

## Recycling Report for Smithville

Period Number: 14

Period Ends: 30-Jun-05

### Summary Data

#### Summary of Weight, Cost and Yield Data

##### Non-Green/Organic Waste

Collection System	Weight (T)	Cost (\$)	Yield (kg/hhd/yr)	Unit Cost (\$/T)
Kerbside	3385.7	\$391,974	178.1	\$116
Vergeside	12.5	\$865	0.7	\$69
Dropoff			N/A	
Resource Recovery			N/A	
<b>Sub Total (NGW)</b>	<b>3398.2</b>	<b>\$392,839</b>	<b>178.8</b>	<b>\$116</b>

##### Green/Organic Waste

Collection System	Weight (T)	Cost (\$)	Yield (kg/hhd/yr)	Unit Cost (\$/T)
Kerbside			N/A	
Vergeside	3913.0	\$271,639	205.9	\$69
Dropoff			N/A	
Resource Recovery			N/A	
<b>Sub Total (NGW)</b>	<b>3913.0</b>	<b>\$271,639</b>	<b>205.9</b>	<b>\$69</b>

##### Total

Collection System	Weight (T)	Cost (\$)	Yield (kg/hhd/yr)	Unit Cost (\$/T)
Kerbside	3385.7	\$391,974	178.1	\$116
Vergeside	3925.5	\$272,504	206.5	\$139
Dropoff	0.0	\$0	0.0	\$0
Resource Recovery	0.0	\$0	0.0	\$0
<b>Sub Total (NGW)</b>	<b>7311.2</b>	<b>\$664,478</b>	<b>384.7</b>	<b>\$91</b>

##### Interpretation Notes:

The data presented in this table and in the graphs below is based on the material for which a rebate has been awarded under the Resource Recovery Rebate Scheme (RRRS). Sometimes not all of the material claimed by a Council will be awarded.

Continued Over Page

**Interpretation Notes Continued:**

For instance if the recycling has not been adequately documented or if the material has been collected but not recycled in this period, this might explain any variation between the data presented here and recycling records maintained by you.

You should exercise caution when interpreting red shaded cost data as it provides a rough estimate only.

If Cost Data is shaded red, this indicates that the cost quoted by your Council for this system was the combined cost of the Greenwaste and Non-Greenwaste services. MWAC staff have estimated the cost of the Greenwaste and Non-Greenwaste components by assigning a portion of the quoted combined cost to each component based on the proportion of material captured. For example the Calculation for vergeside NGW would look like this:  $(\text{overall vergeside cost}) * ((\text{tonnes vergeside NGW}) / ((\text{tonnes vergeside NGW}) + (\text{tonnes vergeside GW})))$ .

When reviewing Vergeside and/or Dropoff graphs and data, please note that instances of zero or highly variable material tonnages are likely to be a function irregularity of service provision and/or delays in the aggregation or processing of the materials.

A number of parameters for your council's collection systems over time have been specified in a table on the following page. You can use this table while considering the graphs to find any obvious explanations of changes in system performance.

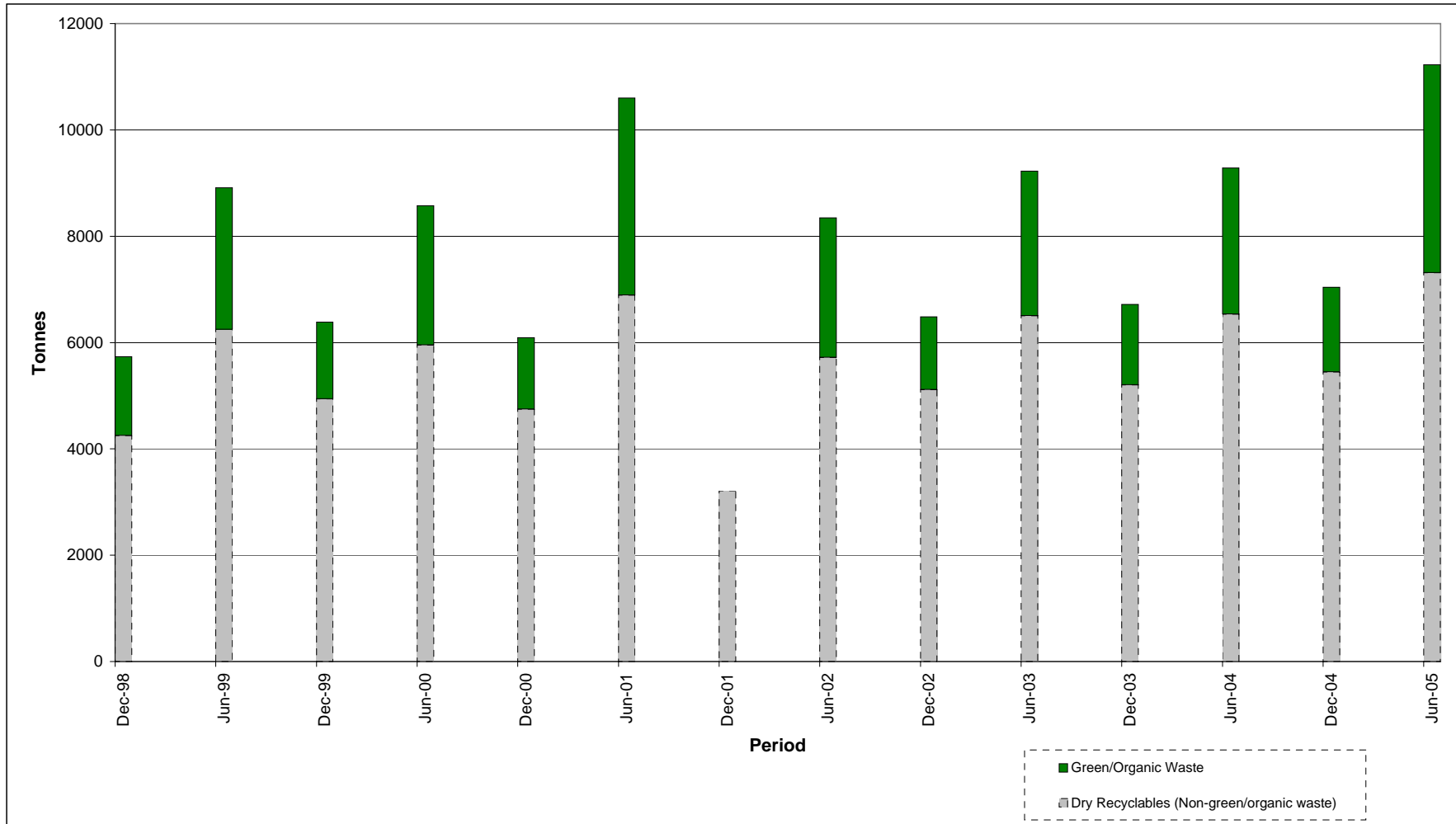
## Summary of Collection System Parameters by Period

Period Number	Period End	Number of Dwellings	kerbside recycling (NGW) in this period?	vergeside recycling (NGW) in this period?	drop-off recycling (NGW) in this period?	resource recovery (NGW) in this period?	greenwaste recycling in this period?	kerbside frequency	kerbside container	anomalous kerbside performance?	vergeside frequency
1	Dec-98	34180	YES	YES	YES	NO	YES	fortnightly	MGB	NO	N/A
2	Jun-99	34180	YES	YES	YES	NO	YES	fortnightly	MGB	NO	N/A
3	Dec-99	34180	YES	YES	YES	NO	YES	fortnightly	MGB	NO	N/A
4	Jun-00	34180	YES	NO	YES	NO	YES	fortnightly	MGB	NO	N/A
5	Dec-00	34180	YES	NO	NO	NO	YES	fortnightly	MGB	NO	N/A
6	Jun-01	35748	YES	NO	NO	NO	YES	fortnightly	MGB	NO	N/A
7	Dec-01	35748	YES	YES	YES	NO	NO	fortnightly	MGB	NO	N/A
8	Jun-02	39389	YES	NO	NO	NO	YES	fortnightly	MGB	NO	N/A
9	Dec-02	39389	YES	YES	YES	NO	YES	fortnightly	MGB	YES	N/A
10	Jun-03	36459	YES	YES	NO	NO	YES	fortnightly	MGB	YES	1
11	Dec-03	37000	YES	YES	NO	NO	YES	fortnightly	MGB	NO	1
12	Jun-04	38011	YES	YES	NO	NO	YES	fortnightly	MGB	YES	1
13	Dec-04	38011	YES	YES	NO	NO	YES	fortnightly	MGB	NO	1
14	Jun-05	38012	YES	YES	NO	NO	YES	fortnightly	MGB	NO	2

Anomalous kerbside performance means that the non-greenwaste tonnes collected at kerbside in this period deviated from the average of all previous kerbside tonnages by more than one standard error.

