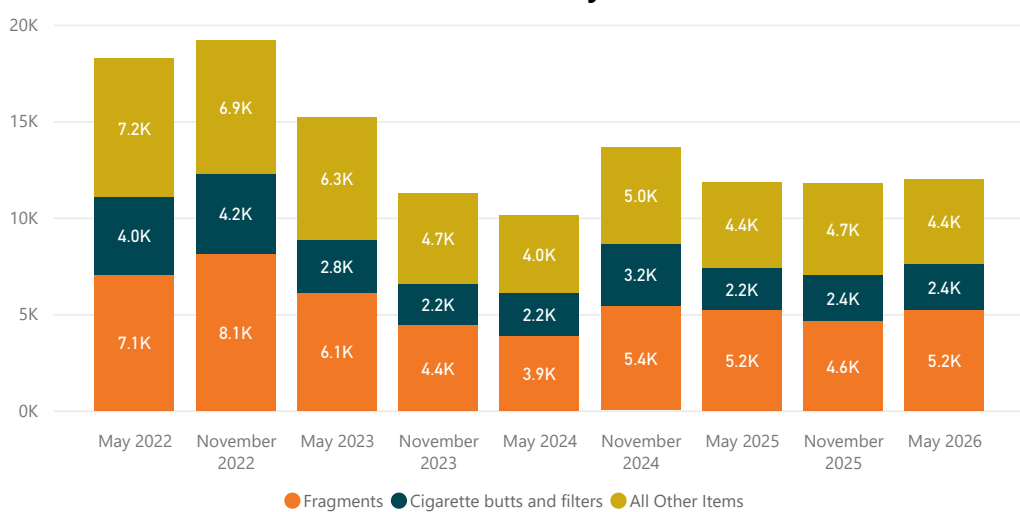
Litter Count by Source Material (%)



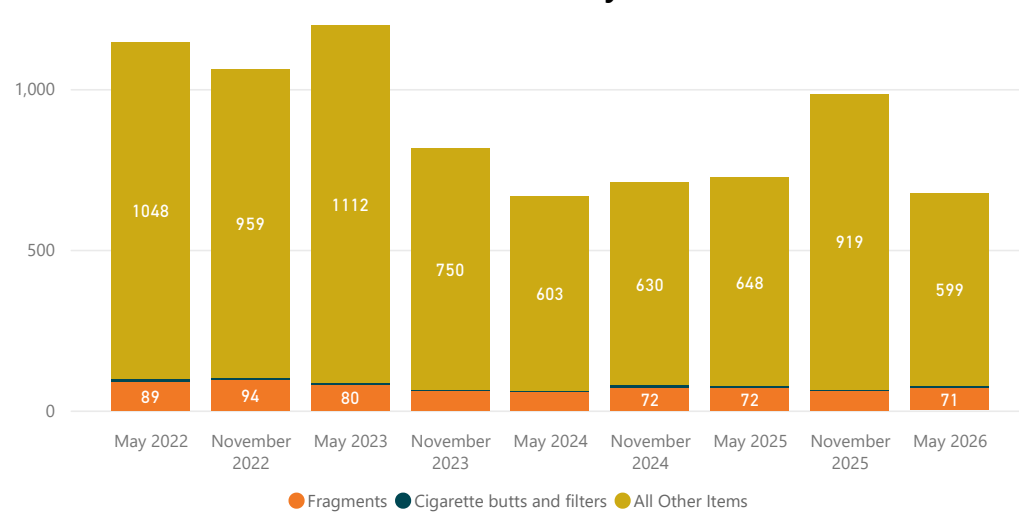
Litter Volume by Source Material (%)



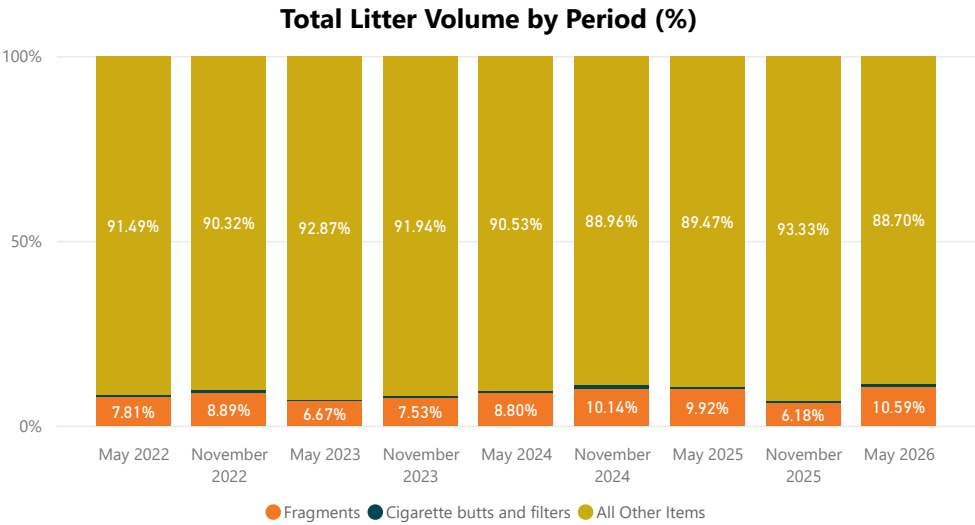
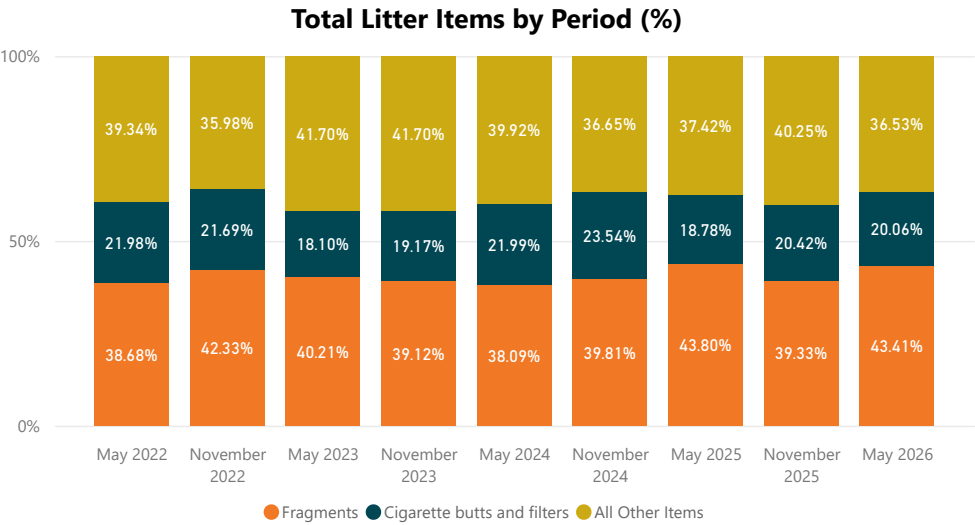
Total Litter Items by Period



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 36,000 square meters covered in the 2025/26 surveys. **Residential** sites consist of variable widths, defined as road’s edge to property boundary, meaning transect widths of up to 9 metres were surveyed, with an average width of 6.05 metres. **Beach** sites were the smallest area surveyed, with an average of 7,281 square meters covered in the 2025/26 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 6 metres, the length of some beach transects was at times quite short, with the average beach transect length totalling 35.71 metres.

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 by Site Type** section.

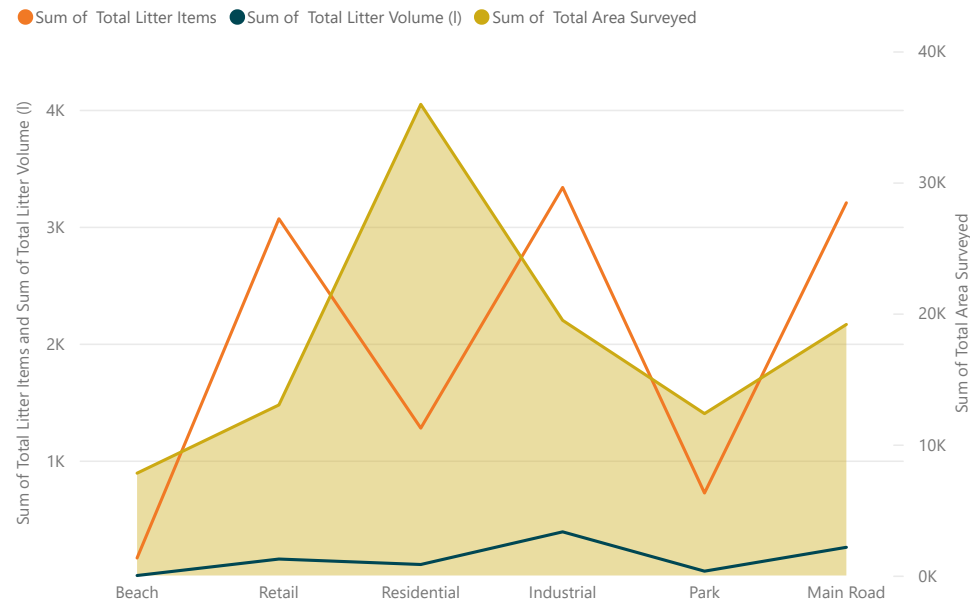
Litter Data by Site Type - November 25					
Site Type	Total Area Surveyed	Total Litter Items	Litter Items /1000m ²	Total Litter Volume (l)	Litter Volume /1000m ²
Beach	7,806.90	166.00	21.26	16.29	2.09
Retail	13,013.95	3,067.00	235.67	157.16	12.08
Residential	35,948.55	1,277.00	35.52	110.49	3.07
Industrial	19,470.00	3,335.00	171.29	389.79	20.02
Park	12,352.20	722.00	58.45	53.46	4.33
Main Road	19,155.00	3,204.00	167.27	257.63	13.45
Total	107,746.60	11,771	109.25	984.82	9.14

3.0 Litter Data by Site Type

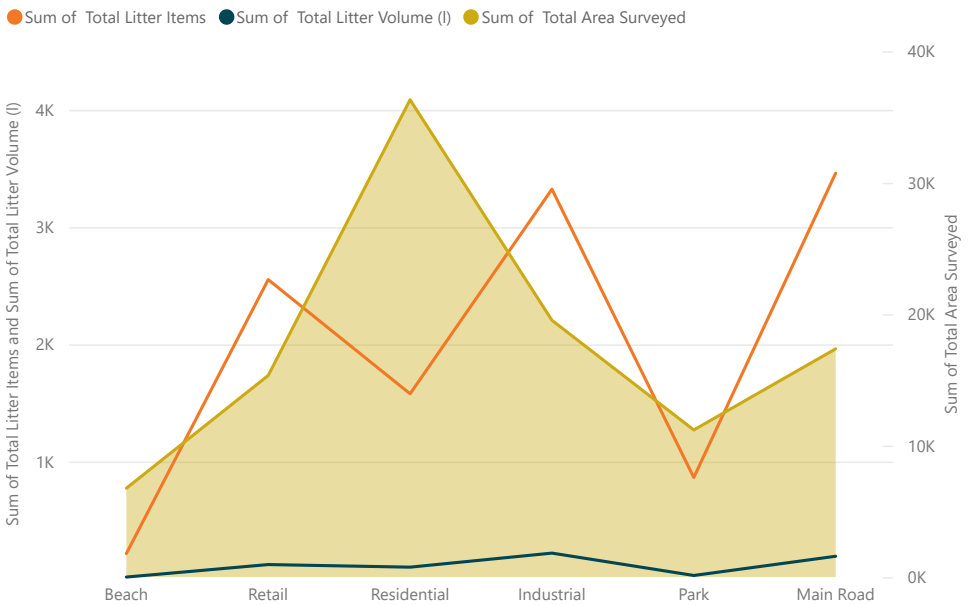
Litter Data by Site Type - May 26					
Site Type	Total Area Surveyed	Total Litter Items	Litter Items /1000m2	Total Litter Volume (l)	Litter Volume /1000m2
Beach	6,755.40	215	31.83	14.77	2.19
Retail	15,334.44	2,552	166.42	121.44	7.92
Residential	36,310.00	1,578	43.46	99.23	2.73
Industrial	19,532.60	3,323	170.13	219.11	11.22
Park	11,188.80	864	77.22	28.35	2.53
Main Road	17,360.00	3,460	199.31	192.18	11.07
Total	106,481.24	11,992	112.62	675.08	6.34

The below **Area Surveyed to Litter Items and Volume** graphs highlight the difference in total square metres surveyed, between the six separate site types. It confirms the importance of considering the normalised figures; as higher square meterage of a site does not always correlate with higher litter count/volume.

Area Surveyed to Litter Items and Volume - November 25

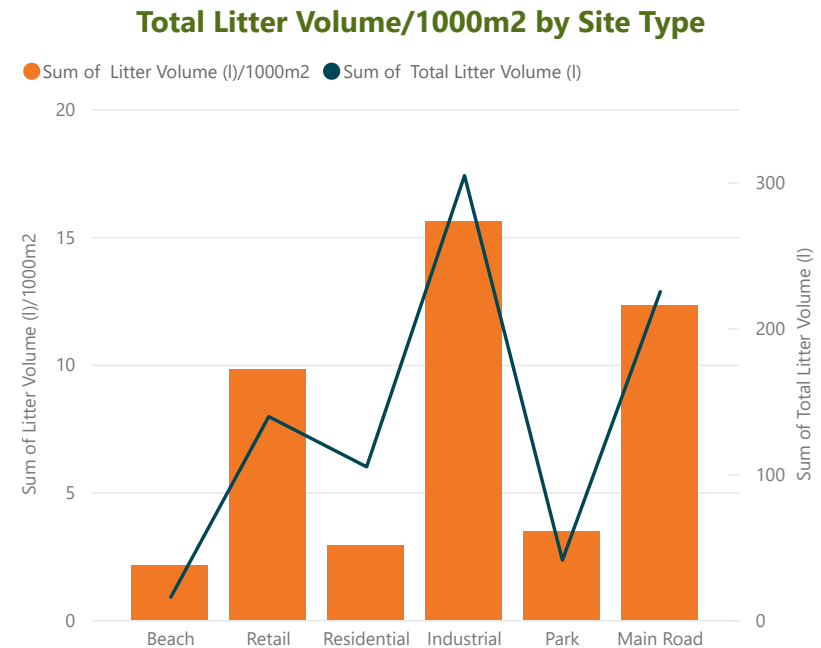
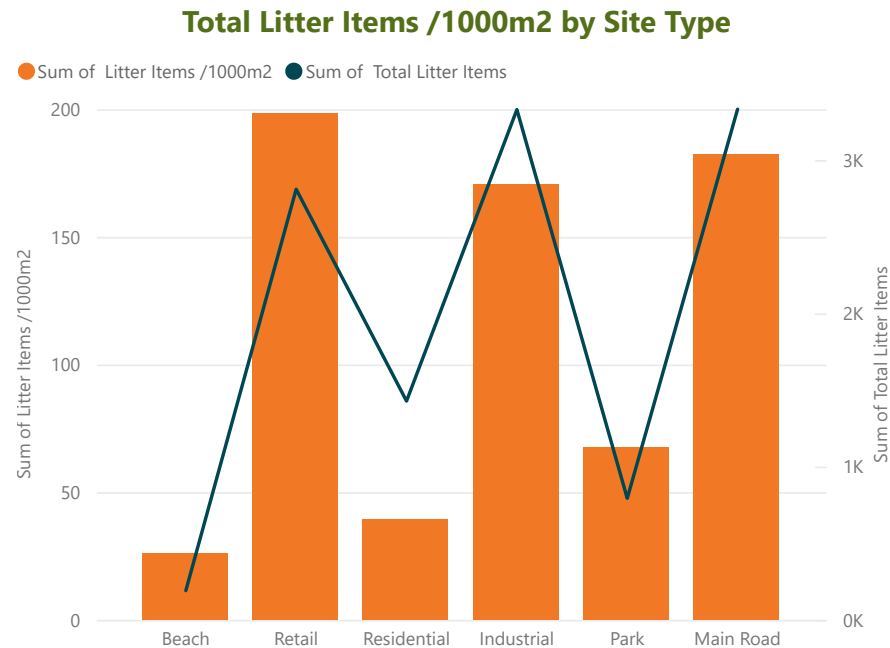


Area Surveyed to Litter Items and Volume - May 26



3.0 Litter Data by Site Type

Normalised Litter Data by Site Type

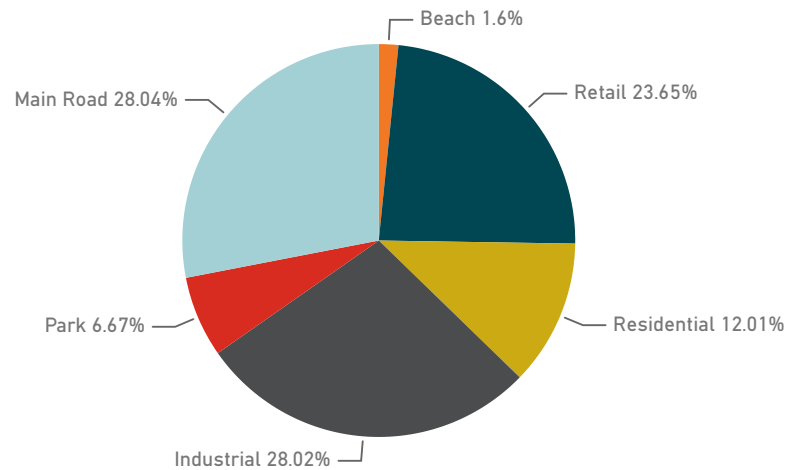


Raw litter information (# of items and calculated volume) has been normalised, to adapt to the fluctuating absolute square meters surveyed across each site type, and to allow more exact examinations of litter density. Normalising the findings included increasing the complete litter items and volume over 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.

