

# **Australian Litter Measure**

# LITTER SURVEY Perth Metropolitan Area May 2022

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







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Park

Main Road

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# **Executive Summary**

This report summarises the findings of the Australian Litter Measure litter surveys completed across the Perth Metropolitan Area in May 2022.

Across 104,726 square metres surveyed, a total of 18,245 items of litter were counted, with a calculated volume of 1,145.65 litres.

Cigarette Butts were found to be most common item by count, while Paper and Card Food Packaging was the highest category by volume. Industrial and Main Road sites contained the highest levels of litter observed, whilst Beaches had the lowest.

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 landcare 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. Project Summary

Perth NRM have been engaged by Keep Australia Beautiful Council ("KABC") to complete a series of litter audits utilising the Australian Litter Measure ("AusLM") method and produce a report on the findings. This is a newly developed litter count method, which aims to provide a methodology to capture standardised litter data across all states of Australia. The findings of the surveys have been summarised in the attached report, with a focus on highlighting key litter items, trends in litter volumes at the defined site types, and identifying key drivers and impacts on litter volumes overall.

# Scope

A total of 57 sites within the Perth Metropolitan area were surveyed, during a two-week period in May 2022. The sites were spread across ten local government areas. The AusLM method classifies sites into six different categories, and 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 total number of sites, and transects surveyed within each site is summarised below. Local government names have been anonymised.

Locations	Number of sites	Transects
LG_01	6	28
LG_02	5*	23
LG_03	6	28
LG_04	6	28
LG_05	5*	23
LG_06	6	28
LG_07	6	28
LG_08	6	28
LG_09	5*	23
LG_10	6	28
Total	57	265

<sup>\*</sup> Three local government areas did not include a Beach or suitable alternative site (river or coastal) within their boundary, hence those locations only included five sites.

This is the first full set of litter surveys completed using the AusLM method in Western Australia.

This initial round of surveys established baseline data for the AusLM methodology in the Perth area, as well as identified key items and indicators, enabling comparisons and trends to be tracked when future surveys under this method are undertaken. The data obtained from these surveys will also be used by KABC to track the efficacy of its programs.

# **Survey Methodology**

The 57 sites to be surveyed were selected by KABC with reference to the AusLM Site Type assessment criteria (attached at Appendix 1). Surveyors were provided theory and field training in the AusLM method, prior to commencing the surveys. They were also provided a copy of the AusLM Field Manual, which provides comprehensive guidelines on all aspects of the litter count method.

Data was collected on tablet devices, on a custom excel based database created by KABC. Litter observed was classified based on the 247 items in the current AusLM categorisation (refer Appendix 2).

The survey team worked in pairs, completing one location per team, per day. Transect establishment and set up was completed by both team members, and for litter counting there was one "spotter" to call out the items, and one person recording data to the tablet.

Site information was collected to ascertain if certain factors impacted the litter levels (such as waste and recycling bins, public transport stops, BBQ areas in parks).

Final data collation, review and analysis has been completed by Perth NRM.

# **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:

Number of items (#)	total number of individual items counted	
	And a contract of the state of the state of	
Items (#) per 1000m <sup>2</sup>	total number of individual items counted total square metres surveyed x1000	
Volume – litres (I)	total number of individual items counted x standard volume per item*	
Volume (I) per 1000m <sup>2</sup>	total number of individual items counted  x standard volume per item  total square metres surveyed  x1000	

<sup>\*</sup> The estimated standard volume for each item is attached at Appendix 3.

# 2. Overall Litter Data

# **Summary**

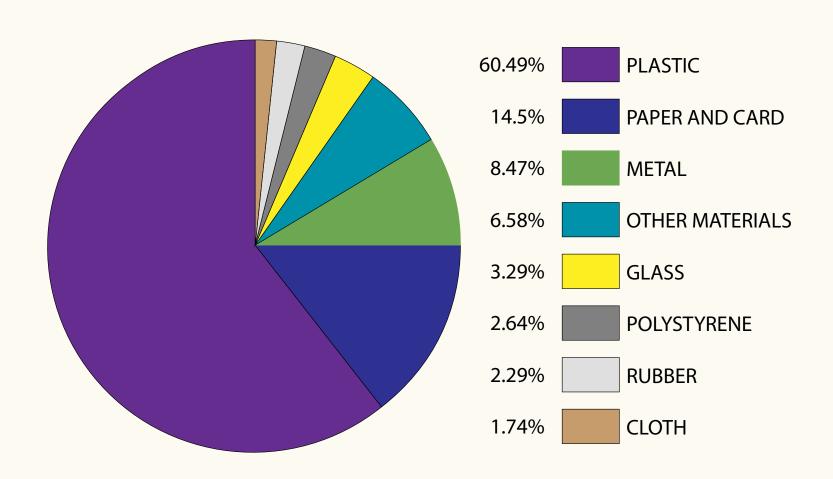
Full detail on all litter items counted has been provided at Appendix 2, in the AusLM count sheet format.

In summary, across 104,725.97 square metres surveyed, a total of 18,245 items of litter were counted, with a calculated volume of 1,145.65 litres.

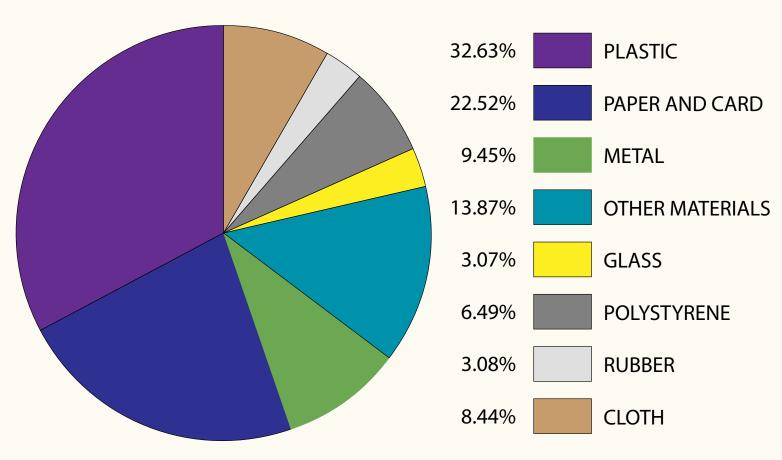
Of all litter items counted, 60.49% was made of Plastic (including Hard Plastic, Soft Plastic and Fragments). From a volume perspective, Plastic items accounted for 32.63% of the litter, with Paper and Card the second largest contributor, at 22.52% of total volume.

SUMMARY LITTER DATA				
Total Area Surveyed (m²)	Total Litter Items	Litter Items /1000m²	Total Litter Volume (I)	Litter Volume (I)/1000m²
104,725.97	18,245	174.22	1,145.65	10.94

# LITTER COUNT BY SOURCE MATERIAL



# LITTER VOLUME BY SOURCE MATERIAL



# **Top 15 Items**

Top 15 Items by Count			
Item	Number of Items	Items /1000m <sup>2</sup>	
Cigarette butts and filters	4,010	38.29	
Hard Plastic Fragment – Small	2,293	21.90	
Paper and Card Fragment – Small	1,060	10.12	
Soft Plastic Fragment – Small	921	8.79	
Food/confectionary Wrappers	826	7.89	
Hard plastic Fragment – Medium	478	4.56	
Lids, bottle tops, can ring pulls	478	4.56	
Glass Fragment – Small	448	4.28	
Aluminium foil wrap	428	4.09	
Lids - Beverage container lids /caps	326	3.11	
Tape/narrow soft plastic film	322	3.08	
Other metal item	303	2.89	
Paper tissues/napkin	303	2.89	
Paper and Card Fragment – Medium	302	2.88	
Polystyrene Fragment – Small	268	2.56	

Top 15 Items by Volume			
Item	Total Volume (I)	Volume (I)/1000m <sup>2</sup>	
Paper/card food packaging	87	0.83	
Clothing	73	0.70	
Other Food Package	59.5	0.57	
Other polystyrene item	51.5	0.49	
Rope/string	49.8	0.48	
Non-Food package	48.5	0.46	
Packages & boxes	46.5	0.44	
Aluminium foil wrap	42.8	0.41	
Food/confect. Wrappers	41.3	0.39	
Other metal item	30.3	0.29	
Construction materials	29.52	0.28	
Personal Effects	25.8	0.25	
Newspaper/Magazine	25	0.24	
Takeaway food container	22.5	0.21	
Other cloth item	21.8	0.21	

# **General Data Commentary and Key Findings**

- Western Australia has had a Container Deposit Scheme ("CDS"), named "Containers for Change" in place since October 2020. Beverage containers counted including both CDS eligible and non-CDS eligible totalled 151 or 0.82% of total items. Of these, 124 were classified as CDS eligible. As a rough basis of comparison, in the 2019/20 Western Australian National Litter Index¹, the most recently completed litter surveys prior to the CDS being initiated, total beverage containers recorded averaged 1,038 or 12.05% of total items. This data was collected in November 2019 and May 2020 and would indicate the CDS scheme has been highly effective at reducing the number of beverage containers that persist in the environment.
- Cigarette Butts were the highest litter item from a count perspective, totalling 4,010 or 21.98% of total items counted. Volume wise, they were less significant, coming in 35th highest and accounting for 0.70% of total litter volume. Cigarette butts were highly concentrated in Retail, Main Road and Industrial sites, with 91.04% found in those three site types. Cigarette Butt bins weren't commonly observed.
- Takeaway Packaging accounted for 2,423 or 13.28% of the total items counted, and 200.55 litres of the volume. Food/Confectionary Wrappers were the largest individual item by count within this category, with 826 items recorded. By volume, Paper/Card Food Packaging was the largest contributor, accounting for 43.38% of the total volume.
- Fragments made up a significant portion of litter items counted, totalling 7,058 across all categories and sizes. Hard Plastic Fragments were the most common material, accounting for 40.65% of the counted items, or 32.55% of the volume. Paper and Card Fragments were second most common, accounting for 20.92% of the counted items or 18.99% of the volume.
- Main Roads were the most highly littered site type, across both count and volume calculations. However, high levels of litter at Main Road sites was not a completely consistent trend across all locations, with a couple of sites driving the high litter figures for this site type. Industrial was the second highest site type, from both a count and volume perspective, and across the various locations, this high level of litter was a more consistent trend.
- The top four site types (Main Roads, Industrial, Residential and Retail) contributed 92.20% of total items counted, or 93.30% of the volume, leaving just 7.80% of items, or 6.7% of volume between the remaining two site types Parks and Beaches.
- The top litter item by count and volume for each site type is summarised to the right, with further data and analysis provided for both site types, and key litter items and categories in Sections 3 and 4.

TOP LITTER ITEM BY COUNT AND SITE TYPE			
Site Type	Item	<b>Total Items</b>	
Beach	Hard Plastic Fragment - Small	107	
Retail	Cigarette Butts and Filters	1,146	
Residential	Cigarette Butts and Filters	233	
Industrial	Cigarette Butts and Filters	1,400	
Park	Paper and Card Fragment - Small	143	
Main Road	Cigarette Butts and Filters	1,105	

TOP LITTER ITEM BY VOLUME AND SITE TYPE			
Site Type	Item	Total Volume (I)	
Beach	Rope/String	4	
Retail	Paper/Card Food Packaging	15.5	
Residential	Paper/Card Food Packaging	12	
Industrial	Other Polystyrene Item	32.5	
Park	Aluminium Foil Wrap	5.5	
Main Road	Other Food Package	41	

# 3. Litter Data by Site Type

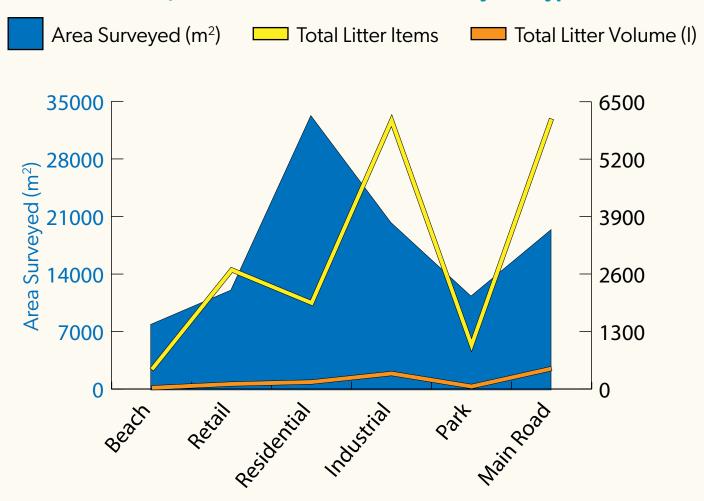
The AusLM method involves litter counts at six distinct site types. Each site type is defined in the AusLM Field Manual, along with exclusion criteria that can render a site "failed" (refer Appendix 1). Sites noted as failed were counted and included in this overall litter count, but the failure and reason for fail will be reviewed in the planning stages of any future litter survey work.

Residential sites contributed the largest area surveyed, with over 33,000 square metres surveyed. Residential sites consist of variable widths, defined as road's edge to property boundary, meaning transect widths of up to 8m were surveyed (average width was 5.5m).

Beaches contributed the smallest area to the survey, with just under 8,000 square metres surveyed. This lower representation is explained by three sites not having a suitable beach to survey, as well as the variable length of beach transects resulting in some being comparatively short i.e., distance dune to water was in some cases only roughly 15m. (The average beach transect length was 38m). The varying areas surveyed across the different site types is adjusted for in the normalised (/1000m2) figures below and further discussed on the following page.

	LITTER DATA BY SITE TYPE				
Site Type	Total Area Surveyed (m²)	Number of Items	Items /1000m <sup>2</sup>	Total Volume (I)	Volume (I) /1000m <sup>2</sup>
Beach	7,967.40	436	54.72	23.66	2.97
Retail	12,131.00	2,693	221.99	109.73	9.05
Residential	33,361.90	1,944	58.27	154.48	4.63
Industrial	20,360.00	6,073	298.28	347.04	17.04
Park	11,413.17	988	86.57	53.11	4.65
<b>Main Road</b>	19,492.50	6,111	313.51	457.62	23.48
Total	104,725.97	18,245	174.22	1,145.65	10.94

# May 2022 Litter Survey Area, Litter Count and Litter Volume by Site Type



# **Normalised Litter Data by Site Type**

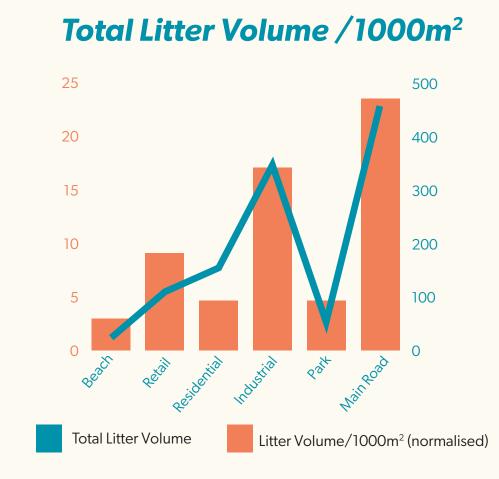
Raw litter data (# of items and volume of items) has been normalised, to adjust for the varying total square metres surveyed across each site type, and to enable more accurate comparisons about the density of litter. Normalising the data involved scaling up the total litter items and volume over a standard 1,000 sqm area, to remove the impact of the varying square metres surveyed by site type. The formulas to normalise the data are detailed in Section 2.

The normalised figures are closely aligned with the raw data trend lines for both total litter items and total litter volume, across most site types with the exception of Retail and Residential.

Retail shows higher calculated litter items and volume per 1,000m<sup>2</sup> than the raw total litter items/volume trendlines, a result of the relatively low area surveyed for Retail – and highlighting that the raw data alone somewhat understates the scale of litter in Retail sites.

Conversely, Residential sites show lower calculated litter items and volume per 1,000m<sup>2</sup> than the raw data, indicating that the litter density at Residential sites was lower than the average, once the area surveyed was taken into account.





# **Litter Items by Site Type**

From a count perspective Main Roads was the site type with the highest litter, accounting for 6,111 items or 33.49% of the total litter items surveyed.

Industrial was second highest, accounting for a further 6,073 items or 33.29%.

Together, Industrial and Main Roads contributed 66.78% of the total items counted.

Retail sites were the third highest, with 2,693 items, accounting for 14.76% of the total litter items.

Beaches contained the lowest litter levels, with only 436 items counted, equating to just 2.39% of the total items.

# 14.76% Retail 10.65% Residential 5.42% Park 33.49% Main Road 33.29% Industrial 2.39% Beach

# **Litter Volume by Site Type**

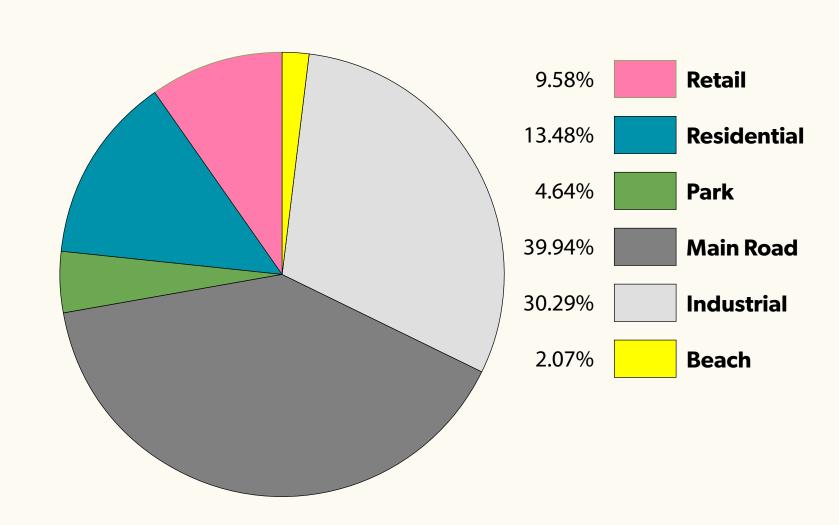
Main Roads was also the site type with the highest litter by volume, accounting for 39.94% of the total calculated litter volume.

The increased % of volume (compared to count) indicates that there is a trend towards larger, bulkier items being littered in Main Road sites, or that larger items persist for longer in a Main Road setting, compared to other site types.

Industrial remained second highest site type by volume.

Residential jumped into third place from a volume perspective, up from fourth by count.

Beaches contained the lowest litter levels by volume, accounting for just 2.07% of the calculated total volume.



# Site Type Summary - Beach

CITE CNIADCHOT			
SITE SNAPSHOT			
Total Number of Items - (#)	436		
Total Volume of Items- (I)	23.66		
Items /1000m <sup>2</sup>	54.72		
Volume (I)/1000m <sup>2</sup>	2.97		
Top 3 Items – Number (#)	Hard plastic fragments – Small		
	Cigarette butts and filters		
	Food/confect. wrappers		
Top 3 Items – Volume (I)	Rope/String		
	Other Plastic Item		
	Clothing		
Highest Site Litter Count – Number (#)	199		
Highest Site Litter Count – Volume (I)	6.67		
Lowest Site Litter Count – Number (#)	4		
Lowest Site Litter Count – Volume (I)	0.31		

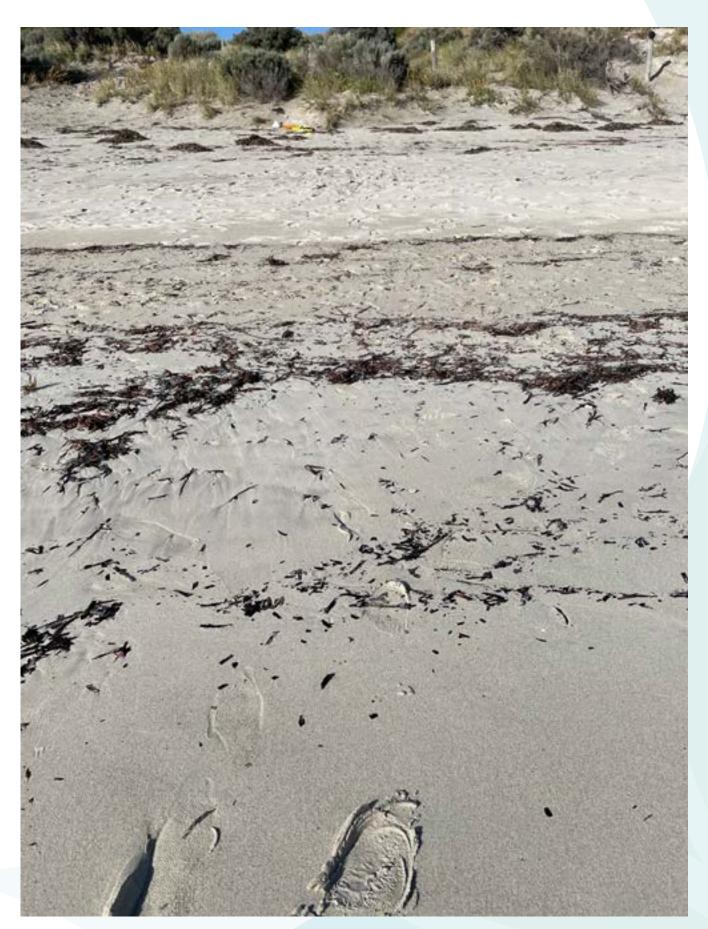
#### **Common Site Features/Observations**

General waste bins were frequently observed within Beach Sites, although not often within the transects themselves (i.e., they were often located on grassed, recreation areas adjacent to beach, or at beach carparks).

Recycling bins were observed on occasion, as well as one instance where a Containers for Change bin was noted. Evidence of cleaning (raking lines etc) was not noted at any Beach site; however Community Groups regularly coordinate beach clean-ups, which may contribute to the low levels of litter observed.

Hard Plastic Fragments made up the highest individual item found at Beach sites. This high volume of fragments could indicate that a lot of the litter found has travelled to the beach through waterways or been deposited on the beach from tidal movements (and been broken into fragments in transit).

For Beach sites without an engineered back, the survey area extended two metres into the dunes, and this was frequently a place where litter was observed.



# Site Type Summary - Retail

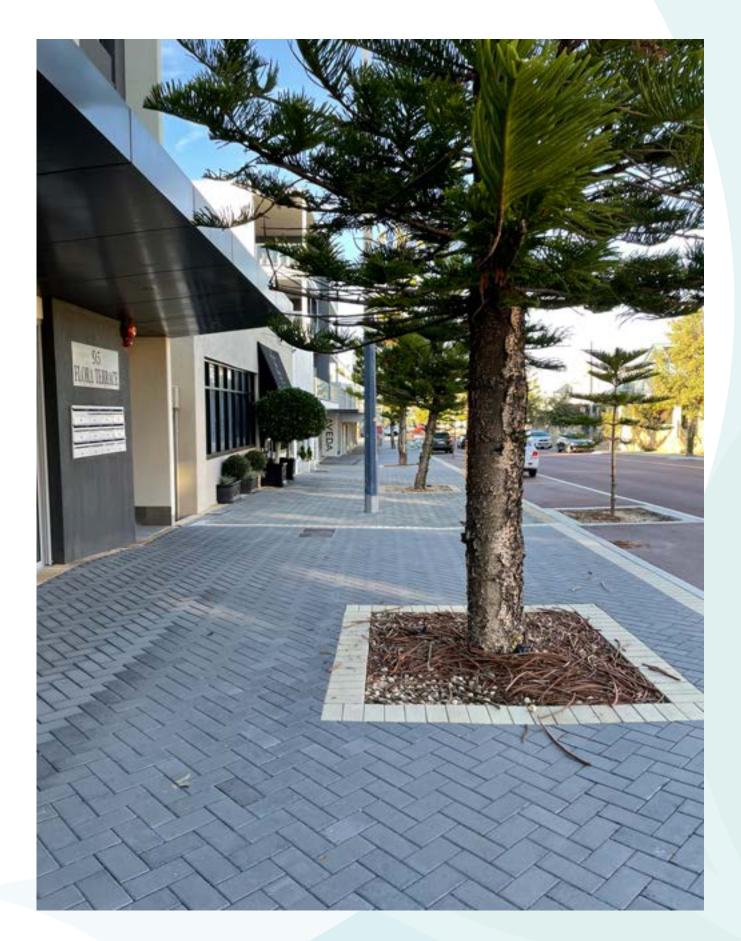
SITE SNAPSHOT			
Total Number of Items - (#)	2,693		
Total Volume of Items- (I)	109.73		
Items /1000m <sup>2</sup>	221.99		
Volume (I)/1000m <sup>2</sup>	9.05		
Top 3 Items – Number (#)	Cigarette butts and filters Paper and Card fragments – Small Food/confect. wrappers		
Top 3 Items – Volume (I)	Paper/card food packaging Food/confect. wrappers Clothing		
Highest Site Litter Count – Number (#)	554		
Highest Site Litter Count – Volume (I)	25.53		
Lowest Site Litter Count – Number (#)	38		
Lowest Site Litter Count – Volume (I)	0.94		

#### **Common Site Features/Observations**

Litter bins were frequently observed within Retail sites – most commonly general waste bins, but occasionally also comingled recycling.

Of all site types, evidence of cleaning was most common amongst retail sites, but interestingly it was sometimes confined to only certain sections of a transect, i.e., on occasion just outside particular shopfronts, (presumably by individual tenants), resulting in variable levels of litter along a single transect.

Some retail transects included access ways/alleys behind the shopfronts themselves and these tended to be more highly littered, as they often contained commercial bin areas.



# Site Type Summary - Residential

SITE SNAPSHOT		
Total Number of Items - (#)	1,944	
Total Volume of Items- (I)	154.48	
Items /1000m <sup>2</sup>	58.27	
Volume (I)/1000m <sup>2</sup>	4.63	
Top 3 Items – Number (#)	Cigarette butts and filters Hard plastic fragment – Small Paper and Card fragment – Small	
Top 3 Items – Volume (I)	Paper/card food packaging Personal effects Construction materials	
Highest Site Litter Count – Number (#)	620	
Highest Site Litter Count – Volume (I)	61.42	
Lowest Site Litter Count – Number (#)	89	
Lowest Site Litter Count – Volume (I)	4.72	

#### **Common Site Features/Observations**

Residential sites accounted for the highest area surveyed of any of the site types. Despite this, the total items counted within Residential sites was 3<sup>rd</sup> lowest.

The low level of litter may suggest individual householders regularly take responsibility for collection of litter items that end up on their verge area.



# Site Type Summary - Industrial

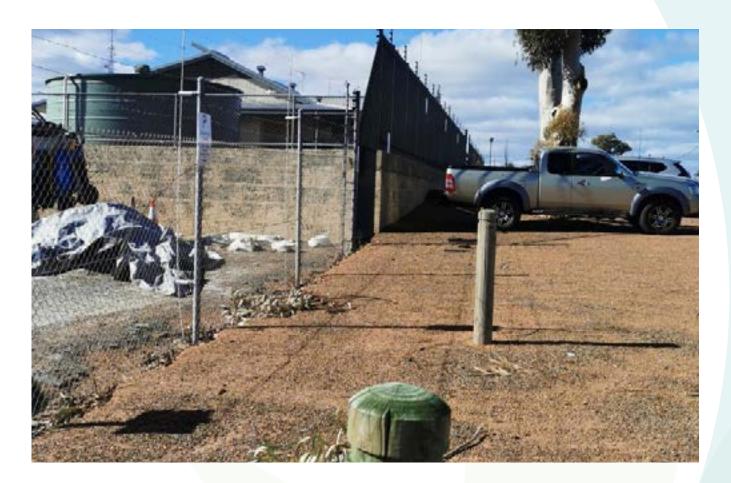
SITE SNAPSHOT		
Total Number of Items - (#)	6,073	
Total Volume of Items- (I)	347.04	
Items /1000m <sup>2</sup>	298.28	
Volume (I)/1000m <sup>2</sup>	17.04	
Top 3 Items – Number (#)	Cigarette butts and filters Hard plastic fragment – Small Soft plastic fragment – Small	
Top 3 Items – Volume (I)	Other polystyrene item Paper/card food packaging Clothing	
Highest Site Litter Count – Number (#)	1,140	
Highest Site Litter Count – Volume (I)	63.84	
Lowest Site Litter Count – Number (#)	224	
Lowest Site Litter Count – Volume (I)	14.00	

#### **Common Site Features/Observations**

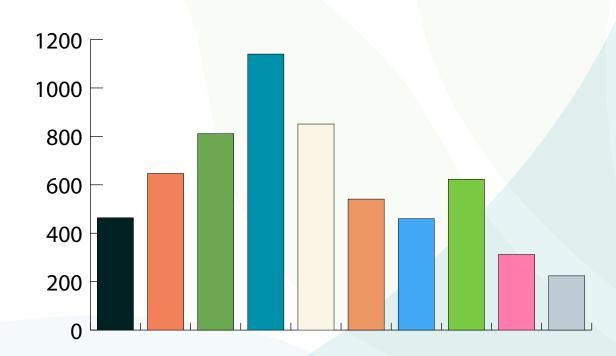
Industrial sites contained the second highest litter load, across all measures (count, count/1000m2, volume, and volume/1000m2). Litter levels were consistently high across most locations, with an average of 607 items per site.

Industrial sites frequently appeared to be highly littered. Verges tended to be poorly maintained and were often very functional spaces used to park vehicles.

They were rarely landscaped, and public bins were not commonly noted. Installation of rubbish, cigarette butt and Containers for Change bins in Industrial areas may have potential to greatly reduce the volume of litter at these sites.



LITTER COUNT BY INDUSTRIAL SITE



# Site Type Summary - Park

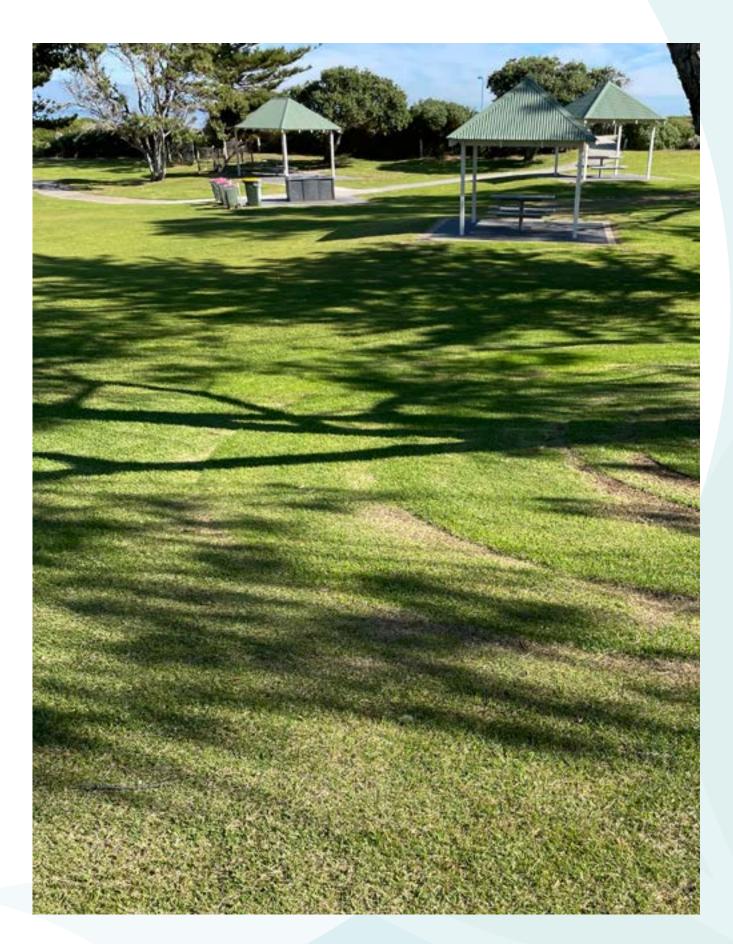
SITE SNAPSHOT		
Total Number of Items - (#)	988	
Total Volume of Items- (I)	53.11	
Items /1000m <sup>2</sup>	86.57	
Volume (I)/1000m <sup>2</sup>	4.65	
Top 3 Items – Number (#)	Paper and Card fragment – Small	
	Soft plastic fragment – Small	
	Cigarette butts and filters	
Top 3 Items – Volume (I)	Aluminium foil wrap	
	Paper/card food packaging	
	Food/confect. wrappers	
Highest Site Litter Count – Number (#)	299	
Highest Site Litter Count – Volume (I)	14.50	
Lowest Site Litter Count – Number (#)	22	
Lowest Site Litter Count – Volume (I)	112	

#### **Common Site Features/Observations**

Overall, parks were one of the lowest littered sites. Items identified as fragments (of all materials and sizes) accounted for 422 or 42.71% of the litter counted, possibly a result of mowing that frequently occurs at public parks.

Litter bins were commonly observed at park sites.

The recorded presence of features such as BBQs, playgrounds and bench seating within the individual transects often appeared to impact the litter load (the highest transect count within each site type was noted to contain a BBQ, playground or bench seating at 7 of 10 locations).



# Site Type Summary - Main Road

SITE SNAPSHOT		
Total Number of Items - (#)	6,111	
Total Volume of Items- (I)	457.62	
Items /1000m <sup>2</sup>	313.51	
Volume (I)/1000m <sup>2</sup>	23.48	
Top 3 Items – Number (#)	Cigarette butts and filters	
	Hard plastic fragment – Small	
	Paper and card fragment – Small	
Top 3 Items – Volume (I)	Other Food Package	
	Clothing	
	Paper/card food packaging	
Highest Site Litter Count – Number (#)	2,324	
Highest Site Litter Count – Volume (I)	232.18	
Lowest Site Litter Count – Number (#)	98	
Lowest Site Litter Count – Volume (I)	4.11	

#### **Common Site Features/Observations**

Main Roads were found to be the highest littered sites across all measures (count, count/1000m², volume, and volume/1000m²).

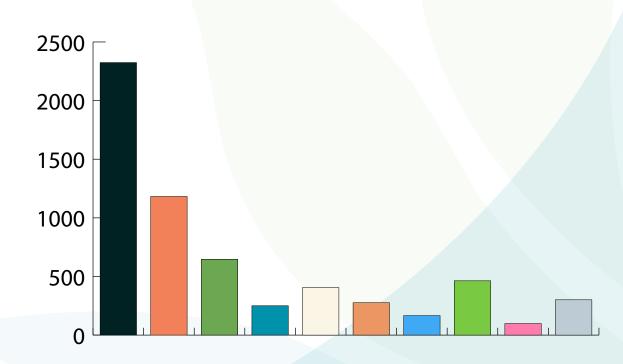
Across the 10 sites, the average litter per site was 611 items, however as demonstrated in the graph opposite, there were two highly littered sites that together accounted for 3,506 or 57.37% of the litter.

With these removed the average litter per Main Road site reduces to 326, indicating the litter load in Main Roads is not a consistent issue across all areas.

Litter appeared to be distributed along Main Road sites evenly where footpaths were and were not present, suggesting that litter discarded from vehicles was a contributing factor/source. As a result, continued messaging around not littering from car windows, as well as installation of more bins in targeted roadside areas may be strategies that would reduce the litter at these sites.



LITTER COUNT BY MAIN ROADS SITE



# 4. Key Categories and Items

# **Single Use Plastics**

Single Use Plastics include items captured by the WA Government's "Plan for Plastics", a phased Single Use Plastic ban, which came into effect on 1st January 2022.

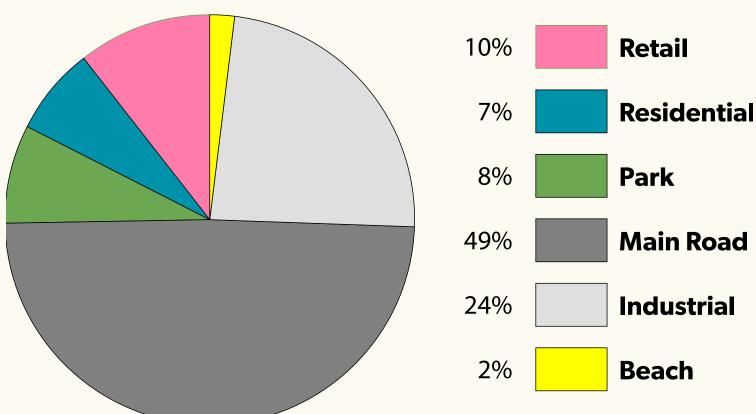
Items include single use plastic bags, cutlery, straws, plastic cups and lids, coffee cups and lids and polystyrene food containers. Refer Appendix 4 for a count sheet indicating all items captured in this category.

'Other Food Packaging' contributed the largest quantity and volume of Single Use Plastic waste, totalling 119 items, or 59.5 litres. This equated to 17.95% of the number of items, or 44.94% of the volume.

Straws were second highest by count, with 114 items recorded, but represented only 0.43% of the total volume.

Takeaway food containers, with 45 items counted, were the second largest contributor by volume.

#### CONCENTRATION OF SINGLE USE PLASTICS BY SITE



KEY ITEM SNAPSHOT: SINGLE USE PLASTICS		
Total Number of Items - (#)	663	
Total Volume of Items- (I)	132.41	
Highest Site Litter Count – Number (#)	217	
Highest Site Litter Count – Volume (I)	58.12	
Lowest Site Litter Count – Number (#)	0	
Lowest Site Litter Count – Volume (I)	0	

DETAIL - SINGLE USE PLASTICS			
Item	Number of Items	Total Volume (I)	
Other Food Package	119	59.5	
Straws	114	0.57	
Lids - Plastic cup lid	99	1.98	
Bag - Other	63	12.6	
Bag -Lightweight shop	53	10.6	
Cup – Single use	53	10.6	
Takeaway food container	45	22.5	
Cup - Coffee cup	38	7.6	
Lids -Coffee cup lid	35	0.7	
Cutlery/chopsticks	25	0.25	
Cotton buds/tips	10	0.01	
Bag - Heavy Boutique	4	4	
Food pack./clam shells	2	1	
Plate/bowl - single use	2	0.4	
Bag - Mesh Bags	1	0.1	
TOTAL	663	132.41	

# **Beverage Containers**

The analysis below has been provided for beverage containers eligible for a 10c refund under Western Australia's CDS.

A large portion of CDS containers found were in Industrial and Main Road sites, with these two site types alone accounting for 76.61% of items counted. No CDS containers were observed at Beach sites. One Beach site contained a dedicated CDS collection bin, which had some containers present.

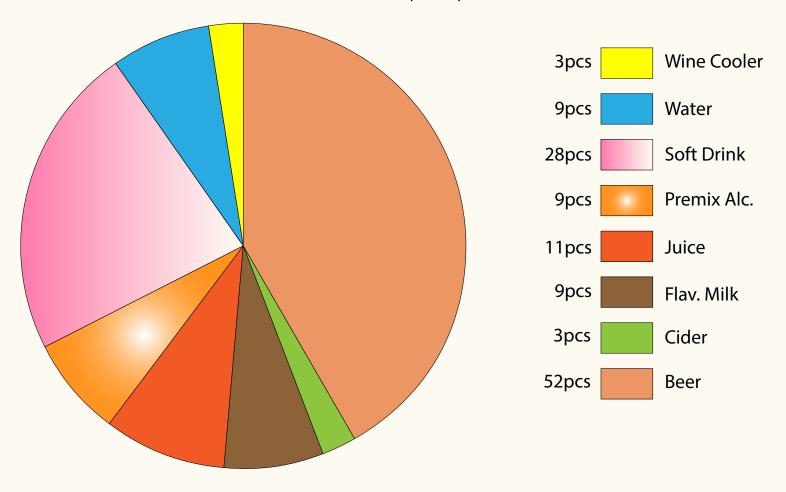
Beer was the largest contributor, accounting for 52 of the 124 items, or 41.94%. Soft drinks were the second highest, accounting for 22.58%

KEY ITEM SNAPSHOT: BEVERAGE CONTAINERS (CDS)		
Total Number of Items - (#)	124	
Total Volume of Items- (I)	56.18	
Highest Site Litter Count – Number (#)	18	
Highest Site Litter Count – Volume (I)	9	
Lowest Site Litter Count – Number (#)	0	
Lowest Site Litter Count – Volume (I)	0	

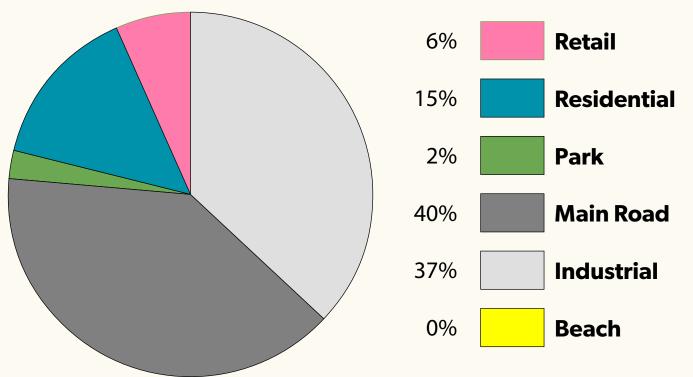
#### **Other Non-CDS Beverage Containers**

Total Beverage Containers (including CDS and Non-CDS) was 151 – in addition to the reported 124 CDS containers there were a further 27 containers counted, that were classified as not being eligible for the CDS scheme.

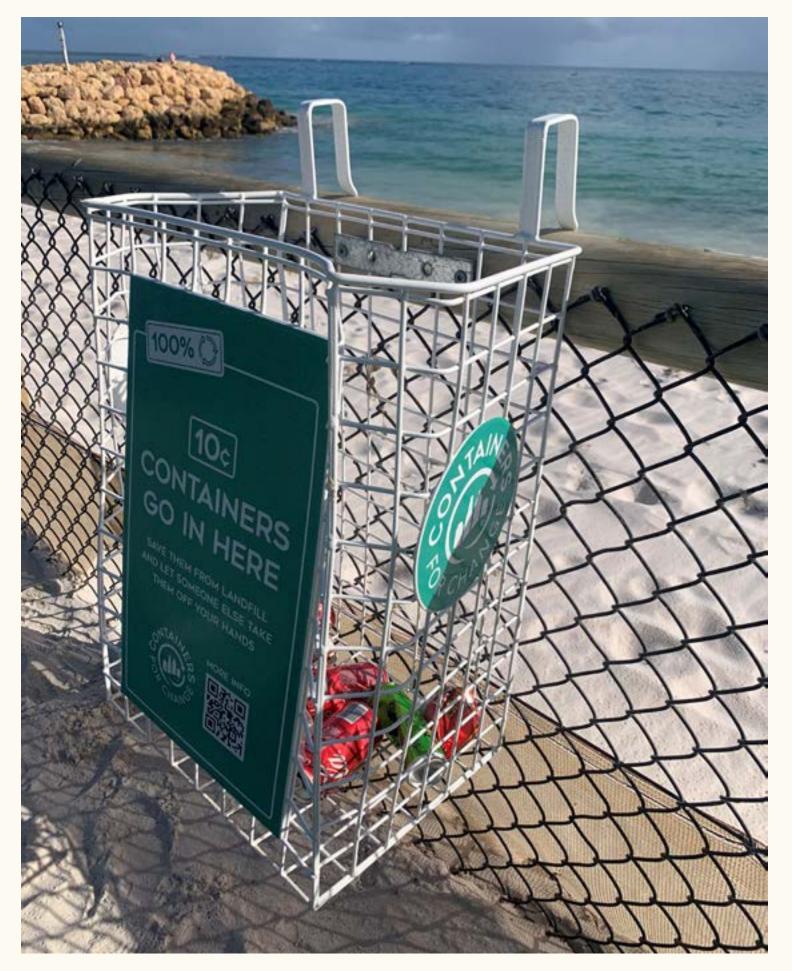
#### BEVERAGE CONTAINERS (CDS) COUNT BY TYPE



#### CONCENTRATION OF BEVERAGE CONTAINERS (CDS) BY SITE



DETAIL - BEVERAGE CONTAINERS (CDS)		
Item	# Items	Volume (I)
Glass Beer 150-499mL	26	9.75
Metal Beer 150-499mL	17	6.38
Metal Soft Dr/FW/FJD/SpD/EnD 150-499mL	14	5.25
Plastic Fruit/vegetable juice 150-499mL	8	3.00
Metal Premixed spirit drinks 150-499mL	6	2.25
Glass Beer 500-999mL	5	3.00
Metal Beer 500-999mL	4	2.40
Metal Soft Dr/FW/FJD/SpD/EnD 500-999mL	4	2.40
Plastic Soft Dr/FW/FJD/SpD/EnD 150-499mL	4	1.50
Plastic Flav. Milk 150-499mL	4	1.50
Glass Wine-based/wine cooler 500-999mL	3	1.80
Plastic Flav. Milk 500-999mL	3	1.80
Glass Soft Dr/FW/FJD/SpD/EnD 150-499mL	3	1.13
Glass Water 150-499mL	3	1.13
Plastic Water 1000mL-3000mL	2	3.00
Plastic Soft Dr/FW/FJD/SpD/EnD 500-999mL	2	1.20
Plastic Fruit/vegetable juice 500-999mL	2	1.20
Glass Premixed spirit drinks 150-499mL	2	0.75
Glass Cider 150-499mL	2	0.75
Plastic Water 150-499mL	2	0.75
Metal Premixed spirit drinks 1000mL-3000mL	1	1.50
Glass Soft Dr/FW/FJD/SpD/EnD 500-999mL	1	0.60
Glass Water 500-999mL	1	0.60
Glass Cider 500-999mL	1	0.60
Paper Flav. milk (Cartons) 500-999mL	1	0.60
Plastic Water 500-999mL	1	0.60
Glass Fruit juice 150-499mL	1	0.38
Paper Flav. milk (Cartons) 150-499mL	1	0.38
TOTAL	124	56.18



# **Cigarette Butts**

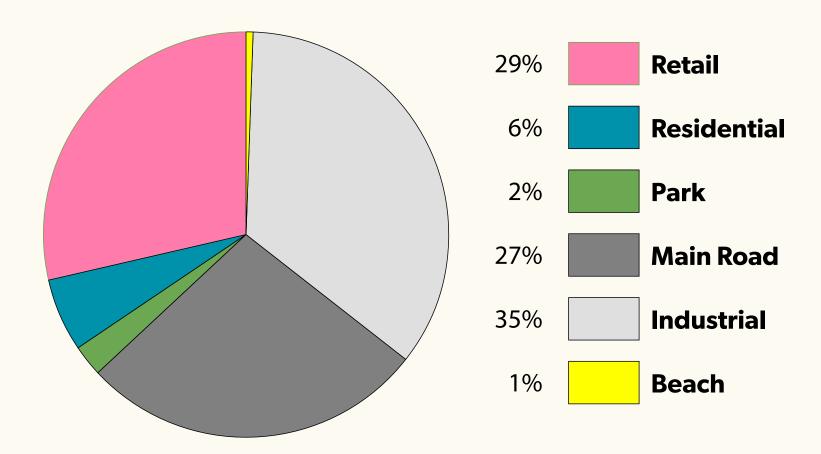
Cigarette Butts were the highest individual litter item by count, with a total of 4,010 Cigarette Butts (and filters) observed.

Together, Retail, Main Road and Industrial accounted for 91.04% of the total Cigarette Butts counted.

Cigarette Butt bins were not commonly observed at the locations surveyed, but the data would indicate installation of public cigarette butt bins may be of most benefit in Retail, Industrial and roadside (Main Road) areas (i.e., including public transport stops, rest points).

Messaging around collecting used butts in vehicles for proper disposal at a later date (i.e., utilising an ashtray) may reduce the volume of cigarette butts in both Main Road (tossed from window) and Industrial (disposed from parked cars) sites.

#### CONCENTRATION OF CIGARETTE BUTTS BY SITE



KEY ITEM SNAPSHOT: CIGARETTE BUTTS		
Total Number of Items - (#)	4010	
Total Volume of Items- (I)	8.02	
Highest Site Litter Count – Number (#)	360	
Highest Site Litter Count – Volume (I)	0.72	
Lowest Site Litter Count – Number (#)	0	
Lowest Site Litter Count – Volume (I)	0	



# **Takeaway Food Packaging**

Takeaway Food Packaging contains a range of materials used to wrap, package and transport takeaway foods. Refer Appendix 4 for a count sheet indicating all items captured in this category.

KEY ITEM SNAPSHOT: TAKEAWAY FOOD PACKAGING		
Total Number of Items - (#)	2,423	
Total Volume of Items- (I)	200.55	
Highest Site Litter Count – Number (#)	336	
Highest Site Litter Count – Volume (I)	40.61	
Lowest Site Litter Count – Number (#)	1	
Lowest Site Litter Count – Volume (I)	0.001	

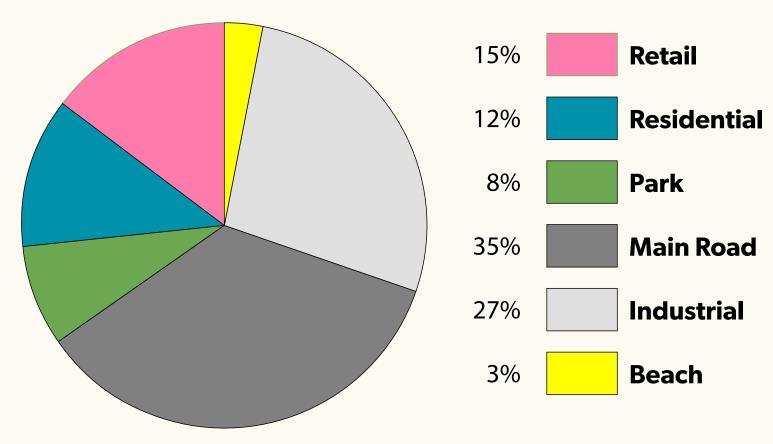
Takeaway Food Packaging accounted for 13.28% of the total litter items counted, and 17.50% of the volume.

The detail of individual items is provided on the following page, but the largest contributors by count were Food and confectionary wrappers, Metal lids/bottle caps and Plastic beverage container lids.

By volume, Paper and card food packaging was the largest contributor, followed by Food and confectionary wrappers and Plastic takeaway containers.

The number of takeaway items is closely aligned with the overall litter items by site type, with the exception of Industrial which was slightly below the trend line and Main Roads, which was slightly above. This indicates that Takeaway Food Packaging is proportionately the largest issue in the Main Road site type. This can be seen on the graph on page 23.

#### CONCENTRATION OF TAKEAWAY FOOD PACKAGING BY SITE



DETAIL - TAKEAWAY FOOD PACKAGING		
Item	# Items	Volume (I)
Food/confect. Wrappers	826	41.30
Lids, bottle tops, can ring pulls	478	0.96
Lids - Beverage container lids /caps	326	6.52
Paper/card food packaging	174	87.00
Straws	114	0.56
Lids - Plastic cup lid	99	1.98
Lollipop Sticks	69	0.07
Cup - Other paper cup	63	12.60
Cup – Single use	53	10.60
Takeaway food container	45	22.50
Cup - Coffee cup	38	7.60
Lids -Coffee cup lid	35	0.70
Ice Cream Stick	29	0.03
Cutlery/chopsticks	25	0.25
Lids - Other	19	0.38
Ice cream wrappers	10	0.20
Foil takeaway container	9	4.50
Cups (foam)	7	1.40
Food pack./clam shells	2	1.00
Plate/bowl – single use	2	0.40
Stirrers	0	0.00
Six pack rings	0	0.00
Total	2,423	200.55

COMPARISON:
TAKEAWAY FOOD PACKAGING AGAINST TOTAL LITTER COUNT

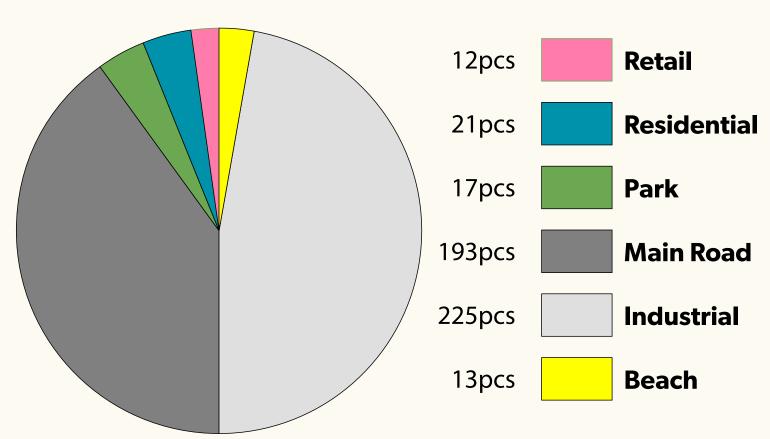


# **Polystyrene**

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

KEY ITEM SNAPSHOT: POLYSTYRENE		
Total Number of Items - (#)	481	
Total Volume of Items- (I)	79.47	
Highest Site Litter Count – Number (#)	97	
Highest Site Litter Count – Volume (I)	15	
Lowest Site Litter Count – Number (#)	0	
Lowest Site Litter Count – Volume (I)	0	

#### CONCENTRATION OF POLYSTYRENE BY SITE



Fragments were the most common Polystyrene item found by count, with total fragments of all sizes accounting for 355 of the 481 items found, or 73.80%.

It was evident when completing the count, this high proportion of fragments within this category is a product of the fragile nature of polystyrene and its tendency to break into many smaller parts.

DETAIL - POLYSTYRENE							
Item	Item Number of Items Total Volume (I)						
Polystyrene Fragment - Small	268	6.43					
Other polystyrene item	103	51.50					
Polystyrene Fragment - Medium	67	3.22					
Polystyrene Fragment - Large	20	1.92					
Insulation & Packaging	14	14.00					
Cups (foam)	7	1.40					
Food pack./clam shells	2	1.00					
Total	481	79.47					

# **Fragments - All Materials**

Fragments are defined in the AusLM Field Manual 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 counted and classified by their source material, and size;

- small (2.5 cm to 8 cm)
- medium (8 cm to 16 cm)
- Large (anything bigger than 16 cm)

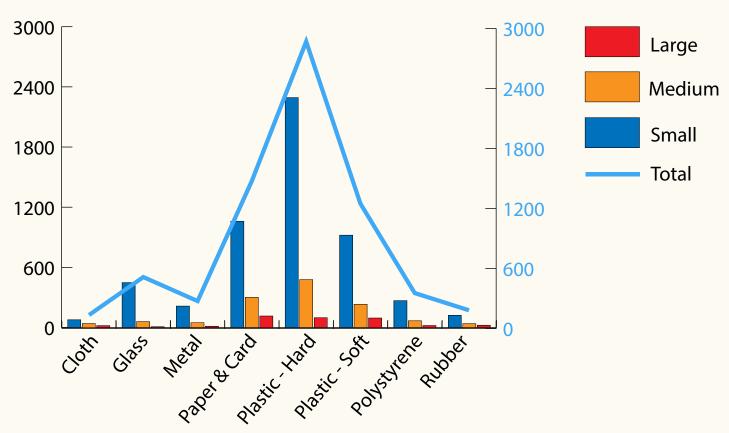
Fragments made up a significant portion of litter items counted, totalling 7,058 across all categories and sizes.

Across the material types, small fragments were consistently the most common size found. Hard Plastic was the most common material for small and medium fragments, and Paper and Card for large.

Soft Plastic fragments were third highest and were less than half the number and volume of Hard Plastic. This is possibly due to the flexible nature of soft plastic; this material is more likely to persist in the environment in its original form e.g., whole plastic bags, food/confectionary wrappers, whilst the more rigid nature of Hard Plastic means it is more likely to break into fragments, which remain in the environment in fragment form.

TOTAL FRAGMENTS						
Material	Small (#)	Medium (#)	Large (#)	Total (#)	Volume (I)	
Cloth	77	40	19	136	1.86	
Glass	448	59	8	515	4.78	
Metal	214	48	13	275	8.69	
Paper & Card	1,060	302	115	1,477	16.99	
Plastic (Hard)	2,293	478	98	2,869	29.13	
Plastic (Soft)	921	232	95	1,248	14.12	
Polystyrene	268	67	20	355	11.57	
Rubber	121	39	23	183	2.33	
Total	5,402	1,265	391	7,058	89.47	





# **5. Other Observations**

# **Items of Note - Facemasks**

Over the period 2020 – 2022, the Coronavirus Pandemic has resulted in a number of Public Health Orders, including periods of Facemask mandates across the Perth Metropolitan Area.

Facemasks made up a relatively small portion of the total litter counted, totalling just 0.44% of the total items, or 0.70% of the volume.

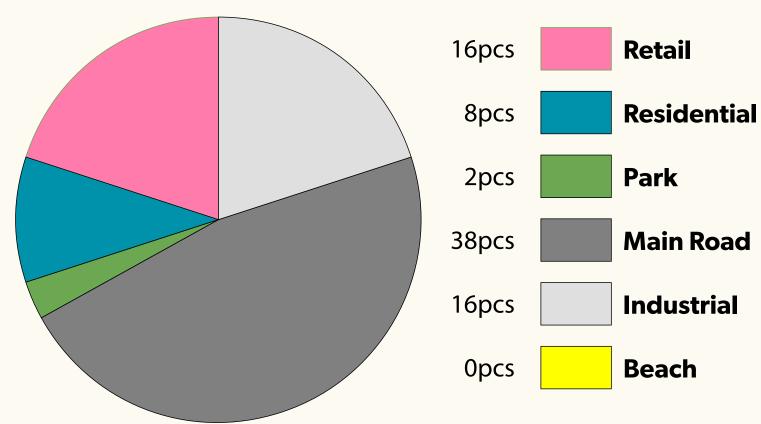
Nearly half (47%) of the facemasks counted were found in Main Road sites. There were no facemasks counted at beach sites.

Of the 80 masks counted, 72 were disposable, and the balance were fabric/reusable.

At the time of the Litter Surveys (May 2022) there were limited Facemasks mandates in place, with them required to be worn only in certain settings (public transport, airports, hospitals, residential aged care and disability service facilities, and correctional facilities.) This contrasts with four months prior, when Masks were mandatory in all Public indoor venues.

KEY ITEM SNAPSHOT: FACE MASKS				
Total Number of Items - (#)	80			
Total Volume of Items- (I)	8			
Highest Site Litter Count – Number (#)	16			
Highest Site Litter Count – Volume (I)	1.6			
Lowest Site Litter Count – Number (#)	0			
Lowest Site Litter Count – Volume (I)	0			

#### CONCENTRATION OF FACEMASKS BY SITE



# **Illegal Dumping**

There were occasions where illegal dumping was observed during the litter surveys. In three instances, there was dumping noted within a specific transect, and accordingly, per the AusLM Field Manual, the items found were excluded from the count and the area containing the items plus a one metre buffer was excluded from the surveyed area.

The total volume of illegal dumping inside transect boundaries was estimated at two medium loads, and one small load. Items of this nature observed included mattresses, sheets, construction waste and clothing.

Adjacent to, but outside of transect boundaries there was additional instances of dumped clothing and footwear observed (these had no impact on reported figures but have been noted here for context).









# **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	sion 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.
<b>Exclusion criteria</b>	☐ 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.
<b>Exclusion criteria</b> Industrial areas that are accessed by a private road. e.g. Industrial parks where the listed ad	
	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 <b>one or more</b> 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
<b>Exclusion criteria</b>	☐ 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.

# **Total Items and Volume in Count Sheet Format**

P		Item	Total Number of Items	Items /1000m2	Total Volume (I)	Volume (I)/1000m2
A Sac - Dep Pege	Р					
5         Day - Frain/Veg         4         0.04         0.50         0.01           T         Bay - Center Recausable         1         0         0.32         250.00         0.20           1         Bay - New Septembrit         8         0.08         8.00         0.09           C         Bay - Sept Septembrit         8         0.08         8.00         0.00           Cell Septembrit         8         0.08         8.00         0.00           Cell Septembrit         1         0.00         0.00         0.00           Cell Septembrit         1         0.00         0.00         0.00           Cell Septembrit         1         0.00         0.00         0.00         0.00           Call Septembrit         1         0.00         0.02         0.00         0.00           Call Septembrit         1         0.00         0.00         0.00         0.00         0.00           Call Septembrit         1         0.00         0.00         0.00         0.00         0.00           Call Septembrit         2         0.00         0.00         0.00         0.00         0.00           Call Septembrit         2         0.00         0.00	L					
T   Seg Servey Southpres						
Sea - Newsy Supermixt						-
C         Big—Lee         0         0.00         D.00           Big—Lee         0         0.00         D.00         D.00           Big—Link Mig—Link         1         1         0.05         0.10         0.00           Big—Chine         1         1         0.05         0.10         0.00         0.00           Big—Chine         1         1         0.05         0.10         0.00         0.00           Call Call Call         2         0.01         0.02         0.02         0.00         0.00           Call Call Call Call Call Call Call Call	T					
Sat - Let						
Bag   Lightweight shop   53						
Barr-Other   Barr-Other   B3						
Description   Content bug						
Caber ties  (172		Bag - Other	63	0.60	12.60	0.12
Ciparette Lighters   3   0.09   0.03   0.00   Cotton bash/sips   10   0.01   0.01   0.00   Cup - Reutable   1   0.01   0.02   0.01   0.00   Cup - Reutable   1   0.01   0.02   0.00   Cup - Reutable   1   0.01   0.02   0.00   Cup - Reutable   5   0.09   0.25   0.00   Fishing related   5   0.09   0.25   0.00   Fishing related   5   0.09   0.25   0.00   Cut expression of the cut of the						
Caprette packet collophane wrap					ł	
Cotton build/hips Cup - Reusable 1 1 0.01 0.20 0.00 0.00 0.00 0.00 0.00 0						
Cup - Single use         \$3         0.51         1.060         0.10           Cup Revable         1         0.01         0.20         0.00           Cut Percy/Pospoticks         2.5         0.24         0.25         0.00           Foliage related         5         0.05         0.25         0.00           Bood Conflect, Wasperrs         8.26         7.89         41.30         0.39           Uds - Florida Conflect, Wasperrs         8.26         7.89         41.30         0.39           Uds - Florida Conflect, Wasperrs         8.26         3.81         1.65         2.00         0.06           Uds - Plate Cup Id         9         0.95         1.98         0.02         0.06         0.07         0.00           Uds - Other         19         0.18         0.38         0.02         0.						-
Cutery-(roperties)   1						
Cutrery/chopatricks						-
Ubs Peerage container lids / Cops   10.5   1.5		-				
Lids - Reverage container Lids / Caps   3.76   3.11   6.52   0.08			5	0.05		0.00
Uds - Plastic cup   Id   99						
Lids-Coffee cupild   S5		-				
Ulso-Other   19						
Lollpop Sticks   69		·				
Non-Food bottle						
Non-Food package						-
Plate/bowl - reuzable   0						
Plate/powl - revusable		Other Food Package	119	1.14	59.50	0.57
Plastic wrap non-food						
Six pack rings						
Strapping band   Signary   Straws   S						
Strews			-			
Straws						
Syringe			-			
Tape/narrowsoft plastic film   322   3.07   16.10   0.15     Tobacco pouch   0   0.000   0.000   0.000   0.000     Toys   24   0.23   2.40   0.02     Whipper sinjper cord   7   0.07   0.04   0.00     Other plastic item   2111   2.01   21.10   0.20     M Aerosol cans   1   0.01   0.30   0.00     E Aluminum foil wrap   42.8   4.09   42.80   0.41     T Foil takeaway container   9   0.09   4.50   0.04     A Lidis, bottle tops, can ring pulls   478   4.56   0.96   0.01     L Other metal item   303   2.89   30.30   0.29     GLASS   Glass jars   8   0.08   3.00   0.03     Other glassi item   24   0.23   4.80   0.05     A Cup - Coffee cup   38   0.56   7.60   0.07     P Cigarette packets   63   0.60   6.30   0.06     A Cup - Coffee cup   38   0.36   7.60   0.07     P Cup - Other paper cup   63   0.60   12.60   0.12     E Tec cream wrappers   10   0.10   0.20   0.00     R Junk mal / free circulars   30   0.29   15.00   0.14     Newspaper/Magazine   50   0.44   8   25.00   0.24     R Packages & boxes   93   0.89   46.50   0.04     R Paper tags   24   0.23   7.20   0.07     C Paper/Card food packaging   174   1.66   87.00   0.83     A Paper tissues/napkin   303   2.89   15.15   0.14     R Shopper dockets, fickets/receipts   199   1.90   9.95   0.10     Tyre pieces   38   0.36   0.19   0.00     Tyre pieces   38   0.00   0.13     Table prove   14   0.01   1.00   0.11     The Cup of the prove pager and pager tages   1.40   0.01     Tyre pieces						
Tobacco pouch   0		Takeaway food container	45	0.43	22.50	0.21
Toys						
Whipper snipper cord         7         0.07         0.04         0.00           Other plastic tem         211         2.01         21.10         0.20           M         Aerosol cans         1         0.01         0.30         0.00           E         Aluminium foll wrap         428         4.09         42.80         0.41           T         Foil takeaway container         9         0.09         4.50         0.04           A         Lids, bottle tops, can ring pulls         478         4.55         0.96         0.01           L         Other metal item         303         2.89         30.30         0.29           GlASS         Glass jars         8         0.08         3.00         0.03           Other glass item         24         0.23         4.80         0.05           P         Cigarette packets         63         0.60         6.30         0.06           A         Cup - Offier eup         38         0.36         7.60         0.07           P         Cigarette packets         63         0.60         6.30         0.06           A         Cup - Offier eup         38         0.36         7.60         0.07						
Other plastic item         211         2.01         21.10         0.20           M         Aerosol cans         1         0.01         0.30         0.00           E         Auminium foll wrap         428         4.09         42.80         0.41           T         Foil takeaway container         9         0.09         4.50         0.04           A         Lids, bottle tops, can ring pulls         478         4.56         0.96         0.01           L         Other metal item         303         2.89         30.30         0.29           GLASS         Glass jars         8         0.08         3.00         0.03           Other glass item         24         0.23         4.80         0.05           P         Cigarette packets         63         0.60         6.30         0.06           A         Cup - Other paper cup         63         0.60         6.30         0.06           A         Cup - Other paper cup         63         0.60         12.60         0.12           E         E         Lee cream wrappers         10         0.10         0.20         0.00           R         Junk mail / free circulars         30         0.29         1						-
M         Aerosol cans         1         0.01         0.30         0.00           E         Aluminum foil wrap         428         4.09         42.80         0.41           T         Foil takesway container         9         0.09         4.50         0.04           A         Lids, bottle tops, can ring pulls         478         4.56         0.96         0.01           L         Other metal item         303         2.89         30.30         0.29           GLASS         Glass jars         8         0.08         3.00         0.03           Other glass item         24         0.23         4.80         0.05           P         Cigarette packets         63         0.60         6.30         0.06           A         Cup - Offee cup         38         0.36         7.60         0.07           P         Cug-ackets         63         0.60         12.60         0.12           E         Le cream wrappers         10         0.10         0.20         0.00           R         Junk mail / free circulars         30         0.29         15.00         0.14           Newspaper/Nagazine         50         0.48         25.00         0.24 </th <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>						
E         Aluminium foil wrap         428         4.09         42.80         0.41           T         Foil takeavay container         9         0.09         4.50         0.04           A         Ldb, bottle tops, can ring pulls         478         4.56         0.96         0.01           L         Other metal item         303         2.89         30.30         0.29           GLSS         Glass jars         8         0.08         3.00         0.03           Other glass item         24         0.23         4.80         0.05           P         Cigarette packets         63         0.60         6.30         0.06           A         Cup - Coffee cup         38         0.36         7.60         0.07           P         Cup - Other paper cup         63         0.60         12.60         0.12           E         te ceream wrappers         10         0.10         0.20         0.00           R         Junk mail / free circulars         30         0.29         15.00         0.14           Newspaper/Magazine         50         0.48         25.00         0.24           &         Packages & boxes         93         0.89         46.50 <t< th=""><th>M</th><th></th><th></th><th></th><th></th><th></th></t<>	M					
A         Lids, bottle tops, can ring pulls         478         4.56         0.96         0.01           L         Other metal item         303         2.89         30.30         0.29           GLASS         Glass jars         8         0.08         3.00         0.03           Other glass Item         24         0.23         4.80         0.05           P         Cigarette packets         63         0.60         6.30         0.06           A         Cup - Other paper cup         63         0.60         12.60         0.12           E         Ice cream wrappers         10         0.10         0.20         0.00           R         Junk mail / free circulars         30         0.29         15.00         0.14           Newspaper/Magazine         50         0.48         25.00         0.24           &         Packages & boxes         93         0.89         46.50         0.44           Paper bags         24         0.23         7.20         0.07           C         Paper/card food packaging         174         1.66         87.00         0.83           A         Paper tissues/napkin         303         2.89         15.15         0.14     <	Ε		428			0.41
L         Other metal item         303         2.89         30.30         0.29           GLASS         Glass jars         8         0.08         3.00         0.03           Other glass item         24         0.23         4.80         0.05           P         Cigarette packets         63         0.60         6.30         0.06           A         Cup - Offee cup         38         0.36         7.60         0.07           P         Cup - Other paper cup         63         0.60         12.60         0.12           E         tex cream wrappers         10         0.10         0.20         0.00           R         Junk mail / free circulars         30         0.29         15.00         0.14           Newspaper/Magazine         50         0.48         25.00         0.24           &         Packages & boxes         93         0.89         46.50         0.44           Paper bags         24         0.23         7.20         0.07           C         Paper/card food packaging         174         1.66         87.00         0.83           A         Paper tissues/napkin         303         2.89         15.15         0.14	T	Foil takeaway container	9	0.09	4.50	0.04
GLASS         Glass jars         8         0.08         3.00         0.03           Other glass item         24         0.23         4.80         0.05           P         Cigarette packets         63         0.60         6.30         0.06           A         Cup - Coffee cup         38         0.36         7.60         0.07           P         Cup - Other paper cup         63         0.60         12.60         0.12           E         Ice cream wrappers         10         0.10         0.20         0.00           R         Junk mail / free circulars         30         0.29         15.00         0.14           Newspaper/Magazine         50         0.48         25.00         0.24           R         Packages & boxes         93         0.89         46.50         0.44           Paper bags         24         0.23         7.20         0.07           C         Paper classues/napkin         303         2.89         15.15         0.14           R         Shopper dockets, tickets/receipts         199         1.90         9.95         0.10           D         Other paper & card.         118         1.13         5.90         0.06						
Other glass item         24         0.23         4.80         0.05           P         Cigarette packets         63         0.60         6.30         0.06           A         Cup - Other cup         38         0.36         7.60         0.07           P         Cup - Other paper cup         63         0.60         12.60         0.12           E         Ice cream wrappers         10         0.10         0.20         0.00           R         Junk mail / free circulars         30         0.29         15.00         0.14           Newspaper/Magazine         50         0.48         25.00         0.24           R         Packages & boxes         93         0.89         46.50         0.44           Paper bags         24         0.23         7.20         0.07           C         Paper/card food packaging         174         1.66         87.00         0.83           A         Paper tissues/napkin         303         2.89         15.15         0.14           R         Shopper dockets, tickets/receipts         199         1.90         9.95         0.10           D         Other paper & card.         118         1.13         5.90         0.06						
P         Cigarette packets         63         0.60         6.30         0.06           A         Cup - Other paper cup         38         0.36         7.60         0.07           P         Cup - Other paper cup         63         0.60         12.60         0.12           E         Ice cream wrappers         10         0.10         0.20         0.00           R         Junk mail free circulars         30         0.29         15.00         0.14           Newspaper/Magazine         50         0.48         25.00         0.24           &         Packages & boxes         93         0.89         46.50         0.44           Paper bags         24         0.23         7.20         0.07           C         Paper/card food packaging         174         1.66         87.00         0.83           A         Paper tissues/napkin         303         2.89         15.15         0.14           R         Shopper dockets, tickets/receipts         199         1.90         9.95         0.10           D         Other paper & card.         118         1.13         5.90         0.06           RUBBER         Rubber band/nair tie         66         0.63         0	GLASS					
A         Cup - Other paper cup         38         0.36         7.60         0.07           P         Cup - Other paper cup         63         0.60         12.60         0.12           E         Ice cream wrappers         10         0.10         0.20         0.00           R         Junk mail / free circulars         30         0.29         15.00         0.14           Newspaper/Magazine         50         0.48         25.00         0.24           &         Packages & boxes         93         0.89         46.50         0.44           Paper bags         24         0.23         7.20         0.07           C         Paper/card food packaging         174         1.66         87.00         0.83           A         Paper tissues/napkin         303         2.89         15.15         0.14           R         Shoper dockets, tickets/receipts         199         1.90         9.95         0.10           B         Other paper & card.         118         1.13         5.90         0.06           RUBBER         Rubber band/hair tie         66         0.63         0.33         0.00           Tyre pieces         38         0.36         0.19         0.0	Р	-			ł	
P         Cup - Other paper cup         63         0.60         12.60         0.12           E         Ice cream wrappers         10         0.10         0.20         0.00           R         Junk mail / free circulars         30         0.29         15.00         0.14           Newspaper/Magazine         50         0.48         25.00         0.24           & Packages & boxes         93         0.89         46.50         0.44           Paper bags         24         0.23         7.20         0.07           C         Paper/card food packaging         174         1.66         87.00         0.83           A         Paper tissues/napkin         303         2.89         15.15         0.14           R         Shopper dockets, tickets/receipts         199         1.90         9.95         0.10           D         Other paper & card.         118         1.13         5.90         0.06           RUBBER         Rubber band/hair tie         66         0.63         0.33         0.00           Rubber toy         9         0.09         0.45         0.00           Tyre pieces         38         0.36         0.19         0.00           Tyres <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>						
R         Junk mail / free circulars         30         0.29         15.00         0.14           Newspaper/Magazine         50         0.48         25.00         0.24           &         Packages & boxes         93         0.89         46.50         0.44           Paper bags         24         0.23         7.20         0.07           C         Paper (card food packaging)         174         1.66         87.00         0.83           A         Paper tissues/napkin         303         2.89         15.15         0.14           R         Shopper dockets, tickets/receipts         199         1.90         9.95         0.10           D         Other paper & card.         118         1.13         5.90         0.06           RUBBER         Rubber band/hair tie         66         0.63         0.33         0.00           Rubber toy         9         0.09         0.45         0.00           Tyre pieces         38         0.36         0.19         0.00           Tyres         1         0.01         20.00         0.11           P         Cups (foam)         7         0.07         1.40         0.01           O         Food pack./clam	Р					
Newspaper/Magazine         50         0.48         25.00         0.24           & Packages & boxes         93         0.89         46.50         0.44           Paper bags         24         0.23         7.20         0.07           C Paper/card food packaging         174         1.66         87.00         0.83           A Paper tissues/napkin         303         2.89         15.15         0.14           R Shopper dockets, tickets/receipts         199         1.90         9.95         0.10           D Other paper & card.         118         1.13         5.90         0.06           RUBBER Rubber band/hair tie         66         0.63         0.33         0.00           Rubber toy         9         0.09         0.45         0.00           Tyre pieces         38         0.36         0.19         0.00           Tyres         1         0.01         20.00         0.19           Other rubber item         120         1.15         12.00         0.11           P Cups (foam)         7         0.07         1.40         0.01           O Food pack /clam shells         2         0.02         1.00         0.01           L Insulation & Packaging					<u> </u>	
&         Packages & boxes         93         0.89         46.50         0.44           Paper bags         24         0.23         7.20         0.07           C         Paper/card food packaging         174         1.66         87.00         0.83           A         Paper tissues/napkin         303         2.89         15.15         0.14           R         Shopper dockets, tickets/receipts         199         1.90         9.95         0.10           D         Other paper & card.         118         1.13         5.90         0.06           RUBBER         Rubber band/hair tie         66         0.63         0.33         0.00           Rubber toy         9         0.09         0.45         0.00           Tyre pieces         38         0.36         0.19         0.00           Tyres         1         0.01         20.00         0.19           P         Cups (foam)         7         0.07         1.40         0.01           P         Cups (foam)         7         0.02         1.00         0.01           L         Insulation & Packaging         14         0.13         14.00         0.13	R	The state of the s				
Paper bags         24         0.23         7.20         0.07           C         Paper/card food packaging         174         1.66         87.00         0.83           A         Paper tissues/napkin         303         2.89         15.15         0.14           R         Shopper dockets, tickets/receipts         199         1.90         9.95         0.10           D         Other paper & card.         118         1.13         5.90         0.06           RUBBER         Rubber band/hair tie         66         0.63         0.33         0.00           Rubber toy         9         0.09         0.45         0.00           Tyre pieces         38         0.36         0.19         0.00           Tyres         1         0.01         20.00         0.19           Other rubber item         120         1.15         12.00         0.11           P         Cups (foam)         7         0.07         1.40         0.01           O         Food pack,/clam shells         2         0.02         1.00         0.01           L         Insulation & Packaging         14         0.13         14.00         0.13	0					-
C         Paper/card food packaging         174         1.66         87.00         0.83           A         Paper tissues/napkin         303         2.89         15.15         0.14           R         Shopper dockets, tickets/receipts         199         1.90         9.95         0.10           D         Other paper & card.         118         1.13         5.90         0.06           RUBBER         Rubber band/hair tie         66         0.63         0.33         0.00           Rubber toy         9         0.09         0.45         0.00           Tyre pieces         38         0.36         0.19         0.00           Tyres         1         0.01         20.00         0.19           Other rubber item         120         1.15         12.00         0.11           P         Cups (foam)         7         0.07         1.40         0.01           O         Food pack./clam shells         2         0.02         1.00         0.01           L         Insulation & Packaging         14         0.13         14.00         0.13	Č.				ł	
A         Paper tissues/napkin         303         2.89         15.15         0.14           R         Shopper dockets, tickets/receipts         199         1.90         9.95         0.10           D         Other paper & card.         118         1.13         5.90         0.06           RUBBER         Rubber band/hair tie         66         0.63         0.33         0.00           Rubber toy         9         0.09         0.45         0.00           Tyre pieces         38         0.36         0.19         0.00           Tyres         1         0.01         20.00         0.19           Other rubber item         120         1.15         12.00         0.11           P         Cups (foam)         7         0.07         1.40         0.01           O         Food pack./clam shells         2         0.02         1.00         0.01           L         Insulation & Packaging         14         0.13         14.00         0.13	С					
R         Shopper dockets, tickets/receipts         199         1.90         9.95         0.10           D         Other paper & card.         118         1.13         5.90         0.06           RUBBER         Rubber band/hair tie         66         0.63         0.33         0.00           Rubber toy         9         0.09         0.45         0.00           Tyre pieces         38         0.36         0.19         0.00           Tyres         1         0.01         20.00         0.19           Other rubber item         120         1.15         12.00         0.11           P         Cups (foam)         7         0.07         1.40         0.01           O         Food pack./clam shells         2         0.02         1.00         0.01           L         Insulation & Packaging         14         0.13         14.00         0.13						
RUBBER         Rubber band/hair tie         66         0.63         0.33         0.00           Rubber toy         9         0.09         0.45         0.00           Tyre pieces         38         0.36         0.19         0.00           Tyres         1         0.01         20.00         0.19           Other rubber item         120         1.15         12.00         0.11           P         Cups (foam)         7         0.07         1.40         0.01           O         Food pack./clam shells         2         0.02         1.00         0.01           L         Insulation & Packaging         14         0.13         14.00         0.13	R		199			0.10
Rubber toy         9         0.09         0.45         0.00           Tyre pieces         38         0.36         0.19         0.00           Tyres         1         0.01         20.00         0.19           Other rubber item         120         1.15         12.00         0.11           P Cups (foam)         7         0.07         1.40         0.01           O Food pack./clam shells         2         0.02         1.00         0.01           L Insulation & Packaging         14         0.13         14.00         0.13						
Tyre pieces         38         0.36         0.19         0.00           Tyres         1         0.01         20.00         0.19           Other rubber item         120         1.15         12.00         0.11           P         Cups (foam)         7         0.07         1.40         0.01           O         Food pack./clam shells         2         0.02         1.00         0.01           L         Insulation & Packaging         14         0.13         14.00         0.13	RUBBER					
Tyres         1         0.01         20.00         0.19           Other rubber item         120         1.15         12.00         0.11           P         Cups (foam)         7         0.07         1.40         0.01           O         Food pack./clam shells         2         0.02         1.00         0.01           L         Insulation & Packaging         14         0.13         14.00         0.13						
Other rubber item         120         1.15         12.00         0.11           P         Cups (foam)         7         0.07         1.40         0.01           O         Food pack./clam shells         2         0.02         1.00         0.01           L         Insulation & Packaging         14         0.13         14.00         0.13						
P         Cups (foam)         7         0.07         1.40         0.01           O         Food pack./clam shells         2         0.02         1.00         0.01           L         Insulation & Packaging         14         0.13         14.00         0.13						
O         Food pack./clam shells         2         0.02         1.00         0.01           L         Insulation & Packaging         14         0.13         14.00         0.13	Р					
L Insulation & Packaging 14 0.13 14.00 0.13						
Y         Other polystyrene item         103         0.98         51.50         0.49	L	Insulation & Packaging		0.13	14.00	0.13
	Υ	Other polystyrene item	103	0.98	51.50	0.49

CLOTH	Clathing	73	0.70	73.00	0.70
	Clothing Other cloth item	109	1.04	21.80	0.70
	Balloons	35	0.33	1.75	0.02
	Batteries	5	0.05	0.05	0.00
Н	Condom	1	0.01	0.01	0.00
E	Construction materials	82	0.78	29.52	0.28
R	Cotton buds/tips (non- plastic)	10	0.10	0.01	0.00
	Cutlery (non-plastic)	11	0.11	0.11	0.00
	Dog poo	69	0.66	3.45	0.03
	Electrical wire	61	0.58	0.61	0.01
	Face mask – disposable	72	0.69	7.20	0.07
	Face mask – reusable	<u>8</u> 94	0.08	0.80 18.80	0.01 0.18
	Fruit/vegetable/food Gum	37	0.90	0.00	0.18
	Ice Cream Stick	29	0.33	0.00	0.00
	Nappy	1	0.01	0.50	0.00
	Personal Effects	129	1.23	25.80	0.25
	Plate/bowl (non-plastic)	1	0.01	0.20	0.00
	Rope/string	249	2.38	49.80	0.48
	Sanitary Items	1	0.01	0.20	0.00
	Stirrers (non-plastic)	2	0.02	0.00	0.00
	Straw (non-plastic)	46	0.44	0.23	0.00
	Vape packaging	1	0.01	0.05	0.00
	Vape pen	3	0.03	0.15	0.00
	Vehicle parts	14	0.13	0.70	0.01
	Wet wipes Wooden items	118	1.13	5.90	0.06
	Unknown item	83 35	0.79 0.33	8.30 3.50	0.08
Beverage	CHANGWINTER	33	0.55	3.30	0.05
containers					
	Drink pouches <150 ml	1	0.01	0.12	0.00
	Drink pouches 150-499mL	2	0.02	0.75	0.01
	Drink pouches 500-999mL	0	0.00	0.00	0.00
	Drink pouches 1000mL-3000mL	0	0.00	0.00	0.00
	Drink pouches >3000mL	0	0.00	0.00	0.00
	Flav. Milk <150 ml	1	0.01	0.12	0.00
	Flav. Milk 150-499mL	4	0.04	1.50	0.01
	Flav. Milk 500-999mL	3	0.03	1.80	0.02
	Flav. Milk 1000mL-3000mL Flav. Milk >3000mL	0	0.00	0.00	0.00
	Soft Dr/FW/FJD/SpD/EnD <150 ml	2	0.00	0.00	0.00
	Soft Dr/FW/FJD/SpD/EnD 150-499mL	4	0.04	1.50	0.01
	Soft Dr/FW/FJD/SpD/EnD 500-999mL	2	0.02	1.20	0.01
	S of Dr./FW/FID/S o D/F o D 1000 ool 2000 ool				
	Soft Dr/FW/FJD/SpD/EnD 1000mL-3000mL	0	0.00	0.00	0.00
	Soft Dr/FW/FJD/SpD/EnD >3000mL	0	0.00	0.00	0.00
	Fruit/vegetable juice <150 ml	1	0.01	0.12	0.00
	Fruit/vegetable juice 150-499mL	8	0.08	3.00	0.03
	Fruit/vegetable juice 500-999mL	2	0.02	1.20	0.01
	Fruit/vegetable juice 1000mL-3000mL Fruit/vegetable juice >3000mL	0	0.00	0.00	0.00
	Water <150 ml	0	0.00	0.00	0.00
	Water 150-499mL	2	0.02	0.75	0.01
	Water 500-999mL	1	0.01	0.60	0.01
	Water 1000mL-3000mL	2	0.02	3.00	0.03
	Water >3000mL	0	0.00	0.00	0.00
	White milk <150 ml	1	0.01	0.12	0.00
	White milk 150-499mL	1	0.01	0.50	0.00
	White milk 500-999mL	1	0.01	1.00	0.01
	White milk 1000mL-3000mL White milk >3000mL	0	0.00	0.00	0.00
	Beer <150 ml	0	0.00	0.00	0.00
	Beer 150-499mL	17	0.16	6.38	0.00
	Beer 500-999mL	4	0.04	2.40	0.02
	Beer 1000mL-3000mL	0	0.00	0.00	0.00
	Beer >3000mL	0	0.00	0.00	0.00
	Cider/fruit based <150 ml	0	0.00	0.00	0.00
	Cider/fruit based 150-499mL	0	0.00	0.00	0.00
	Cider/fruit based 500-999mL	0	0.00	0.00	0.00
			0.00	0.00	0.00
	Cider/fruit based 1000mL-3000mL	0		+	
	Cider/fruit based >3000mL	0	0.00	0.00	0.00
Metal				+	

	Premixed spirit drinks 1000mL-3000mL	1	0.01	1.50	0.01
	Premixed spirit drinks >3000mL	0	0.00	0.00	0.00
Metal	Soft Dr/FW/FJD/SpD/EnD <150 ml	3	0.03	0.36	0.00
	Soft Dr/FW/FJD/SpD/EnD 150-499mL	14	0.13	5.25	0.05
	Soft Dr/FW/FJD/SpD/EnD 500-999mL	4	0.04	2.40	0.02
	Soft Dr/FW/FJD/SpD/EnD 1000mL-3000mL	0	0.00	0.00	0.00
	Soft Dr/EW/EID/SoD/EnD > 2000ml	0	0.00	0.00	0.00
Motal	Soft Dr/FW/FJD/SpD/EnD >3000mL Wine Bladders <150 ml	0	0.00	0.00	0.00
Metal	Wine Bladders 150-499mL	0	0.00	0.00	0.00
	Wine Bladders 500-999mL	0	0.00	0.00	0.00
	Wine Bladders 1000mL-3000mL	0	0.00	0.00	0.00
	Wine Bladders >3000mL	0	0.00	0.00	0.00
Glass	Wine <150 ml	0	0.00	0.00	0.00
Glass	Wine 150-499mL	3	0.03	1.13	0.01
	Wine 500-999mL	0	0.00	0.00	0.00
	Wine 1000mL-3000mL	0	0.00	0.00	0.00
	Wine >3000mL	0	0.00	0.00	0.00
Glass	Spirit <150 ml	0	0.00	0.00	0.00
	Spirit 150-499mL	0	0.00	0.00	0.00
	Spirit 500-999mL	1	0.01	0.70	0.01
	Spirit 1000mL-3000mL	0	0.00	0.00	0.00
	Spirit >3000mL	0	0.00	0.00	0.00
Glass	Premixed spirit drinks <150 ml	0	0.00	0.00	0.00
	Premixed spirit drinks 150-499mL	2	0.02	0.75	0.01
	Premixed spirit drinks 500-999mL	0	0.00	0.00	0.00
	Premixed spirit drinks 1000mL-3000mL	0	0.00	0.00	0.00
	Premixed spirit drinks >3000mL	0	0.00	0.00	0.00
Glass	Beer <150 ml	2	0.02	0.24	0.00
	Beer 150-499mL	26	0.25	9.75	0.09
	Beer 500-999mL	5	0.05	3.00	0.03
	Beer 1000mL-3000mL	0	0.00	0.00	0.00
	Beer >3000mL	0	0.00	0.00	0.00
Glass	Cider <150 ml	0	0.00	0.00	0.00
	Cider 150-499mL	2	0.02	0.75	0.01
	Cider 500-999mL	1	0.01	0.60	0.01
	Cider 1000mL-3000mL	0	0.00	0.00	0.00
	Cider >3000mL	0	0.00	0.00	0.00
Glass	Soft Dr/FW/FJD/SpD/EnD <150 ml	0	0.00	0.00	0.00
	Soft Dr/FW/FJD/SpD/EnD 150-499mL	3	0.03	1.13	0.01
	Soft Dr/FW/FJD/SpD/EnD 500-999mL	1	0.01	0.60	0.01
	Soft Dr/FW/FJD/SpD/EnD 1000mL-3000mL		0.00	0.00	0.00
		0	0.00	0.00	0.00
Class	Soft Dr/FW/FJD/SpD/EnD >3000mL	0	0.00	0.00	0.00
Glass	Fruit juice <150 ml Fruit juice 150-499mL	0 1	0.00	0.00 0.38	0.00
	Fruit juice 130-499ITL	0	0.00	0.00	0.00
	Fruit juice 1000mL-3000mL	0	0.00	0.00	0.00
	Fruit juice >3000mL	0	0.00	0.00	0.00
Glass	Water <150 ml	0	0.00	0.00	0.00
J.0.00	Water 150-499mL	3	0.03	1.13	0.01
	Water 500-999mL	1	0.01	0.60	0.01
	Water 1000mL-3000mL	0	0.00	0.00	0.00
	Water >3000mL	0	0.00	0.00	0.00
Glass	Wine-based/wine cooler <150 ml	0	0.00	0.00	0.00
	Wine-based/wine cooler 150-499mL	0	0.00	0.00	0.00
	Wine-based/wine cooler 500-999mL	3	0.03	1.80	0.02
	Wine-based/wine cooler 1000mL-3000mL	0	0.00	0.00	0.00
	Wine-based/wine cooler >3000mL	0	0.00	0.00	0.00
Card	Flav. milk (Cartons) <150 ml	0	0.00	0.00	0.00
	Flav. milk (Cartons) 150-499mL	1	0.01	0.38	0.00
	Flav. milk (Cartons) 500-999mL	1	0.01	0.60	0.01
	Flav. milk (Cartons) 1000mL-3000mL	1	0.01	1.50	0.01
	Flav. milk (Cartons) >3000mL	0	0.00	0.00	0.00
Card	Fruit Juice <150 ml	1	0.01	0.12	0.00
	Fruit Juice 150-499mL	0	0.00	0.00	0.00
	Fruit Juice 500-999mL	0	0.00	0.00	0.00
	Fruit Juice 1000mL-3000mL	0	0.00	0.00	0.00
	Fruit Juice >3000mL	0	0.00	0.00	0.00
Card	FW/FW/FJD/SpD/EnD <150 ml	0	0.00	0.00	0.00
	FW/FW/FJD/SpD/EnD 150-499mL	0	0.00	0.00	0.00
	FW/FW/FJD/SpD/EnD 500-999mL	0	0.00	0.00	0.00
	FW/FW/FJD/SpD/EnD 1000mL-3000mL	0	0.00	0.00	0.00

	FW/FW/FJD/SpD/EnD >3000mL	0	0.00	0.00	0.00
Card	Milk, plain (white) <150 ml	0	0.00	0.00	0.00
	Milk, plain (white) 150-499mL	0	0.00	0.00	0.00
	Milk, plain (white) 500-999mL	0	0.00	0.00	0.00
	Milk, plain (white) 1000mL-3000mL	0	0.00	0.00	0.00
	Milk, plain (white) >3000mL	0	0.00	0.00	0.00
Any	Other beverage <150 ml	1	0.01	0.12	0.00
,	Other beverage 150-499mL	3	0.03	1.13	0.01
	Other beverage 500-999mL	0	0.00	0.00	0.00
	Other beverage 1000mL-3000mL	0	0.00	0.00	0.00
	Other beverage >3000mL	0	0.00	0.00	0.00
	_				
Fragments	Hard plastic				
	Size 1 – Small ( > 2.5 cm to 8 cm)	2293	21.90	18.34	0.18
	Hard plastic				
	Size 2 – Medium ( > 8 cm to 16 cm)	478	4.56	7.65	0.07
	Hard plastic				
	Size 3 – Large ( > 16 cm)	98	0.94	3.14	0.03
Fragments	Soft plastic				
	Size 1 – Small ( > 2.5 cm to 8 cm)	921	8.79	7.37	0.07
	Soft plastic				
	Size 2 – Medium ( > 8 cm to 16 cm)	232	2.22	3.71	0.04
	Soft plastic				
	Size 3 – Large ( > 16 cm)	95	0.91	3.04	0.03
Fragments					
	Size 1 – Small ( > 2.5 cm to 8 cm)	214	2.04	5.14	0.05
	Metal				
	Size 2 – Medium ( > 8 cm to 16 cm)	48	0.46	2.30	0.02
	Metal				
	Size 3 – Large ( > 16 cm)	13	0.12	1.25	0.01
Fragments		440	4.20	2.50	0.00
	Size 1 – Small ( > 2.5 cm to 8 cm)	448	4.28	3.58	0.03
	Glass	50	0.56	0.04	0.01
	Size 2 – Medium ( > 8 cm to 16 cm) Glass	59	0.56	0.94	0.01
	Size 3 – Large ( > 16 cm)	8	0.08	0.26	0.00
Eragments	Paper and Card	8	0.08	0.26	0.00
Tragilients	Size 1 – Small ( > 2.5 cm to 8 cm)	1060	10.12	8.48	0.08
	Paper and Card	1000	10.12	0.40	0.00
	Size 2 – Medium ( > 8 cm to 16 cm)	302	2.88	4.83	0.05
	Paper and Card	302	2.00		0.03
	Size 3 – Large ( > 16 cm)	115	1.10	3.68	0.04
Fragments					
	Size 1 – Small ( > 2.5 cm to 8 cm)	121	1.16	0.97	0.01
	Rubber				
	Size 2 – Medium ( > 8 cm to 16 cm)	39	0.37	0.62	0.01
	Rubber				
	Size 3 – Large ( > 16 cm)	23	0.22	0.74	0.01
Fragments	Polystyrene				
	Size 1 – Small ( > 2.5 cm to 8 cm)	268	2.56	6.43	0.06
	Polystyrene				
	Size 2 – Medium ( > 8 cm to 16 cm)	67	0.64	3.22	0.03
	Polystyrene				
	Size 3 – Large ( > 16 cm)	20	0.19	1.92	0.02
Fragments					
	Size 1 – Small ( > 2.5 cm to 8 cm)	77	0.74	0.62	0.01
	Cloth				
	Size 2 – Medium ( > 8 cm to 16 cm)	40	0.38	0.64	0.01
	Cloth				
	Size 3 – Large ( > 16 cm)	19	0.18	0.61	0.01
	<u> </u>	100.00			40.04
I	Totals	18245	174.22	1145.65	10.94

# **Total Estimated Volume by Item**

	on for AusLM Litter Surveys - May 2022
P	Cigarette butts and filters
L	Dec Dec Dec
A	Bag - Dog Poo
S _	Bag - Fruit/Veg
T .	Bag - Green Reusable
l	Bag - Heavy Boutique
С	Bag - Heavy Supermrkt
	Bag – Ice
	Bag -Lightweight shop
	Bag - Mesh Bags
	Bag - Other
	Bread Bag Tags/twist ties Cable ties
	Cigarette Lighters
	Cigarette Lighters  Cigarette packet cellophane wrap
	Cotton buds/tips
	Cup – Single use
	Cup – Single use Cup – Reusable
	Cutlery/chopsticks
	Fishing related
	Food/confect. Wrappers
	Lids - Beverage container lids /caps
	Lids - Plastic cup lid
	Lids -Coffee cup lid
	Lids - Other
	Lollipop Sticks
	Non-Food Bottle
	Non-Food package
	Other Food Package
	Plate/bowl – single use
	Plate/bowl – reusable
	Plastic wrap non-food
	Six pack rings
	Strapping band
	Stirrers
	Straws
	Syringe
	Takeaway food container
	Tape/narrow soft plastic film
	Tobacco pouch
	Toys
	Whipper snipper cord
	Other plastic item
M	Aerosol cans
E	Aluminium foil wrap
T	Foil takeaway container
Α .	Lids, bottle tops, can ring pulls
L	Other metal item
GLASS	Glass jars
	Other glass item
P	Cigarette packets
Α	Cup - Coffee cup
	I( up - ()ther paper cup
P	Cup - Other paper cup
E	Ice cream wrappers
	lce cream wrappers Junk mail / free circulars
E R	Ice cream wrappers Junk mail / free circulars Newspaper/Magazine
E	Ice cream wrappers Junk mail / free circulars Newspaper/Magazine Packages & boxes
E R	Ice cream wrappers Junk mail / free circulars Newspaper/Magazine Packages & boxes Paper bags
E R & C	Ice cream wrappers Junk mail / free circulars Newspaper/Magazine Packages & boxes Paper bags Paper/card food packaging
E R & C A	Ice cream wrappers Junk mail / free circulars Newspaper/Magazine Packages & boxes Paper bags Paper/card food packaging Paper tissues/napkin
E R & C A R	Ice cream wrappers Junk mail / free circulars Newspaper/Magazine Packages & boxes Paper bags Paper/card food packaging Paper tissues/napkin Shopper dockets, tickets/receipts
E R & C A R D	Ice cream wrappers Junk mail / free circulars Newspaper/Magazine Packages & boxes Paper bags Paper/card food packaging Paper tissues/napkin Shopper dockets, tickets/receipts Other paper & card.
E R & C A R	Ice cream wrappers Junk mail / free circulars Newspaper/Magazine Packages & boxes Paper bags Paper/card food packaging Paper tissues/napkin Shopper dockets, tickets/receipts Other paper & card. Rubber band/hair tie
E R & C A R D	Ice cream wrappers Junk mail / free circulars Newspaper/Magazine Packages & boxes Paper bags Paper/card food packaging Paper tissues/napkin Shopper dockets, tickets/receipts Other paper & card. Rubber band/hair tie Rubber toy
E R & C A R D	Ice cream wrappers Junk mail / free circulars Newspaper/Magazine Packages & boxes Paper bags Paper/card food packaging Paper tissues/napkin Shopper dockets, tickets/receipts Other paper & card. Rubber band/hair tie

Other rubber item

Name	Estimated volume (ml)	Estimated volume (I)
Cigarette Butts	2	0.002
		0
Bag - Dog Poo	200	0.2
Bag - Fruit/Veg	200	0.2
Bag - Green Reusable Bag - Heavy Boutique	1000 1000	1 1
Bag - Heavy Supermarket	1000	1
Bag - Ice	500	0.5
Bag - Lightweight shopping	200	0.2
Bag - Mesh	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/Confectiony 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 Stirrers	200	0.2 0.001
Straws	5	0.001
Syringe	10	0.003
Take away food container	500	0.5
Tape/narrow soft plastic film	50	0.05
Tobacco pouch	100	0.1
Toys	100	0.1
Whipper snipper cord	5	0.005
Other plastic	100	0.1
Aerosol Cans	300	0.3
Aluminium foil wrap	100	0.1
Foil Takeaway container	500	0.5
Metal Lids, bottletops, can ring pulls	2	0.002
Other metal	100	0.1
Glass Jars	375	0.375
Other glass	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	50	0.05
Rubber band/hair tie	5	0.005
Rubber Toy	50	0.05
Tyre Pieces	5	0.005
Tyres	20000	20
Other rubber	100	0.1

P	Cups (foam)	Cups (foam)	200	0.2
0	Food pack./clam shells	Food packaging/clam shells	500	0.5
Ĭ	Insulation & Packaging	Insulation & Packaging	1000	1
v	Other polystyrene item	Other foam	500	0.5
CLOTH	Clothing	Clothing	1000	1
CLOTH	Other cloth item	Other textile/cloth	200	0.2
		·		
0	Balloons	Balloons	50	0.05
Т	Batteries	Batteries	10	0.01
Н -	Condom	Condom	5	0.005
E	Construction materials	Construction materials	360	0.36
R	Cotton buds/tips (non- plastic)	Cotton buds/tips	1	0.001
	Cutlery (non-plastic)	Cutlery (non-plastic)	10	0.01
M	Dog poo	Dog poo	50	0.05
Α _	Electrical wire	Electrical wire	10	0.01
T -	Face mask – disposable	Face mask - disposable	100	0.1
E	Face mask – reusable	Face mask - reusable	100	0.1
R	Fruit/vegetable/food	Fruit/vegetable/food	200	0.2
ı	Gum	Gum		0
Α	Ice Cream Stick	Ice cream stick	0.9	0.0009
L	Nappy	Nappy	500	0.5
S	Personal Effects	Personal Effects	200	0.2
	Plate/bowl (non-plastic)	Plate/bowl (non-plastic)	200	0.2
	Rope/string	Rope/string	200	0.2
	Sanitary Items	Sanitary Items	200	0.2
	Stirrers (non-plastic)	Stirrers (non-plastic)	2	0.002
	Straw (non-plastic)	Straw (non-plastic)	5	0.005
	Vape packaging	Vape packaging	50	0.05
	Vape pen	Vape pen	50	0.05
	Vehicle parts	Vehicle parts	50	0.05
	Wet wipes	Wet wipes	50	0.05
	Wooden items	Wooden items	100	0.1
	Unknown item	Unknown item	100	0.1
Beverage				
containers	S			0
Plastic	Drink pouches <150 ml	Plastic - Drink pouch <150 ml	120	0.12
	Drink pouches 150-499mL	Plastic - Drink pouch 150 - 499 ml	375	0.375
	Drink pouches 500-999mL	Plastic - Drink pouch 500 - 999 ml	600	0.6
	Drink pouches 1000mL-3000mL	Plastic - Drink pouch 1000 - 3000 ml	1500	1.5
	Drink pouches >3000mL	Plastic - Drink pouch >3000 ml	3500	3.5
Plastic	Flav. Milk <150 ml	Plastic - Flav. Milk <150 ml	120	0.12
	Flav. Milk 150-499mL	Plastic - Flav. Milk 150 - 499 ml	375	0.375
	Flav. Milk 500-999mL	Plastic - Flav. Milk 500 - 999 ml	600	0.6
	Flav. Milk 1000mL-3000mL	Plastic - Flav. Milk 1000 - 3000 ml	1500	1.5
	Flav. Milk >3000mL	Plastic - Flav. Milk >3000 ml	3500	3.5
Plastic	Soft Dr/FW/FJD/SpD/EnD <150 ml	Plastic - Soft Dr/FW/FJD/SpD/EnD <150 ml	120	0.12
	Soft Dr/FW/FJD/SpD/EnD 150-499mL	Plastic - Soft Dr/FW/FJD/SpD/EnD 150 - 499 ml	375	0.375
	Soft Dr/FW/FJD/SpD/EnD 500-999mL	Plastic - Soft Dr/FW/FJD/SpD/EnD 500 - 999 ml	600	0.6
	Soft Dr/FW/FJD/SpD/EnD 1000mL-3000mL			
	· ·	Plastic - Soft Dr/FW/FJD/SpD/EnD 1000 - 3000 ml	1500	1.5
	Soft Dr/FW/FJD/SpD/EnD >3000mL	Plastic - Soft Dr/FW/FJD/SpD/EnD >3000 ml	3500	3.5
Plastic	Fruit/vegetable juice <150 ml	Plastic - Fruit/vegetable juice <150 ml	120	0.12
	Fruit/vegetable juice 150-499mL	Plastic - Fruit/vegetable juice 150 - 499 ml	375	0.375
	Fruit/vegetable juice 500-999mL	Plastic - Fruit/vegetable juice 500 - 999 ml	600	0.6
	Fruit/vegetable juice 1000mL-3000mL	Plastic - Fruit/vegetable juice 1000 - 3000 ml	1500	1.5
	Fruit/vegetable juice >3000mL	Plastic - Fruit/vegetable juice >3000 ml	3500	3.5
Plastic	Water <150 ml	Plastic - Water <150 ml	120	0.12
	Water 150-499mL	Plastic - Water 150 - 499 ml	375	0.375
	Water 500-999mL	Plastic - Water 500 - 999 ml	600	0.6
	Water 1000mL-3000mL	Plastic - Water 1000 - 3000 ml	1500	1.5
	Water >3000mL	Plastic - Water >3000 ml	3500	3.5
	White milk <150 ml	Plastic - White milk <150 ml	120	0.12
Plastic	Mulife Hilly <120 Hil			
Plastic	White milk 150-499mL	Plastic - White milk 150 - 499 ml	500	0.5
Plastic		Plastic - White milk 150 - 499 ml Plastic - White milk 500 - 999 ml	500 1000	0.5 1
Plastic	White milk 150-499mL			
Plastic	White milk 150-499mL White milk 500-999mL	Plastic - White milk 500 - 999 ml	1000	1
Plastic	White milk 150-499mL White milk 500-999mL White milk 1000mL-3000mL	Plastic - White milk 500 - 999 ml Plastic - White milk 1000 - 3000 ml Plastic - White milk >3000 ml	1000 2000	1 2
	White milk 150-499mL White milk 500-999mL White milk 1000mL-3000mL White milk >3000mL Beer <150 ml	Plastic - White milk 500 - 999 ml Plastic - White milk 1000 - 3000 ml	1000 2000 3500	1 2 3.5
	White milk 150-499mL White milk 500-999mL White milk 1000mL-3000mL White milk >3000mL	Plastic - White milk 500 - 999 ml  Plastic - White milk 1000 - 3000 ml  Plastic - White milk >3000 ml  Metal - Beer, aluminium <150 ml	1000 2000 3500 120	1 2 3.5 0.12
	White milk 150-499mL White milk 500-999mL White milk 1000mL-3000mL White milk >3000mL Beer <150 ml Beer 150-499mL	Plastic - White milk 500 - 999 ml  Plastic - White milk 1000 - 3000 ml  Plastic - White milk >3000 ml  Metal - Beer, aluminium <150 ml  Metal - Beer, aluminium 150 - 499 ml	1000 2000 3500 120 375	1 2 3.5 0.12 0.375

		NA . I . D	3500	2.5
	Beer >3000mL	Metal - Beer, aluminium >3000 ml	3500	3.5
Metal	Cider/fruit based <150 ml	Metal - Cider/fruit based <150 ml	120	0.12
	Cider/fruit based 150-499mL	Metal - Cider/fruit based 150 - 499 ml	375	0.375
	Cider/fruit based 500-999mL	Metal - Cider/fruit based 500 - 999 ml	600	0.6
	Cider/fruit based 1000mL-3000mL	Metal - Cider/fruit based 1000 - 3000 ml	1500	1.5
	Cider/fruit based >3000mL	Metal - Cider/fruit based >3000 ml	3500	3.5
Metal	Premixed spirit drinks <150 ml	Metal - Premixed spirit drinks <150 ml	120	0.12
	Premixed spirit drinks 150-499mL	Metal - Premixed spirit drinks 150 - 499 ml	375	0.375
	Premixed spirit drinks 500-999mL	Metal - Premixed spirit drinks 500 - 999 ml	600	0.6
	Premixed spirit drinks 1000mL-3000mL	Metal - Premixed spirit drinks 1000 - 3000 ml	1500	1.5
	Premixed spirit drinks >3000mL	Metal - Premixed spirit drinks >3000 ml	3500	3.5
Metal	Soft Dr/FW/FJD/SpD/EnD <150 ml	Metal - Soft Dr/FW/FJD/SpD/EnD <150 ml	120	0.12
Wietai	Soft Dr/FW/FJD/SpD/EnD 150-499mL	Metal - Soft Dr/FW/FJD/SpD/EnD 150 - 499 ml	375	0.375
			600	0.575
	Soft Dr/FW/FJD/SpD/EnD 500-999mL	Metal - Soft Dr/FW/FJD/SpD/EnD 500 - 999 ml	800	0.0
	Soft Dr/FW/FJD/SpD/EnD 1000mL-3000mL	A	1500	4.5
	2.5.2.1-1.15.2.12.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.	Metal - Soft Dr/FW/FJD/SpD/EnD 1000 - 3000 ml	1500	1.5
	Soft Dr/FW/FJD/SpD/EnD >3000mL	Metal - Soft Dr/FW/FJD/SpD/EnD >3000 ml	3500	3.5
Metal	Wine Bladders <150 ml	Metal - Wine bladders <150 ml	120	0.12
	Wine Bladders 150-499mL	Metal - Wine bladders 150 - 499 ml	375	0.375
	Wine Bladders 500-999mL	Metal - Wine bladders 500 - 999 ml	600	0.6
	Wine Bladders 1000mL-3000mL	Metal - Wine bladders 1000 - 3000 ml	1500	1.5
	Wine Bladders >3000mL	Metal - Wine bladders >3000 ml	3500	3.5
Glass	Wine <150 ml	Glass - Wine <150 ml	120	0.12
	Wine 150-499mL	Glass - Wine 150 - 499 ml	375	0.375
	Wine 500-999mL	Glass - Wine 500 - 999 ml	750	0.75
	Wine 1000mL-3000mL	Glass - Wine 1000 - 3000 ml	1500	1.5
	Wine >3000mL	Glass - Wine >3000 ml	3000	3
Glass	Spirit <150 ml	Glass - Spirit <150 ml	120	0.12
Giass	Spirit 150-499mL	Glass - Spirit 150 - 499 ml	375	0.375
	Spirit 150-499ML	Glass - Spirit 150 - 455 mi	700	0.7
	-	Glass - Spirit 1000 - 3000 ml		1.5
	Spirit 1000mL-3000mL	· ·	1500	
	Spirit >3000mL	Glass - Spirit >3000 ml	3500	3.5
Glass	Premixed spirit drinks <150 ml	Glass - Premixed spirit drinks <150 ml	120	0.12
	Premixed spirit drinks 150-499mL	Glass - Premixed spirit drinks 150 - 499 ml	375	0.375
	Premixed spirit drinks 500-999mL	Glass - Premixed spirit drinks 500 - 999 ml	600	0.6
	Premixed spirit drinks 1000mL-3000mL	Glass - Premixed spirit drinks 1000 - 3000 ml	1500	1.5
	Premixed spirit drinks >3000mL	Glass - Premixed spirit drinks >3000 ml	3500	3.5
Glass	Beer <150 ml	Glass - Beer <150 ml	120	0.12
	Beer 150-499mL	Glass - Beer 150 - 499 ml	375	0.375
	Beer 500-999mL	Glass - Beer 500 - 999 ml	600	0.6
	Beer 1000mL-3000mL	Glass - Beer 1000 - 3000 ml	1500	1.5
	Beer >3000mL	Glass - Beer >3000 ml	3500	3.5
Glass	Cider <150 ml	Glass - Cider <150 ml	120	0.12
	Cider 150-499mL	Glass - Cider 150 - 499 ml	375	0.375
	Cider 500-999mL	Glass - Cider 500 - 999 ml	600	0.6
	Cider 1000mL-3000mL	Glass - Cider 1000 - 3000 ml	1500	1.5
	Cider >3000mL	Glass - Cider >3000 ml	3500	3.5
Glass	Soft Dr/FW/FJD/SpD/EnD <150 ml	Glass - Soft Dr/FW/FJD/SpD/EnD <150 ml	120	0.12
Glass	Soft Dr/FW/FJD/SpD/EnD 150-499mL	Glass - Soft Dr/FW/FJD/SpD/EnD 150 - 499 ml	375	0.375
			600	0.6
	Soft Dr/FW/FJD/SpD/EnD 500-999mL	Glass - Soft Dr/FW/FJD/SpD/EnD 500 - 999 ml	000	0.0
	Soft Dr/FW/FJD/SpD/EnD 1000mL-3000mL	Glass Soft Dr/EW/EID/San/Ean 1000 3000 and	1500	1.5
	Soft Dr/FW/EID/CrD/FrD > 2000	Glass - Soft Dr/FW/FJD/SpD/EnD 1000 - 3000 ml		
0	Soft Dr/FW/FJD/SpD/EnD >3000mL	Glass - Soft Dr/FW/FJD/SpD/EnD >3000 ml	3500	3.5
Glass	Fruit juice <150 ml	Glass - Fruit juice <150 ml	120	0.12
	Fruit juice 150-499mL	Glass - Fruit juice 150 - 499 ml	375	0.375
	Fruit juice 500-999mL	Glass - Fruit juice 500 - 999 ml	600	0.6
	Fruit juice 1000mL-3000mL	Glass - Fruit juice 1000 - 3000 ml	1500	1.5
	Fruit juice >3000mL	Glass - Fruit juice >3000 ml	3500	3.5
Glass	Water <150 ml	Glass - Water <150 ml	120	0.12
	Water 150-499mL	Glass - Water 150 - 499 ml	375	0.375
	Water 500-999mL	Glass - Water 500 - 999 ml	600	0.6
	Water 1000mL-3000mL	Glass - Water 1000 - 3000 ml	1500	1.5
	Water >3000mL	Glass - Water >3000 ml	3500	3.5
Glass	Wine-based/wine cooler <150 ml	Glass - Wine-based/Wine cooler <150 ml	120	0.12
<b>5</b> 7033	Wine-based/wine cooler 150-499mL	Glass - Wine-based/Wine cooler 150 - 499 ml	375	0.375
	Wine-based/wine cooler 500-999mL	Glass - Wine-based/Wine cooler 500 - 999 ml	600	0.6
	while based/wille cooler 500-999IIL	Sidds ville basea/ ville cooler 500 - 555 IIII	000	0.0
	Wine-based/wine cooler 1000mL-3000mL	Glass - Wine-based/Wine cooler 1000 - 3000 ml	1500	1 5
	Wine beed to increase and 2000	•	1500	1.5
	Wine-based/wine cooler >3000mL	Glass - Wine-based/Wine cooler >3000 ml	3500	3.5

Card	Flav. milk (Cartons) <150 ml	Cardboard - Flav. milk <150 ml	120	0.12
cara	Flav. milk (Cartons) 150-499mL	Cardboard - Flav, milk 150 - 499 ml	375	0.375
	Flav. milk (Cartons) 500-999mL	Cardboard - Flav. milk 500 - 999 ml	600	0.6
	Flav. milk (Cartons) 1000mL-3000mL	Cardboard - Flav. milk 1000 - 3000 ml	1500	1.5
	Flav. milk (Cartons) >3000mL	Cardboard - Flav. milk >3000 ml	3500	3.5
Card	Fruit Juice <150 ml	Cardboard - Fruit Juice <150 ml	120	0.12
	Fruit Juice 150-499mL	Cardboard - Fruit Juice 150 - 499 ml	375	0.375
	Fruit Juice 500-999mL	Cardboard - Fruit Juice 500 - 999 ml	600	0.6
	Fruit Juice 1000mL-3000mL	Cardboard - Fruit Juice 1000 - 3000 ml	1500	1.5
	Fruit Juice >3000mL	Cardboard - Fruit Juice >3000 ml	3500	3.5
Card	FW/FW/FJD/SpD/EnD <150 ml	Cardboard - FW/FW/FJD/SpD/EnD <150 ml	120	0.12
	FW/FW/FJD/SpD/EnD 150-499mL	Cardboard - FW/FW/FJD/SpD/EnD 150 - 499 ml	375	0.375
	FW/FW/FJD/SpD/EnD 500-999mL	Cardboard - FW/FW/FJD/SpD/EnD 500 - 999 ml	600	0.6
	FW/FW/FJD/SpD/EnD 1000mL-3000mL	Cardboard - FW/FW/FJD/SpD/EnD 1000 - 3000 ml	1500	1.5
0 1	FW/FW/FJD/SpD/EnD >3000mL	Cardboard - FW/FW/FJD/SpD/EnD >3000 ml	3500	3.5
Card	Milk, plain (white) <150 ml	Cardboard - Milk, plain (white) <150 ml	120	0.12
	Milk, plain (white) 150-499mL	Cardboard - Milk, plain (white) 150 - 499 ml	375	0.375
	Milk, plain (white) 500-999mL	Cardboard - Milk, plain (white) 500 - 999 ml	600	0.6
	Milk, plain (white) 1000mL-3000mL  Milk, plain (white) >3000mL	Cardboard - Milk, plain (white) 1000 - 3000 ml Cardboard - Milk, plain (white) >3000 ml	1500 3500	1.5 3.5
Any	Other beverage <150 ml	Any material - Other beverage <150 ml	120	0.12
Ally	Other beverage <150 ml	Any material - Other beverage 150 - 499 ml	375	0.12
	Other beverage 150-499mL	Any material - Other beverage 500 - 999 ml	600	0.6
	Other beverage 1000mL-3000mL	Any material - Other beverage 1000 - 3000 ml	1500	1.5
	Other beverage >3000mL	Any material - Other beverage >3000 ml	3500	3.5
	· ·			0
Fragments	Hard plastic			
	Size 1 – Small ( > 2.5 cm to 8 cm)	Hard plastic fragments Size 1	8	0.008
	Hard plastic			
	Size 2 – Medium ( > 8 cm to 16 cm)	Hard plastic fragments Size 2	16	0.016
	Hard plastic			
	Size 3 – Large ( > 16 cm)	Hard plastic fragments Size 3	32	0.032
Fragments	Soft plastic			
	Size 1 – Small ( > 2.5 cm to 8 cm)	Soft plastic film fragment Size 1	8	0.008
	Soft plastic	Cofficient's Clariforn and Clariforn	4.0	0.046
	Size 2 – Medium ( > 8 cm to 16 cm) Soft plastic	Soft plastic film fragment Size 2	16	0.016
	Size 3 – Large ( > 16 cm)	Soft plastic film fragment Size 3	32	0.032
Fragments		Soft plastic filli fragment size 3	32	0.032
Trugillents	Size 1 – Small ( > 2.5 cm to 8 cm)	Metal fragment Size 1	24	0.024
	Metal	metal magnificated 1		0.021
	Size 2 – Medium ( > 8 cm to 16 cm)	Metal fragment Size 2	48	0.048
	Metal			
	Size 3 – Large ( > 16 cm)	Metal fragment Size 3	96	0.096
Fragments	Glass			
	Size 1 – Small ( > 2.5 cm to 8 cm)	Broken Glass Fragment Size 1	8	0.008
	Glass			
	Size 2 – Medium ( > 8 cm to 16 cm)	Broken Glass Fragment Size 2	16	0.016
	Glass			
_	Size 3 – Large ( > 16 cm)	Broken Glass Fragment Size 3	32	0.032
Fragments	Paper and Card	Damar 9 aard Frag Cira 1	0	0.000
	Size 1 – Small ( > 2.5 cm to 8 cm) Paper and Card	Paper & card Frag. Size 1	8	0.008
	Size 2 – Medium ( > 8 cm to 16 cm)	Paper & card Frag. Size 2	16	0.016
	Paper and Card	Tuper & cura rrug. 5/20 2	10	0.010
	Size 3 – Large ( > 16 cm)	Paper & card Frag. Size 3	32	0.032
Fragments				
	Size 1 – Small ( > 2.5 cm to 8 cm)	Rubber fragment Size 1	8	0.008
	Rubber			
	Size 2 – Medium ( > 8 cm to 16 cm)	Rubber fragment Size 2	16	0.016
	Rubber			
	Size 3 – Large ( > 16 cm)	Rubber fragment Size 3	32	0.032
Fragments	Polystyrene			_
	Size 1 – Small ( > 2.5 cm to 8 cm)	Polystyrene Fragment Size 1	24	0.024
	Polystyrene	Dolucturono Fragment Siza 3	40	0.040
	Size 2 – Medium ( > 8 cm to 16 cm) Polystyrene	Polystyrene Fragment Size 2	48	0.048
	Size 3 – Large ( > 16 cm)	Polystyrene Fragment Size 3	96	0.096
Fragments			30	2.333
				İ

Cloth fragment Size 1

Cloth fragment Size 2

Cloth fragment Size 3

Size 1 – Small ( > 2.5 cm to 8 cm)

Size 2 – Medium ( > 8 cm to 16 cm)

Size 3 – Large ( > 16 cm)

Cloth

0.008

0.016

0.032

8

16

32

# **Category Classifications**

	•		
		Captured in Single Use Plastic Category	Captured in Takeaway Food Packaging Category
_		Category	Category
Р	Cigarette butts and filters		
L	Day Day Day		
A S	Bag - Dog Poo Bag - Fruit/Veg		
T	Bag - Green Reusable		
T. Comment	Bag - Heavy Boutique	Υ	
С	Bag - Heavy Supermrkt		
	Bag – Ice	Y	
	Bag -Lightweight shop 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	Υ
	Cup – Reusable		
	Cutlery/chopsticks Fishing related	Y	Y
	Food/confect. Wrappers		Υ
	Lids - Beverage container lids /caps	Y	Υ
	Lids - Plastic cup lid Lids -Coffee cup lid	Y	Y Y
	Lids - Other	Υ	Υ
	Lollipop Sticks Non-Food Bottle	Y	Y
	Non-Food package		
	Other Food Package	Y	
	Plate/bowl – single use	Y	Υ
	Plate/bowl – reusable Plastic wrap non-food		
	Six pack rings		Υ
	Strapping band	.,	.,
	Stirrers Straws	Y	Y
	Syringe		
	Takeaway food container	Y	Y
	Tape/narrow soft plastic film Tobacco pouch		
	Toys		
	Whipper snipper cord		
	Other plastic item		
M E	Aerosol cans Aluminium foil wrap		
T	Foil takeaway container		Υ
Α .	Lids, bottle tops, can ring pulls		Y
L GLASS	Other metal item Glass jars		
GDIOS	Other glass item		
Р	Cigarette packets		
A P	Cup - Coffee cup Cup - Other paper cup		Y Y
E	Ice cream wrappers		Y
R	Junk mail / free circulars		
	Newspaper/Magazine		
&	Packages & boxes Paper bags		
С	Paper/card food packaging		Υ
Α	Paper tissues/napkin		
R D	Shopper dockets, tickets/receipts  Other paper & card.		
RUBBER	Rubber band/hair tie		
	Rubber toy		
	Tyre pieces		
	Tyres		
P	Other rubber item Cups (foam)		Y
0	Food pack./clam shells	Υ	Y
L	Insulation & Packaging		
CLOTH	Other polystyrene item Clothing		
CLOTH	Other cloth item		
0	Balloons		
Т	Batteries		
H	Condom		
E R	Construction materials  Cotton buds/tips (non- plastic)		
K	Cutlery (non-plastic)		
	7, , ,		

		Captured in Single Use Plastic Category	Captured in Takeaway Food Packaging Category
Beverage Containers			
Plastic	Drink pouches <150 ml		
	Drink pouches 150-499mL		
	Drink pouches 500-999mL		
	Drink pouches 1000mL-3000mL  Drink pouches >3000mL		
Plastic	Flav. Milk <150 ml		
	Flav. Milk 150-499mL		
	Flav. Milk 500-999mL		
	Flav. Milk 1000mL-3000mL		
Plastic	Flav. Milk >3000mL  Soft Dr/FW/FJD/SpD/EnD <150 ml		
	Soft Dr/FW/FJD/SpD/EnD 150-499mL		
	Soft Dr/FW/FJD/SpD/EnD 500-999mL		
	Soft Dr/FW/FJD/SpD/EnD 1000mL-3000mL		
Plastic	Soft Dr/FW/FJD/SpD/EnD >3000mL   Fruit/vegetable juice <150 ml		
Plastic	Fruit/vegetable juice <150 mi		
	Fruit/vegetable juice 500-999mL		
	Fruit/vegetable juice 1000mL-3000mL		
Plastic	Fruit/vegetable juice >3000mL  Water <150 ml		
	Water 150-499mL Water 500-999mL		
	Water 1000-999HL  Water 1000mL-3000mL		
Di	Water >3000mL		
Plastic	White milk <150 ml  White milk 150-499mL		
	White milk 500-999mL		
	White milk 1000mL-3000mL		
	White milk >3000mL		
Metal	Beer <150 ml Beer 150-499mL		
	Beer 500-999mL		
	Beer 1000mL-3000mL		
Metal	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		
Metal	Premixed spirit drinks <150 ml		
	Premixed spirit drinks 150-499mL		
	Premixed spirit drinks 500-999mL		
	Premixed spirit drinks 1000mL-3000mL  Premixed spirit drinks >3000mL		
Metal	Soft Dr/FW/FJD/SpD/EnD <150 ml		
	Soft Dr/FW/FJD/SpD/EnD 150-499mL		
	Soft Dr/FW/FJD/SpD/EnD 500-999mL		
	Soft Dr/FW/FJD/SpD/EnD 1000mL-3000mL Soft Dr/FW/FJD/SpD/EnD >3000mL		
Metal	Wine Bladders <150 ml		
	Wine Bladders 150-499mL Wine Bladders 500-999mL		
	Wine Bladders 1000mL-3000mL		
	Wine Bladders >3000mL		
Glass	Wine <150 ml		
	Wine 150-499mL  Wine 500-999mL		
	Wine 1000mL-3000mL		
	Wine >3000mL		
Glass	Spirit <150 ml		
	Spirit 150-499mL Spirit 500-999mL		
	Spirit 1000mL-3000mL		
	Spirit >3000mL		
Glass	Premixed spirit drinks <150 ml		
	Premixed spirit drinks 150-499mL Premixed spirit drinks 500-999mL		
	Premixed spirit drinks 1000mL-3000mL		
	Premixed spirit drinks >3000mL		
Glass	Beer <150 ml		
	Beer 150-499mL		
	Beer 1000ml -3000ml		
	Beer 1000mL-3000mL  Beer >3000mL		
Glass	Cider <150 ml		
	Cider 150-499mL		

		Captured in Single Use Plastic Category	Captured in Takeaway Food Packaging Category
M	Dog poo		
A	Electrical wire		
Т	Face mask – disposable		
E	Face mask – reusable		
R	Fruit/vegetable/food		
- 1	Gum		
A	Ice Cream Stick		Υ
L	Nappy		-
S	Personal Effects		
	Plate/bowl (non-plastic)		
	Rope/string		
	Sanitary Items		
	Stirrers (non-plastic)		
	Straw (non-plastic)		
	Vape packaging		
	Vape pen		
	Vehicle parts		
	Wet wipes		
	Wooden items		
	Unknown item		
Fragments	Hard plastic		
	Size 1 – Small ( > 2.5 cm to 8 cm)		
	Hard plastic Size 2 – Medium ( > 8 cm to 16 cm)		
	Hard plastic		
	Size 3 – Large ( > 16 cm)		
Fragments	Soft plastic		
	Size 1 – Small ( > 2.5 cm to 8 cm)		
	Soft plastic Size 2 – Medium ( > 8 cm to 16 cm)		
	Soft plastic		
	Size 3 – Large ( > 16 cm)		
Fragments	Metal		
	Size 1 – Small ( > 2.5 cm to 8 cm)		
	Metal		
	Size 2 – Medium ( > 8 cm to 16 cm)  Metal		
	Size 3 – Large ( > 16 cm)		
Fragments	Glass		
	Size 1 – Small ( > 2.5 cm to 8 cm)		
	Glass		
	Size 2 – Medium ( > 8 cm to 16 cm) Glass		
	Size 3 – Large ( > 16 cm)		
Fragments	Paper and Card		
	Size 1 – Small ( > 2.5 cm to 8 cm)		
	Paper and Card		
	Size 2 – Medium ( > 8 cm to 16 cm)  Paper and Card		
	Size 3 – Large ( > 16 cm)		
Fragments	Rubber		
	Size 1 – Small ( > 2.5 cm to 8 cm)		
	Rubber		
	Size 2 – Medium ( > 8 cm to 16 cm)		
	Rubber Size 3 – Large / > 16 cm)		
Fragments	Size 3 – Large ( > 16 cm)  Polystyrene		
. ruginicitus	Size 1 – Small ( > 2.5 cm to 8 cm)		
	Polystyrene		
	Size 2 – Medium ( > 8 cm to 16 cm)		
	Polystyrene		
Fragments	Size 3 – Large ( > 16 cm)		
Fragments	Cloth Size 1 – Small ( > 2.5 cm to 8 cm)		
	Cloth		
	Size 2 – Medium ( > 8 cm to 16 cm)		
	Cloth		

		Captured in Single Use Plastic Category	Captured in Takeaway Food Packaging Category
	Cider 1000mL-3000mL		
	Cider >3000mL		
Glass	Soft Dr/FW/FJD/SpD/EnD <150 ml Soft Dr/FW/FJD/SpD/EnD 150-499mL		
	Soft Dr/FW/FJD/SpD/EnD 500-999mL		
	Soft Dr/FW/FJD/SpD/EnD 1000mL-3000mL		
Glass	Soft Dr/FW/FJD/SpD/EnD >3000mL Fruit juice <150 ml		
Glass	Fruit juice 150-499mL		
	Fruit juice 500-999mL		
	Fruit juice 1000mL-3000mL		
Glass	Fruit juice >3000mL  Water <150 ml		
Ciuso	Water 150-499mL		
	Water 500-999mL		
	Water 1000mL-3000mL		
Glass	Water > 3000mL Wine-based/wine cooler < 150 ml		
Glass	Wine-based/wine cooler 150-499mL		
	Wine-based/wine cooler 500-999mL		
	Wine-based/wine cooler 1000mL-3000mL		
	Wine-based/wine cooler >3000mL		
Card	Flav. milk (Cartons) <150 ml		
	Flav. milk (Cartons) 150-499mL		
	Flav. milk (Cartons) 500-999mL		
	Flav. milk (Cartons) 1000mL-3000mL		
	Flav. milk (Cartons) >3000mL		
Card	Fruit Juice <150 ml		
	Fruit Juice 150-499mL		
	Fruit Juice 500-999mL		
	Fruit Juice 1000mL-3000mL		
	Fruit Juice >3000mL		
Card	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		
Card	Milk, plain (white) <150 ml		
	Milk, plain (white) 150-499mL		
	Milk, plain (white) 500-999mL		
	Milk, plain (white) 1000mL-3000mL		
	Milk, plain (white) >3000mL		
Any	Other beverage <150 ml		
	Other beverage 150-499mL		
	Other beverage 500-999mL		
	Other beverage 1000mL-3000mL Other beverage >3000mL		