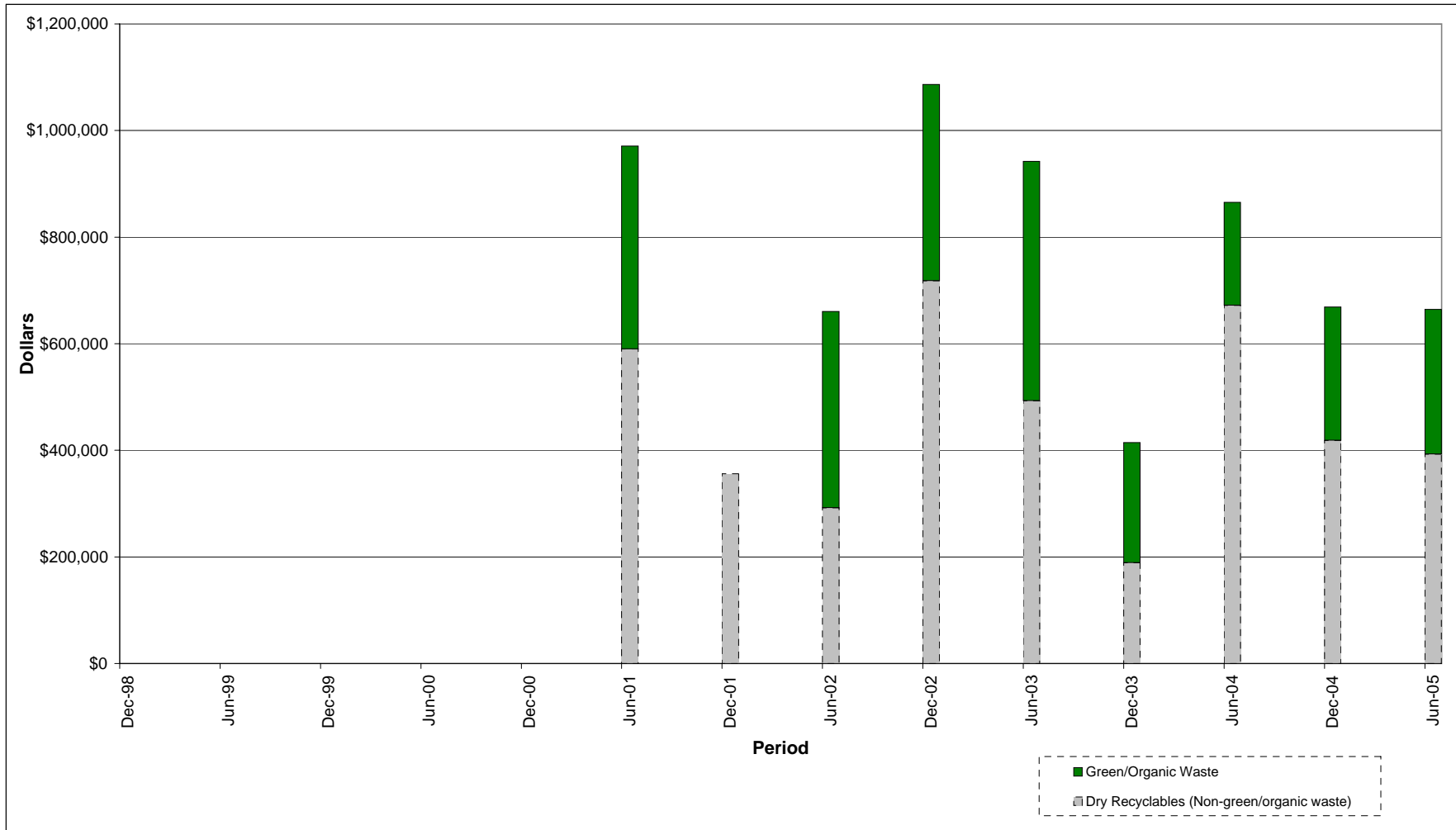
## Graphs

Total Recycling/Recovery - Green/organic waste and Dry Recyclables (Non-green/organic waste)



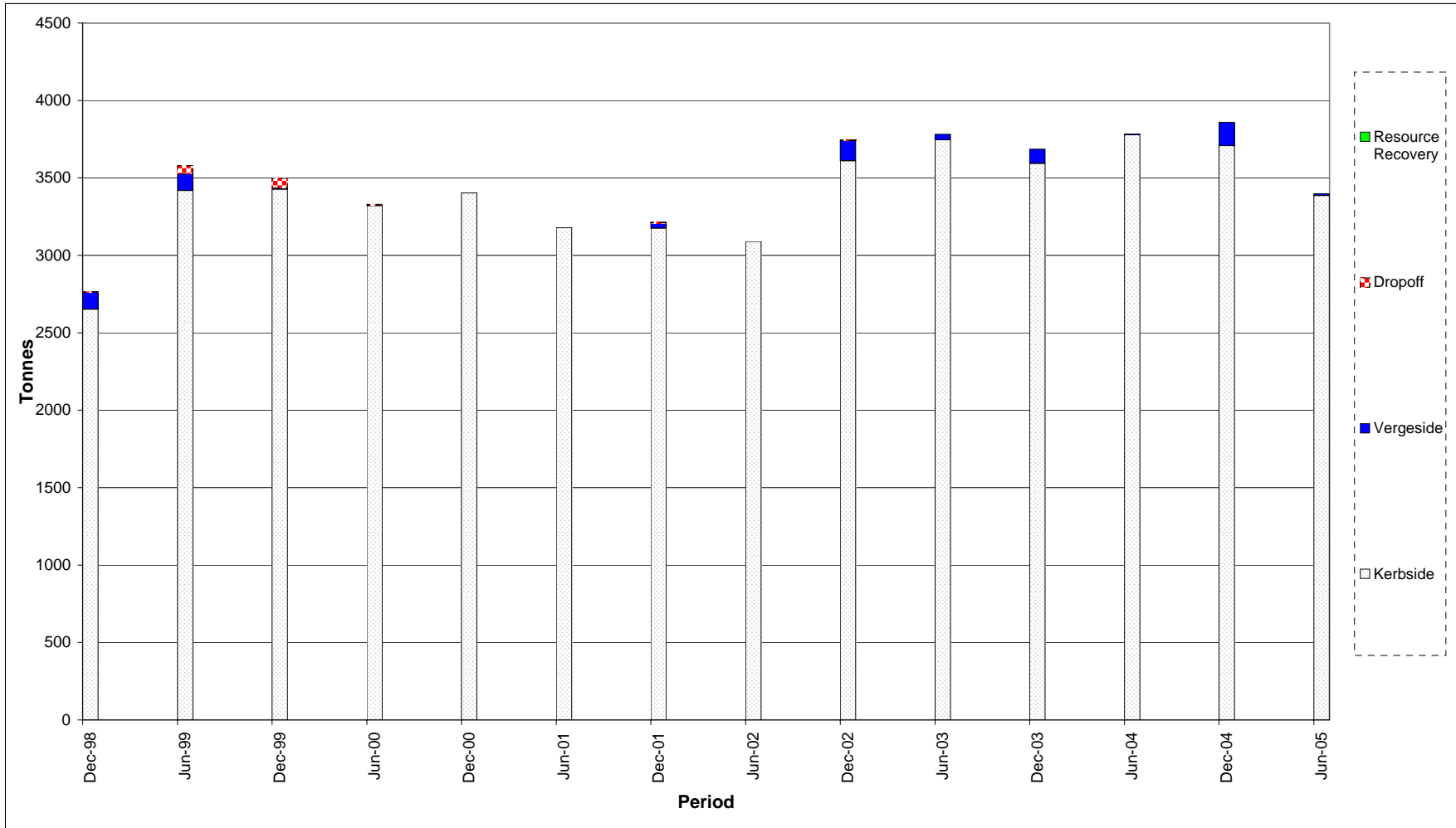
Comments:

## Total Cost - Green/organic waste and Dry Recyclables (Non-green/organic waste)



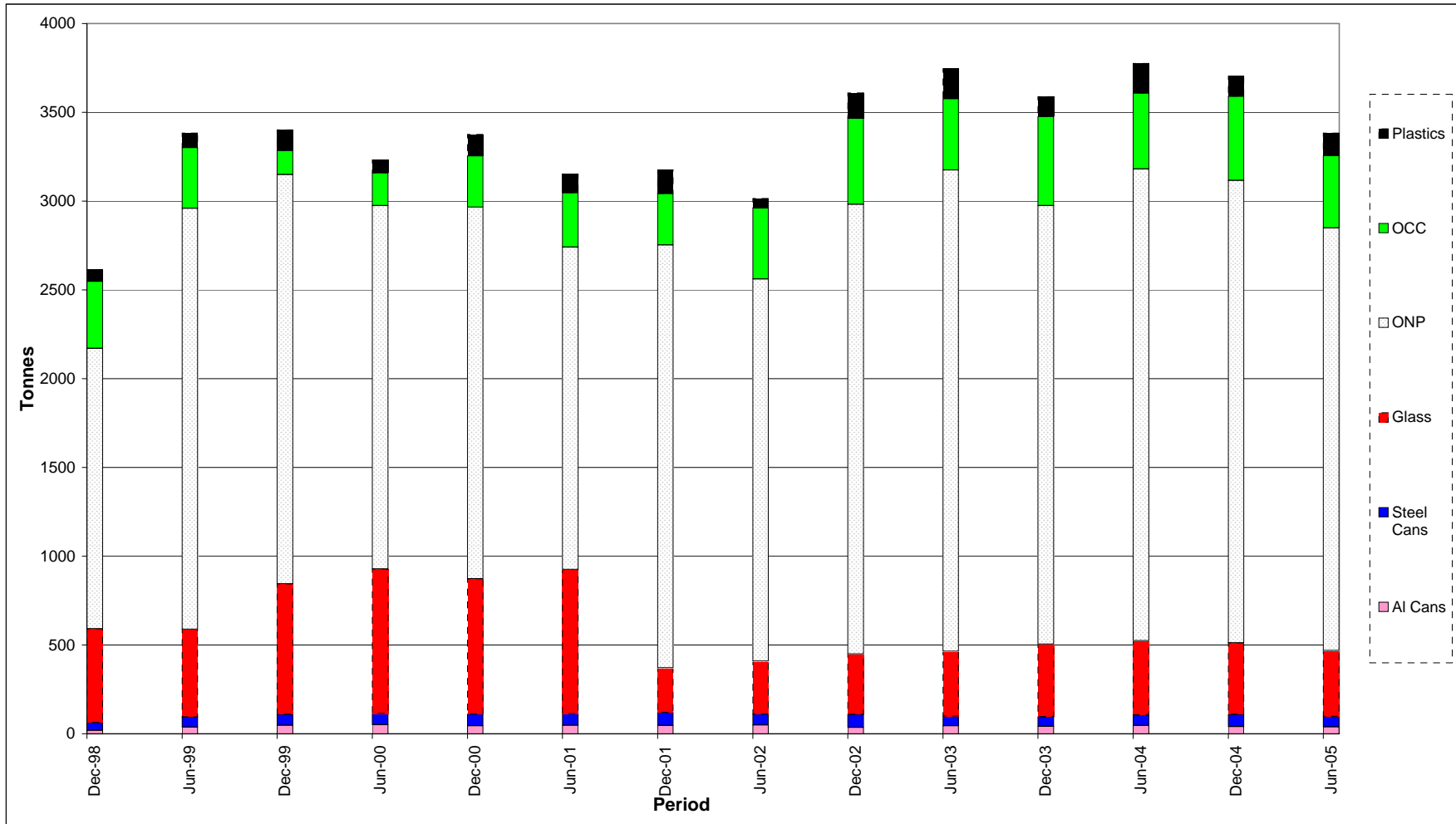
Comments: \*\*\*NB when comparing cost data between councils, please be mindful that accounting practices vary. \*\*\*Cost data from Period 1-5 were not collected. If required, please supply these data to the Municipal Waste Advisory Council and they will be indicated in future reports.

## Total Dry Recyclables (Non-Green/organic waste) Recycling/Recovery - System Subtotals



Comments:

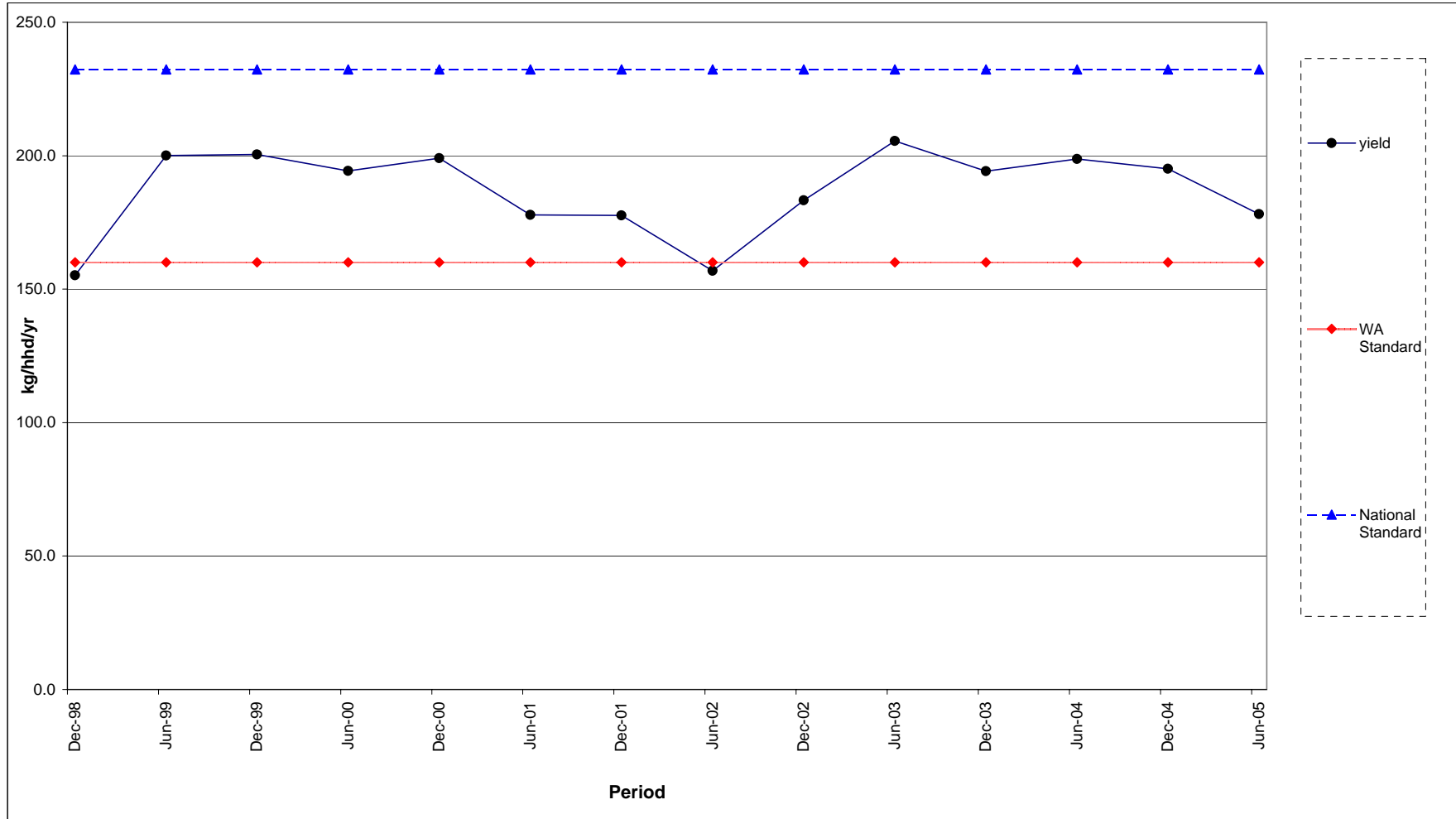
## Kerbside Recycling - Dry Recyclables (Non-Green/Organic Waste)