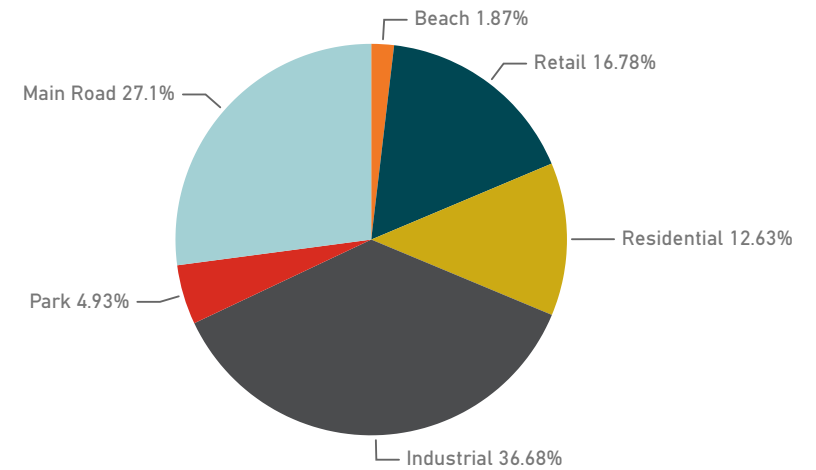
When normalised, there are a few interesting changes to the perceived density of litter. On a raw basis, **Retail** comes in an easy third place by count, well below **Main Roads** and **Industrial**. However, once the figures are normalised, **Retail** moves into first place of number of Litter Items/1000m2. This can be explained by the lower square meters surveyed in **Retail** and indicates that the litter density at **Retail** sites is higher than at **Industrial** and **Main Roads**. Conversely, once the normalised figures are reviewed, it becomes apparent the litter density at **Residential** sites is lower than the raw numbers indicate, a product of the significantly high square metres surveyed at this site type (~36,000 square metres).

3.0 Litter Data by Site Type

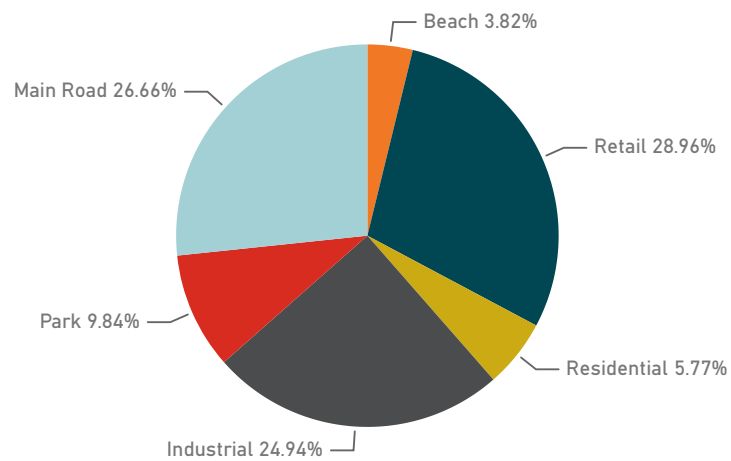
Raw Litter Items by Site Type



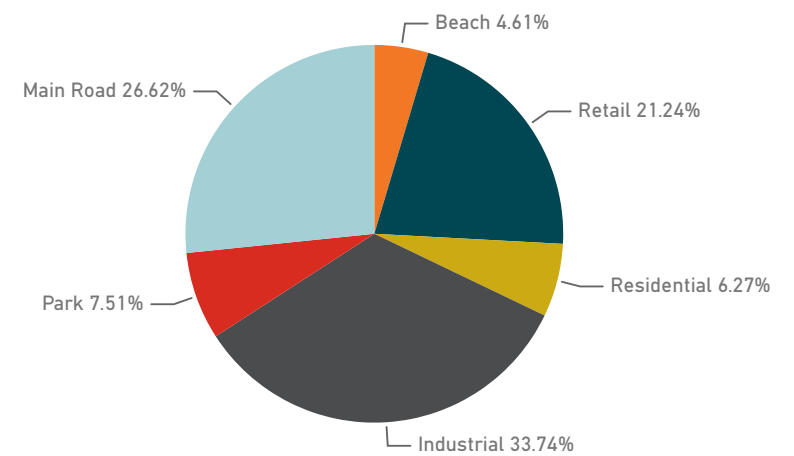
Raw Litter Volume by Site Type



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 25	May 26
Total Number of Items - (#)	166	215
Total Volume of Items- (l)	16.29	14.77
Items /1000m2	21.26	31.83
Volume (l)/1000m2	2.09	2.19
Highest Site Litter Count - Number (#)	50	56
Highest Site Litter Count - Volume (l)	7.46	5.48
Lowest Site Litter Count - Number (#)	0	4
Lowest Site Litter Count - Volume (l)	0	0.43

	Raw	Normalised
Site type count as a % of total items	1.60%	3.82%
Site type volume as a % of total volume	1.87%	4.61%

TOP ITEM
BY COUNT
NOVEMBER 25
16
FOOD/CONFECTION
WRAPPERS

TOP ITEM
BY VOLUME (L)
NOVEMBER 25
3L
CLOTHING

TOP ITEM
BY COUNT
MAY 26
35
HARD PLASTIC
(SMALL)

TOP ITEM
BY VOLUME (L)
MAY 26
3.6L
FRUIT/VEGETABLE/
FOOD

Common Site Features/Observations

Beaches are a unique site, as often there are dunes 'behind' the area being surveyed. As a result, it is a requirement for dunes to be searched up to two meters into the dunes, or if there is an engineered structure like sandbagging. This can be a focal point for litter to collect in dune flora, however, **Beaches** are routinely noted as being the least littered site overall.

Beaches are an area that are often adopted by the community 'Adopt-a-Spot' campaigns, and locally organised clean-ups are arranged at beach locations. This is a natural educational location, as well as being an attraction for before/after an event. Local beach go-ers will often perform a litter pick up if they frequent the area.

While there was no comments made about any of the sites being recently cleaned, it is noted that there was one incident of a large site recording a zero count of litter in November 25, and over the survey period there were only three sites that recorded more than 50 litter items total for all transects, with the highest number being 56.

One location surveyed appeared to have had some recent sand replenishment, which was a source of gravel and hard plastic fragments.

3.0 Litter Data by Site Type

Site Type Summary – Retail

SITE SNAPSHOT		
	November 25	May 26
Total Number of Items - (#)	3,067	2,552
Total Volume of Items- (l)	157.16	121.44
Items /1000m2	235.67	166.42
Volume (l)/1000m2	12.08	7.92
Highest Site Litter Count - Number (#)	857	610
Highest Site Litter Count - Volume (l)	41.72	28.10
Lowest Site Litter Count - Number (#)	53	120
Lowest Site Litter Count - Volume (l)	5.09	5.35

	Raw	Normalised
Site type count as a % of total items	23.65%	28.96%
Site type volume as a % of total volume	16.78%	21.24%



Common Site Features/Observations

On an annual, normalised basis, **Retail** sites accounted for the 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 45.66% of total litter items at this site type.

Café/restaurant tables were recorded at more than 50% of the transects, which would be an indicator for the number of paper tissues/napkins recorded (fourth highest item at 112 in May 26 and fifth at 99 in November 25).

Rubbish bins were commonly noted, also recorded at over 50% of the Retail transects surveyed in the year, which is not indicative of the cleanliness of the sites.

Garden beds or raised planters were often recorded, which are typically a site of intentional littering of cigarette butts.

3.0 Litter Data by Site Type

Site Type Summary – Residential

SITE SNAPSHOT		
	November 25	May 26
Total Number of Items - (#)	1,277	1,578
Total Volume of Items- (l)	110.49	99.23
Items /1000m2	35.52	43.46
Volume (l)/1000m2	3.07	2.73
Highest Site Litter Count - Number (#)	408	606
Highest Site Litter Count - Volume (l)	31.67	36.90
Lowest Site Litter Count - Number (#)	35	54
Lowest Site Litter Count - Volume (l)	2.50	1.56

	Raw	Normalised
Site type count as a % of total items	12.01%	5.77%
Site type volume as a % of total volume	12.63%	6.27%



Common Site Features/Observations

Residential sites accounted for the largest area surveyed. However, the total item count does not correlate with size, 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, similar to last year, **Residential** drops into fifth 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.

Residential sites have shown over multiple surveys to be generally low in litter, although a limited number of outlier sites drag up the aggregated data. Eight of the ten sites record less than 150 items in each survey (November 25 and May 26), with the highest site recording 408, and 606 items respectively.

3.0 Litter Data by Site Type

Site Type Summary – Industrial

SITE SNAPSHOT		
	November 25	May 26
Total Number of Items - (#)	3,335	3,323
Total Volume of Items- (l)	389.79	219.11
Items /1000m2	171.29	170.13
Volume (l)/1000m2	20.02	11.22
Highest Site Litter Count - Number (#)	700	706
Highest Site Litter Count - Volume (l)	131.14	40.56
Lowest Site Litter Count - Number (#)	84	72
Lowest Site Litter Count - Volume (l)	9.07	2.33

	Raw	Normalised
Site type count as a % of total items	28.02%	24.94%
Site type volume as a % of total volume	36.68%	33.74%



Common Site Features/Observations

Waste bins were only recorded at one of ten **Industrial** sites.

Use of **Industrial** verge areas for parking vehicles was also frequently noted, with some verges now paved and formally lined and painted for dedicated parking. Alternately, there are also tendencies for higher grass/growth areas around fencing that can obscure smaller fragments of litter.

It is notable here that **Fragments – soft plastic size 3 – Large (>16cm)** may not capture the full scale of the volume of some of the singular pieces of large soft plastic in these locations. November 25 captured 43 items (volume 1.38L), and May 26 had a count of 86 (volume 2.75L). There is not currently an option for extra-large fragments of soft plastic in the survey methodology to account for large soft plastic fragments in these areas being from pallet shrink wrap or similar.

During the 2025/26 survey there were three occurrences of 'hard rubbish' which was subsequently excluded from the site survey data. There were also two incidences where large items including a skip bin or a shipping container took up several square meters of the site.

During this survey period there was one Health and Safety concern raised due to the occupational noise of works being conducted in the area.

3.0 Litter Data by Site Type

Site Type Summary –Park

SITE SNAPSHOT		
	November 25	May 26
Total Number of Items - (#)	722	864
Total Volume of Items- (l)	53.46	28.35
Items /1000m2	58.45	77.22
Volume (l)/1000m2	4.33	2.53
Highest Site Litter Count - Number (#)	237	287
Highest Site Litter Count - Volume (l)	16.08	11.76
Lowest Site Litter Count - Number (#)	10	21
Lowest Site Litter Count - Volume (l)	0.39	0.78

	Raw	Normalised
Site type count as a % of total items	6.67%	9.84%
Site type volume as a % of total volume	4.93%	7.51%



Common Site Features/Observations

Parks contained the second lowest raw litter levels for both count and volume in both survey periods. This has been a consistent position, since these AusLM surveys commenced in May 2022. When data is normalised, the site climbs to fourth position, above **Residential**.

Waste bins were observed at all of the ten park sites surveyed.

Parks were the most common site to be affected by mowing, which can subsequently result in higher fragments of various source materials being counted. There were three sites that were noted to have been recently mowed during this period.

One site was noted to be used heavily as a dog park, which was reflected in the elevated number of dog excrement, as well as rubber (toy) fragments being counted in the transects.

3.0 Litter Data by Site Type

Site Type Summary – Main Road

SITE SNAPSHOT		
	November 25	May 26
Total Number of Items - (#)	3,204	3,460
Total Volume of Items- (l)	257.63	192.18
Items /1000m2	167.27	199.31
Volume (l)/1000m2	13.45	11.07
Highest Site Litter Count - Number (#)	842	668
Highest Site Litter Count - Volume (l)	65.12	39.79
Lowest Site Litter Count - Number (#)	64	47
Lowest Site Litter Count - Volume (l)	7.35	2.66

	Raw	Normalised
Site type count as a % of total items	28.04%	26.66%
Site type volume as a % of total volume	27.10%	26.62%



Common Site Features/Observations

For the 2025/26 survey, **Main Roads** contained the highest raw count litter levels (second highest when normalised), and second highest by volume (raw and normalised).

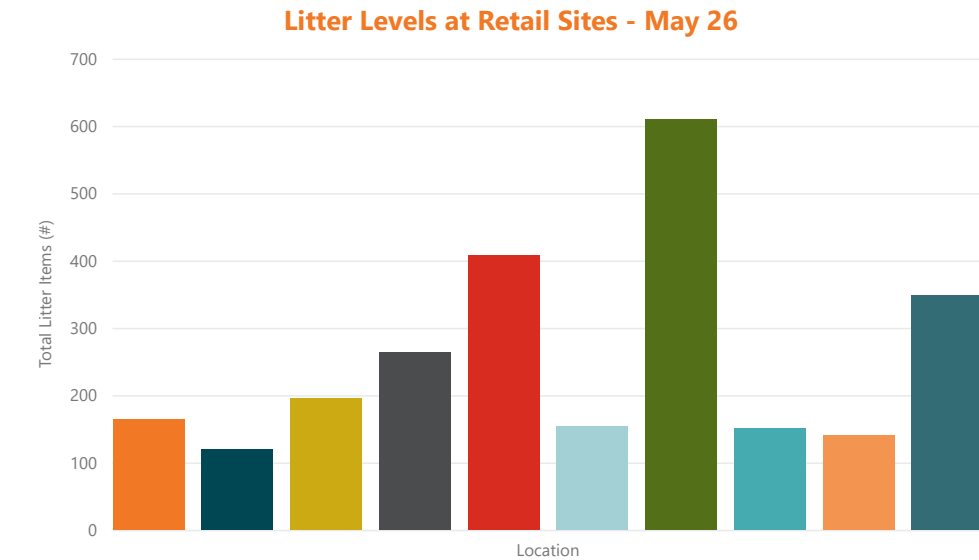
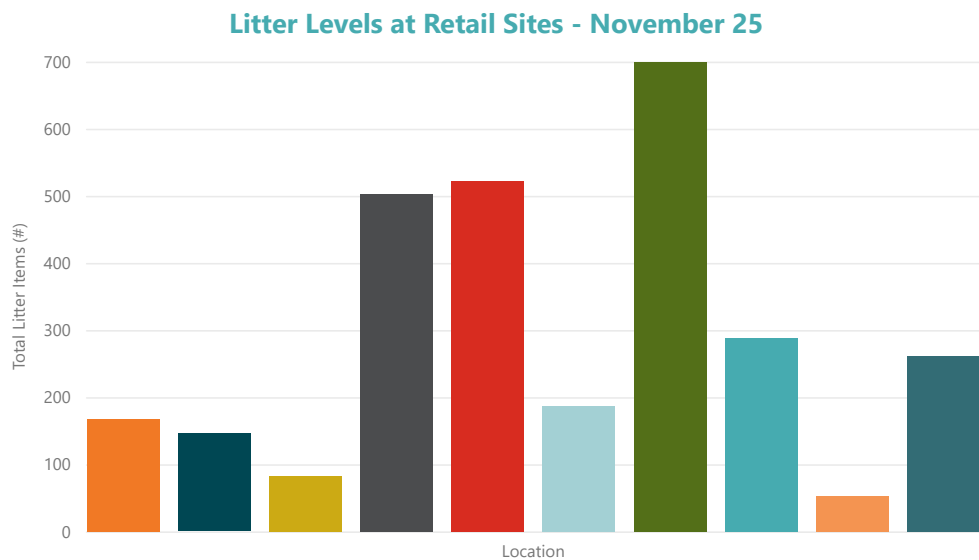
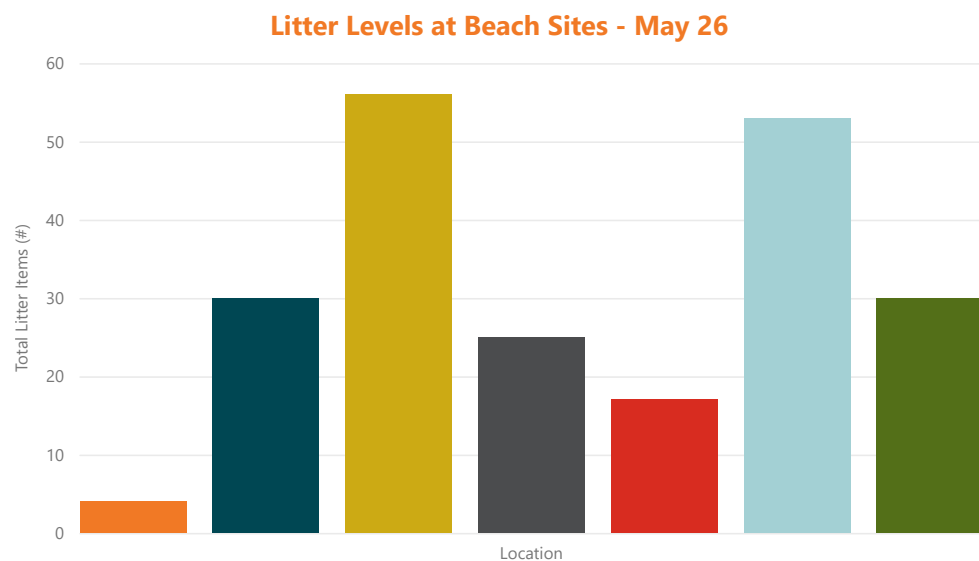
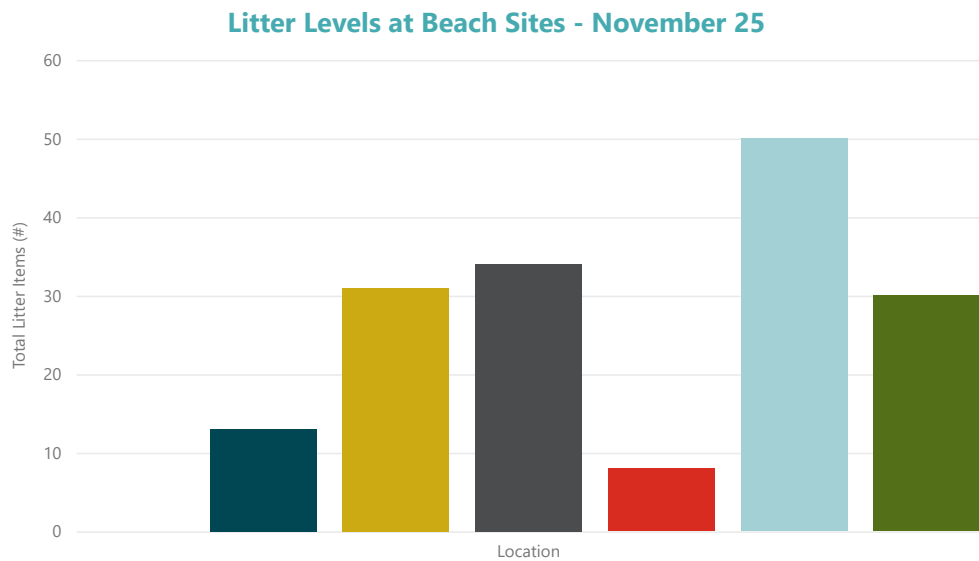
In both periods, **fragments** (hard plastic and paper/card), and **Cigarette butts and filters** made up the three most commonly counted items at this site type. This could be attributed in some instances to verge mowing, but is more likely to be discarded (intentionally or not) items broken up by cars driving over them and swept off the road by weather/vehicle slipstream.