Comments:

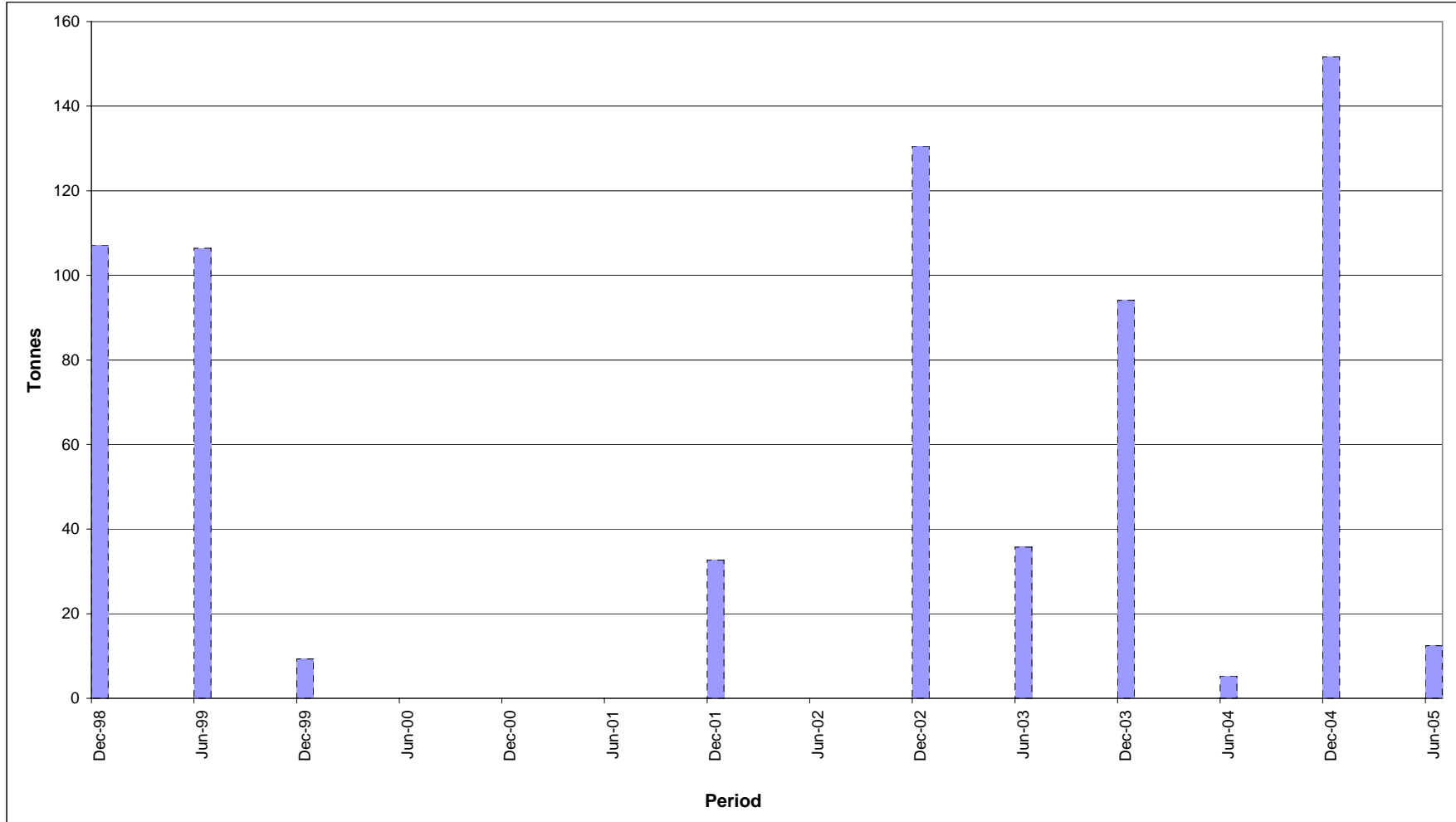
## Kerbside Recycling Rate (annualised)

Traditional Recyclables (kg/household/year)



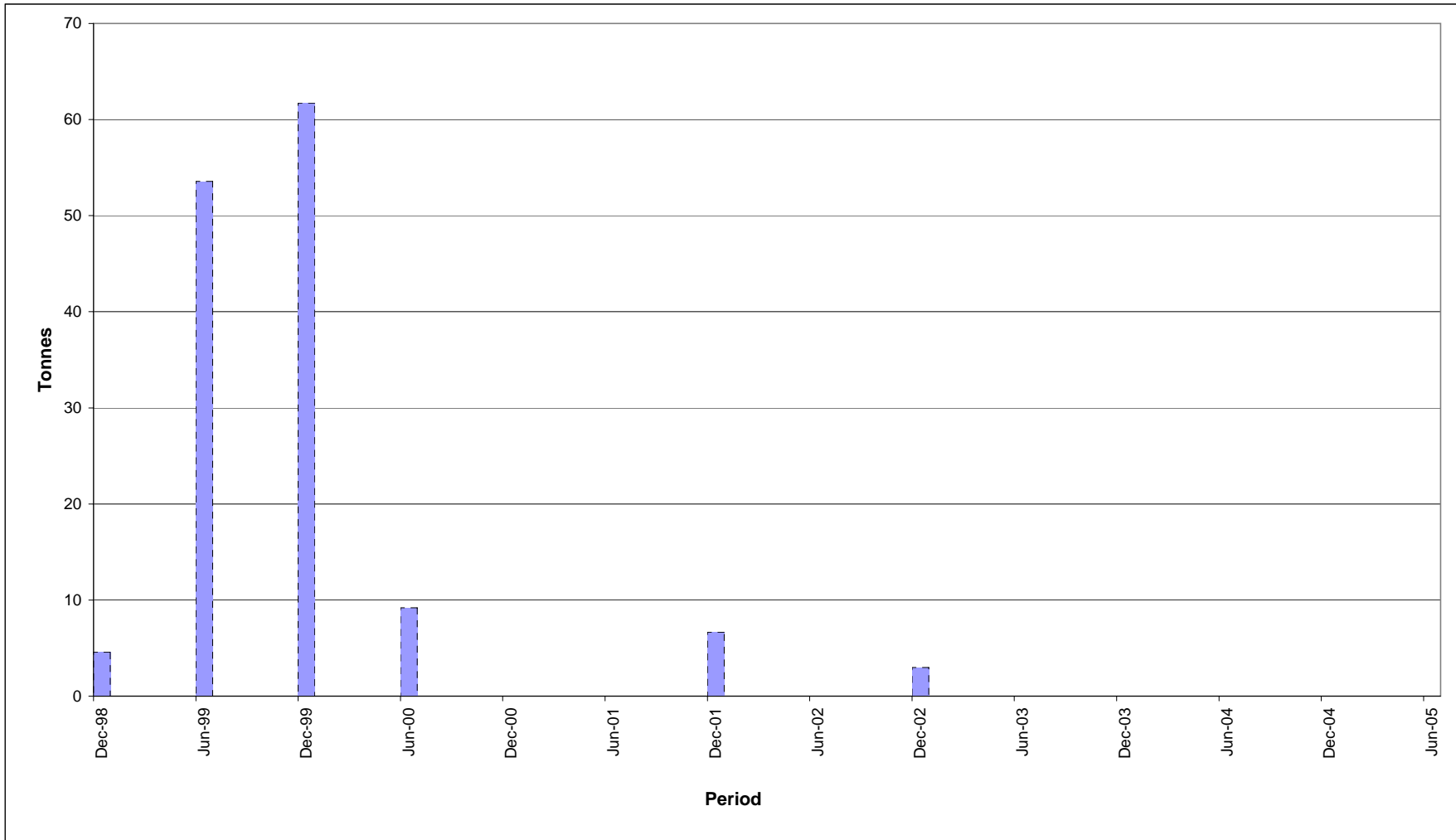
Comments: \*\*\*The Yield is an annualised recovery rate that doubles the 6month period data and adjusts for the number of households in your council service area. \*\*\*The WA Standard is calculated using the data from other councils participating in the Resource Recovery Rebate Scheme. \*\*\*The National Standard is calculated using the data published other states. \*\*\*The standards are indicative only.

### Vergeside Recycling/Recovery - Dry Recyclables (Non Green/Organic waste)



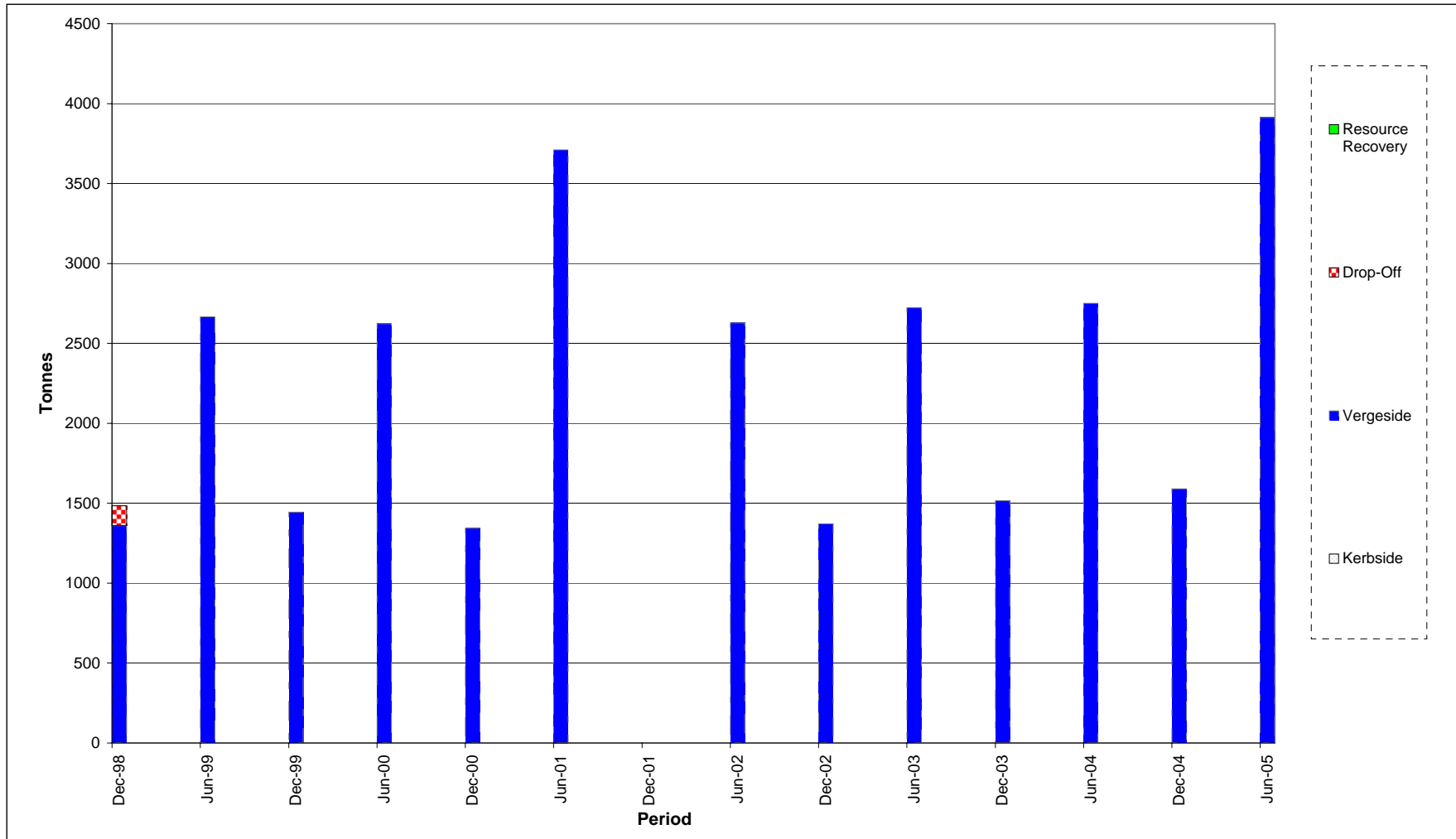
Comments: \*\*\*NB instances of zero or highly variable material tonnages are likely to be a function irregularity of service provision and/or delays in the aggregation or processing of the materials.\*\*\*Quantity data from Periods 4-6 & 8 have not been recorded. If required, please supply these data to the Municipal Waste Advisory Council and they will be indicated in future reports.