Many **Main Roads** sites were in close vicinity to bus stops, which may also impact the quantity of food packaging items found.

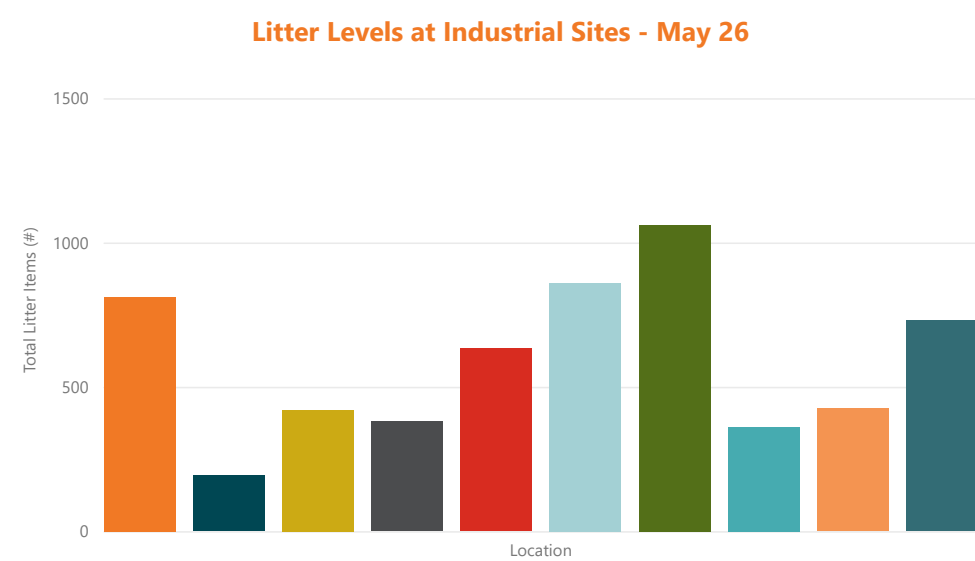
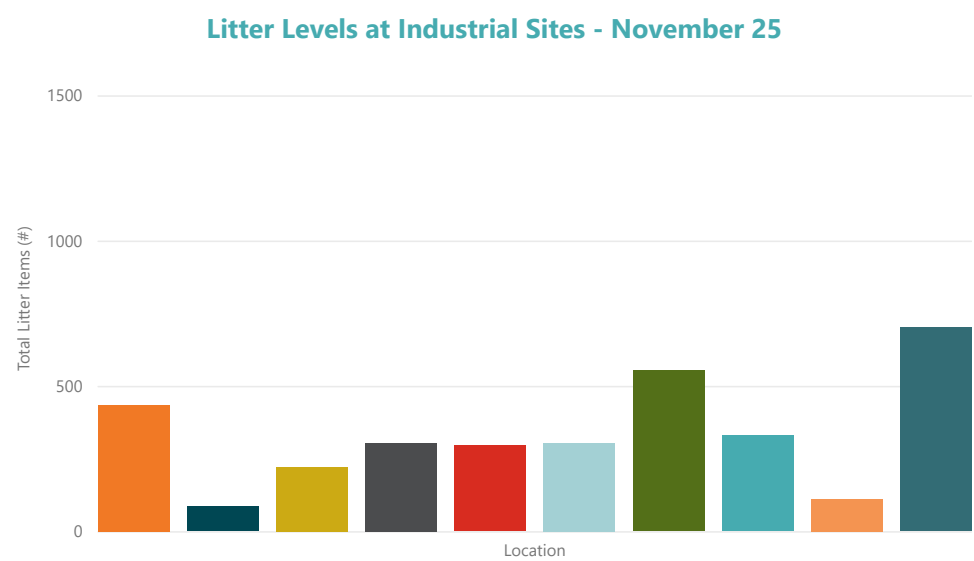
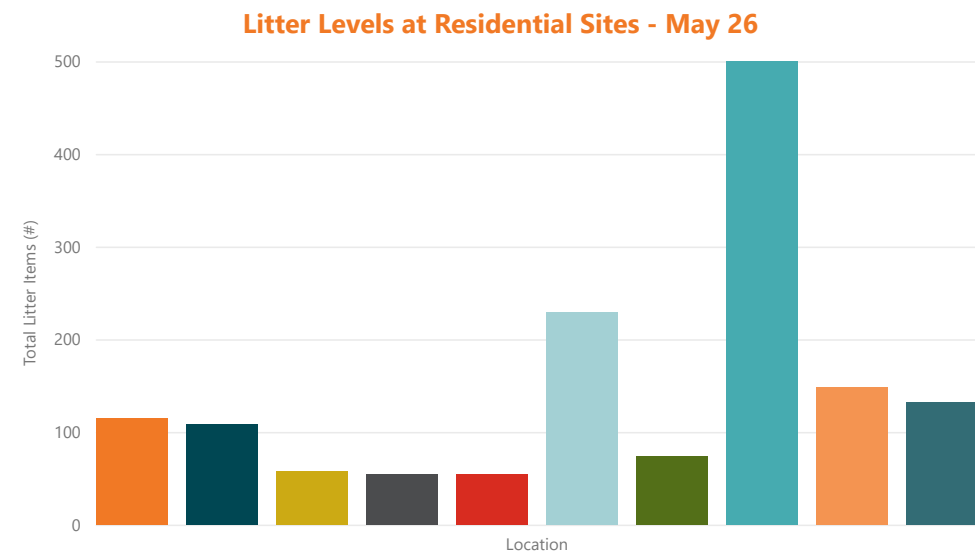
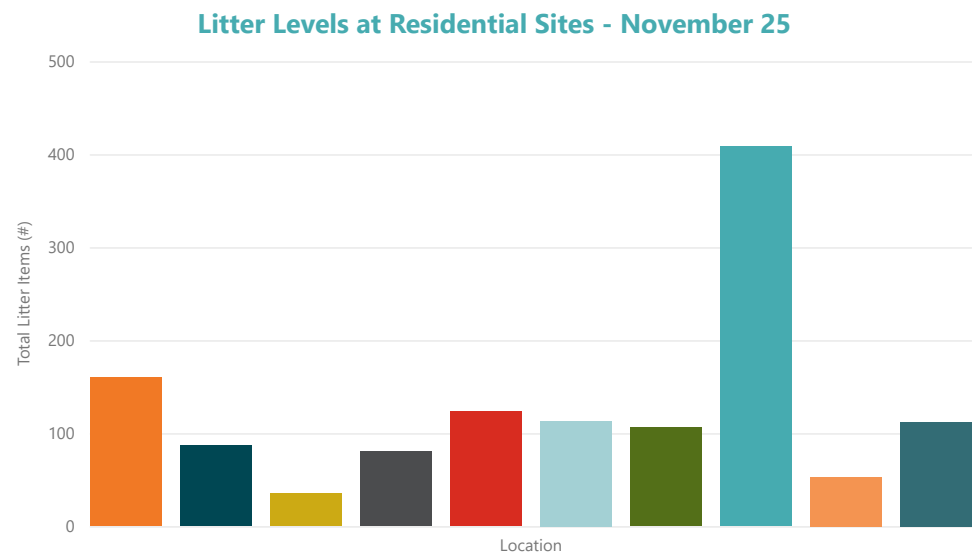
Litter bins were observed at three of ten **Main Roads** sites.

There were two transects at one location that were excluded completely from the May 26 survey as Safety issues were raised concerning growth of roadside flora decreasing the safe walkable corridor for the surveyors, and minimising the transect width. This will need to be accounted for in future surveys and although it will involve finding a replacement site location, this is not expected to materially impact the overall results.

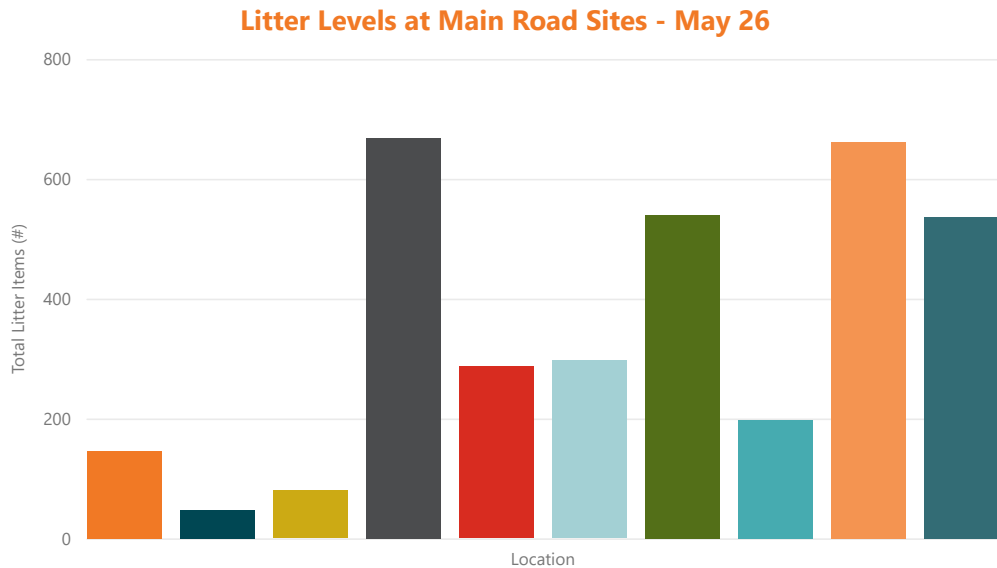
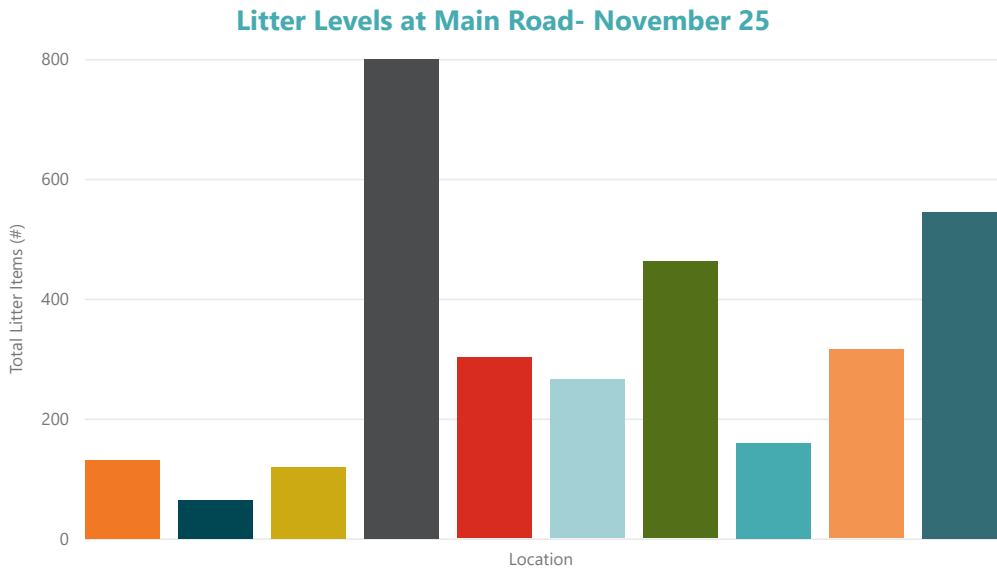
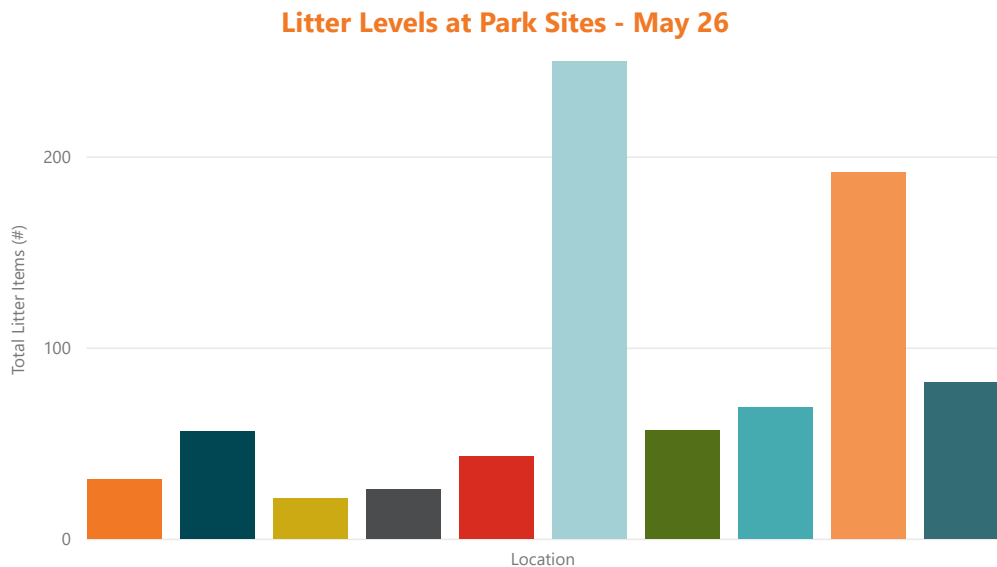
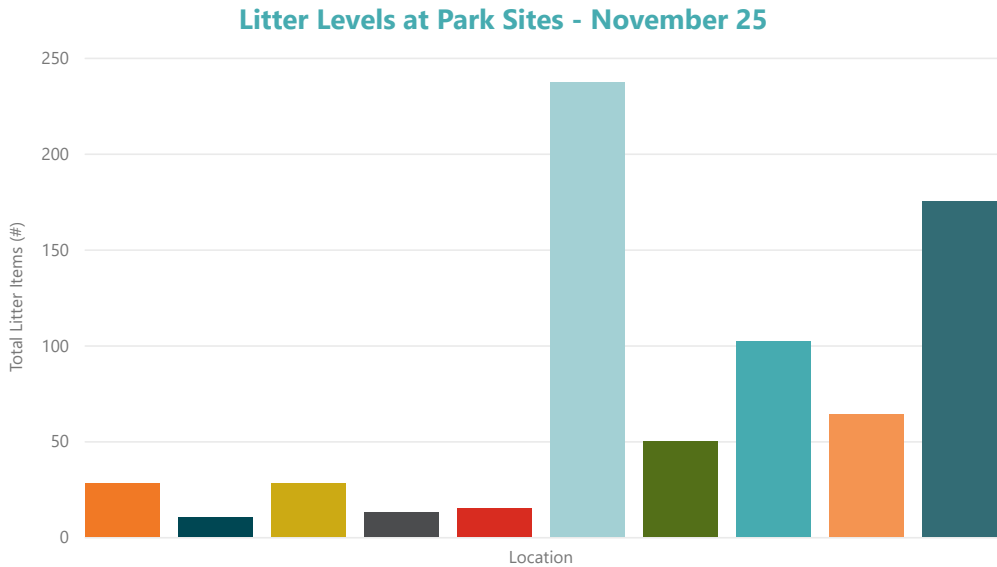
3.0 Litter Data by Site Type