### Drop-off Recycling/Recovery - Dry Recyclables (Non-Green/Organic waste)



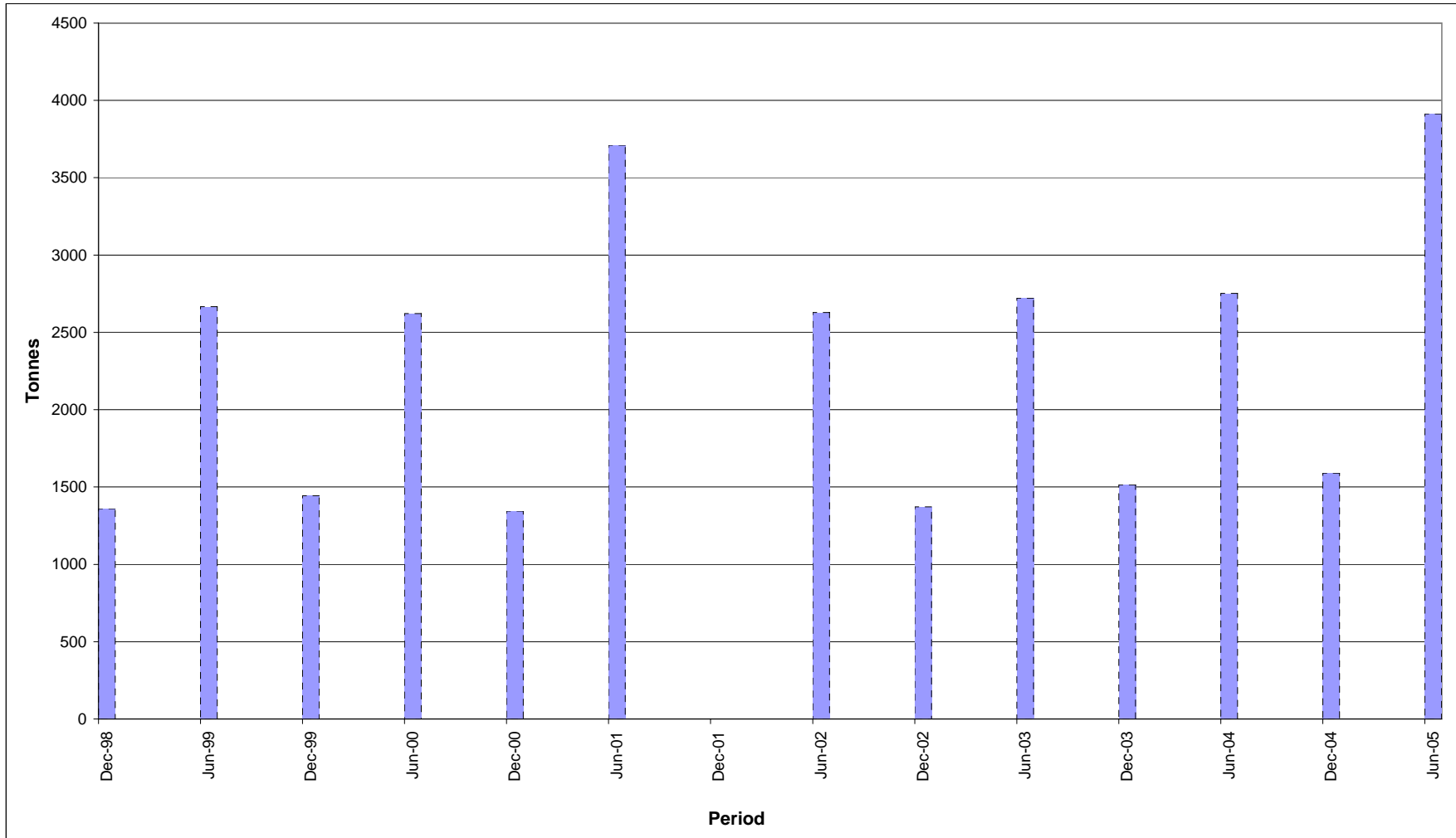
**Comments:** \*\*\*NB instances of zero or highly variable material tonnages are likely to be a function irregularity of service provision and/or delays in the aggregation or processing of the materials.\*\*\*Quantity data from Periods 5-6, 8 & 10-13 have not been recorded. If required, please supply these data to the Municipal Waste Advisory Council and they will be indicated in future reports.

### Total Green/Organic Waste - System Contributions



Comment: \*\*\*Quantity data for Period 7 have not been recorded. If required, please supply these data to the Municipal Waste Advisory Council and they will be indicated in future reports.

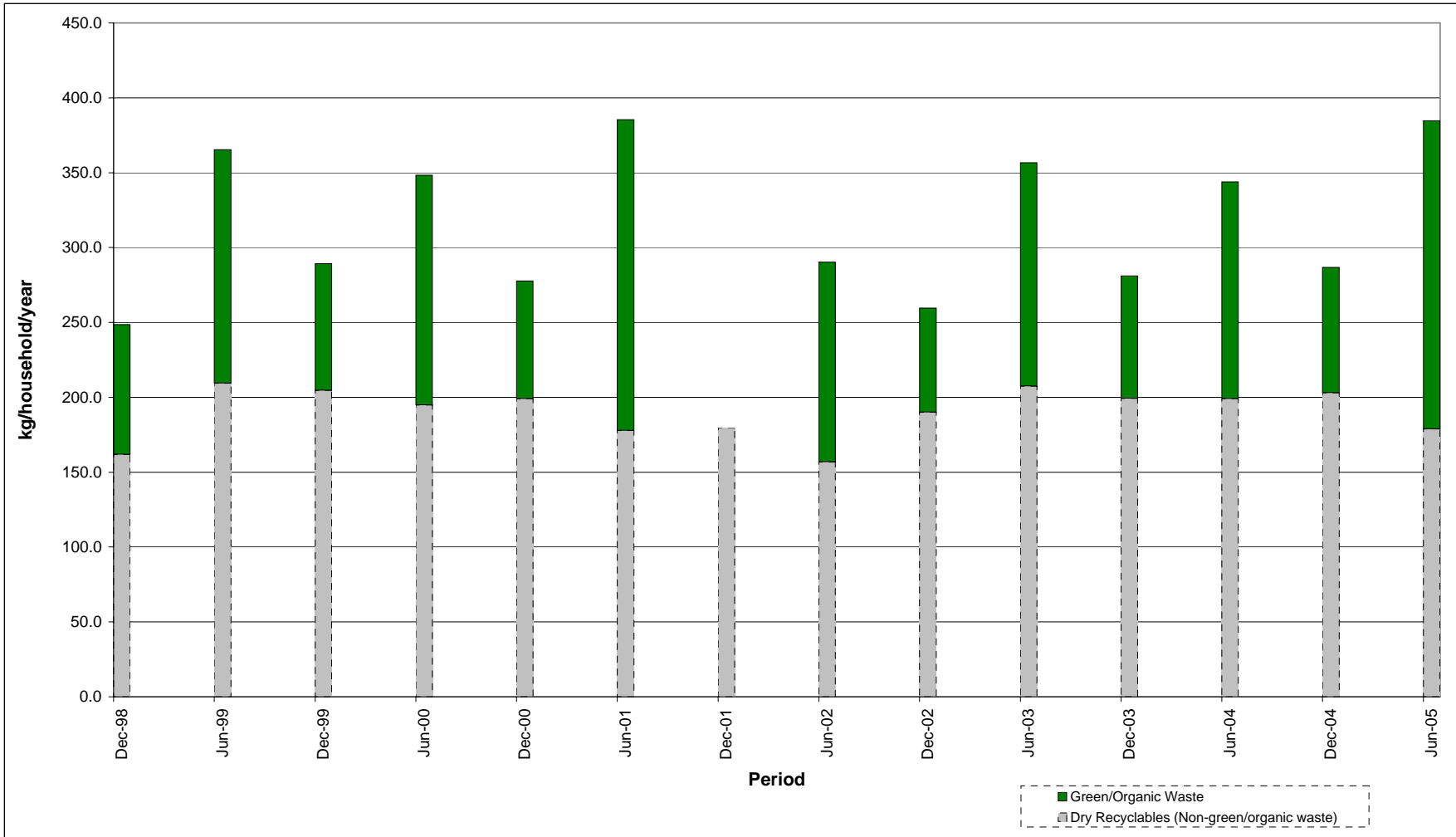
### Vergeside Recycling/Recovery - Green/Organic waste



**Comment:** \*\*\*NB instances of zero or highly variable material tonnages are likely to be a function irregularity of service provision and/or delays in the aggregation or processing of the materials.\*\*\*Quantity data for Period 7 have not been recorded. If required, please supply these data to the Municipal Waste Advisory Council and they will be indicated in future reports.

## Annualised Recovery per Household - All Sources/All Materials

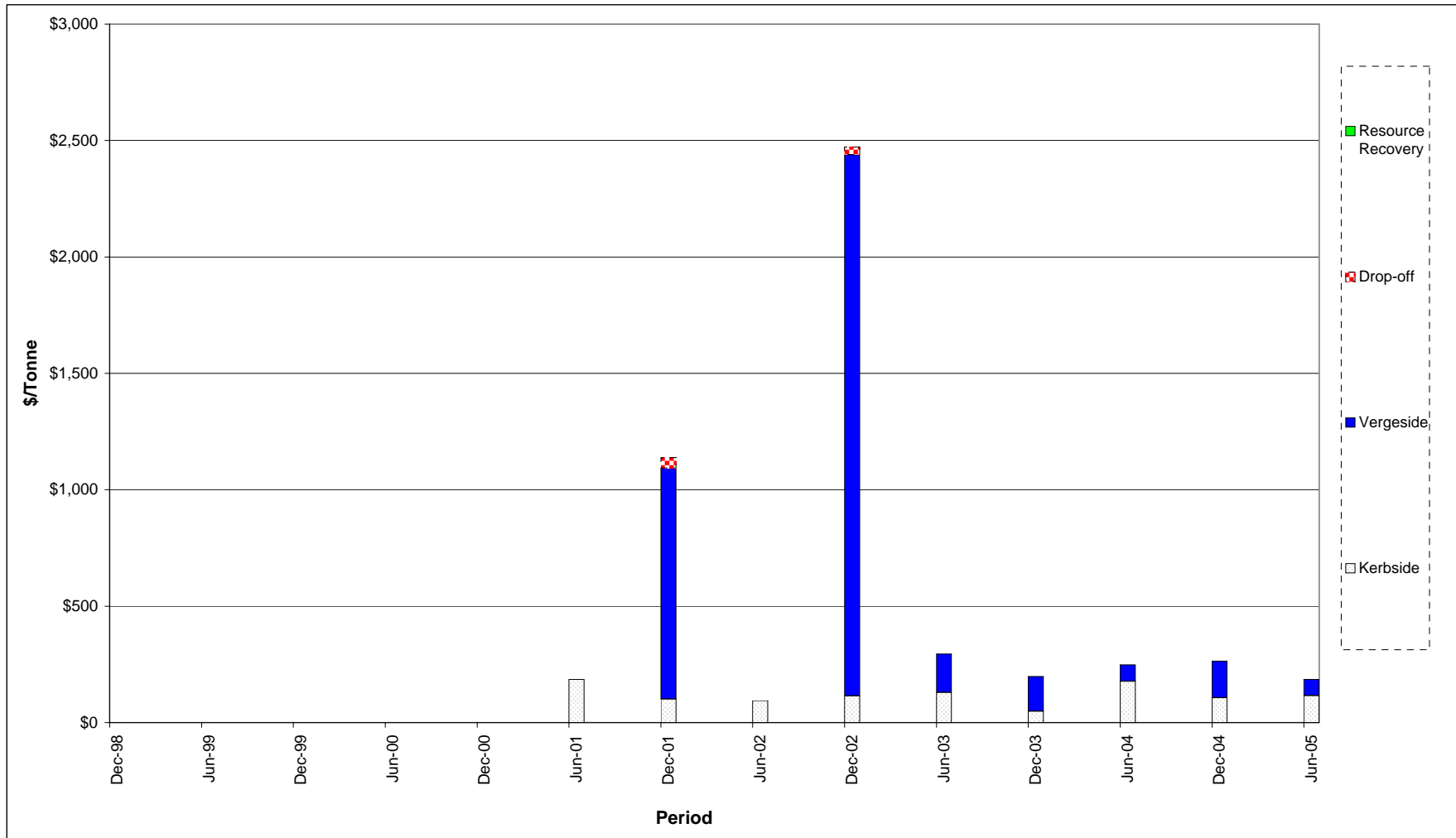
(Yield = kg/household/per year)



Comment:

## Cost Per Tonne - Dry Recyclables (Non-Green/Organic waste)

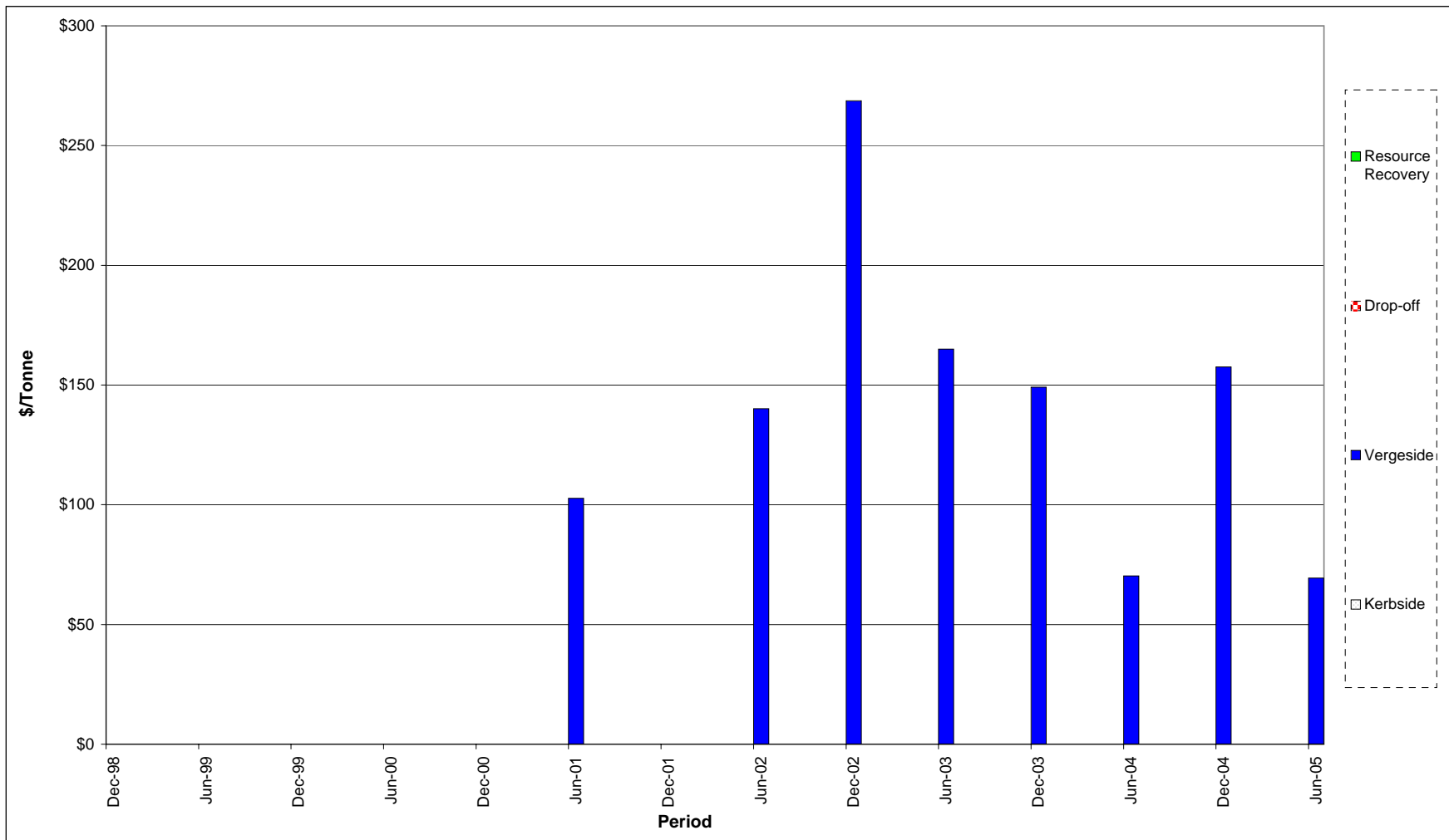
\$/Tonne Recovered



Comment: \*\*\*NB when comparing cost data between councils, please be mindful that accounting practices vary.\*\*\* Cost data from Periods 1-5 were not requested. If required, please supply these data to the Municipal Waste Advisory Council and they will be indicated in future reports.