3.0 Litter Data by Site Type



3.0 Litter Data by Site Type

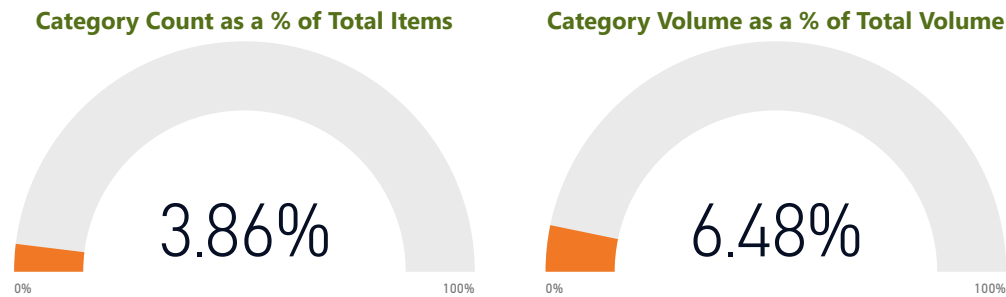


4.0 Key Categories and Items

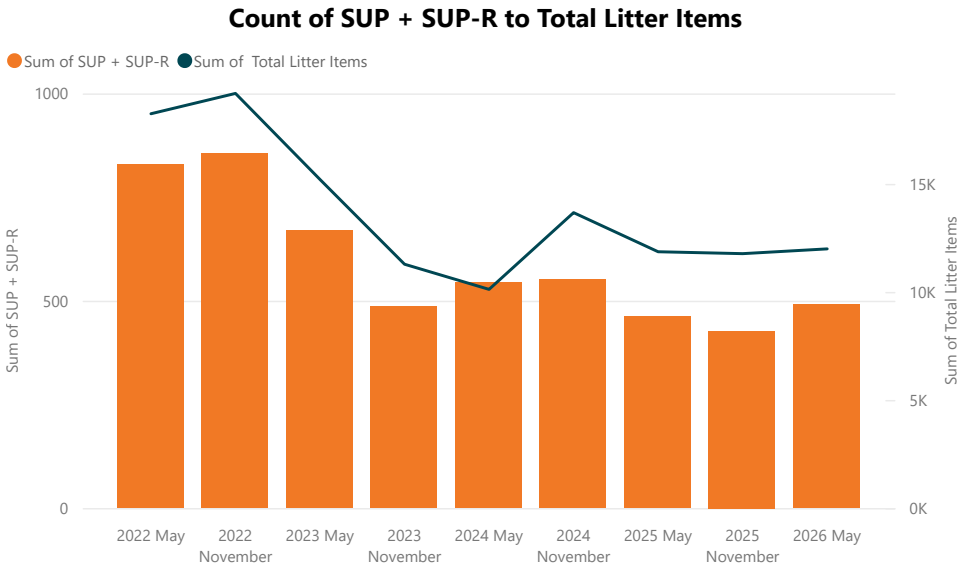
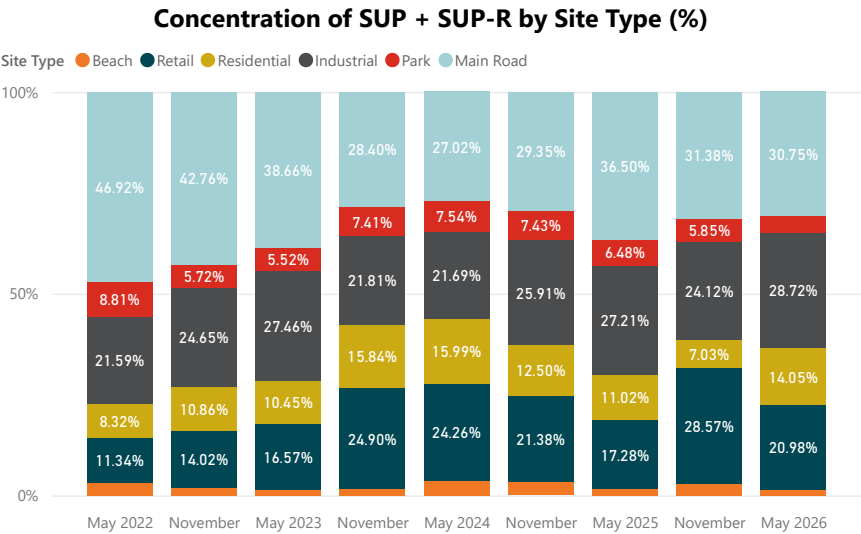
Single Use Plastic and Single Use Plastic Replacements

KEY ITEM SNAPSHOT		
	November 25	May 26
Total Number of Items - (#)	427	491
Total Volume of Items- (l)	56.91	50.69
Highest Site Litter Count - Number (#)	46	40
Highest Site Litter Count - Volume (l)	8.47	6.72
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 seven in each period, 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

Category Detail SUP - November 25

Item	Sum of Count	Sum of Total Volume (l)
Other Food Package	44	22.00
Lollipop Sticks	35	0.04
Bag - Other	32	6.40
Lids -Coffee cup lid	32	0.64
Cup - Coffee cup	30	6.00
Takeaway food container	28	14.00
Straws	22	0.11
Lids - Plastic cup lid	17	0.34
Bag -Lightweight shop	15	3.00
Lids - Other	13	0.26
Cotton buds/tips	7	0.01
Cup – Single use	7	1.40
Cutlery/chopsticks	5	0.05
Bag - Mesh Bags	2	0.20
Bag - Heavy Supermrkt	1	1.00
Food pack./clam shells	1	0.50
Bag - Heavy Boutique	0	0.00
Plate/bowl – single use	0	0.00
Stirrers	0	0.00
Total	291	55.94

Category Detail SUP-R - November 25

Item	Sum of Count	Sum of Total Volume (l)
Straw (non-plastic)	91	0.46
Cutlery (non-plastic)	30	0.30
Cotton buds/tips (non- plastic)	12	0.01
Stirrers (non-plastic)	2	0.00
Plate/bowl (non-plastic)	1	0.20
Total	136	0.97

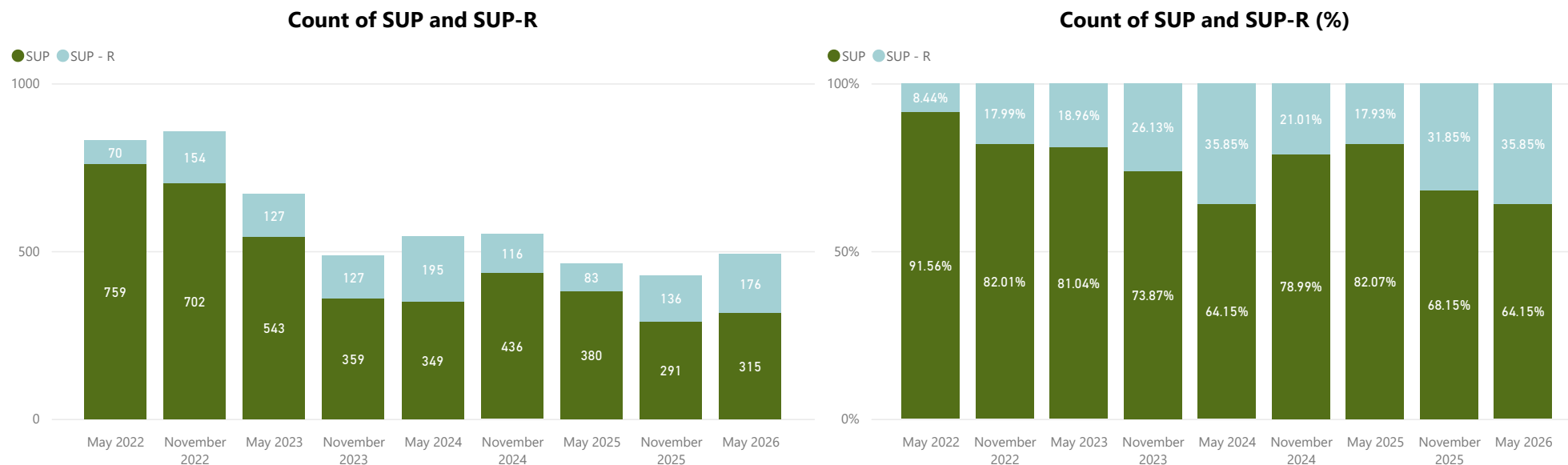
Category Detail SUP May 26

Item	Sum of Count	Sum of Total Volume (l)
Cup - Coffee cup	59	11.80
Lids - Other	43	0.86
Lids -Coffee cup lid	41	0.82
Lollipop Sticks	38	0.04
Other Food Package	23	11.50
Bag - Other	20	4.00
Takeaway food container	19	9.50
Bag -Lightweight shop	17	3.40
Cotton buds/tips	13	0.01
Straws	13	0.07
Lids - Plastic cup lid	8	0.16
Cup – Single use	6	1.20
Bag - Mesh Bags	5	0.50
Bag - Heavy Supermrkt	3	3.00
Cutlery/chopsticks	3	0.03
Bag - Heavy Boutique	2	2.00
Plate/bowl – single use	1	0.20
Stirrers	1	0.00
Total	315	49.09

Category Detail SUP-R - May 26

Item	Sum of Count	Sum of Total Volume (l)
Straw (non-plastic)	138	0.69
Cutlery (non-plastic)	31	0.31
Plate/bowl (non-plastic)	3	0.60
Cotton buds/tips (non- plastic)	2	0.00
Stirrers (non-plastic)	2	0.00
Total	176	1.61

4.0 Key Categories and Items



As demonstrated in the above graphs, SUP-R has shown an increase as a % of total category, with some fluctuation, since May 22. In May 22, SUP-R totalled 70 items, and accounted for 8.44% of the total SUP category. The May 26 survey shows an increase to 176, or 35.85% of the category. This trend is continuing as expected, as the SUP ban takes full effect, but does highlight that the ban on SUP items may lead to a substitution rather than cessation of littering behaviour. It is heartening to see that the trend over time is identifying less plastic overall during the surveys, although plastic remains the largest source material overall.

It is also notable here to discuss the limitation of the survey methodology in collecting data on some of these replacements. For example, plastic lined coffee cups and plastic coffee cup lids were included in the SUP Ban from March 2024. Take-away coffee cup lids observed should now primarily be the compostable/paper-based alternative, however the AusLM standard item list does not currently contain an 'other' coffee cup lid item, to capture these. And although replacement coffee cups (biodegradable or 'compostable') may no longer be considered plastic, they still contain a layer of a waterproof lining that cannot be easily distinguished, and are generally only industrially compostable, if at all. The survey data therefore cannot quantify the impact of the SUP Ban on coffee cups, and lids and this should be considered when analysing SUP versus SUP-R figures.

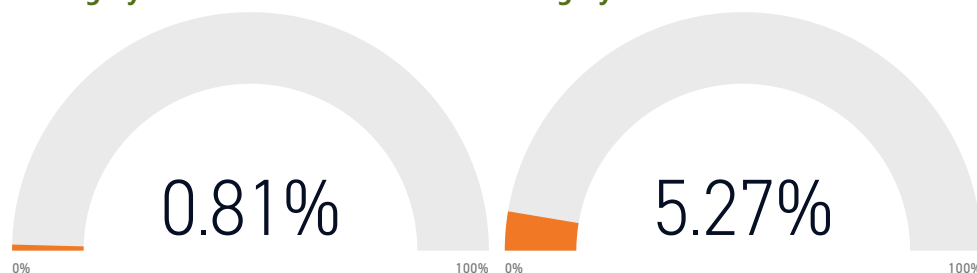
Over time there are more plastic items being transitioned to alternative materials, for example **bread bag tags** are consistently being found to be made of paper/card instead of plastic. A review of the AusLM standard item list is recommended at a national level, to ensure single use plastic and their equivalent non plastic replacements can be distinctly captured.

4.0 Key Categories and Items

CDS Beverage Containers

KEY ITEM SNAPSHOT		
	November 25	May 26
Total Number of Items - (#)	104	88
Total Volume of Items- (l)	47.78	39.75
Highest Site Litter Count - Number (#)	11	11
Highest Site Litter Count - Volume (l)	5.25	5.70
Lowest Site Litter Count - Number (#)	0	0
Lowest Site Litter Count - Volume (l)	0	0

Category Count as a % of Total Items Category Volume as a % of Total Volume



The Containers for Change program is a container deposit scheme (“CDS”) that commenced in Western Australia in October 2020. Consumers are able to take eligible beverage containers to a collection point and get a refund of 10 cent per item, or have the items collected and the funds donated. Eligible containers are labelled with a “10 cent” sign to mark them as part of the scheme.

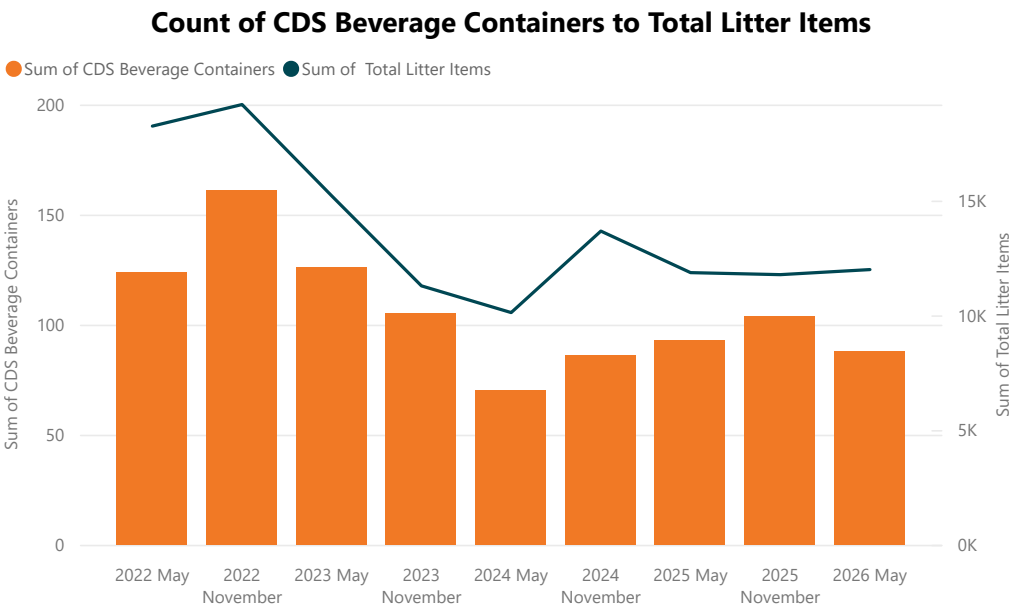
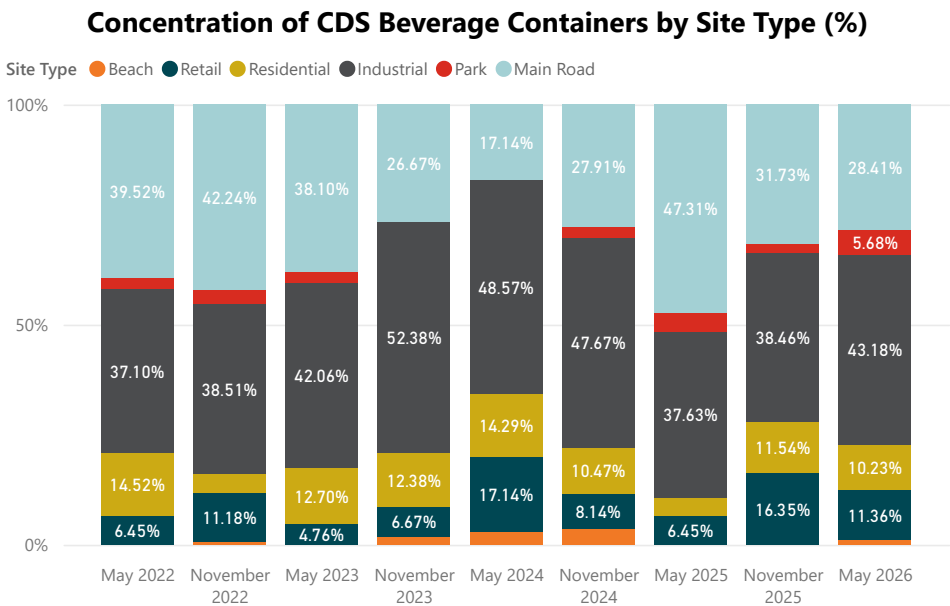
From 1 July 26, the CDS is expanding to accept most wine and spirit bottles. Data presented in the first part of this section refers to CDS eligible containers only. Detail on all beverage containers (including CDS and Non-CDS) is presented at the end of this section.

CDS Beverage Containers were similar to previous years with 104 and 88 containers counted in November 25 and May 26 respectively. **Industrial** sites continue to make up the largest proportion of CDS, accounting for 38% of total CDS in November 25, and 43% in May 26. **Main Roads** is the other problem area, with 32% and 28% of the total concentration during the survey period.

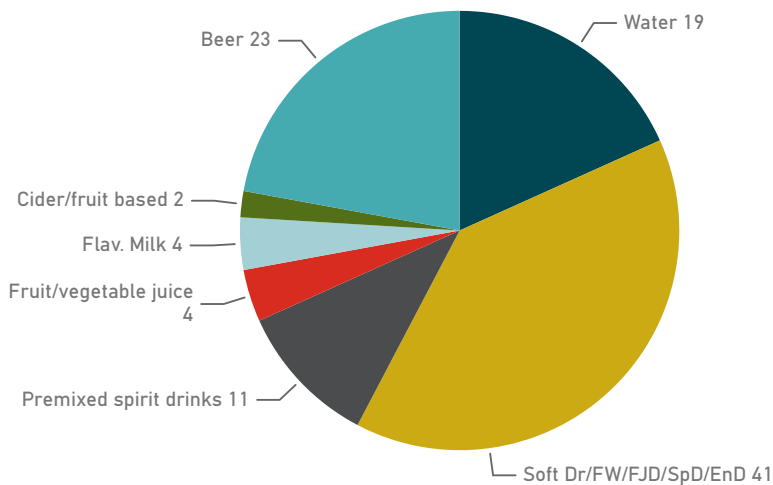
Category Count as a % of Total Items in 2025/26 shows **CDS Beverage Containers** accounted for 0.81% by count, or 5.27% by volume of all items counted.

Out of 57 sites surveyed each period, there were 26 in November 25, and 28 in May 26 where no **CDS beverage containers** were recorded at all.

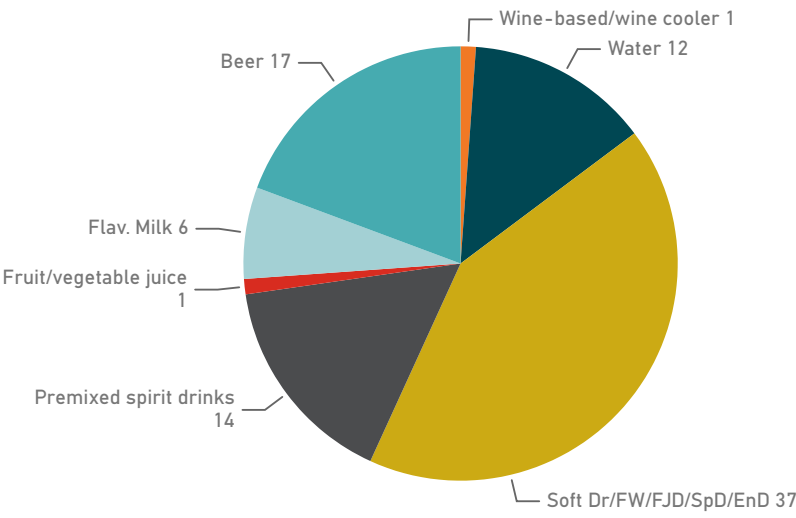
4.0 Key Categories and Items



CDS Beverage Containers by Beverage Type - November 25



CDS Beverage Containers by Beverage Type - May 26



4.0 Key Categories and Items

Category Detail CDS Beverage Containers November 25

Classification	Item	Sum of Count	Sum of Total Volume (l)
Metal	Soft Dr/FW/FJD/SpD/EnD 150-499mL	28	10.50
Glass	Beer 150-499mL	16	6.00
Plastic	Water 500-999mL	13	7.80
Metal	Premixed spirit drinks 150-499mL	8	3.00
Metal	Beer 150-499mL	5	1.88
Plastic	Water 150-499mL	5	1.88
Plastic	Soft Dr/FW/FJD/SpD/EnD 500-999mL	4	2.40
Plastic	Flav. Milk 500-999mL	3	1.80
Glass	Soft Dr/FW/FJD/SpD/EnD 150-499mL	3	1.13
Glass	Cider 150-499mL	2	0.75
Glass	Fruit juice 150-499mL	2	0.75
Glass	Premixed spirit drinks 500-999mL	2	1.20
Plastic	Soft Dr/FW/FJD/SpD/EnD 150-499mL	2	0.75
Metal	Soft Dr/FW/FJD/SpD/EnD 500-999mL	2	1.20
Glass	Beer 500-999mL	1	0.60
Metal	Beer 500-999mL	1	0.60
Paper And Card	Flav. milk (Cartons) 500-999mL	1	0.60
Paper And Card	Fruit Juice 150-499mL	1	0.38
Glass	Fruit juice 500-999mL	1	0.60
Glass	Premixed spirit drinks 150-499mL	1	0.38
Plastic	Soft Dr/FW/FJD/SpD/EnD 1000mL-3000mL	1	1.50
Glass	Soft Dr/FW/FJD/SpD/EnD 500-999mL	1	0.60
Plastic	Water 1000mL-3000mL	1	1.50
Total		104	47.78

Category Detail CDS Beverage Containers May 26

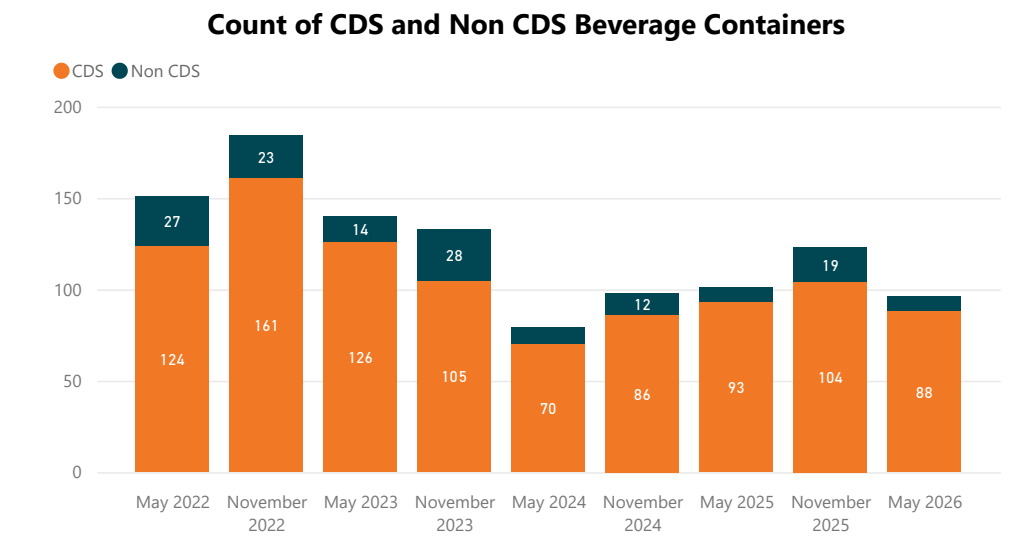
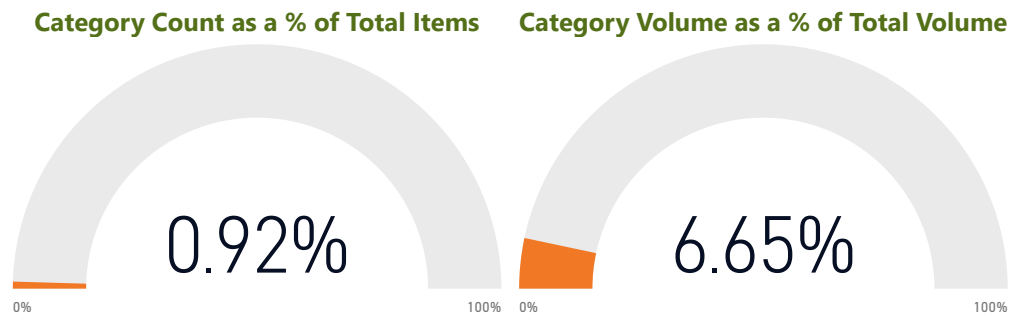
Classification	Item	Sum of Count	Sum of Total Volume (l)
Metal	Soft Dr/FW/FJD/SpD/EnD 150-499mL	23	8.63
Metal	Beer 150-499mL	10	3.75
Metal	Premixed spirit drinks 150-499mL	8	3.00
Glass	Beer 150-499mL	7	2.63
Plastic	Water 500-999mL	7	4.20
Glass	Premixed spirit drinks 150-499mL	5	1.88
Glass	Soft Dr/FW/FJD/SpD/EnD 150-499mL	4	1.50
Plastic	Soft Dr/FW/FJD/SpD/EnD 150-499mL	4	1.50
Plastic	Water 150-499mL	4	1.50
Paper And Card	Flav. milk (Cartons) 150-499mL	3	1.13
Metal	Soft Dr/FW/FJD/SpD/EnD 500-999mL	3	1.80
Plastic	Flav. Milk 150-499mL	2	0.75
Plastic	Soft Dr/FW/FJD/SpD/EnD 500-999mL	2	1.20
Paper And Card	Flav. milk (Cartons) 500-999mL	1	0.60
Glass	Fruit juice 500-999mL	1	0.60
Glass	Premixed spirit drinks 500-999mL	1	0.60
Plastic	Soft Dr/FW/FJD/SpD/EnD 1000mL-3000mL	1	1.50
Plastic	Water 1000mL-3000mL	1	1.50
Glass	Wine-based/wine cooler 1000mL-3000mL	1	1.50
Total		88	39.75

Note: Soft drink/FW/FJD/SpD/EnD is a grouping covering soft drink, flavoured water, fruit juice drink, sports drink and energy drink.

4.0 Key Categories and Items

Total Beverage Containers (CDS and Non CDS)

Across both survey periods, there were a further 27 containers identified that were classified as not eligible for the CDS scheme (19 in November 25 and 8 in May 26). This included items such as glass wine in 150-3000mL, glass spirit <150 ml-999mL, metal Premixed spirit drinks <150 ml, foil wine bladders 1000mL-3000mL, card milk (plain 150-999mL), card wine-based/wine cooler 1000mL-3000mL, plastic white milk 1000mL-3000mL, and plastic soft Dr/FW/FJD/SpD/EnD <150 ml.



4.0 Key Categories and Items

Cigarette Butts and Filters

KEY ITEM SNAPSHOT		
	November 25	May 26
Total Number of Items - (#)	2,404	2,405
Total Volume of Items- (l)	4.81	4.81
Highest Site Litter Count - Number (#)	544	350
Highest Site Litter Count - Volume (l)	1.09	0.70
Lowest Site Litter Count - Number (#)	0	0
Lowest Site Litter Count - Volume (l)	0	0

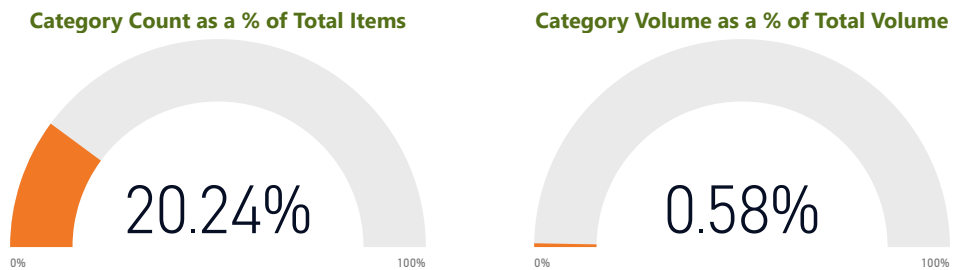


Cigarette Butts and Filters continue to be the highest individual litter item by count in both survey periods. Up just marginally on previous periods, **Cigarette Butts and Filters** in the 2025/26 survey account for 20.24% of all litter items counted (compares with 21.33% in 2024/25 and 20.50% in 2023/24).

The highest site type for **Cigarette Butts and Filters** was **Retail**, accounting for 64% and 43% of the total counted in November 25 and May 26 respectively. It is reasonable to postulate that the weather would have an effect on how people engage in social outings and/or the length of time spent in these areas.

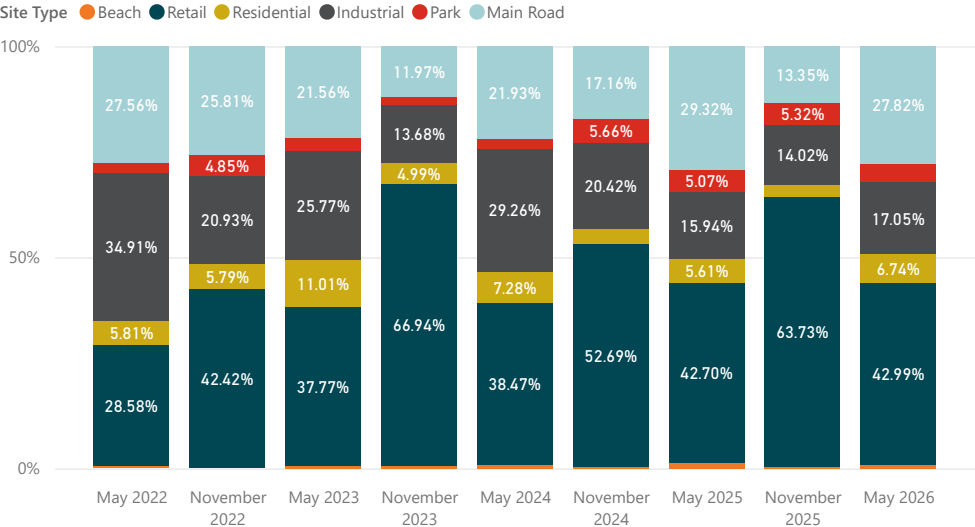
Out of the total 57 sites surveyed there were just 11 in November 25 and three in May 26, where no **Cigarette Butts and Filters** were observed. Dedicated Cigarette butt disposal containers were observed at only one site (Retail).

It is recommended that consideration be given in the AusLM item classification to nicotine pouches (made of a plastic derivative); its suggested these should also be reported under the **Cigarette Butts and Filters** category as they fit the same brief.

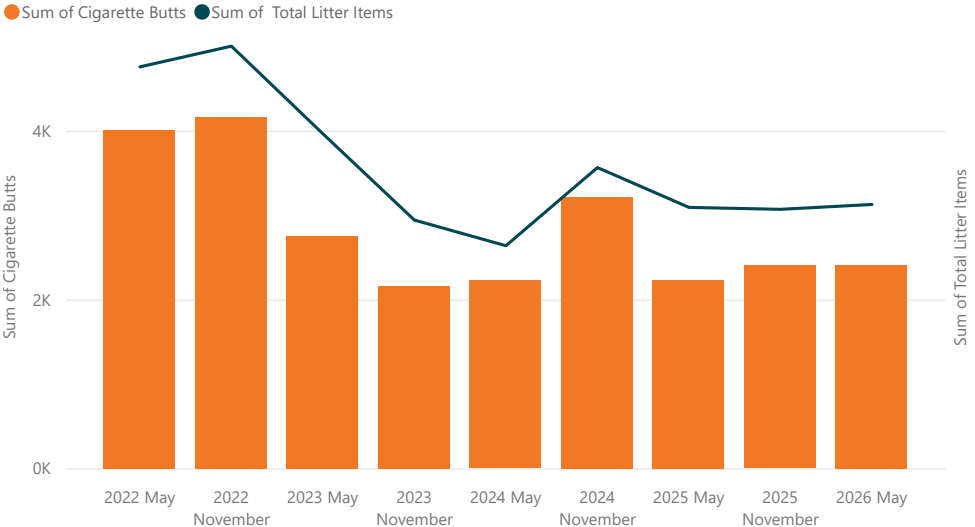


4.0 Key Categories and Items

Concentration of Cigarette Butts and Filters by Site Type (%)



Count of Cigarette Butts and Filters to Total Litter Items



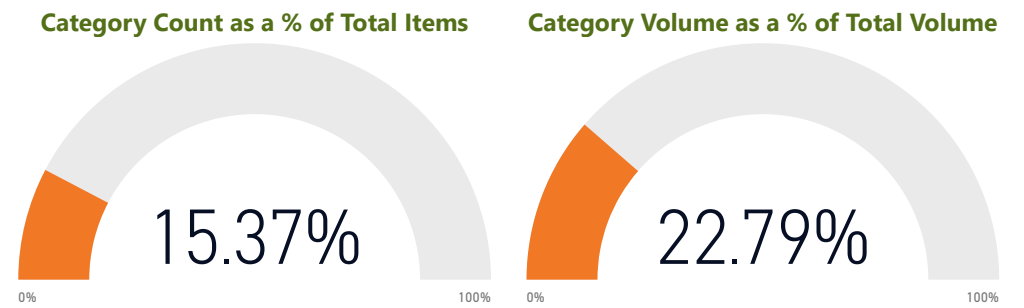
4.0 Key Categories and Items

Takeaway Food Packaging

KEY ITEM SNAPSHOT		
	November 25	May 26
Total Number of Items - (#)	1,881	1,771
Total Volume of Items- (l)	206.85	171.45
Highest Site Litter Count - Number (#)	181	106
Highest Site Litter Count - Volume (l)	28.07	15.99
Lowest Site Litter Count - Number (#)	0	0
Lowest Site Litter Count - Volume (l)	0	0

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.

At more than 15% of the total items counted during 2025/26 (similar to 2024/25 period of 15.2%), and nearly 23% of the total volume (compared to 21.6% in 24/225), it is clear that **Takeaway Food Packaging** remains a persistent problem.

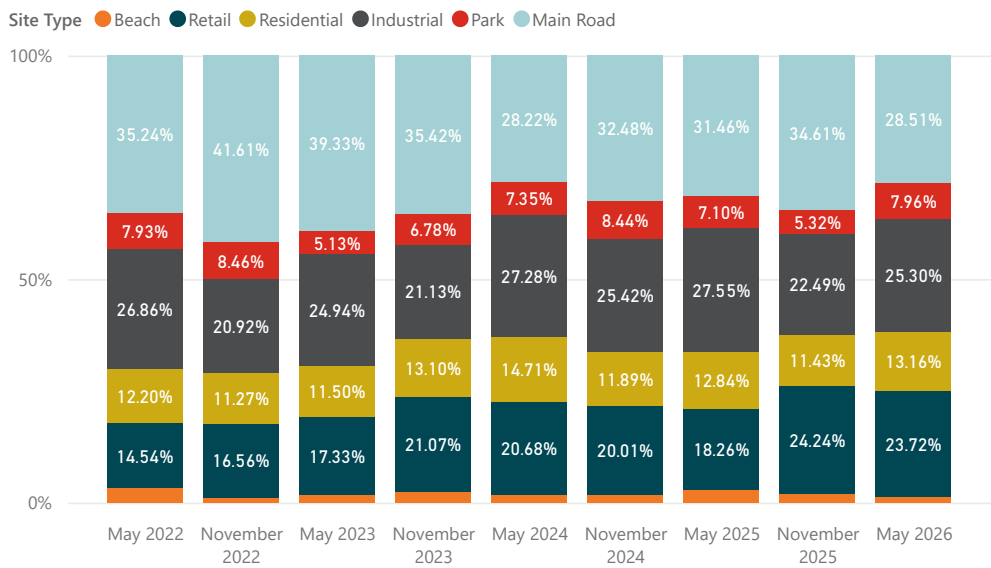


It is notable that many individually highly littered items that are already highlighted in the Top Items by Count (Site Summary) are included in this category.

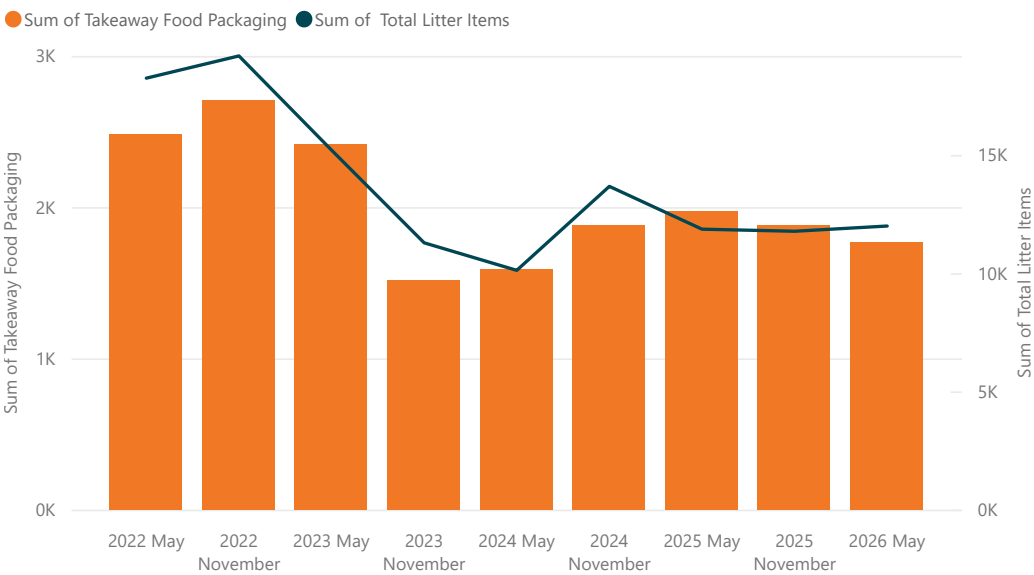
Consistent with general findings, **Main Roads, Retail** and **Industrial** were the highest littered sites with around 31%, 24% and 23% of the concentration respectively across this survey period. Across both November 25 and May 26, the two highest counted items in this category were **Food/ confectionary wrappers** and **Lids – Beverage containers lids/caps**.

4.0 Key Categories and Items

Concentration of Takeaway Items by Site Type (%)



Count of Takeaway Food Packaging to Total Litter Items



4.0 Key Categories and Items

Category Detail Takeaway Food Packaging November 25

Item	Sum of Count	Sum of Total Volume (l)
Food/confect. Wrappers	747	37.35
Lids - Beverage container lids /caps	257	5.14
Paper/card food packaging	256	128.00
Lids, bottle tops, can ring pulls	238	0.48
Straw (non-plastic)	91	0.46
Cup - Other paper cup	52	10.40
Lollipop Sticks	35	0.04
Lids -Coffee cup lid	32	0.64
Cup - Coffee cup	30	6.00
Cutlery (non-plastic)	30	0.30
Takeaway food container	28	14.00
Straws	22	0.11
Lids - Plastic cup lid	17	0.34
Lids - Other	13	0.26
Ice Cream Stick	9	0.01
Cup – Single use	7	1.40
Cutlery/chopsticks	5	0.05
Ice cream wrappers	4	0.08
Six pack rings	2	0.40
Stirrers (non-plastic)	2	0.00
Cups (foam)	1	0.20
Foil takeaway container	1	0.50
Food pack./clam shells	1	0.50
Plate/bowl (non-plastic)	1	0.20
Total	1881	206.85

Category Detail Takeaway Food Packaging May 26

Item	Sum of Count	Sum of Total Volume (l)
Food/confect. Wrappers	555	27.75
Lids - Beverage container lids /caps	275	5.50
Lids, bottle tops, can ring pulls	273	0.55
Paper/card food packaging	207	103.50
Straw (non-plastic)	138	0.69
Cup - Coffee cup	59	11.80
Lids - Other	43	0.86
Lids -Coffee cup lid	41	0.82
Cup - Other paper cup	38	7.60
Lollipop Sticks	38	0.04
Cutlery (non-plastic)	31	0.31
Takeaway food container	19	9.50
Ice Cream Stick	13	0.01
Straws	13	0.07
Lids - Plastic cup lid	8	0.16
Cup – Single use	6	1.20
Cutlery/chopsticks	3	0.03
Ice cream wrappers	3	0.06
Plate/bowl (non-plastic)	3	0.60
Stirrers (non-plastic)	2	0.00
Cups (foam)	1	0.20
Plate/bowl – single use	1	0.20
Stirrers	1	0.00
Total	1771	171.45

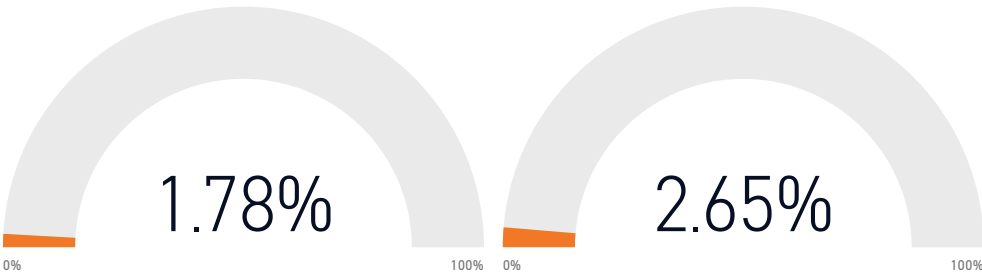
4.0 Key Categories and Items

Polystyrene

KEY ITEM SNAPSHOT		
	November 25	May 26
Total Number of Items - (#)	212	211
Total Volume of Items- (l)	20.11	23.80
Highest Site Litter Count - Number (#)	40	27
Highest Site Litter Count - Volume (l)	2.50	8.96
Lowest Site Litter Count - Number (#)	0	0
Lowest Site Litter Count - Volume (l)	0	0

Category Count as a % of Total Items

Category Volume as a % of Total Volume

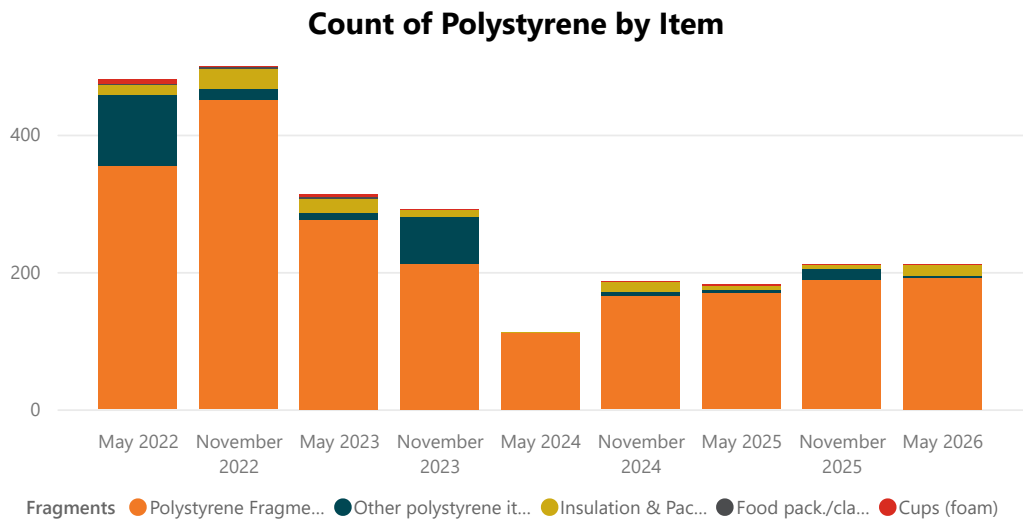
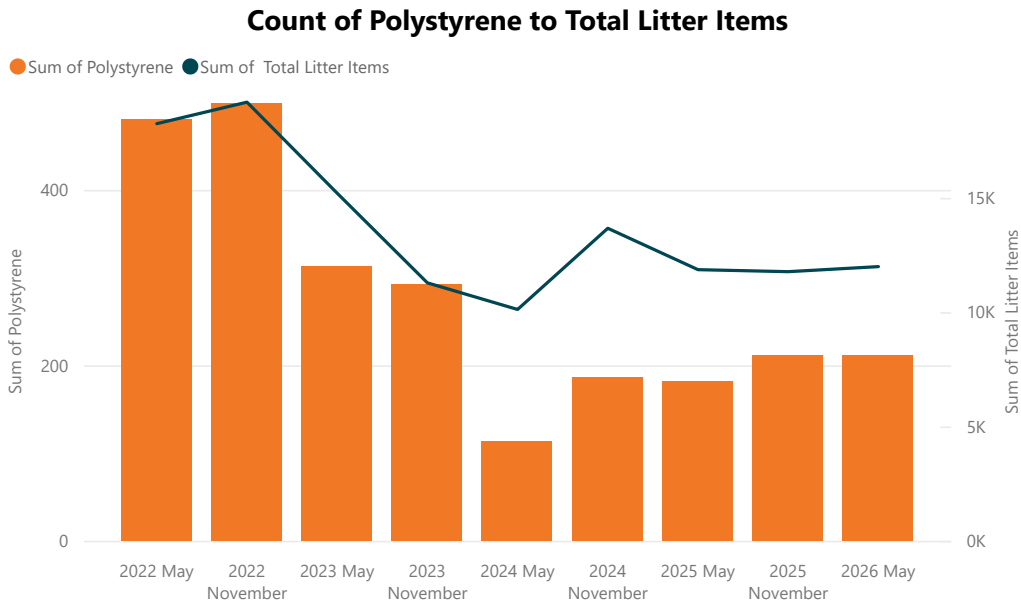
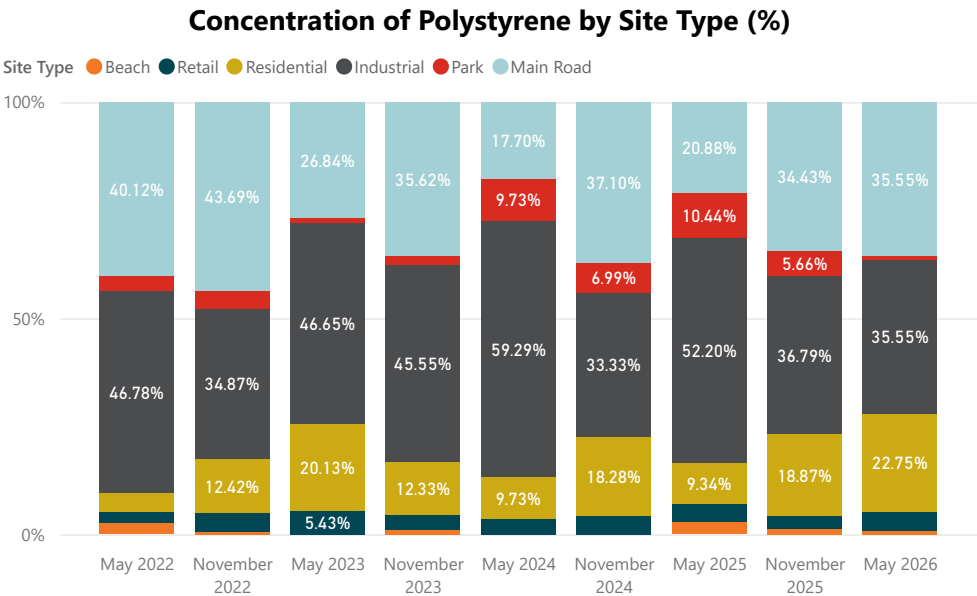


This category captures Polystyrene insulation and packaging, other items, and fragments. Although banned and now considered out of circulation, polystyrene cups and takeaway food packaging still exist and are occasionally found. This survey period identified one cup and one food package.

Fragments make up the largest proportion of this category, accounting for 189 items (89% of this category) in November 25 and 191 items (91%) in May 26. Fragments are usually related to insulation and packaging, including polycarbonate film and sheeting.



4.0 Key Categories and Items



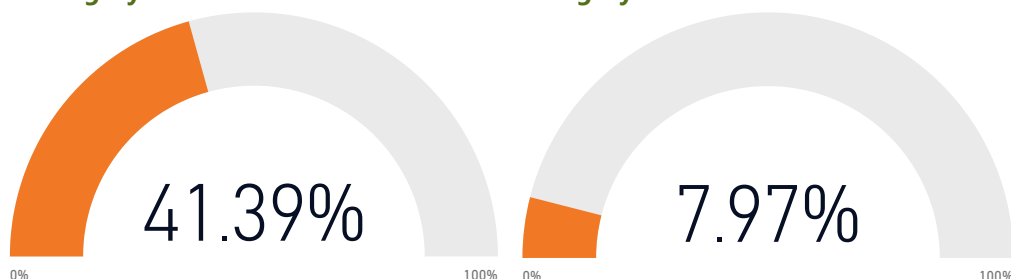
4.0 Key Categories and Items

Fragments

KEY ITEM SNAPSHOT		
	November 25	May 26
Total Number of Items - (#)	4,629	5,206
Total Volume of Items- (l)	60.83	71.47
Highest Site Litter Count - Number (#)	460	382
Highest Site Litter Count - Volume (l)	7.36	5.74
Lowest Site Litter Count - Number (#)	0	1
Lowest Site Litter Count - Volume (l)	0	0.01

Category Count as a % of Total Items

Category Volume as a % of Total Volume



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;

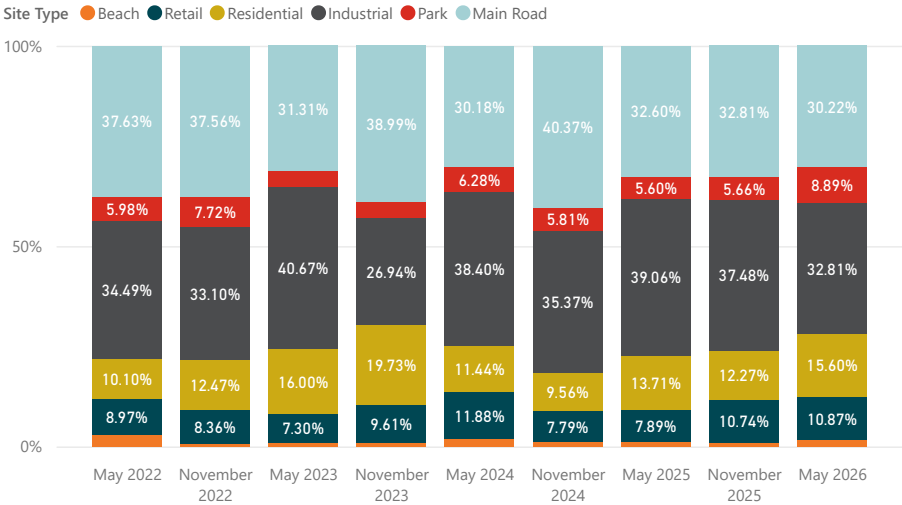
- small (2.5 cm to 8 cm)
- medium (8 cm to 16 cm)
- large (larger than 16 cm)

Damage to an item by impact/driving, and mowing could be considered the most common factors that contribute to an item becoming fragmented, which would account for sites with proximity to roads/vehicles and low litter maintenance (**Main Roads, Industrial**) being the sites with the highest count. **Parks** and **Residential** would most commonly be affected by mowing, or remnants of hard rubbish collection.

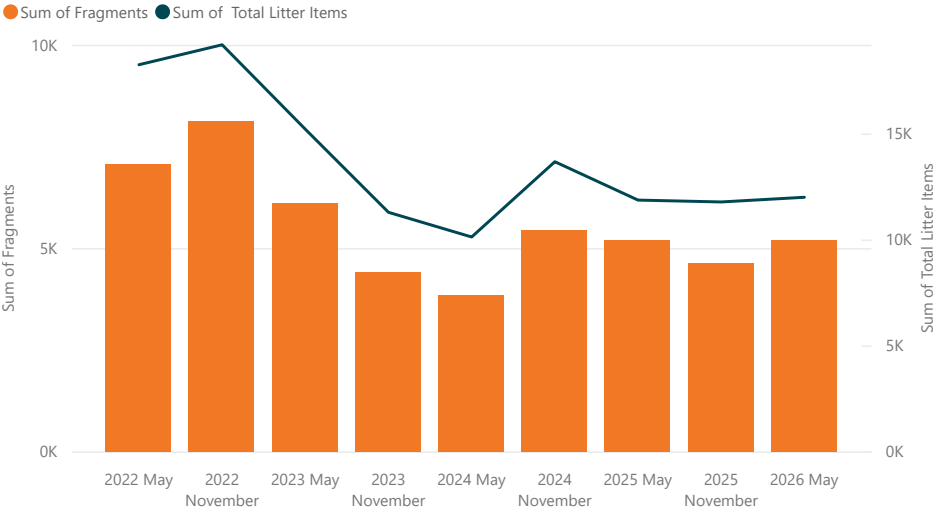
Fragments consistently make up a significant portion of the litter items counted. The 2025/26 survey was no different, with 41.39% of total items counted being a fragment of some sort. By source material, **Plastic** fragments (including hard and soft plastic) continues to make up the largest proportion of the fragments counted, accounting for between 48% and 52% of fragments each period.

4.0 Key Categories and Items

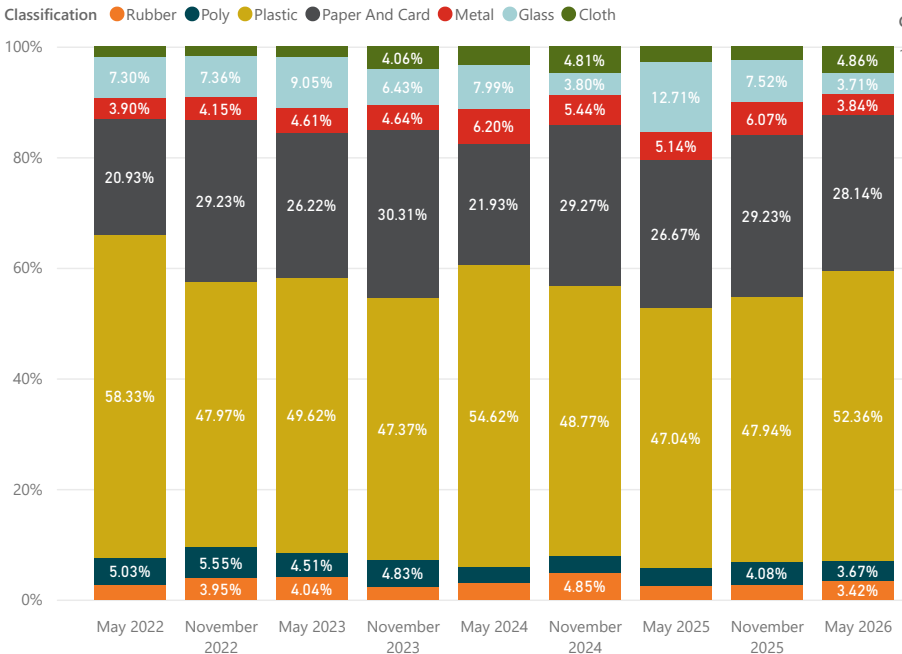
Concentration of Fragments by Site Type (%)



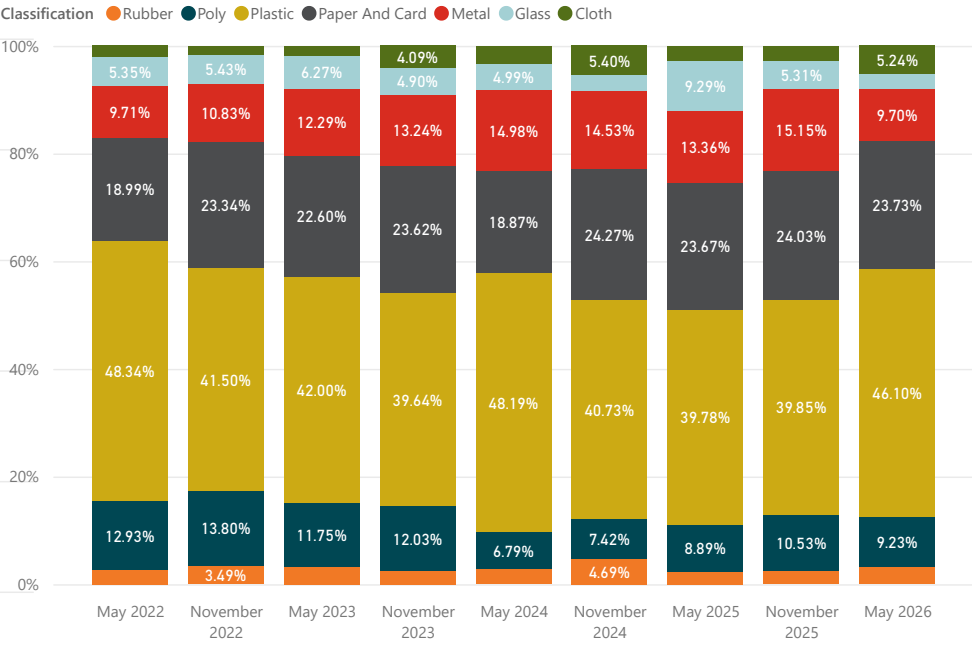
Count of Fragments to Total Litter Items



Fragment Count by Source Material (%)



Fragment Volume by Source Material (%)



5.0 Other Observations

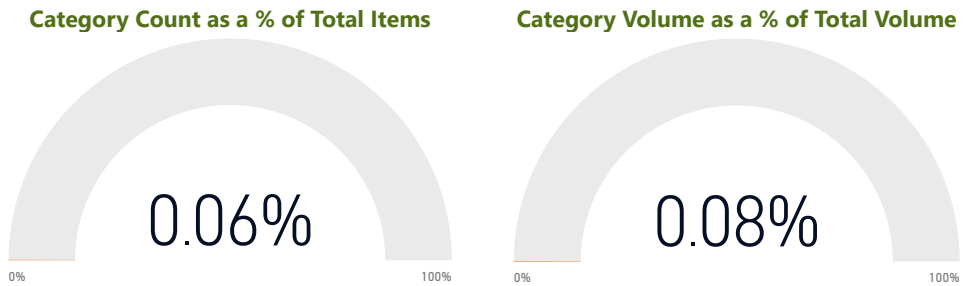
Items of Note – Facemasks

KEY ITEM SNAPSHOT		
	November 25	May 26
Total Number of Items - (#)	6	8
Total Volume of Items- (l)	0.60	0.80
Highest Site Litter Count - Number (#)	1	3
Highest Site Litter Count - Volume (l)	0.10	0.30
Lowest Site Litter Count - Number (#)	0	0
Lowest Site Litter Count - Volume (l)	0	0

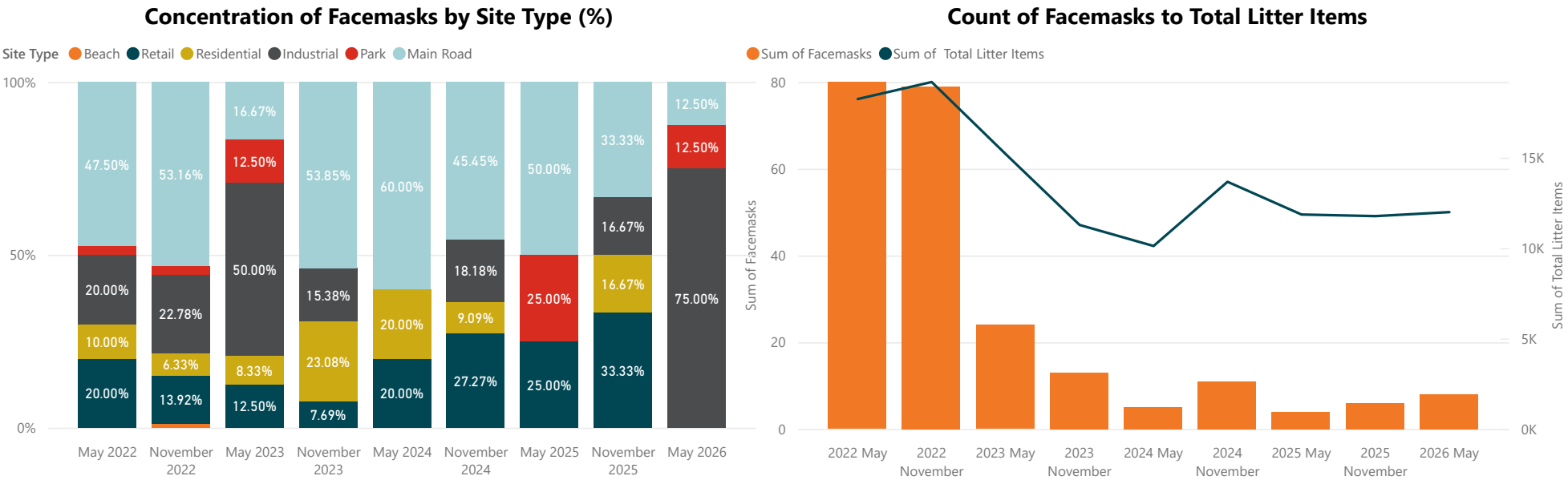


For future survey reports, it is considered reasonable to disregard **Facemasks** as a highly littered item, reflecting the post Covid-19 era and greatly reduced levels of **Facemasks** being identified during the survey. Littering does not seem to correlate with a winter period, and there is not enough data to support any hypothesis regarding the density of **Facemasks** in industrial sites in May 26, as they are spread across different locations.

While **Facemasks** make up just 0.06% of this current survey period, it is still important to monitor as it is likely that any further pandemic or epidemic with respiratory elements would result in an increase of this item in litter streams.



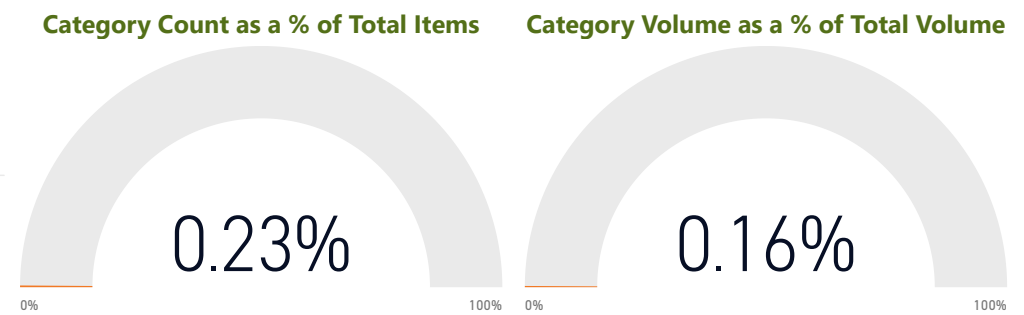
5.0 Other Observations



5.0 Other Observations

Items of Note – Vape Pens and Vape Packaging

KEY ITEM SNAPSHOT		
	November 25	May 26
Total Number of Items - (#)	20	34
Total Volume of Items- (l)	1.0	1.70
Highest Site Litter Count - Number (#)	5	6
Highest Site Litter Count - Volume (l)	0.25	0.30
Lowest Site Litter Count - Number (#)	0	0
Lowest Site Litter Count - Volume (l)	0	0



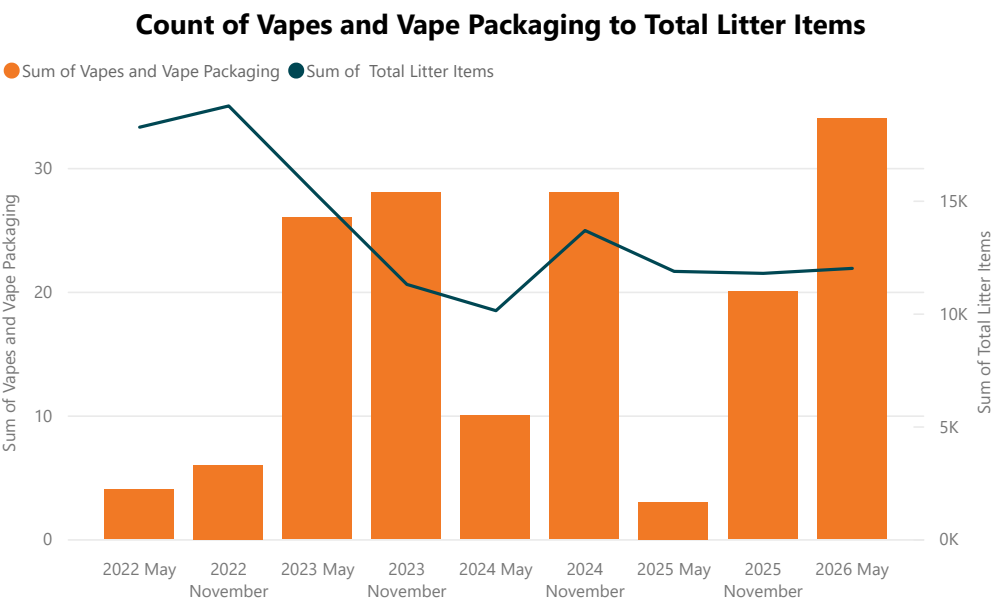
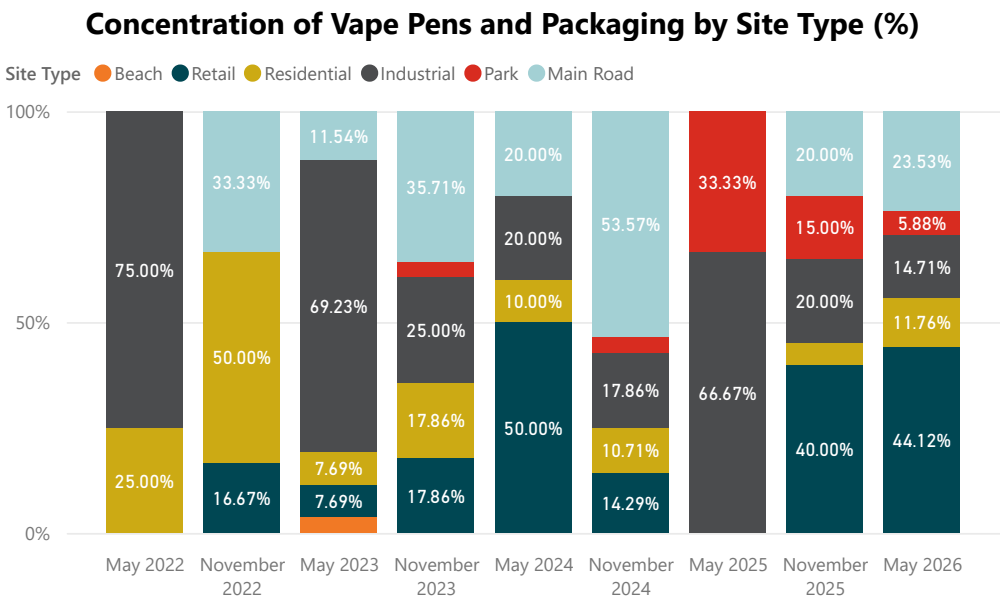
As demonstrated in the **Vape Pens and Packaging by Site Type and Period** graph, the count of **Vape Pens and Vape Packaging** has been recorded at inconsistent levels period to period since the first survey in 2022, with a sharp uptick in May 26.

There may be a number of reasons for this. Although the product is no longer new, Vape packaging is often varied in colour, design and material, making it possible these items may be inconsistently recognised by survey team members, which may lead to them on occasion being recorded under more generic item classifications.

Vapes are also now a banned item, since WA laws were tightened in May 26. It is illegal to buy, possess, or supply any vaping products without a valid prescription from a doctor, and vaping is banned in all the same places as smoking. Although they only make up 0.23% of the Total Litter Items in the 2025/26 survey, Vape Pens are their own litter issue, as they are complex items consisting of multiple different materials, including batteries, and cannot be put in general waste, nor recycled. There is currently no location in WA to dispose safely of Vapes.

Despite this ban, the increase in **Vape Pens and Vape Packaging** is noted to be most prevalent at the most public sites (**Retail**).

5.0 Other Observations



5.0 Other Observations

Illegal Dumping

There were six occasions where hard rubbish/illegal dumping was observed during the 2025/26 litter surveys. Per the AusLM Field Guide the items were excluded from the count and the area containing the items plus a one metre buffer was removed from the surveyed area.

In November 25, seven instances of Hard Rubbish were noted within a specific transect. Three instances were noted at a Residential site, two instances were recorded at Retail site, and one each at a Main Road and Industrial site. Hard Rubbish items included furniture, household items and scrap metal.

In May 26, six instances of illegal dumping were recorded, three at Industrial sites, two at Residential (hard rubbish collection), and one in a Retail location. Items at the Retail location included a fridge, while Industrial was a mix of construction material, pallets, and tyres.



6.0 Appendices

<i>Appendix 1 – Site Type Assessment Checklist</i>	<i>50</i>
<i>Appendix 2 – Total Items and Volume in Count Sheet Format</i>	<i>51</i>
<i>Appendix 3 – Total Estimated Volume by Item</i>	<i>62</i>
<i>Appendix 4 – Category Classifications</i>	<i>65</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	☐ Houses, multi-unit developments, apartments and townhouses on both sides of the street.
Exclusion criteria	☐ Streets maximum speed limits greater than 60 km/h. ☐ Dead end/blind-ended streets (e.g. courts, cul-de-sac) ☐ 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	☐ 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	☐ 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	☐ Streets will include factories, industrial offices, warehouses, workshops or other industrial buildings.
Exclusion criteria	☐ 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. ☐ 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	☐ 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. ☐ 50% or more open area (i.e. grass, paths) that is not playgrounds or dense vegetation.
Exclusion criteria	☐ 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	☐ The majority (i.e. 90% or more) of the beach area to be sampled is sand (or sand covered in seaweed etc.).
Exclusion criteria	☐ 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	☐ A main road linking population centres (towns/cities) ☐ Vegetation bordering each side of the road
Exclusion criteria	☐ Petrol stations, fast food outlets and service centres within 2 km of the site ☐ Site has bridges, overpasses, rest stops, turn-offs, intersections (except driveways), and slipways ☐ Areas with steeply sloped verges (i.e. >45°) are excluded.

6.0 Appendices

Appendix 2

Total Items and Volume in Count Sheet Format

		Nov-25		May-26		2026FY 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	2,404	4.81	2,405	4.81	2,405	22.45	4.81	0.04
	Bag - Dog Poo	10	2.00	11	2.20	11	0.10	2.10	0.02
	Bag - Fruit/Veg	2	0.40	8	1.60	5	0.05	1.00	0.01
	Bag - Green Reusable	-	-	-	-	-	-	-	-
	Bag - Heavy Boutique	-	-	2	2.00	1	0.01	1.00	0.01
	Bag - Heavy Supermarket	1	1.00	3	3.00	2	0.02	2.00	0.02
	Bag – Ice	1	0.50	-	-	1	0.00	0.25	0.00
	Bag -Lightweight shop	15	3.00	17	3.40	16	0.15	3.20	0.03
	Bag - Mesh Bags	2	0.20	5	0.50	4	0.03	0.35	0.00
	Bag - Other	32	6.40	20	4.00	26	0.24	5.20	0.05
	Bread Bag Tags/twist ties	17	0.02	21	0.02	19	0.18	0.02	0.00
	Cable ties	77	0.39	149	0.75	113	1.05	0.57	0.01
	Cigarette Lighters	5	0.05	4	0.04	5	0.04	0.05	0.00
	Cigarette packet cellophane wrap	19	0.02	21	0.02	20	0.19	0.02	0.00
	Cotton buds/tips	7	0.01	13	0.01	10	0.09	0.01	0.00
	Cup – Single use	7	1.40	6	1.20	7	0.06	1.30	0.01
	Cup – Reusable	4	0.80	4	0.80	4	0.04	0.80	0.01
	Cutlery/chopsticks	5	0.05	3	0.03	4	0.04	0.04	0.00
	Fishing related	1	0.05	9	0.45	5	0.05	0.25	0.00
	Food/confect. Wrappers	747	37.35	555	27.75	651	6.08	32.55	0.30
	Lids - Beverage container lids /caps	257	5.14	275	5.50	266	2.48	5.32	0.05
	Lids - Plastic cup lid	17	0.34	8	0.16	13	0.12	0.25	0.00
	Lids -Coffee cup lid	32	0.64	41	0.82	37	0.34	0.73	0.01
	Lids - Other	13	0.26	43	0.86	28	0.26	0.56	0.01

6.0 Appendices

		Nov-25		May-26		2026FY 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	35	0.04	38	0.04	37	0.34	0.04	0.00
	Non-Food Bottle	9	4.50	3	1.50	6	0.06	3.00	0.03
	Non-Food package	70	35.00	65	32.50	68	0.63	33.75	0.32
	Other Food Package	44	22.00	23	11.50	34	0.31	16.75	0.16
	Plate/bowl – single use	-	-	1	0.20	1	0.00	0.10	0.00
	Plate/bowl – reusable	2	0.40	-	-	1	0.01	0.20	0.00
	Plastic wrap non-food	23	4.60	25	5.00	24	0.22	4.80	0.04
	Six pack rings	2	0.40	-	-	1	0.01	0.20	0.00
	Strapping band	43	8.60	63	12.60	53	0.49	10.60	0.10
	Stirrers	-	-	1	0.00	1	0.00	0.00	0.00
	Straws	22	0.11	13	0.07	18	0.16	0.09	0.00
	Syringe	6	0.06	5	0.05	6	0.05	0.06	0.00
	Takeaway food container	28	14.00	19	9.50	24	0.22	11.75	0.11
	Tape/narrow soft plastic film	224	11.20	187	9.35	206	1.92	10.28	0.10
	Tobacco pouch	1	0.10	6	0.60	4	0.03	0.35	0.00
	Toys	17	1.70	18	1.80	18	0.16	1.75	0.02
	Whipper snipper cord	19	0.10	17	0.09	18	0.17	0.09	0.00
	Other plastic item	131	13.10	144	14.40	138	1.28	13.75	0.13
METAL	Aerosol cans	2	0.60	1	0.30	2	0.01	0.45	0.00
	Aluminium foil wrap	82	8.20	164	16.40	123	1.15	12.30	0.11
	Foil takeaway container	1	0.50	-	-	1	0.00	0.25	0.00
	Lids, bottle tops, can ring pulls	238	0.48	273	0.55	256	2.39	0.51	0.00
	Other metal item	140	14.00	103	10.30	122	1.13	12.15	0.11
GLASS	Glass jars	-	-	-	-	-	-	-	-
	Other glass item	8	1.60	3	0.60	6	0.05	1.10	0.01

6.0 Appendices

		Nov-25		May-26		2026FY 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	27	2.70	41	4.10	34	0.32	3.40	0.03
	Cup - Coffee cup	30	6.00	59	11.80	45	0.42	8.90	0.08
	Cup - Other paper cup	52	10.40	38	7.60	45	0.42	9.00	0.08
	Ice cream wrappers	4	0.08	3	0.06	4	0.03	0.07	0.00
	Junk mail / free circulars	13	6.50	12	6.00	13	0.12	6.25	0.06
	Newspaper/Magazine	13	6.50	20	10.00	17	0.15	8.25	0.08
	Packages & boxes	37	18.50	18	9.00	28	0.26	13.75	0.13
	Paper bags	14	4.20	7	2.10	11	0.10	3.15	0.03
	Paper/card food packaging	256	128.00	207	103.50	232	2.16	115.75	1.08
	Paper tissues/napkin	290	14.50	307	15.35	299	2.79	14.93	0.14
	Shopper dockets, tickets/receipts	240	12.00	217	10.85	229	2.13	11.43	0.11
	Other paper & card	63	3.15	31	1.55	47	0.44	2.35	0.02
RUBBER	Rubber band/hair tie	35	0.18	48	0.24	42	0.39	0.21	0.00
	Rubber toy	8	0.40	4	0.20	6	0.06	0.30	0.00
	Tyre pieces	7	0.04	8	0.04	8	0.07	0.04	0.00
	Tyres	10	200.00	1	20.00	6	0.05	110.00	1.03
	Other rubber item	37	3.70	28	2.80	33	0.30	3.25	0.03
POLY	Cups (foam)	1	0.20	1	0.20	1	0.01	0.20	0.00
	Food pack./clam shells	1	0.50	-	-	1	0.00	0.25	0.00
	Insulation & Packaging	5	5.00	15	15.00	10	0.09	10.00	0.09
	Other polystyrene item	16	8.00	4	2.00	10	0.09	5.00	0.05
CLOTH	Clothing	59	59.00	50	50.00	55	0.51	54.50	0.51
	Other cloth item	73	14.60	44	8.80	59	0.55	11.70	0.11

6.0 Appendices

		Nov-25		May-26		2026FY 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	6	0.30	5	0.25	6	0.05	0.28	0.00
	Batteries	11	0.11	2	0.02	7	0.06	0.07	0.00
	Condom	5	0.03	-	-	3	0.02	0.01	0.00
	Construction materials	236	84.96	89	32.04	163	1.52	58.50	0.55
	Cotton buds/tips (non- plastic)	12	0.01	2	0.00	7	0.07	0.01	0.00
	Cutlery (non-plastic)	30	0.30	31	0.31	31	0.28	0.31	0.00
	Dog poo	26	1.30	48	2.40	37	0.35	1.85	0.02
	Electrical wire	30	0.30	28	0.28	29	0.27	0.29	0.00
	Face mask – disposable	5	0.50	4	0.40	5	0.04	0.45	0.00
	Face mask – reusable	1	0.10	4	0.40	3	0.02	0.25	0.00
	Fruit/vegetable/food	59	11.80	85	17.00	72	0.67	14.40	0.13
	Gum	1	-	-	-	1	0.00	-	-
	Ice Cream Stick	9	0.01	13	0.01	11	0.10	0.01	0.00
	Nappy	8	4.00	1	0.50	5	0.04	2.25	0.02
	Personal Effects	42	8.40	35	7.00	39	0.36	7.70	0.07
	Plate/bowl (non-plastic)	1	0.20	3	0.60	2	0.02	0.40	0.00
	Rope/string	112	22.40	67	13.40	90	0.84	17.90	0.17
	Sanitary Items	11	2.20	-	-	6	0.05	1.10	0.01
	Stirrers (non-plastic)	2	0.00	2	0.00	2	0.02	0.00	0.00
	Straw (non-plastic)	91	0.46	138	0.69	115	1.07	0.57	0.01
	Vape packaging	9	0.45	27	1.35	18	0.17	0.90	0.01
	Vape pen	11	0.55	7	0.35	9	0.08	0.45	0.00
	Vehicle parts	12	0.60	6	0.30	9	0.08	0.45	0.00
	Wet wipes	103	5.15	75	3.75	89	0.83	4.45	0.04
	Wooden items	40	4.00	44	4.40	42	0.39	4.20	0.04
	Unknown item	33	3.30	16	1.60	25	0.23	2.45	0.02

6.0 Appendices

		Nov-25		May-26		2026FY 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	1	0.12	-	-	1	0.00	0.06	0.00
	Drink pouches 150-499mL	-	-	-	-	-	-	-	-
	Drink pouches 500-999mL	-	-	-	-	-	-	-	-
	Drink pouches 1000mL-3000mL	-	-	-	-	-	-	-	-
	Drink pouches >3000mL	-	-	-	-	-	-	-	-
	Flav. Milk <150 ml	-	-	-	-	-	-	-	-
	Flav. Milk 150-499mL	-	-	2	0.75	1	0.01	0.38	0.00
	Flav. Milk 500-999mL	3	1.80	-	-	2	0.01	0.90	0.01
	Flav. Milk 1000mL-3000mL	-	-	-	-	-	-	-	-
	Flav. Milk >3000mL	-	-	-	-	-	-	-	-
	Soft Dr/FW/FJD/SpD/EnD <150 ml	1	0.12	-	-	1	0.00	0.06	0.00
	Soft Dr/FW/FJD/SpD/EnD 150-499mL	2	0.75	4	1.50	3	0.03	1.13	0.01
	Soft Dr/FW/FJD/SpD/EnD 500-999mL	4	2.40	2	1.20	3	0.03	1.80	0.02
	Soft Dr/FW/FJD/SpD/EnD 1000mL-3000mL	1	1.50	1	1.50	1	0.01	1.50	0.01
	Soft Dr/FW/FJD/SpD/EnD >3000mL	-	-	-	-	-	-	-	-
	Fruit/vegetable juice <150 ml	-	-	-	-	-	-	-	-
	Fruit/vegetable juice 150-499mL	-	-	-	-	-	-	-	-
	Fruit/vegetable juice 500-999mL	-	-	-	-	-	-	-	-
	Fruit/vegetable juice 1000mL-3000mL	1	1.50	-	-	1	0.00	0.75	0.01
	Fruit/vegetable juice >3000mL	-	-	-	-	-	-	-	-
	Water <150 ml	-	-	-	-	-	-	-	-
	Water 150-499mL	5	1.88	4	1.50	5	0.04	1.69	0.02
	Water 500-999mL	13	7.80	7	4.20	10	0.09	6.00	0.06
	Water 1000mL-3000mL	1	1.50	1	1.50	1	0.01	1.50	0.01
	Water >3000mL	-	-	-	-	-	-	-	-

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		Nov-25		May-26		2026FY 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	3	6.00	2	4.00	3	0.02	5.00	0.05
	White milk >3000mL	-	-	-	-	-	-	-	-
METAL	Beer <150 ml	-	-	-	-	-	-	-	-
	Beer 150-499mL	5	1.88	10	3.75	8	0.07	2.81	0.03
	Beer 500-999mL	1	0.60	-	-	1	0.00	0.30	0.00
	Beer 1000mL-3000mL	-	-	-	-	-	-	-	-
	Beer >3000mL	-	-	-	-	-	-	-	-
	Cider/fruit based <150 ml	-	-	-	-	-	-	-	-
	Cider/fruit based 150-499mL	-	-	-	-	-	-	-	-
	Cider/fruit based 500-999mL	-	-	-	-	-	-	-	-
	Cider/fruit based 1000mL-3000mL	-	-	-	-	-	-	-	-
	Cider/fruit based >3000mL	-	-	-	-	-	-	-	-
	Premixed spirit drinks <150 ml	2	0.24	-	-	1	0.01	0.12	0.00
	Premixed spirit drinks 150-499mL	8	3.00	8	3.00	8	0.07	3.00	0.03
	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	28	10.50	23	8.63	26	0.24	9.56	0.09
	Soft Dr/FW/FJD/SpD/EnD 500-999mL	2	1.20	3	1.80	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-25		May-26		2026FY 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	-	-	1	1.50	1	0.00	0.75	0.01
	Wine Bladders >3000mL	-	-	-	-	-	-	-	-
GLASS	Wine <150 ml	-	-	-	-	-	-	-	-
	Wine 150-499mL	1	0.38	1	0.38	1	0.01	0.38	0.00
	Wine 500-999mL	1	0.75	2	1.50	2	0.01	1.13	0.01
	Wine 1000mL-3000mL	1	1.50	-	-	1	0.00	0.75	0.01
	Wine >3000mL	-	-	-	-	-	-	-	-
	Spirit <150 ml	1	0.12	-	-	1	0.00	0.06	0.00
	Spirit 150-499mL	3	1.13	-	-	2	0.01	0.56	0.01
	Spirit 500-999mL	3	2.10	-	-	2	0.01	1.05	0.01
	Spirit 1000mL-3000mL	-	-	-	-	-	-	-	-
	Spirit >3000mL	-	-	-	-	-	-	-	-
	Premixed spirit drinks <150 ml	-	-	-	-	-	-	-	-
	Premixed spirit drinks 150-499mL	1	0.38	5	1.88	3	0.03	1.13	0.01
	Premixed spirit drinks 500-999mL	2	1.20	1	0.60	2	0.01	0.90	0.01
	Premixed spirit drinks 1000mL-3000mL	-	-	-	-	-	-	-	-
	Premixed spirit drinks >3000mL	-	-	-	-	-	-	-	-
	Beer <150 ml	-	-	-	-	-	-	-	-
	Beer 150-499mL	16	6.00	7	2.63	12	0.11	4.31	0.04
	Beer 500-999mL	1	0.60	-	-	1	0.00	0.30	0.00
	Beer 1000mL-3000mL	-	-	-	-	-	-	-	-
	Beer >3000mL	-	-	-	-	-	-	-	-
	Cider <150 ml	-	-	-	-	-	-	-	-
	Cider 150-499mL	2	0.75	-	-	1	0.01	0.38	0.00

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		Nov-25		May-26		2026FY 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	2	0.75	-	-	1	0.01	0.38	0.00
	Fruit juice 500-999mL	1	0.60	1	0.60	1	0.01	0.60	0.01
	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	-	-	1	1.50	1	0.00	0.75	0.01
	Wine-based/wine cooler >3000mL	-	-	-	-	-	-	-	-
CARD	Flav. milk (Cartons) <150 ml	-	-	-	-	-	-	-	-
	Flav. milk (Cartons) 150-499mL	-	-	3	1.13	2	0.01	0.56	0.01
	Flav. milk (Cartons) 500-999mL	1	0.60	1	0.60	1	0.01	0.60	0.01
	Flav. milk (Cartons) 1000mL-3000mL	-	-	-	-	-	-	-	-

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		Nov-25		May-26		2026FY 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	-	-	1	0.00	0.19	0.00
	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	-	-	-	-	-	-	-	-
	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	-	-	1	0.38	1	0.00	0.19	0.00
	Milk, plain (white) 500-999mL	1	0.60	1	0.60	1	0.01	0.60	0.01
	Milk, plain (white) 1000mL-3000mL	-	-	-	-	-	-	-	-
	Milk, plain (white) >3000mL	-	-	-	-	-	-	-	-
ANY	Other beverage <150 ml	-	-	-	-	-	-	-	-
	Other beverage 150-499mL	-	-	-	-	-	-	-	-
	Other beverage 500-999mL	-	-	-	-	-	-	-	-
	Other beverage 1000mL-3000mL	-	-	-	-	-	-	-	-
	Other beverage >3000mL	-	-	-	-	-	-	-	-

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		Nov-25		May-26		2026FY 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									
FRAGMENTS	"Hard plastic Size 1 – Small (> 2.5 cm to 8 cm)"	953	7.62	1,036	8.29	995	9.28	7.96	0.07
	"Hard plastic Size 2 – Medium (> 8 cm to 16 cm)"	261	4.18	361	5.78	311	2.90	4.98	0.05
	"Hard plastic Size 3 – Large (> 16 cm)"	44	1.41	96	3.07	70	0.65	2.24	0.02
FRAGMENTS	"Soft plastic Size 1 – Small (> 2.5 cm to 8 cm)"	685	5.48	777	6.22	731	6.82	5.85	0.05
	"Soft plastic Size 2 – Medium (> 8 cm to 16 cm)"	205	3.28	312	4.99	259	2.51	4.14	0.04
	"Soft plastic Size 3 – Large (> 16 cm)"	71	2.27	144	4.61	108	1.00	3.44	0.03
FRAGMENTS	"Metal Size 1 – Small (> 2.5 cm to 8 cm)"	206	4.94	141	3.38	174	1.62	4.16	0.04
	"Metal Size 2 – Medium (> 8 cm to 16 cm)"	61	2.93	44	2.11	53	0.49	2.52	0.02
	"Metal Size 3 – Large (> 16 cm)"	14	1.34	15	1.44	15	0.14	1.39	0.01
FRAGMENTS	"Glass Size 1 – Small (> 2.5 cm to 8 cm)"	296	2.37	148	1.18	222	2.07	1.78	0.02
	"Glass Size 2 – Medium (> 8 cm to 16 cm)"	50	0.80	44	0.70	47	0.44	0.75	0.01
	"Glass Size 3 – Large (> 16 cm)"	2	0.06	1	0.03	2	0.01	0.05	0.00
FRAGMENTS	"Paper and Card Size 1 – Small (> 2.5 cm to 8 cm)"	977	7.82	1,026	8.21	1,002	9.35	8.01	0.07
	"Paper and Card Size 2 – Medium (> 8 cm to 16 cm)"	327	5.23	331	5.30	329	3.07	5.26	0.05
	"Paper and Card Size 3 – Large (> 16 cm)"	49	1.57	108	3.46	79	0.73	2.51	0.02

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		Nov-25		May-26		2026FY 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	"Rubber Size 1 – Small (> 2.5 cm to 8 cm)"	83	0.66	103	0.82	93	0.87	0.74	0.01
	"Rubber Size 2 – Medium (> 8 cm to 16 cm)"	36	0.58	54	0.86	45	0.42	0.72	0.01
	"Rubber Size 3 – Large (> 16 cm)"	7	0.22	21	0.67	14	0.13	0.45	0.00
FRAGMENTS	"Polystyrene Size 1 – Small (> 2.5 cm to 8 cm)"	133	3.19	135	3.24	134	1.25	3.22	0.03
	"Polystyrene Size 2 – Medium (> 8 cm to 16 cm)"	45	2.16	42	2.02	44	0.41	2.09	0.02
	"Polystyrene Size 3 – Large (> 16 cm)"	11	1.06	14	1.34	13	0.12	1.20	0.01
FRAGMENTS	"Cloth Size 1 – Small (> 2.5 cm to 8 cm)"	57	0.46	118	0.94	88	0.82	0.70	0.01
	"Cloth Size 2 – Medium (> 8 cm to 16 cm)"	37	0.59	95	1.52	66	0.62	1.06	0.01
	"Cloth Size 3 – Large (> 16 cm)"	19	0.61	40	1.28	30	0.28	0.94	0.01
TOTAL		11,771	984.82	11,992	675.08	11,882	110.92	829.95	7.75

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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
ANY	Milk, plain (white) 1000mL-3000mL	1500	1.5
	Milk, plain (white) >3000mL	3500	3.5
	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
GLASS	Wine Bladders <150 ml	NON-CDS
	Wine Bladders 150-499mL	NON-CDS
	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