## Cost per Tonne - Green/Organic waste

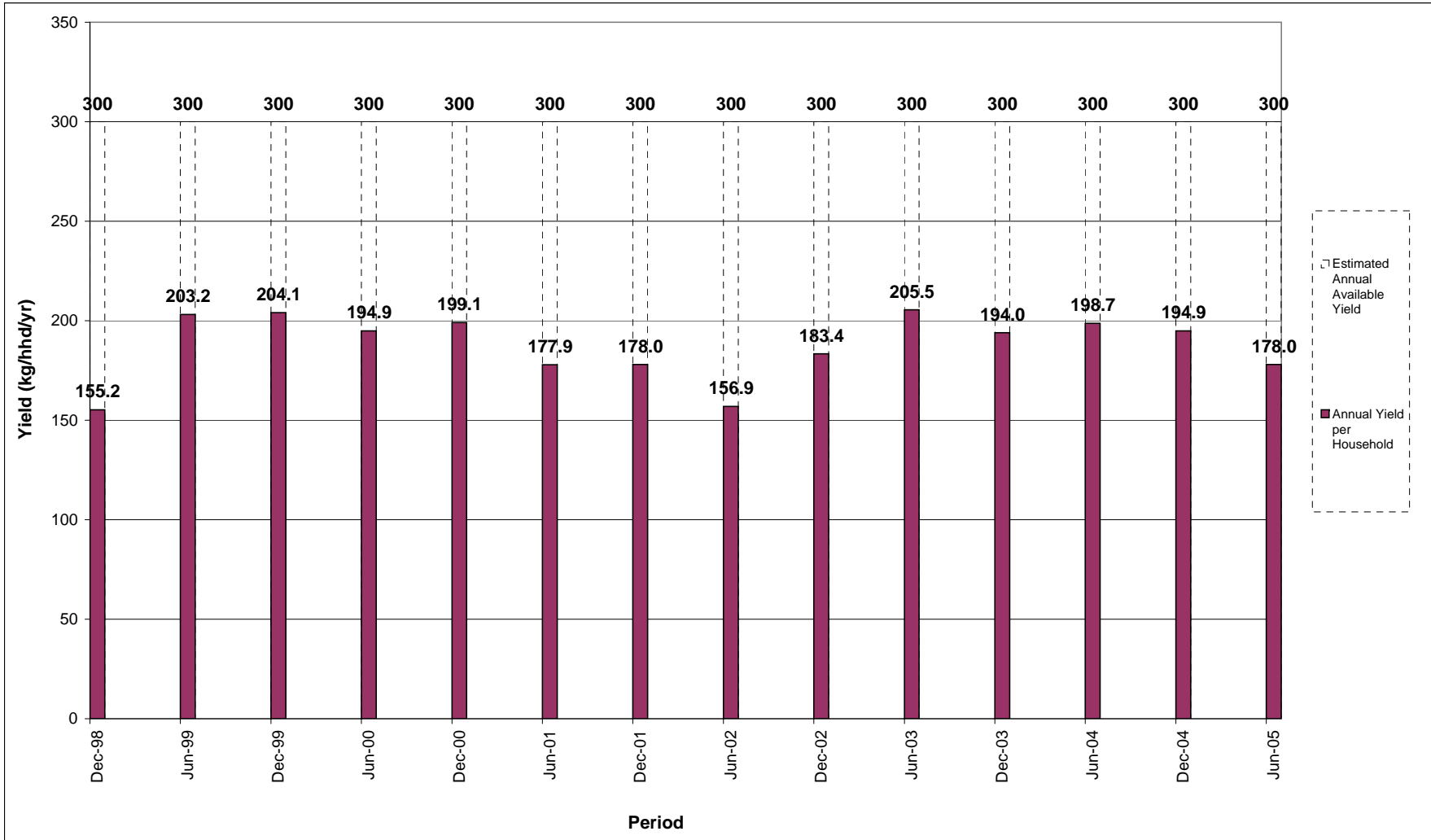
\$/Tonne Recovered



Comment: \*\*\*NB when comparing cost data between councils, please be mindful that accounting practices vary.\*\*\*Cost data from Periods 1-5 were not requested. If required, please supply these data to the Municipal Waste Advisory Council and they will be indicated in future reports.\*\*\*Quantity data for Period 7 have not been recorded. If required, please supply these data to the Municipal Waste Advisory Council and they will be indicated in future reports.

## Dry Recyclables

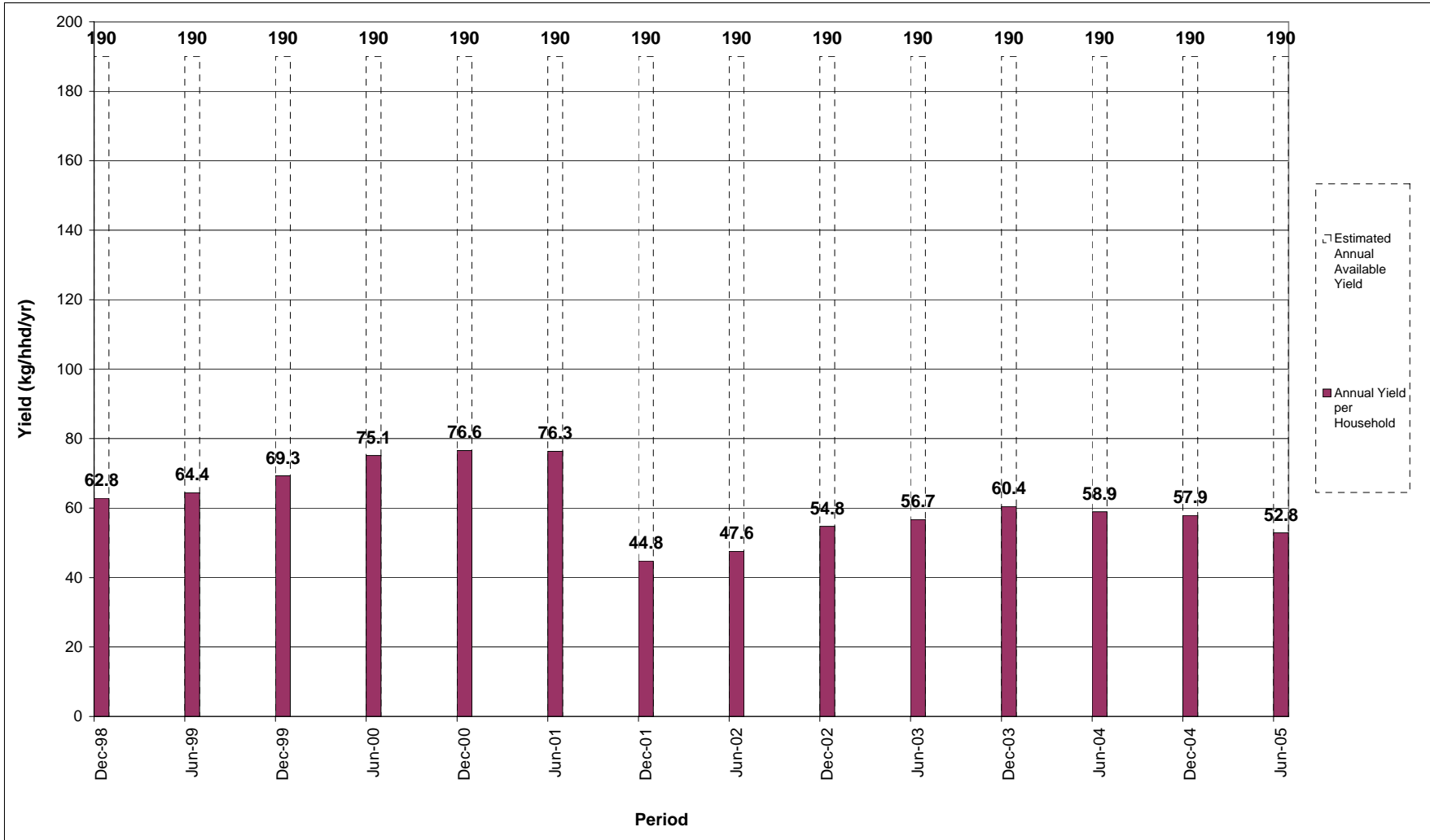
Includes newspapers and packaging containers but excludes all putrescible waste and large metal scrap etc



Comment:

## Recyclable Packaging

Includes packaging containers but excludes all newspaper, putrescible waste and large metal scrap etc



Comment: