

MAROOCHY WATER SERVICES

Rainwater Tank Rebate Scheme

March 2004



Maroochy Water Services

Rainwater Tank Rebate Scheme

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Maroochy Water Services

Rainwater Tank Rebate Scheme



1 Introduction

1.1 Background

Maroochy Shire Council introduced a rainwater tank rebate scheme for urban properties within the water benefited area of the shire in 1995. The objective of this rebate scheme was to encourage residents to utilise rainwater for outdoor garden watering and other external purposes, primarily as a means of reducing overall demand on the potable reticulated supply.

The eligibility conditions for the rebate include warnings to discourage the use of rainwater for drinking purposes. Council also require each installation to be vetted by a Council Plumbing Inspector to ensure there is no cross connection with the reticulated water supply scheme. A copy of the Rainwater Tank Rebate Application Form and Eligibility Conditions are included in Appendix A

Property details were recorded during the rebate application process and this information has been retained by Maroochy Water Services (MWS). MWS also have reticulated water supply consumption data for each of these properties dating back to the 1993 introduction of water meters.

Given the relatively long period this scheme has been in place MWS - with support from the Queensland Environmental Protection Agency (EPA) - decided to investigate;

- the operation and performance of installed rainwater tanks.
- the effectiveness of the rebate scheme in encouraging rainwater tank installation
- owners' perceptions about their rainwater tanks and the rebate scheme.

A program of water quality testing, tank condition assessment and resident surveys was carried out early in 2003.

1.2 Report Objectives

The key objectives of this investigation can be divided into three broad categories, as set out below;

Consumption

- Determine if rainwater tanks reduce metered water consumption
- Determine if tank size is a factor in reduced metered water consumption

Water Quality

- Determine if tank water complies with Australian Drinking Water Guidelines (ADWG)
- Identify if distance from coast affects rainwater tank salinity(TDS)
- Identify if tank condition affects water quality
- Identify if tank material affects water quality
- Check if first flush improves water quality
- Check if tank inlet screens improve water quality

Owners' Perceptions

- Compare perceived water quality versus measured water quality

-
- Identify end use of rainwater
 - Identify reasons for installing tank and the significance of the Rebate Scheme in the decision
 - Check level of satisfaction by tank owners

The above information will allow the success of the original rebate scheme objectives to be measured, and provide information on how the scheme might be revised or reviewed in order to further encourage beneficial reuse of rainwater. It also potentially addresses some of the wider issues relating to the use of rainwater tanks in urban areas.

2 Methodology

2.1 Data Collection

The resident survey, tank condition assessment and water quality testing program were developed by MWS in consultation with the EPA.

Council records indicate approximately 316 rebates have been provided since 1995.

A customer survey, a copy of which is included in Appendix B, was forwarded to each of the 316 properties. Of these, 172 were either completed, or partially completed, and returned.

Eighty-five of the 316 properties were selected for field inspections, tank condition assessment and water quality testing. These 85 properties were distributed over the water-benefited area of Shire, with locations varying from 'beachside' to 'hinterland'. A copy of the Field Inspection Report is also included in Appendix B

Single grab samples were collected from each of the tanks inspected and tested for various physical and microbiological characteristics including;

- *Conductivity*
- *pH*
- *Total Coliforms*
- *E.coli*

Sampling occurred between 14 January and 31 January 2003.

2.2 Statistical Analysis Conducted

2.2.1 ANOVA test

Analysis of Variance (ANOVA) was used to test the null hypothesis that there was no difference between the population means for identified relationships, between three or more sample sets where a normal distribution of samples could be anticipated.

The key statistic in ANOVA is the F-test of difference of group means, testing if the means of the groups are different enough to have occurred by chance.

If the group means do not differ significantly then it is inferred that the independent variable(s) did not have an effect on the dependent variable. If the F test shows that overall the independent variable(s) is(are) related to the dependent variable, then *multiple comparison tests* of significance are used to explore just which value groups of the independent(s) have the most to do with the relationship.

2.2.2 Correlation Test

The correlation analysis measures the relationship between two data sets that are scaled to be independent of the unit of measurement. The correlation analysis was used to determine whether two ranges of data move together - that is, whether large values of one set were associated with large values of the other (positive correlation), whether small values of one set were associated with large values of the other (negative correlation), or whether values in both sets were unrelated (correlation near zero).

3 Analysis Results - Consumption

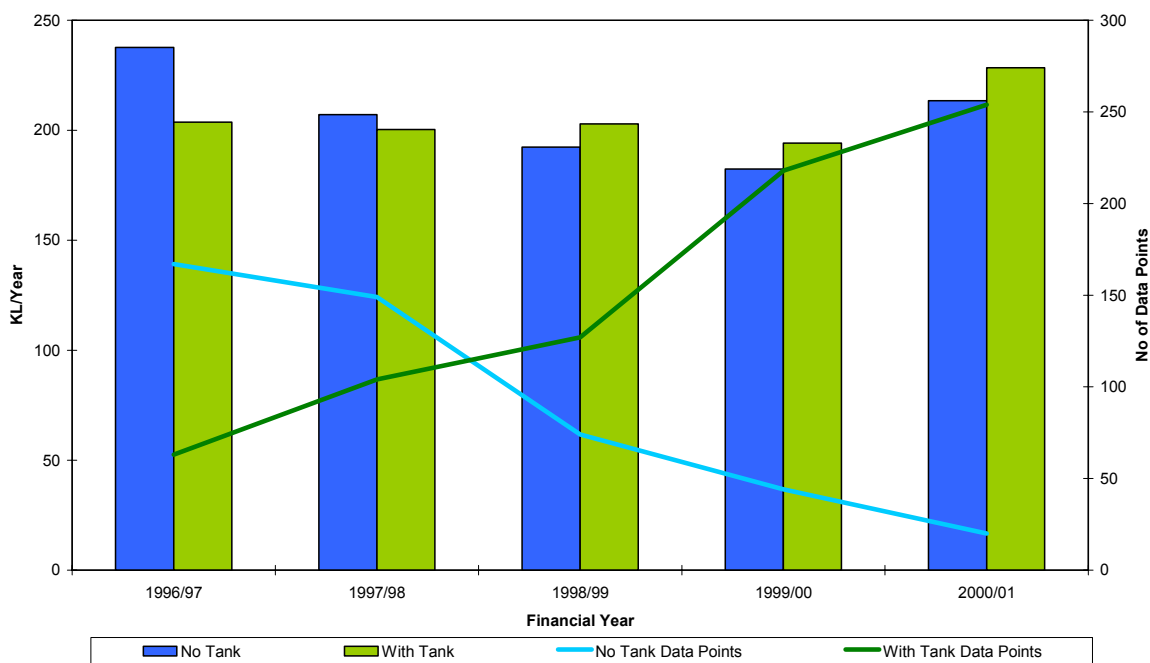
An analysis was undertaken on the following relationships to determine the effect of the parameters and their dependency on one another. The results of the statistical analysis are contained in Appendix D and are summarised below.

3.1 Presence of Rainwater Tank vs Metered Water Consumption

The objective here is to identify whether or not rainwater tanks reduce demand from the metered town supply.

A total of 316 rebates have been paid for tanks installed over the period from 1995 to 2002. Six monthly metered consumption records are also available for this period. For each year, metered consumption data for residents who had not yet installed a rainwater tank was compared with those residents who had installed a tank. The comparison is shown in Figure 1 attached.

Figure 1: Consumption Comparison for All Tanks



The comparison is made year by year, not across years. Climatic conditions, whilst they might impact on overall levels of consumption, do not affect the comparison.

Note also that the comparison is between tank owners and future tank owners. It is not a comparison between tank owners and a typical metered urban consumer. The hope here is that tank owners and future tank owners are two like-minded groups whose usage and patterns of consumption are similar. Any differences might therefore be attributable to the installation of the tank.

Figure 1 above doesn't appear to show any clear drop in metered consumption following the installation of a rainwater tank. In fact, for three of the five years compared, metered consumption was marginally higher for properties with rainwater tanks.

This is a somewhat unexpected result. However many of the tanks included in the analysis are perhaps too small to have any real impact on metered consumption. Further analysis was therefore done on larger tanks to identify if these tanks, which have greater yields and more potential for saving water, do indeed result in a reduction to metered consumption.

3.2 Tank Size vs. Water Consumption

It has been suggested that perhaps demand on the potable water supply would decrease with the installation of larger rainwater tank sizes. Figure 2 is a consumption comparison for tanks greater than 4500 litres capacity. Figure 3 is the same comparison for tanks greater than 10000 litres. As with Figure 1, the comparison is done for each year between those residents with tanks larger than the nominated size, and those who at some future date install a tank larger than the nominated size.

Figure 2: Consumption Comparison for Tanks > 4500 Litres

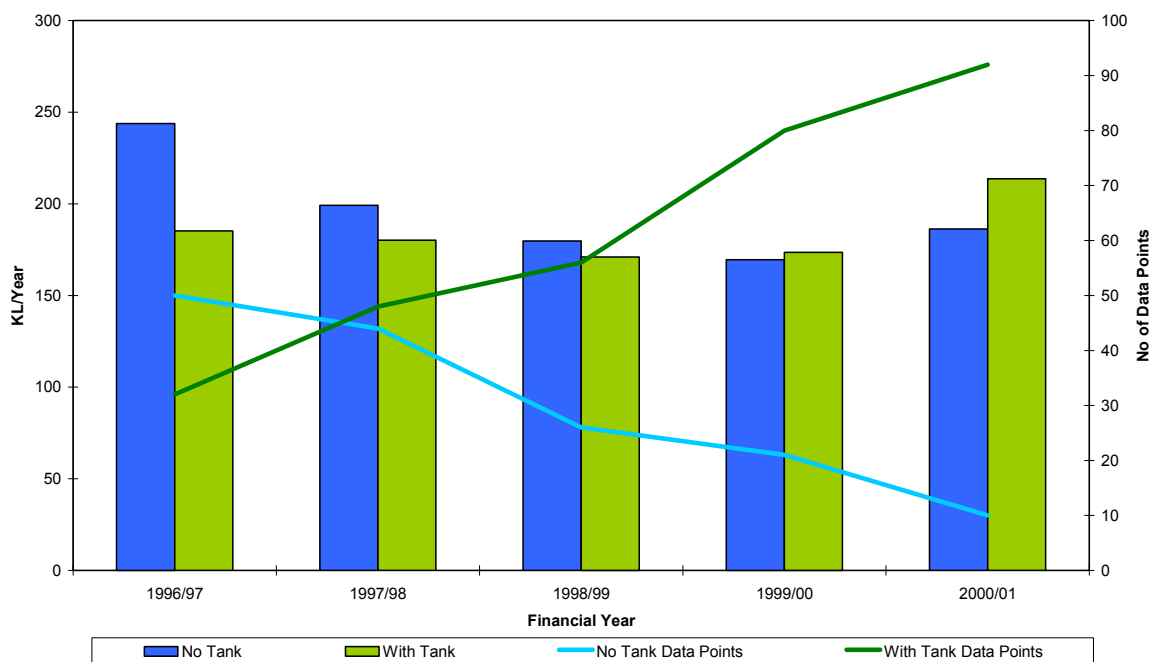
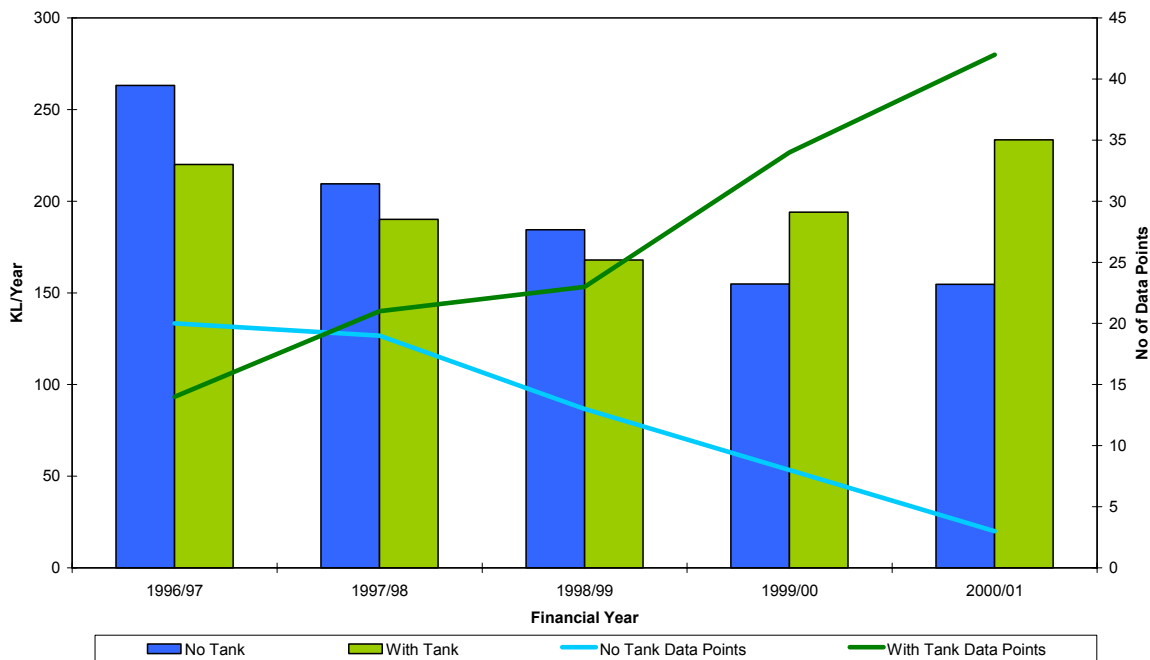


Figure 3: Consumption Comparison for Tanks > 10000 Litres



As with Figure 1, the results are still somewhat ambiguous. In the latter years, it still appears as though rainwater tanks have actually increased metered consumption. However, care should be taken with the interpretation of these results. There is perhaps too little consumption data for future 4500 L and 10000 L tank owners in the latter years – particularly 1999 onwards - to make a valid comparison. The earlier years (1996 – 1999), where the number of data points is roughly equal and where the comparison is perhaps more valid, are more suggestive of a reduction following the installation of a rainwater tank. The data from these years shows a marginal reduction in metered consumption for 4500L tanks, and a more significant reduction for the larger 10,000 L tanks.

4 Analysis Results – Water Quality

4.1 Rainwater Tank Quality

The ADWG state that the microbiological quality of drinking water should be tested against two indicator organisms; thermotolerant coliforms, or alternatively *E.coli* and total coliforms. To comply with the drinking water guidelines, no sample should contain any *E.coli* or coliform organisms.

In addition to the microbiological quality parameters, the ADWG also specify limits to a host of physical characteristics. Relevant to the samples collected from the rainwater tanks for this investigation is pH (6.5 – 8.5¹) and TDS (500 mg/L).

Ninety-two samples were collected from selected rainwater tanks installed as part of the rainwater tank rebate scheme. Of the 92 samples all were assessed for *E.coli*, total Coliforms and pH with TDS measured for 42 of the samples.

Sixty-seven of the 92 samples or 73% analysed for *E.coli* comply with the standards however only 11 of the 92 samples, or 12%, comply with the coliform standard. Furthermore whilst all of the samples complied with the TDS standard, only 39% met the pH requirement. Overall only 5 out of the 92 tanks sampled met the ADWG for the analysed parameters.

On this basis it would appear that the warning provided in the Rebate Eligibility Conditions regarding the unsuitability of rainwater tanks as a source of drinking water is warranted.

It is perhaps also worth comparing the measured rainwater tank quality with the recently released Draft Queensland Guidelines for the Safe Use of Recycled Water. These Guidelines cover the use of roof water harvested and stored in rainwater tanks in urban areas. In particular, the Draft Guidelines note that;

“Rainwater used for non-potable domestic purposes should always meet Class A standard, although a chlorine residual would only be required if microbiological contamination is likely. If this standard is not met for raw rainwater, disinfection will be required to achieve this standard.”

Class A Standard has a median microbiological requirement of not more than 10 thermotolerant coliforms (cfu’s) per 100 ml. Sampling results indicate 9 out of the 92 samples tested had thermotolerant *E.Coli* levels equal to or higher than this Class A Standard. Although individual test samples are not directly comparable with a median test requirement, the results do flag the possibility that without disinfection, some rainwater tanks may not be suitable for non-potable domestic use under the current Draft Guidelines.

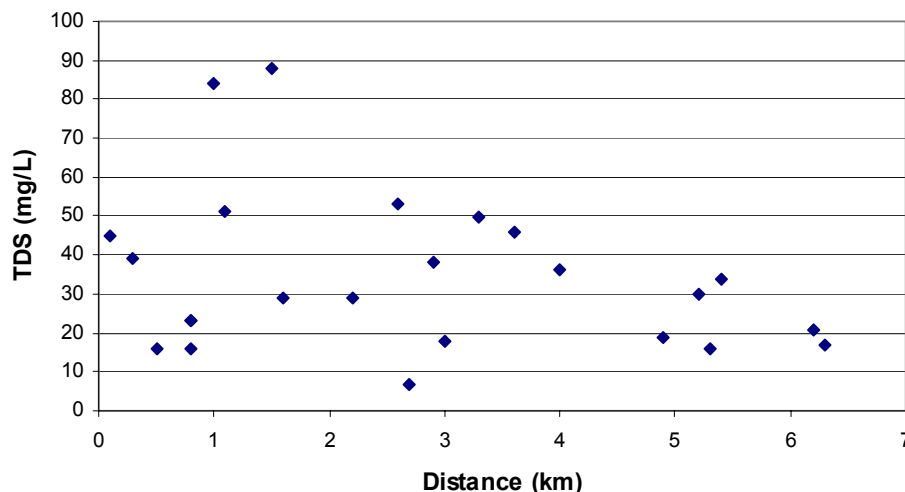
4.2 Distance from Coast vs. TDS

Given the proximity to the coast of a number of the rainwater tank installations, concerns were raised that salt spray may be adversely affecting the quality of water collected in these areas.

TDS analysis was undertaken on 42 rainwater tanks with the results from the tests plotted against the approximate distance from the coastline.

¹ Concrete tanks can significantly increase the pH and a value up to 9.2 may be tolerated provided there is no decrease in microbiological quality (relevant to chlorination)

Figure 4: Distance from Coast versus TDS



A qualitative analysis of the graph indicates that there is a possible weak negative correlation between distance from the coast and TDS. This is of little concern given the relatively low levels of TDS recorded.

4.3 Tank Material versus Water Quality

The influence of tank material on water quality was assessed to identify any relationships. Under the rebate scheme there is no specific requirement for the type of tank material to be used. Respondents have installed concrete (8%), fibreglass (10%), galvanised (36%) and polyethylene (40%) tanks, with the remaining 6% tank material types not listed.

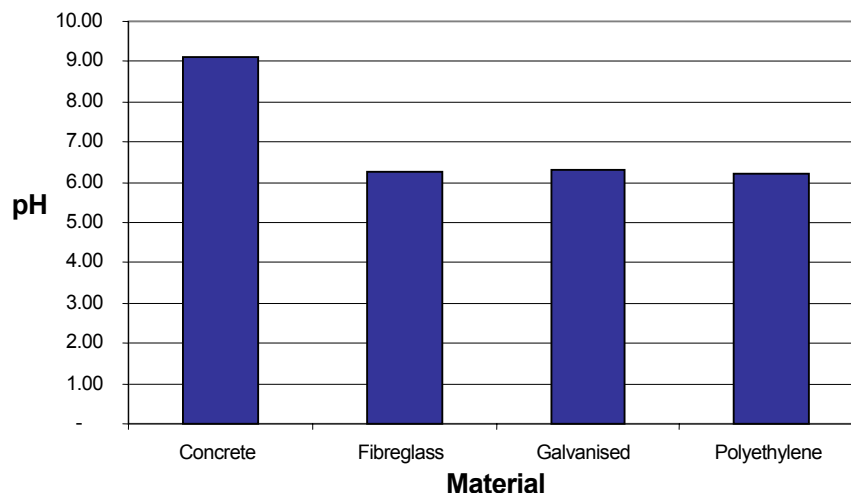
It was anticipated that there would be some relationship between tank material and pH, as it is known that concrete tanks are alkaline in nature. However the relationship between the other tank materials and the measured water quality parameters was checked.

ANOVA was used to test null hypothesis of no statistical difference between the water quality parameters measured and the tank material. The following was identified:

- pH Statistically significant difference
- Total Coliforms No difference
- E. coli No difference
- TDS No difference

When pH measurements were compared for each of the tank materials considered, it can be seen that the pH of the concrete tanks was higher than that of the remaining tanks, indicating an alkaline tendency. Whereas the fibreglass, galvanise and polyethylene tanks all recorded similar, relatively neutral pH levels.

Figure 5: Tank Material versus Average pH



As such it can be identified that a relationship does exist between pH and tank material, though only for concrete tanks. The water quality appears to be independent of the tank material for all other characteristics.

4.4 First Flush System versus Water Quality

It was assumed that the installation of a first flush system on the tank would minimise the level of potential contaminants entering the tank and deteriorating the quality of the water.

During the survey those tanks with a first flush device were noted. The water quality results obtained during the tank sampling were then compared between tanks with and without first flush devices.

Statistical analysis tested the null hypothesis that there was no difference between the quality of waters where a first flush device was installed and those where such a device was not installed. Analysis confirmed that there is no statistically significant difference between the parameters measured with or without first flush devices. The analysis identified:

- pH No difference
- Total Coliforms No difference
- E. coli No difference
- TDS No difference

It should be noted that sampling of waters was carried out during a sustained dry period, prior to the onsite of summer rains. The effectiveness, therefore, of a first flush device is difficult to verify. Although the first flush device does not appear to be making any difference in the microbiological quality of the water, this is only true for the status of the tank at the end of this dry period. A first flush device may well show some discernible impact on water quality if sampling were conducted in the immediate aftermath of a rainfall event.

4.5 Tank Inlet versus Water Quality

During the rainwater tank survey, the level of blockage of the inlet screen was noted. A percentage of 0, 25, 50, 75 or 100 per cent was applied to each tank. This was based on the surveyor's perception of the blockage.

Consideration of the relationship between blockage of the inlet screen and therefore the ability to screen water prior to entry of the tank and water quality was assessed.

Statistical analysis between the various parameters and the level of blockage identified that there was no statistically significant difference in water quality. As such it could be assumed that there is no relationship between the condition of the tank inlet/level of blockage and water quality.

4.6 Tank Condition versus Water Quality

Eleven of the 97 tanks surveyed were noted as exhibiting exterior deterioration. Of these eleven tanks, seven (64%) were galvanised tanks, 2 were concrete and the remaining 2 were fibreglass and polyethylene, respectively. The galvanised tanks exhibiting deterioration were noted as showing evidence of rusting. Other deterioration noted within the survey included cracks, leaks and flaking paintwork.

Statistical analysis of the parameters measured and deterioration of the tank, with a null hypothesis of "No Difference in Means" has identified that there is no relationship between deterioration of the tanks sampled and water quality.

4.7 Tank Condition versus Primary Owner

An assessment was undertaken to identify whether a change in ownership may influence the maintenance of the rainwater tanks installed and therefore the rate of deterioration of the tank.

Respondents to the rainwater tank rebate scheme survey were asked whether they were the initial owner of the tank or whether a previous owner had installed the tank. Of the 97 tanks surveyed, only 5 had been installed by a previous owner.

Of the 97 tanks surveyed, eleven (11%) showed signs of deterioration. Only 1 of these tanks had been installed by a previous owner. From this information it could be assumed that there is no relationship between deterioration and tank owner.

Additional statistical analysis was not undertaken due to the limited number of observations.

5 Analysis Results – Owners’ Perceptions

The objectives of this part of the analysis were as follows;

- Compare perceived water quality versus measured water quality
- Identify reasons for installing tank and the significance of the Rebate Scheme in the decision
- Identify end use of rainwater
- Check level of satisfaction by tank owners

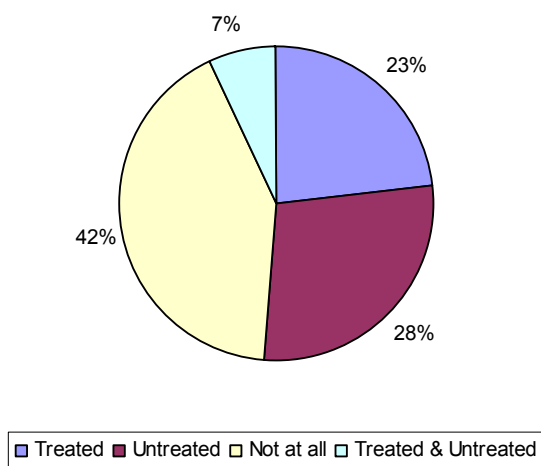
5.1 Perceptions of Rainwater Tank Quality

Despite the requirements outlined in the application for the rebate that rainwater tanks be used for outdoor purposes only, it has long been suspected that a large number of the residents claiming the rebate were using the water for drinking purposes.

Part of the rainwater tank survey distributed to the residents focused on the uses of the water from the tank and their perceptions of the safety of treated and untreated water used from a rainwater tank.

As indicated in Figure 6 below, 58% of the survey respondents used the rainwater tank for drinking water in the home, either treated in some manner such as filtration - or untreated, or both.

Figure 6: Drinking Water Use



When asked whether or not they were satisfied with the level of water quality provided by their rainwater tank, the overwhelming majority of respondents, approximately 90%, indicated that they were satisfied.

It is of interest that the majority of tank owners believe tank water is safe to drink, despite warnings to the contrary made in the rebate application process.

The fact that most rainwater tanks are used for drinking purposes may help explain why such tanks appear to have little impact on metered consumption. Rainwater tanks need to be fully utilised, i.e. regularly drawn down, if the full potential of their available yield is to be realised. However, residents who utilise rainwater as their potable source are perhaps more inclined to hoard their supply to carry them through dry periods.

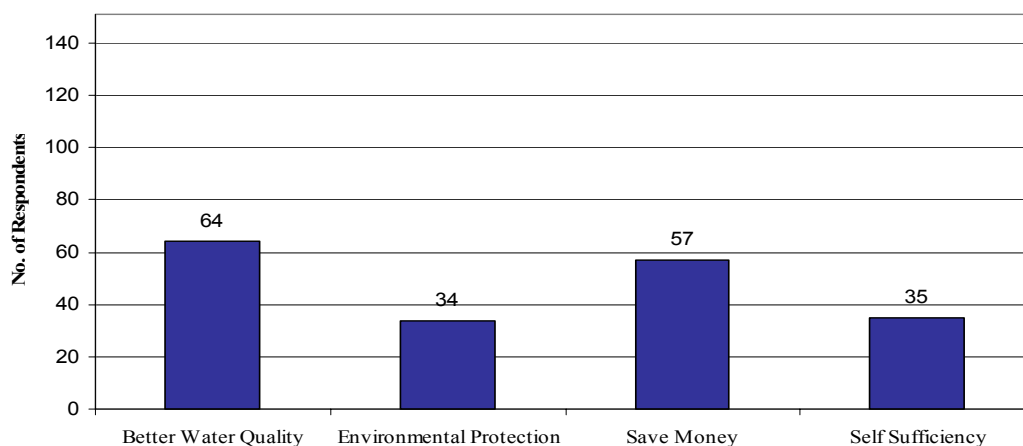
5.2 Reason for Installing Tank

The survey questionnaire asked residents why they installed a rainwater tank and provided a list of possible answers, including;

- Better Water Quality
- Environmental Protection
- Save Money
- Self – Sufficiency

Most residents indicated a combination of the reasons above. A breakdown of the number of responses for each is given below;

Figure 7 Reasons for Installing Rainwater Tank



It appears the more important factors influencing decisions to install rainwater tanks are perceptions of improved water quality and the potential to save money.

The questionnaire went on to ask residents;

- Are you satisfied with water quality? - to which 90% responded “Yes”
- Have you noticed a change in consumption? – to which 70% responded “No”

It is interesting to note that – in general - respondents are well satisfied with the water quality they receive from rainwater tanks. However, in relation to potential savings in metered consumption and costs, 70% have not been able to detect any decrease in consumption. This failure to detect any reduction supports the analysis findings of metered consumption made in Section 3 above.

Despite the fact that most residents have not noticed any reduction in consumption, a majority - approximately 84% - indicated they believed the rainwater tank was a worthwhile investment.

5.3 Significance of Rebate Scheme

The survey questionnaire asked residents to indicate how the rebate provided by Maroochy Shire Council influenced their decision to purchase a rainwater tank. The following responses were provided;

Options	Responses
<input type="checkbox"/> I would not have purchased a tank without the rebate	5%
<input type="checkbox"/> The rebate allowed me to purchase a larger tank	16.5%
<input type="checkbox"/> The rebate motivated me to buy the tank	22.5%
<input type="checkbox"/> I would have installed a rainwater tank without the rebate	56%

For almost half the respondents, the rebate scheme was a factor in their decision to install a rainwater tank.

In relation to the value of the rebate, the questionnaire asked what rebate ought to be offered to other residents to encourage greater uptake of rainwater tanks? The following responses were provided;

Options	Responses
% of the total cost of the rainwater tank:	
<input type="checkbox"/> 0% (No Rebate)	5%
<input type="checkbox"/> 10%	30%
<input type="checkbox"/> 25%	39%
<input type="checkbox"/> 50%	26%

Of most interest is the fact that respondents tended to favour a moderate rebate scheme in the order of 10% – 25%.

5.4 End use of Rainwater

The survey questionnaire asked residents to detail how tank water was used. Residents were asked to provide details on both internal and external uses.

Six of the 172 respondents who completed or partially completed the survey questionnaire indicated that they do not use their tanks at all. Note that this probably understates the percentage of non-using residents, since there is presumably a higher proportion of non-users amongst the remaining 144 residents who failed to complete the questionnaire.

Of the 160 respondents who completed the section of the questionnaire detailing tank water use, 63 use rainwater exclusively for internal use, i.e. drinking, cooking etc, with 41 respondents indicating exclusively external use, i.e. garden watering, car washing, etc. A further 45 respondents use rainwater for both internal and external uses.

Figure 8 presents the number of respondents who use rainwater for particular internal uses. Figure 9 presents a breakdown of external use.

Figure 8- Internal Use by Number of Respondents

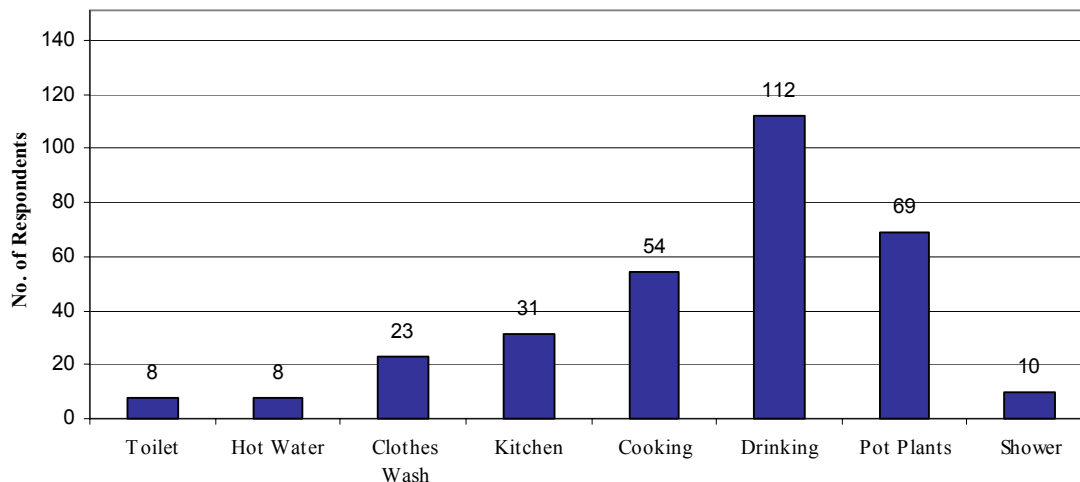
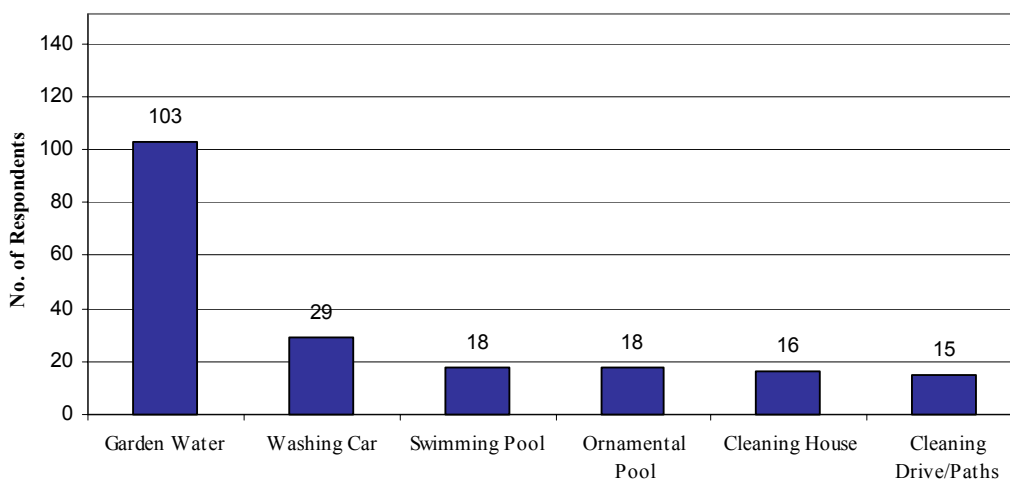


Figure 9 – External Use by Number of Respondents



The above figures suggest that rainwater tanks are predominately used for drinking and garden watering.

5.5 Level of satisfaction by tank owners

The survey questionnaire included a series of questions aimed at gauging the level of satisfaction by tank owners. These questions and their results are summarised below,

Are you satisfied with the quality of the water from your tank?

Options	Responses
<input type="checkbox"/> Yes	90%
<input type="checkbox"/> No	10%

Are you satisfied with the size of your rainwater tank?

Options	Responses
<input type="checkbox"/> Yes	65%
<input type="checkbox"/> No	35%

Have the outcomes you expected to achieve through installation of a rainwater tank been met?

Options	Responses
<input type="checkbox"/> Yes	82%
<input type="checkbox"/> No	18%

Having now owned and operated a rainwater tank, was it a worthwhile investment?

Options	Responses
<input type="checkbox"/> Yes	84%
<input type="checkbox"/> No	16%

Overall, 84% of residents are happy with their investment in a rainwater tank. However, given that the sample group comprises people who wanted and initiated the installation of a rainwater tank, the level of dissatisfaction – about 1 in 6 - is perhaps significant.

It is also worth noting that approximately 35% of residents are dissatisfied with the size of their tank. When queried further, almost all these residents indicated that they would prefer a larger tank.

6 Conclusions

The review of Maroochy Water Services Rainwater Tank Rebate Scheme has identified a number of key issues that need to be considered in any assessment of the rebate scheme. These are summarised below.

Consumption

Overall, the evidence at hand indicates no significant reduction in metered demand arising from the installation of rainwater tanks under the current rebate scheme. There is some evidence that larger tanks, 4500 L and greater, do provide a marginal reduction in metered consumption.

The lack of any clear unambiguous reduction in consumption arising from the rebate scheme is somewhat surprising. However, care should be taken with these results. A close review of the individual property data shows many instances where consumptions rise dramatically following the installation of a rainwater tank. There are a number of possible explanations for this. Tanks may be installed as part of process whereby a holiday home becomes a permanent residence; new owners with much higher water usage requirements purchase the property and install a tank; current property owners install a tank as part of renovation involving landscaping and irrigation which ultimately results in an increase to their metered consumption, etc. Although similar circumstances can be envisaged that also lead to a dramatic reduction in demand following a rainwater tank installation, it is difficult to determine whether or not within the data set available, the affect of these differing circumstances negate one another. Any asymmetry in the number and impact of these differing circumstances will tend to skew the data.

Leaving aside uncertainties with the data, it is questionable whether or not many of the rainwater tanks installed under the current rebate scheme are sufficiently sized to achieve a significant yield. Furthermore, it is also unlikely that many of the tanks are being used in a manner that would result in a measurable reduction in metered consumption. Tanks need to be drawn down as much as possible to achieve the full potential of their available yield. Survey results suggest about 60% of tank owners utilise rainwater for potable supply. These consumers are perhaps less inclined to frequently empty their tanks for garden watering and other high demand non-potable purposes.

Under the present rebate scheme, residents are free to determine the size of their tank and the purposes for which it is used. There is no particular inducement to encourage residents to connect tank supply to high demand non-potable uses which would better utilise the yield available.

If the ultimate intention is that rainwater tanks should lead to a reduction in metered consumption, requirements governing the size of the tank and its connection to high demand non-potable uses may need to be mandatory.

Water Quality

Approximately 95% of the tanks sampled failed to meet the Australian Drinking Water Guidelines with respect to microbiological quality. The warnings given to rebate applicants by MWS in relation to the use of rainwater for drinking purposes are therefore considered appropriate.

Approximately 10% of tanks sampled had an E.coli count higher than the Class A Standard required under the recently released Draft Queensland Guidelines for the Safe Use of Recycled Water. This suggests the possibility that without disinfection, some rainwater tanks may not be suitable for non-potable domestic use.

The evidence at hand indicates that first flush devices, inlet screens and routine maintenance have little impact on water quality.

A weak correlation exists between distance from the coast and the level of TDS present in tank water. The result is of little significance since TDS levels, even close to the coast, were all well below drinking water limits.

Owners Perceptions and Usage

At present, the two major reasons why residents install rainwater tanks appear to be;

- Improved water quality
- Saving money.

In terms of water quality, tank users are well satisfied and believe their tank water is suitable for drinking. This is despite warnings to the contrary issued during the rebate application process. However, in relation to potential savings, most rainwater tank users (70%) have been unable to notice any impact on their metered consumption.

Almost half the respondents indicated that the current rebate scheme influenced their decision in relation to rainwater tanks, either as a motivation to proceed or to increase the size of the tank. Most respondents thought the scheme should involve a rebate in the 10% – 25% range.

The predominate uses of rainwater are for drinking and garden watering.

Overall, 84% of residents are happy with their investment in a rainwater tank. However, given that the sample group comprises people who wanted and initiated the installation of a rainwater tank, the level of dissatisfaction – about 1 in 6 - is perhaps significant.

It is also worth noting that approximately 35% of residents are dissatisfied with the size of their tank. When queried further, almost all these residents indicated that they would prefer a larger tank.

7 Acknowledgements

Maroochy Water Services (MWS) gratefully acknowledge the financial assistance and support provided by the Queensland Environmental Protection Agency (EPA) towards this investigation. MWS would also like to thank those residents who co-operated with this investigation by completing survey questionnaires and making their tanks available for inspection and testing.



APPENDIX A

Rainwater Tank Rebate Application Form and Eligibility Conditions

RAINWATER TANK REBATE APPLICATION FORM



THIS IS A LIMITED OFFER

Details of the offer . . .

Maroochy Shire Council will pay a rebate as follows to a **limited number of residents** in the Shire's reticulated water areas who install a rainwater tank on their premises **IN THE CURRENT FINANCIAL YEAR.**

To apply for your rebate, fill in the details below and return this form *along with a receipt from the store of purchase* to:

The WaterWise Coordinator – PO Box 658 Maroochydore Qld 4558 or deliver to Maroochy Water Services 11-13 Ocean Street, Maroochydore.

TANK SIZE:	99-999L	1,000-2,499L	2,500-4,499L	4,500-9,999L	10,000L +
REBATE:	\$20.00	\$40.00	\$80.00	\$175.00	\$250.00

Surname and initials: Mr/Mrs/Ms _____

Street Name and Number: _____ Suburb: _____ Postcode: _____ Telephone: _____

Property No. as listed on Rates Notice: _____

Details of rainwater tank purchased....

Size: _____ Purchase Price: _____ Store of Purchase: _____ Date of Purchase: _____

I heard about the Rainwater Tank Rebate Program from: (please circle)

- | | | | |
|----------------------------|-------------------|--------------------------------------|-----------------|
| ◆ Brochure in Rates Notice | ◆ Newspapers | ◆ Local Store | ◆ Local Plumber |
| ◆ Television | ◆ Community Group | ◆ Water Conservation Rebate Bulletin | ◆ Word of Mouth |

Are you considering installing any other water efficient products? Yes No If yes what type? _____

In applying for this rebate, I hereby give approval for Council Officers to inspect the installation of the rainwater tank at my home to ensure that it has been installed correctly.

☞ PLEASE SEE REVERSE FOR ELIGIBILITY CONDITIONS

Applicant's Signature

For more information, please contact the WaterWise Coordinator on 5475 8705

RAINWATER TANK REBATE ELIGIBILITY CONDITIONS



1. The scheme is open to people living in a new or existing residence which is part of the reticulated water system of Maroochy Shire Council.
2. Rainwater tanks should only be used for outdoor purposes and shall not be cross connected with the reticulated water system. (Untreated rainwater tanks should not be used as a drinking water source because of potential water quality problems due to atmospheric pollution, bird and possum droppings, roofing materials and paints, trapped insects and small animals, leaves and dust and inconsistent owner operation and maintenance.)
3. Rebates are only payable on tanks purchased and installed in the current financial year.
4. This offer is strictly limited. Once the designated number of rebates for the current financial year have been issued, there will be no more rebates. The program MAY continue into the following financial year.

NOTE:

ALL participants in the Rainwater Tank Rebate Program will have their installation inspected by Council plumbing staff to ensure correct installation of the tank and to confirm NO cross connection with the reticulated water system occurs.

Water . . . more precious than gold! Make the effort. Conserve water now!



Appendix B

Customer Survey and Field Inspection Report

- For 'Yes / No' answers, please circle your answer.
- For selections with boxed answers () please *tick* the appropriate boxes.
You may have more than one response to a question.
- For written answers, please try to respond as clearly and briefly as possible.

1. Our records indicate that you have a rainwater tank obtained under the Maroochy Water Services' rebate scheme.

Is this tank still operational? **Yes / No**

If **No**, why is tank no longer operating?

- Inconvenience
- Loss of interest
- Faulty tank
- Other reason (specify) _____

*If you answered **No** to question 1 stop here, as you are not required to complete the remainder of the survey. Thankyou.

2. Did a previous owner install the tank? **Yes / No**

If **Yes**, go to question 7.

If **No**, why did you install the tank?

- Better water quality
 - Environmental protection
 - To save money (on water bills)
 - To obtain self sufficiency
 - Other (please specify)
- _____
- _____

3. Have the outcomes you expected to achieve through installation of a rainwater tank been met? **Yes / No**

4. How did the rebate provided by Maroochy Shire Council influence your decision to purchase a rainwater tank?

- I would not have purchased a tank without the rebate
- The rebate allowed me to purchase a larger tank
- The rebate motivated me to buy the tank
- I would have installed a rainwater tank without the rebate

5. What rebate do you think ought to be offered to other residents to encourage greater uptake of rainwater tanks?

% of the total cost of the rainwater tank:

- 0% (No Rebate)
- 10%
- 25%
- 50%

6. Have you noticed a change in your metered water usage since installing and using the rainwater tank?

Yes / No / Do not know

If **Yes**, has it: -

- Increased
- Decreased

By approximately how much? _____ % or _____ kL/ 6 months
(either % or kL is acceptable)

7. Having now owned and operated a rainwater tank, was it a worthwhile investment? **Yes / No**

If **Yes**, main benefit was

- Environmental protection
- Better water quality
- Reduced expenses
- Other (specify) _____

If **No**, main concern was

- Inconvenience
- Cost
- Poor water quality
- Other (specify) _____

8. Are you satisfied with the size of your rainwater tank? **Yes / No**

If **No**, would you rather it be:

- Smaller
- Larger

Preferred size: _____ L (or _____ Gallons)
(please provide volume)

9. What do you use tank water for inside the house?

- | | |
|--|--|
| <input type="checkbox"/> Nothing | <input type="checkbox"/> Drinking- treated
(including boiled) |
| <input type="checkbox"/> Toilet flushing | <input type="checkbox"/> Drinking- untreated |
| <input type="checkbox"/> Hot water | <input type="checkbox"/> Watering plants |
| <input type="checkbox"/> Clothes washing | <input type="checkbox"/> Showering |
| <input type="checkbox"/> General kitchen use | |
| <input type="checkbox"/> Cooking | |
| <input type="checkbox"/> Other (specify) _____ | |

10. What do you use tank water for outside the house?

- Nothing
- Watering gardens/lawn
- Washing car
- Filling swimming pool
- Other (*specify*) _____
- Filling ornamental ponds
- Cleaning house exteriors
- Cleaning Driveways/Paths

11. What water treatment techniques do you use?

- None
- Filtration
- UV treatment
- Boiling
- Other (*specify*) _____

12. Do you think untreated water from your rainwater tank water is safe to drink? **Yes / No**

13. Do you think treated water from your rainwater tank water is safe to drink? **Yes / No**

14. Are you satisfied with the quality of the water from your tank?
 Yes / No

15. Have you ever had your tank repaired? **Yes / No**

If **Yes**, what was the nature of the repair?

16. Do you have a 'first flush' diversion device installed?
 Yes / No / Do not know

If **No**, go to Question 18.

17. How often is this device maintained? _____

- Never
- 1 time/year
- 2 times/year
- When there is rain
- Other frequency (*specify*) _____

18. What other devices do you have installed?

- None (Go to Question 20)
- Tank Inlet Screen
- Pump
- Leaf/Gutter Guard
- Leaf Catcher/Diverter

19. How often do you maintain the device?

Tank Inlet Screen:

- Never
- Once every 5 years
- Once every 2 years
- 1 time/year
- 2 times/year
- More often than 2 times/year
- Other frequency (*specify*) _____

Leaf/Gutter Guard:

- Never
- Once every 5 years
- Once every 2 years
- 1 time/year
- 2 times/year
- More often than 2 times/year
- Other frequency (*specify*) _____

Leaf Catcher/Diverter:

- Never
- Once every 5 years
- Once every 2 years
- 1 time/year
- 2 times/year
- More often than 2 times/year
- Other frequency (*specify*) _____

20. How often do you clean your gutters?

- Never
- Once every 5 years
- Once every 2 years
- 1 time/year
- 2 times/year
- More often than 2 times/year
- Other frequency (*specify*) _____

21. How often do you clean your tank?

- Never
- Once every 5 years
- Once every 2 years
- 1 time/year
- 2 times/year
- More often than 2 times/year
- Other frequency (*specify*) _____

Thank you for your time, your participation is greatly appreciated.

-Rainwater Tank Field Results-

Date of Visit: ___/___/___

*Property No: _____

*Owner Name: _____

*Tank Size: _____

*Tank Age: _____

Tank Material: **Galvanised, Concrete, Polyethylene, Fibreglass.**

Does the tank show signs of deterioration? **Yes / No**

What signs does it exhibit?

- Cracks
- Leaks
- Holes
- Repairs

Comments:

What condition is the guttering in? **Poor/Satisfactory/Good**

Comments:

Evidence of staining: _____

Are there overhanging trees/shrubs? **Yes / No**

Extent: _____

What is the extent of any accumulation of leaf litter in and around the guttering?

- Gutters are completely clean and free of litter.
- Some leaf litter present but generally well maintained.
- Gutters have a substantial amount of leaf litter present.
- Gutters are completely blocked by leaf litter.

Comments:

Inlet screen % blocked: **0% 25% 50% 75% 100%**

Estimated catchment area: _____ m²

Tank capacity filled

10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

Is there a first flush device? **Yes / No**

What condition is it in?

- Well maintained
- Partial accumulation in catchment
- Considerable accumulation in catchment

Comments:

What other components are noticeable?

- Filters
- Pump
- Connected to town water
- Leaf/Gutter Guard
- Leaf Catchment

Condition of components

1. _____ **Poor/Good/Excellent** Comment: _____
2. _____ **Poor/Good/Excellent** Comment: _____
3. _____ **Poor/Good/Excellent** Comment: _____
4. _____ **Poor/Good/Excellent** Comment: _____
5. _____ **Poor/Good/Excellent** Comment: _____

Condition of mosquito proofing

- Absent
- Significant areas with mosquito proofing material absent
- A few minor tears and/or holes
- Optimal condition

Comments:

Observation of the Water Sample

Sample colour: _____

Presence and extent of sediment: **Y / N** _____

Odour: _____

Mosquito Larvae: **Yes / No**

Further Comments:

Sample number: _____
No. samples taken: _____
Time sample was taken: _____
Time of delivery to laboratory: _____

Revisit



Appendix C

Metered Consumption Data

**Maroochy Water Services
Rainwater Tank Review
Water Consumption Data**

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
96	1999	350	1994	222
96	1999	350	1995	177
96	1999	350	1996	166
96	1999	350	1997	170
96	1999	350	1998	173
96	1999	350	1999	163
96	1999	350	2000	217
96	1999	350	2001	200
96	1999	350	2002	179
96	1999	350	2003	200
637	1996	450	1994	578
637	1996	450	1995	628
637	1996	450	1996	530
637	1996	450	1997	500
637	1996	450	1998	730
637	1996	450	1999	709
637	1996	450	2000	674
637	1996	450	2001	496
637	1996	450	2002	572
637	1996	450	2003	535
747	1999	200	1994	201
747	1999	200	1995	285
747	1999	200	1996	241
747	1999	200	1997	358
747	1999	200	1998	269
747	1999	200	1999	261
747	1999	200	2000	244
747	1999	200	2001	352
747	1999	200	2002	334
747	1999	200	2003	314
2465	1997	1137.5	1994	75
2465	1997	1137.5	1995	93
2465	1997	1137.5	1996	138
2465	1997	1137.5	1997	352
2465	1997	1137.5	1998	340
2465	1997	1137.5	1999	416
2465	1997	1137.5	2000	531
2465	1997	1137.5	2001	482
2465	1997	1137.5	2002	371
2465	1997	1137.5	2003	529
2468	1996	5900	1994	145
2468	1996	5900	1995	215
2468	1996	5900	1996	180
2468	1996	5900	1997	178
2468	1996	5900	1998	136
2468	1996	5900	1999	135
2468	1996	5900	2000	120
2468	1996	5900	2001	119

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
2468	1996	5900	2002	230
2468	1996	5900	2003	9
2476	1997	560	1994	160
2476	1997	560	1995	192
2476	1997	560	1996	196
2476	1997	560	1997	232
2476	1997	560	1998	215
2476	1997	560	1999	213
2476	1997	560	2000	190
2476	1997	560	2001	214
2476	1997	560	2002	260
2476	1997	560	2003	229
2989	1996	728	1994	507
2989	1996	728	1995	213
2989	1996	728	1996	180
2989	1996	728	1997	192
2989	1996	728	1998	197
2989	1996	728	1999	170
2989	1996	728	2000	172
2989	1996	728	2001	208
2989	1996	728	2002	297
2989	1996	728	2003	168
3377	1997	454	1994	105
3377	1997	454	1995	379
3377	1997	454	1996	313
3377	1997	454	1997	294
3377	1997	454	1998	273
3377	1997	454	1999	257
3377	1997	454	2000	268
3377	1997	454	2001	275
3377	1997	454	2002	242
3377	1997	454	2003	89
3423	1998	2276	1994	387
3423	1998	2276	1995	332
3423	1998	2276	1996	487
3423	1998	2276	1997	345
3423	1998	2276	1998	226
3423	1998	2276	1999	136
3423	1998	2276	2000	137
3423	1998	2276	2001	140
3423	1998	2276	2002	212
3423	1998	2276	2003	180
3895	1997	445	1994	51
3895	1997	445	1995	183
3895	1997	445	1996	153
3895	1997	445	1997	164
3895	1997	445	1998	124
3895	1997	445	1999	215
3895	1997	445	2000	504
3895	1997	445	2001	457
3895	1997	445	2002	300
3895	1997	445	2003	150
3967	1996	2273	1994	126
3967	1996	2273	1995	189

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
3967	1996	2273	1996	129
3967	1996	2273	1997	126
3967	1996	2273	1998	150
3967	1996	2273	1999	130
3967	1996	2273	2000	141
3967	1996	2273	2001	203
3967	1996	2273	2002	216
3967	1996	2273	2003	182
4237	1999	727	1994	137
4237	1999	727	1995	204
4237	1999	727	1996	325
4237	1999	727	1997	318
4237	1999	727	1998	196
4237	1999	727	1999	107
4237	1999	727	2000	105
4237	1999	727	2001	176
4237	1999	727	2002	308
4237	1999	727	2003	285
4369	1996	4500	1994	70
4369	1996	4500	1995	138
4369	1996	4500	1996	183
4369	1996	4500	1997	122
4369	1996	4500	1998	108
4369	1996	4500	1999	135
4369	1996	4500	2000	126
4369	1996	4500	2001	148
4369	1996	4500	2002	176
4369	1996	4500	2003	199
4690	1998	5900	1994	134
4690	1998	5900	1995	170
4690	1998	5900	1996	171
4690	1998	5900	1997	101
4690	1998	5900	1998	19
4690	1998	5900	1999	1
4690	1998	5900	2000	1
4690	1998	5900	2001	169
4690	1998	5900	2002	290
4690	1998	5900	2003	339
5332	1999	3178	1994	392
5332	1999	3178	1995	286
5332	1999	3178	1996	241
5332	1999	3178	1997	282
5332	1999	3178	1998	297
5332	1999	3178	1999	255
5332	1999	3178	2000	227
5332	1999	3178	2001	266
5332	1999	3178	2002	163
5332	1999	3178	2003	250
5412	1996	5850	1994	230
5412	1996	5850	1995	330
5412	1996	5850	1996	211
5412	1996	5850	1997	192
5412	1996	5850	1998	174
5412	1996	5850	1999	161
5412	1996	5850	2000	163

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
5412	1996	5850	2001	193
5412	1996	5850	2002	303
5412	1996	5850	2003	133
5566	1996	4600	1994	155
5566	1996	4600	1995	200
5566	1996	4600	1996	145
5566	1996	4600	1997	122
5566	1996	4600	1998	82
5566	1996	4600	1999	107
5566	1996	4600	2000	110
5566	1996	4600	2001	126
5566	1996	4600	2002	124
5566	1996	4600	2003	143
5601	2001	550	1994	94
5601	2001	550	1995	145
5601	2001	550	1996	120
5601	2001	550	1997	92
5601	2001	550	1998	148
5601	2001	550	1999	86
5601	2001	550	2000	84
5601	2001	550	2001	129
5601	2001	550	2002	160
5601	2001	550	2003	172
5742	2002	682	1994	110
5742	2002	682	1995	130
5742	2002	682	1996	72
5742	2002	682	1997	74
5742	2002	682	1998	132
5742	2002	682	1999	137
5742	2002	682	2000	133
5742	2002	682	2001	197
5742	2002	682	2002	203
5742	2002	682	2003	185
5844	1997	2200	1994	236
5844	1997	2200	1995	425
5844	1997	2200	1996	316
5844	1997	2200	1997	328
5844	1997	2200	1998	277
5844	1997	2200	1999	258
5844	1997	2200	2000	326
5844	1997	2200	2001	571
5844	1997	2200	2002	492
5844	1997	2200	2003	333
5864	1996	13000	1995	43
5864	1996	13000	1996	360
5864	1996	13000	1997	379
5864	1996	13000	1998	245
5864	1996	13000	1999	275
5864	1996	13000	2000	234
5864	1996	13000	2001	300
5864	1996	13000	2002	351
5864	1996	13000	2003	329
5935	1996	10000	1994	87
5935	1996	10000	1995	52
5935	1996	10000	1996	51

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
5935	1996	10000	1997	43
5935	1996	10000	1998	44
5935	1996	10000	1999	43
5935	1996	10000	2000	44
5935	1996	10000	2001	49
5935	1996	10000	2002	56
5935	1996	10000	2003	54
5960	1996	4546	1996	12
5960	1996	4546	1997	117
5960	1996	4546	1998	125
5960	1996	4546	1999	157
5960	1996	4546	2000	108
5960	1996	4546	2001	82
5960	1996	4546	2002	91
5960	1996	4546	2003	108
6123	1999	2500	1994	123
6123	1999	2500	1995	285
6123	1999	2500	1996	226
6123	1999	2500	1997	176
6123	1999	2500	1998	81
6123	1999	2500	1999	77
6123	1999	2500	2000	68
6123	1999	2500	2001	125
6123	1999	2500	2002	189
6123	1999	2500	2003	142
6289	1998	2500	1994	103
6289	1998	2500	1995	149
6289	1998	2500	1996	725
6289	1998	2500	1997	378
6289	1998	2500	1998	490
6289	1998	2500	1999	518
6289	1998	2500	2000	410
6289	1998	2500	2001	459
6289	1998	2500	2002	651
6289	1998	2500	2003	627
6519	1996	2273	1994	198
6519	1996	2273	1995	313
6519	1996	2273	1996	248
6519	1996	2273	1997	277
6519	1996	2273	1998	233
6519	1996	2273	1999	546
6519	1996	2273	2000	213
6519	1996	2273	2001	235
6519	1996	2273	2002	259
6519	1996	2273	2003	202
6623	1997	34125	1994	181
6623	1997	34125	1995	240
6623	1997	34125	1996	326
6623	1997	34125	1997	325
6623	1997	34125	1998	187
6623	1997	34125	1999	141
6623	1997	34125	2000	107
6623	1997	34125	2001	136
6623	1997	34125	2002	143
6623	1997	34125	2003	137

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
6652	1996	550	1994	107
6652	1996	550	1995	95
6652	1996	550	1996	91
6652	1996	550	1997	109
6652	1996	550	1998	140
6652	1996	550	1999	155
6652	1996	550	2000	149
6652	1996	550	2001	157
6652	1996	550	2002	172
6652	1996	550	2003	217
6764	2000	22500	1994	340
6764	2000	22500	1995	245
6764	2000	22500	1996	190
6764	2000	22500	1997	44
6764	2000	22500	1998	54
6764	2000	22500	1999	108
6764	2000	22500	2000	50
6764	2000	22500	2001	19
6764	2000	22500	2002	3
6764	2000	22500	2003	6
7078	2000	1300	1994	277
7078	2000	1300	1995	346
7078	2000	1300	1996	315
7078	2000	1300	1997	283
7078	2000	1300	1998	297
7078	2000	1300	1999	285
7078	2000	1300	2000	212
7078	2000	1300	2001	274
7078	2000	1300	2002	463
7078	2000	1300	2003	455
7435	1996	2270	1994	124
7435	1996	2270	1995	138
7435	1996	2270	1996	193
7435	1996	2270	1997	209
7435	1996	2270	1998	232
7435	1996	2270	1999	228
7435	1996	2270	2000	214
7435	1996	2270	2001	186
7435	1996	2270	2002	198
7435	1996	2270	2003	134
7446	1996	6840	1994	179
7446	1996	6840	1995	201
7446	1996	6840	1996	153
7446	1996	6840	1997	144
7446	1996	6840	1998	157
7446	1996	6840	1999	165
7446	1996	6840	2000	151
7446	1996	6840	2001	161
7446	1996	6840	2002	181
7446	1996	6840	2003	162
7447	1996	5900	1994	131
7447	1996	5900	1995	187
7447	1996	5900	1996	152
7447	1996	5900	1997	133
7447	1996	5900	1998	165

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
7447	1996	5900	1999	127
7447	1996	5900	2000	107
7447	1996	5900	2001	230
7447	1996	5900	2002	227
7447	1996	5900	2003	180
7463	1996	7000	1994	255
7463	1996	7000	1995	152
7463	1996	7000	1996	209
7463	1996	7000	1997	167
7463	1996	7000	1998	90
7463	1996	7000	1999	101
7463	1996	7000	2000	114
7463	1996	7000	2001	151
7463	1996	7000	2002	298
7463	1996	7000	2003	150
7595	1999	200	1994	163
7595	1999	200	1995	260
7595	1999	200	1996	239
7595	1999	200	1997	263
7595	1999	200	1998	262
7595	1999	200	1999	221
7595	1999	200	2000	145
7595	1999	200	2001	405
7595	1999	200	2002	347
7595	1999	200	2003	283
7818	1999	2700	1994	172
7818	1999	2700	1995	161
7818	1999	2700	1996	133
7818	1999	2700	1997	165
7818	1999	2700	1998	145
7818	1999	2700	1999	216
7818	1999	2700	2000	99
7818	1999	2700	2001	206
7818	1999	2700	2002	136
7818	1999	2700	2003	152
7913	1999	25000	1994	0
7913	1999	25000	1995	334
7913	1999	25000	1996	470
7913	1999	25000	1997	747
7913	1999	25000	1998	838
7913	1999	25000	1999	483
7913	1999	25000	2000	352
7913	1999	25000	2001	422
7913	1999	25000	2002	599
7913	1999	25000	2003	560
7965	1997	1100	1994	349
7965	1997	1100	1995	336
7965	1997	1100	1996	471
7965	1997	1100	1997	668
7965	1997	1100	1998	691
7965	1997	1100	1999	842
7965	1997	1100	2000	251
7965	1997	1100	2001	216
7965	1997	1100	2002	135
7965	1997	1100	2003	115

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
8071	1997	4500	1994	134
8071	1997	4500	1995	192
8071	1997	4500	1996	150
8071	1997	4500	1997	179
8071	1997	4500	1998	204
8071	1997	4500	1999	156
8071	1997	4500	2000	173
8071	1997	4500	2001	254
8071	1997	4500	2002	269
8071	1997	4500	2003	206
8233	1996	900	1994	79
8233	1996	900	1995	122
8233	1996	900	1996	103
8233	1996	900	1997	110
8233	1996	900	1998	75
8233	1996	900	1999	105
8233	1996	900	2000	195
8233	1996	900	2001	334
8233	1996	900	2002	251
8233	1996	900	2003	513
8277	1999	454	1994	49
8277	1999	454	1995	68
8277	1999	454	1996	71
8277	1999	454	1997	76
8277	1999	454	1998	50
8277	1999	454	1999	46
8277	1999	454	2000	37
8277	1999	454	2001	189
8277	1999	454	2002	293
8277	1999	454	2003	209
8474	1996	2950	1997	442
8474	1996	2950	1998	458
8474	1996	2950	1999	377
8474	1996	2950	2000	381
8474	1996	2950	2001	504
8474	1996	2950	2002	425
8474	1996	2950	2003	384
8524	1998	2275	1994	216
8524	1998	2275	1995	307
8524	1998	2275	1996	292
8524	1998	2275	1997	297
8524	1998	2275	1998	264
8524	1998	2275	1999	430
8524	1998	2275	2000	1291
8524	1998	2275	2001	291
8524	1998	2275	2002	323
8524	1998	2275	2003	281
8649	1997	11350	1994	75
8649	1997	11350	1995	159
8649	1997	11350	1996	157
8649	1997	11350	1997	110
8649	1997	11350	1998	122
8649	1997	11350	1999	125
8649	1997	11350	2000	696
8649	1997	11350	2001	109

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
8649	1997	11350	2002	113
8649	1997	11350	2003	76
8662	1998	550	1994	146
8662	1998	550	1995	228
8662	1998	550	1996	170
8662	1998	550	1997	176
8662	1998	550	1998	160
8662	1998	550	1999	147
8662	1998	550	2000	139
8662	1998	550	2001	169
8662	1998	550	2002	138
8662	1998	550	2003	84
8757	1997	4550	1994	80
8757	1997	4550	1995	136
8757	1997	4550	1996	106
8757	1997	4550	1997	56
8757	1997	4550	1998	43
8757	1997	4550	1999	40
8757	1997	4550	2000	45
8757	1997	4550	2001	82
8757	1997	4550	2002	67
8757	1997	4550	2003	97
8860	1999	6825	1994	281
8860	1999	6825	1995	339
8860	1999	6825	1996	139
8860	1999	6825	1997	161
8860	1999	6825	1998	149
8860	1999	6825	1999	142
8860	1999	6825	2000	84
8860	1999	6825	2001	152
8860	1999	6825	2002	229
8860	1999	6825	2003	164
8907	2001	820	1994	171
8907	2001	820	1995	274
8907	2001	820	1996	288
8907	2001	820	1997	289
8907	2001	820	1998	254
8907	2001	820	1999	196
8907	2001	820	2000	237
8907	2001	820	2001	370
8907	2001	820	2002	391
8907	2001	820	2003	410
8997	2001	4540	1994	104
8997	2001	4540	1995	174
8997	2001	4540	1996	154
8997	2001	4540	1997	196
8997	2001	4540	1998	274
8997	2001	4540	1999	187
8997	2001	4540	2000	162
8997	2001	4540	2001	104
8997	2001	4540	2002	253
8997	2001	4540	2003	202
9069	1996	4500	1994	114
9069	1996	4500	1995	117

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
9069	1996	4500	1996	112
9069	1996	4500	1997	81
9069	1996	4500	1998	74
9069	1996	4500	1999	92
9069	1996	4500	2000	88
9069	1996	4500	2001	119
9069	1996	4500	2002	104
9069	1996	4500	2003	104
9238	1999	1200	1994	248
9238	1999	1200	1995	190
9238	1999	1200	1996	111
9238	1999	1200	1997	191
9238	1999	1200	1998	199
9238	1999	1200	1999	187
9238	1999	1200	2000	226
9238	1999	1200	2001	218
9238	1999	1200	2002	130
9238	1999	1200	2003	251
9450	1996	10000	1994	258
9450	1996	10000	1995	586
9450	1996	10000	1996	288
9450	1996	10000	1997	255
9450	1996	10000	1998	102
9450	1996	10000	1999	31
9450	1996	10000	2000	82
9450	1996	10000	2001	12
9450	1996	10000	2002	79
9450	1996	10000	2003	91
9480	1999	3500	1994	205
9480	1999	3500	1995	212
9480	1999	3500	1996	202
9480	1999	3500	1997	214
9480	1999	3500	1998	204
9480	1999	3500	1999	104
9480	1999	3500	2000	42
9480	1999	3500	2001	0
9480	1999	3500	2002	0
9481	1999	3500	1994	228
9481	1999	3500	1995	314
9481	1999	3500	1996	244
9481	1999	3500	1997	233
9481	1999	3500	1998	193
9481	1999	3500	1999	154
9481	1999	3500	2000	282
9481	1999	3500	2001	116
9481	1999	3500	2002	118
9481	1999	3500	2003	94
9557	2000	750	1994	126
9557	2000	750	1995	220
9557	2000	750	1996	166
9557	2000	750	1997	192
9557	2000	750	1998	176
9557	2000	750	1999	170
9557	2000	750	2000	160

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
9557	2000	750	2001	201
9557	2000	750	2002	187
9557	2000	750	2003	180
9575	1999	150	1994	155
9575	1999	150	1995	193
9575	1999	150	1996	171
9575	1999	150	1997	106
9575	1999	150	1998	113
9575	1999	150	1999	87
9575	1999	150	2000	72
9575	1999	150	2001	70
9575	1999	150	2002	65
9575	1999	150	2003	58
9701	1999	30000	1994	867
9701	1999	30000	1995	1273
9701	1999	30000	1996	937
9701	1999	30000	1997	788
9701	1999	30000	1998	44
9701	1999	30000	1999	309
9701	1999	30000	2000	263
9701	1999	30000	2001	271
9701	1999	30000	2002	356
9701	1999	30000	2003	271
9913	1996	1010	1994	170
9913	1996	1010	1995	407
9913	1996	1010	1996	976
9913	1996	1010	1997	425
9913	1996	1010	1998	429
9913	1996	1010	1999	299
9913	1996	1010	2000	219
9913	1996	1010	2001	151
9913	1996	1010	2002	180
9913	1996	1010	2003	100
9960	1998	3062	1994	320
9960	1998	3062	1995	385
9960	1998	3062	1996	385
9960	1998	3062	1997	361
9960	1998	3062	1998	307
9960	1998	3062	1999	299
9960	1998	3062	2000	298
9960	1998	3062	2001	370
9960	1998	3062	2002	401
9960	1998	3062	2003	325
10403	1999	5000	1994	122
10403	1999	5000	1995	173
10403	1999	5000	1996	142
10403	1999	5000	1997	169
10403	1999	5000	1998	130
10403	1999	5000	1999	153
10403	1999	5000	2000	106
10403	1999	5000	2001	154
10403	1999	5000	2002	176
10403	1999	5000	2003	105
10734	1999	1600	1994	315
10734	1999	1600	1995	442

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
10734	1999	1600	1996	259
10734	1999	1600	1997	203
10734	1999	1600	1998	147
10734	1999	1600	1999	139
10734	1999	1600	2000	122
10734	1999	1600	2001	150
10734	1999	1600	2002	192
10734	1999	1600	2003	145
10953	2000	2270	1994	233
10953	2000	2270	1995	259
10953	2000	2270	1996	181
10953	2000	2270	1997	215
10953	2000	2270	1998	277
10953	2000	2270	1999	296
10953	2000	2270	2000	258
10953	2000	2270	2001	436
10953	2000	2270	2002	442
10953	2000	2270	2003	482
11104	2001	13620	1994	361
11104	2001	13620	1995	955
11104	2001	13620	1996	165
11104	2001	13620	1997	352
11104	2001	13620	1998	174
11104	2001	13620	1999	136
11104	2001	13620	2000	269
11104	2001	13620	2001	175
11104	2001	13620	2002	234
11104	2001	13620	2003	169
11269	1997	726	1994	94
11269	1997	726	1995	109
11269	1997	726	1996	82
11269	1997	726	1997	89
11269	1997	726	1998	79
11269	1997	726	1999	77
11269	1997	726	2000	88
11269	1997	726	2001	97
11269	1997	726	2002	98
11269	1997	726	2003	110
11526	1999	550	1994	45
11526	1999	550	1995	37
11526	1999	550	1996	62
11526	1999	550	1997	55
11526	1999	550	1998	70
11526	1999	550	1999	129
11526	1999	550	2000	118
11526	1999	550	2001	68
11526	1999	550	2002	76
11526	1999	550	2003	76
11633	1999	500	1994	346
11633	1999	500	1995	342
11633	1999	500	1996	367
11633	1999	500	1997	277
11633	1999	500	1998	239
11633	1999	500	1999	299
11633	1999	500	2000	315

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
11633	1999	500	2001	277
11633	1999	500	2002	294
11633	1999	500	2003	268
11778	1998	10000	1994	184
11778	1998	10000	1995	237
11778	1998	10000	1996	228
11778	1998	10000	1997	270
11778	1998	10000	1998	199
11778	1998	10000	1999	174
11778	1998	10000	2000	190
11778	1998	10000	2001	281
11778	1998	10000	2002	265
11778	1998	10000	2003	185
11796	2001	2270	1994	133
11796	2001	2270	1995	138
11796	2001	2270	1996	230
11796	2001	2270	1997	331
11796	2001	2270	1998	404
11796	2001	2270	1999	255
11796	2001	2270	2000	167
11796	2001	2270	2001	137
11796	2001	2270	2002	234
11796	2001	2270	2003	289
11870	2000	550	1994	73
11870	2000	550	1995	90
11870	2000	550	1996	27
11870	2000	550	1997	105
11870	2000	550	1998	93
11870	2000	550	1999	110
11870	2000	550	2000	110
11870	2000	550	2001	103
11870	2000	550	2002	92
11870	2000	550	2003	89
11873	1999	900	1994	439
11873	1999	900	1995	240
11873	1999	900	1996	130
11873	1999	900	1997	210
11873	1999	900	1998	175
11873	1999	900	1999	196
11873	1999	900	2000	231
11873	1999	900	2001	322
11873	1999	900	2002	349
11873	1999	900	2003	229
11955	2000	13620	1994	150
11955	2000	13620	1995	167
11955	2000	13620	1996	155
11955	2000	13620	1997	338
11955	2000	13620	1998	341
11955	2000	13620	1999	290
11955	2000	13620	2000	236
11955	2000	13620	2001	176
11955	2000	13620	2002	194
11955	2000	13620	2003	149
12309	1999	200	1999	158
12309	1999	200	2000	288

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
12309	1999	200	2001	401
12309	1999	200	2002	231
12309	1999	200	2003	215
12337	2002	4540	1994	113
12337	2002	4540	1995	113
12337	2002	4540	1996	103
12337	2002	4540	1997	140
12337	2002	4540	1998	123
12337	2002	4540	1999	147
12337	2002	4540	2000	152
12337	2002	4540	2001	140
12337	2002	4540	2002	192
12337	2002	4540	2003	204
12399	1999	681	2000	348
12399	1999	681	2001	505
12399	1999	681	2002	343
12399	1999	681	2003	697
12468	2002	180	1994	105
12468	2002	180	1995	178
12468	2002	180	1996	306
12468	2002	180	1997	204
12468	2002	180	1998	150
12468	2002	180	1999	126
12468	2002	180	2000	84
12468	2002	180	2001	153
12468	2002	180	2002	111
12468	2002	180	2003	174
12741	1999	9900	1994	124
12741	1999	9900	1995	184
12741	1999	9900	1996	367
12741	1999	9900	1997	327
12741	1999	9900	1998	329
12741	1999	9900	1999	251
12741	1999	9900	2000	363
12741	1999	9900	2001	313
12741	1999	9900	2002	291
12741	1999	9900	2003	338
12761	1999	3500	1994	59
12761	1999	3500	1995	170
12761	1999	3500	1996	132
12761	1999	3500	1997	193
12761	1999	3500	1998	101
12761	1999	3500	1999	166
12761	1999	3500	2002	136
12761	1999	3500	2003	90
13254	2001	1100	1994	0
13254	2001	1100	1996	410
13254	2001	1100	1997	295
13254	2001	1100	1998	359
13254	2001	1100	1999	360
13254	2001	1100	2000	335
13254	2001	1100	2001	361
13254	2001	1100	2002	346
13254	2001	1100	2003	251
13321	2002	636	1995	45

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
13321	2002	636	1996	118
13321	2002	636	1997	255
13321	2002	636	1998	158
13321	2002	636	1999	149
13321	2002	636	2000	236
13321	2002	636	2001	163
13321	2002	636	2002	232
13321	2002	636	2003	245
13534	2000	1600	1994	435
13534	2000	1600	1995	519
13534	2000	1600	1996	340
13534	2000	1600	1997	426
13534	2000	1600	1998	325
13534	2000	1600	1999	237
13534	2000	1600	2000	184
13534	2000	1600	2001	271
13534	2000	1600	2002	257
13534	2000	1600	2003	219
13553	1996	1350	1994	238
13553	1996	1350	1995	340
13553	1996	1350	1996	183
13553	1996	1350	1997	198
13553	1996	1350	1998	184
13553	1996	1350	1999	164
13553	1996	1350	2000	221
13553	1996	1350	2001	219
13553	1996	1350	2002	193
13553	1996	1350	2003	207
13859	1997	3423	1994	199
13859	1997	3423	1995	224
13859	1997	3423	1996	447
13859	1997	3423	1997	375
13859	1997	3423	1998	216
13859	1997	3423	1999	189
13859	1997	3423	2000	148
13859	1997	3423	2001	149
13859	1997	3423	2002	154
13859	1997	3423	2003	136
14042	1999	4500	1997	66
14042	1999	4500	1998	133
14042	1999	4500	1999	141
14042	1999	4500	2000	167
14042	1999	4500	2001	224
14042	1999	4500	2002	195
14042	1999	4500	2003	200
14098	1998	25000	1996	216
14098	1998	25000	1997	114
14098	1998	25000	1998	57
14098	1998	25000	1999	257
14098	1998	25000	2000	383
14098	1998	25000	2001	336
14098	1998	25000	2002	270
14098	1998	25000	2003	228
14167	2000	550	1994	173
14167	2000	550	1995	309

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
14167	2000	550	1996	93
14167	2000	550	1997	93
14167	2000	550	1998	127
14167	2000	550	1999	108
14167	2000	550	2000	121
14167	2000	550	2001	139
14167	2000	550	2002	138
14167	2000	550	2003	150
14441	1996	3640	1994	120
14441	1996	3640	1995	540
14441	1996	3640	1996	525
14441	1996	3640	1997	202
14441	1996	3640	1998	124
14441	1996	3640	1999	161
14441	1996	3640	2000	301
14441	1996	3640	2001	178
14441	1996	3640	2002	189
14441	1996	3640	2003	140
14705	2002	10000	1994	63
14705	2002	10000	1995	70
14705	2002	10000	1996	78
14705	2002	10000	1997	82
14705	2002	10000	1998	58
14705	2002	10000	1999	83
14705	2002	10000	2000	55
14705	2002	10000	2001	45
14705	2002	10000	2002	67
14705	2002	10000	2003	54
14739	1998	9000	1994	171
14739	1998	9000	1995	258
14739	1998	9000	1996	208
14739	1998	9000	1997	366
14739	1998	9000	1998	245
14739	1998	9000	1999	282
14739	1998	9000	2000	217
14739	1998	9000	2001	264
14739	1998	9000	2002	303
14739	1998	9000	2003	283
15574	1996	2650	1994	142
15574	1996	2650	1995	181
15574	1996	2650	1996	2512
15574	1996	2650	1997	94
15574	1996	2650	1998	86
15574	1996	2650	2000	53
15574	1996	2650	2001	80
15574	1996	2650	2002	93
15574	1996	2650	2003	150
16707	2002	1100	1994	317
16707	2002	1100	1995	334
16707	2002	1100	1996	301
16707	2002	1100	1997	401
16707	2002	1100	1998	202
16707	2002	1100	1999	149
16707	2002	1100	2000	265
16707	2002	1100	2001	282

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
16707	2002	1100	2002	309
16707	2002	1100	2003	279
17462	1996	1500	1994	72
17462	1996	1500	1995	39
17462	1996	1500	1996	33
17462	1996	1500	1997	52
17462	1996	1500	1998	41
17462	1996	1500	1999	48
17462	1996	1500	2000	47
17462	1996	1500	2001	53
17462	1996	1500	2002	70
17462	1996	1500	2003	89
17867	1999	200	1994	172
17867	1999	200	1995	235
17867	1999	200	1996	222
17867	1999	200	1997	284
17867	1999	200	1998	196
17867	1999	200	1999	185
17867	1999	200	2000	185
17867	1999	200	2001	218
17867	1999	200	2002	219
17867	1999	200	2003	231
17899	1996	2100	1994	28
17899	1996	2100	1995	137
17899	1996	2100	1996	121
17899	1996	2100	1997	124
17899	1996	2100	1998	128
17899	1996	2100	1999	125
17899	1996	2100	2000	119
17899	1996	2100	2001	131
17899	1996	2100	2002	138
17899	1996	2100	2003	148
18067	1996	2270	1994	313
18067	1996	2270	1995	328
18067	1996	2270	1996	286
18067	1996	2270	1997	357
18067	1996	2270	1998	301
18067	1996	2270	1999	334
18067	1996	2270	2000	272
18067	1996	2270	2001	342
18067	1996	2270	2002	406
18067	1996	2270	2003	247
18949	1997	6825	1994	227
18949	1997	6825	1995	244
18949	1997	6825	1996	227
18949	1997	6825	1997	170
18949	1997	6825	1998	132
18949	1997	6825	1999	133
18949	1997	6825	2000	150
18949	1997	6825	2001	118
18949	1997	6825	2002	139
18949	1997	6825	2003	139
18958	2002	4540	1994	125
18958	2002	4540	1995	361
18958	2002	4540	1996	414

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
18958	2002	4540	1997	486
18958	2002	4540	1998	197
18958	2002	4540	1999	195
18958	2002	4540	2000	177
18958	2002	4540	2001	378
18958	2002	4540	2002	466
18958	2002	4540	2003	269
19068	2001	1000	1994	382
19068	2001	1000	1995	393
19068	2001	1000	1996	381
19068	2001	1000	1997	379
19068	2001	1000	1998	316
19068	2001	1000	1999	437
19068	2001	1000	2000	473
19068	2001	1000	2001	449
19068	2001	1000	2002	280
19068	2001	1000	2003	233
19280	1999	500	1994	231
19280	1999	500	1995	406
19280	1999	500	1996	407
19280	1999	500	1997	457
19280	1999	500	1998	454
19280	1999	500	1999	290
19280	1999	500	2000	264
19280	1999	500	2001	488
19280	1999	500	2002	480
19280	1999	500	2003	367
19319	1997	910	1994	175
19319	1997	910	1995	196
19319	1997	910	1996	178
19319	1997	910	1997	220
19319	1997	910	1998	186
19319	1997	910	1999	187
19319	1997	910	2000	201
19319	1997	910	2001	219
19319	1997	910	2002	198
19319	1997	910	2003	208
19415	1997	682	1994	113
19415	1997	682	1995	107
19415	1997	682	1996	108
19415	1997	682	1997	110
19415	1997	682	1998	128
19415	1997	682	1999	114
19415	1997	682	2000	118
19415	1997	682	2001	125
19415	1997	682	2002	130
19415	1997	682	2003	250
19456	1999	200	1994	207
19456	1999	200	1995	239
19456	1999	200	1996	228
19456	1999	200	1997	241
19456	1999	200	1998	222
19456	1999	200	1999	232
19456	1999	200	2000	258
19456	1999	200	2001	249

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
19456	1999	200	2002	282
19456	1999	200	2003	264
19585	2000	550	1994	112
19585	2000	550	1995	143
19585	2000	550	1996	135
19585	2000	550	1997	172
19585	2000	550	1998	160
19585	2000	550	1999	117
19585	2000	550	2000	118
19585	2000	550	2001	163
19585	2000	550	2002	189
19585	2000	550	2003	169
20254	1997	5900	1994	172
20254	1997	5900	1995	225
20254	1997	5900	1996	220
20254	1997	5900	1997	155
20254	1997	5900	1998	197
20254	1997	5900	1999	171
20254	1997	5900	2000	134
20254	1997	5900	2001	105
20254	1997	5900	2002	111
20254	1997	5900	2003	129
21574	2000	4540	1994	324
21574	2000	4540	1995	184
21574	2000	4540	1996	214
21574	2000	4540	1997	263
21574	2000	4540	1998	294
21574	2000	4540	1999	215
21574	2000	4540	2000	191
21574	2000	4540	2001	292
21574	2000	4540	2002	309
21574	2000	4540	2003	233
21649	1999	454	1994	160
21649	1999	454	1995	178
21649	1999	454	1996	225
21649	1999	454	1997	211
21649	1999	454	1998	249
21649	1999	454	1999	193
21649	1999	454	2000	235
21649	1999	454	2001	245
21649	1999	454	2002	216
21649	1999	454	2003	192
21705	2000	550	1994	135
21705	2000	550	1995	266
21705	2000	550	1996	338
21705	2000	550	1997	367
21705	2000	550	1998	329
21705	2000	550	1999	237
21705	2000	550	2000	194
21705	2000	550	2001	253
21705	2000	550	2002	277
21705	2000	550	2003	237
21749	1997	100	1994	207
21749	1997	100	1995	205
21749	1997	100	1996	184

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
21749	1997	100	1997	235
21749	1997	100	1998	201
21749	1997	100	1999	201
21749	1997	100	2000	203
21749	1997	100	2001	229
21749	1997	100	2002	256
21749	1997	100	2003	188
21764	1999	550	1994	206
21764	1999	550	1995	222
21764	1999	550	1996	205
21764	1999	550	1997	210
21764	1999	550	1998	215
21764	1999	550	1999	210
21764	1999	550	2000	192
21764	1999	550	2001	221
21764	1999	550	2002	424
21764	1999	550	2003	322
21765	2000	450	1994	213
21765	2000	450	1995	268
21765	2000	450	1996	218
21765	2000	450	1997	266
21765	2000	450	1998	243
21765	2000	450	1999	201
21765	2000	450	2000	201
21765	2000	450	2001	260
21765	2000	450	2002	239
21765	2000	450	2003	264
21857	1999	800	1994	185
21857	1999	800	1995	237
21857	1999	800	1996	176
21857	1999	800	1997	130
21857	1999	800	1998	122
21857	1999	800	1999	108
21857	1999	800	2000	94
21857	1999	800	2001	266
21857	1999	800	2002	742
21857	1999	800	2003	264
21893	1996	900	1994	172
21893	1996	900	1995	119
21893	1996	900	1996	116
21893	1996	900	1997	113
21893	1996	900	1998	78
21893	1996	900	1999	156
21893	1996	900	2000	211
21893	1996	900	2001	245
21893	1996	900	2002	188
21893	1996	900	2003	147
21925	1999	450	1994	169
21925	1999	450	1995	193
21925	1999	450	1996	177
21925	1999	450	1997	140
21925	1999	450	1998	116
21925	1999	450	1999	105
21925	1999	450	2000	101
21925	1999	450	2001	118

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
21925	1999	450	2002	139
21925	1999	450	2003	110
22016	1999	900	1994	111
22016	1999	900	1995	197
22016	1999	900	1996	174
22016	1999	900	1997	153
22016	1999	900	1998	125
22016	1999	900	1999	126
22016	1999	900	2000	111
22016	1999	900	2001	179
22016	1999	900	2002	219
22016	1999	900	2003	152
22037	1997	1000	1994	215
22037	1997	1000	1995	305
22037	1997	1000	1996	283
22037	1997	1000	1997	213
22037	1997	1000	1998	162
22037	1997	1000	1999	119
22037	1997	1000	2000	87
22037	1997	1000	2001	140
22037	1997	1000	2002	204
22037	1997	1000	2003	142
22350	1998	1575	1994	156
22350	1998	1575	1995	168
22350	1998	1575	1996	145
22350	1998	1575	1997	136
22350	1998	1575	1998	107
22350	1998	1575	1999	99
22350	1998	1575	2000	133
22350	1998	1575	2001	204
22350	1998	1575	2002	219
22350	1998	1575	2003	318
22524	1997	1361	1994	278
22524	1997	1361	1995	269
22524	1997	1361	1996	496
22524	1997	1361	1997	244
22524	1997	1361	1998	248
22524	1997	1361	1999	210
22524	1997	1361	2000	275
22524	1997	1361	2001	326
22524	1997	1361	2002	295
22524	1997	1361	2003	167
22953	1997	550	1994	118
22953	1997	550	1995	298
22953	1997	550	1996	119
22953	1997	550	1997	105
22953	1997	550	1998	55
22953	1997	550	1999	125
22953	1997	550	2000	74
22953	1997	550	2001	76
22953	1997	550	2002	189
22953	1997	550	2003	177
23010	1996	4600	1994	424
23010	1996	4600	1995	169

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
23010	1996	4600	1996	166
23010	1996	4600	1997	176
23010	1996	4600	1998	170
23010	1996	4600	1999	219
23010	1996	4600	2000	224
23010	1996	4600	2001	137
23010	1996	4600	2002	131
23010	1996	4600	2003	211
23287	1996	450	1994	166
23287	1996	450	1995	282
23287	1996	450	1996	219
23287	1996	450	1997	244
23287	1996	450	1998	228
23287	1996	450	1999	201
23287	1996	450	2000	219
23287	1996	450	2001	262
23287	1996	450	2002	210
23287	1996	450	2003	192
23390	1997	900	1997	46
23390	1997	900	1998	93
23390	1997	900	1999	43
23390	1997	900	2000	34
23390	1997	900	2001	61
23390	1997	900	2002	94
23390	1997	900	2003	96
23394	2000	900	1999	103
23394	2000	900	2000	294
23394	2000	900	2001	197
23394	2000	900	2002	242
23394	2000	900	2003	239
23401	1999	2270	1994	120
23401	1999	2270	1995	128
23401	1999	2270	1996	191
23401	1999	2270	1997	87
23401	1999	2270	1998	87
23401	1999	2270	1999	123
23401	1999	2270	2000	100
23401	1999	2270	2001	72
23401	1999	2270	2002	79
23401	1999	2270	2003	70
23494	1999	13620	1999	74
23494	1999	13620	2000	95
23494	1999	13620	2001	186
23494	1999	13620	2002	260
23494	1999	13620	2003	101
23503	1999	730	1997	232
23503	1999	730	1998	222
23503	1999	730	1999	187
23503	1999	730	2000	133
23503	1999	730	2001	175
23503	1999	730	2002	130
23503	1999	730	2003	142
23685	2000	726	1994	292
23685	2000	726	1995	209
23685	2000	726	1996	122

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
23685	2000	726	1997	142
23685	2000	726	1998	254
23685	2000	726	1999	225
23685	2000	726	2000	261
23685	2000	726	2001	262
23685	2000	726	2002	461
23685	2000	726	2003	351
23831	2000	900	1994	364
23831	2000	900	1995	478
23831	2000	900	1996	472
23831	2000	900	1997	429
23831	2000	900	1998	304
23831	2000	900	1999	306
23831	2000	900	2000	319
23831	2000	900	2001	273
23831	2000	900	2002	257
23831	2000	900	2003	242
23832	2002	2542	1994	99
23832	2002	2542	1995	128
23832	2002	2542	1996	120
23832	2002	2542	1997	104
23832	2002	2542	1998	97
23832	2002	2542	1999	107
23832	2002	2542	2000	105
23832	2002	2542	2001	66
23832	2002	2542	2002	68
23832	2002	2542	2003	72
23958	1999	10000	1994	75
23958	1999	10000	1995	102
23958	1999	10000	1996	186
23958	1999	10000	1997	109
23958	1999	10000	1998	121
23958	1999	10000	1999	165
23958	1999	10000	2000	124
23958	1999	10000	2001	170
23958	1999	10000	2002	138
23958	1999	10000	2003	211
24048	1996	9000	1994	150
24048	1996	9000	1995	170
24048	1996	9000	1996	41
24048	1996	9000	1997	64
24048	1996	9000	1998	102
24048	1996	9000	1999	62
24048	1996	9000	2000	43
24048	1996	9000	2001	52
24048	1996	9000	2002	89
24048	1996	9000	2003	87
24149	1996	2250	1994	55
24149	1996	2250	1995	78
24149	1996	2250	1996	85
24149	1996	2250	1997	53
24149	1996	2250	1998	177
24149	1996	2250	1999	274
24149	1996	2250	2000	274
24149	1996	2250	2001	286

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
24149	1996	2250	2002	322
24149	1996	2250	2003	208
24299	1997	2250	1994	136
24299	1997	2250	1995	170
24299	1997	2250	1996	227
24299	1997	2250	1997	237
24299	1997	2250	1998	188
24299	1997	2250	1999	214
24299	1997	2250	2000	142
24299	1997	2250	2001	209
24299	1997	2250	2002	216
24299	1997	2250	2003	233
24621	2001	4675	1994	247
24621	2001	4675	1995	264
24621	2001	4675	1996	182
24621	2001	4675	1997	186
24621	2001	4675	1998	172
24621	2001	4675	1999	160
24621	2001	4675	2000	127
24621	2001	4675	2001	108
24621	2001	4675	2002	124
24621	2001	4675	2003	105
24787	1996	900	1994	141
24787	1996	900	1995	157
24787	1996	900	1996	123
24787	1996	900	1997	146
24787	1996	900	1998	146
24787	1996	900	1999	150
24787	1996	900	2000	184
24787	1996	900	2001	182
24787	1996	900	2002	176
24787	1996	900	2003	167
24837	1999	4500	1994	141
24837	1999	4500	1995	169
24837	1999	4500	1996	157
24837	1999	4500	1997	143
24837	1999	4500	1998	114
24837	1999	4500	1999	134
24837	1999	4500	2000	107
24837	1999	4500	2001	123
24837	1999	4500	2002	162
24837	1999	4500	2003	76
25056	2002	4540	1994	187
25056	2002	4540	1995	442
25056	2002	4540	1996	178
25056	2002	4540	1997	226
25056	2002	4540	1998	241
25056	2002	4540	1999	287
25056	2002	4540	2000	180
25056	2002	4540	2001	218
25056	2002	4540	2002	315
25056	2002	4540	2003	289
25269	1999	550	1994	274
25269	1999	550	1995	369
25269	1999	550	1996	342

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
25269	1999	550	1997	373
25269	1999	550	1998	358
25269	1999	550	1999	255
25269	1999	550	2000	170
25269	1999	550	2001	241
25269	1999	550	2002	251
25269	1999	550	2003	231
25291	1996	4500	1994	196
25291	1996	4500	1995	338
25291	1996	4500	1996	166
25291	1996	4500	1997	157
25291	1996	4500	1998	181
25291	1996	4500	1999	153
25291	1996	4500	2000	138
25291	1996	4500	2001	187
25291	1996	4500	2002	186
25291	1996	4500	2003	175
25345	2002	4540	1994	71
25345	2002	4540	1995	99
25345	2002	4540	1996	77
25345	2002	4540	1997	86
25345	2002	4540	1998	91
25345	2002	4540	1999	76
25345	2002	4540	2000	66
25345	2002	4540	2001	73
25345	2002	4540	2002	99
25345	2002	4540	2003	73
25358	1999	5900	1994	356
25358	1999	5900	1995	442
25358	1999	5900	1996	303
25358	1999	5900	1997	396
25358	1999	5900	1998	295
25358	1999	5900	1999	239
25358	1999	5900	2000	203
25358	1999	5900	2001	278
25358	1999	5900	2002	347
25358	1999	5900	2003	338
25364	1996	454	1994	260
25364	1996	454	1995	314
25364	1996	454	1996	324
25364	1996	454	1997	398
25364	1996	454	1998	397
25364	1996	454	1999	374
25364	1996	454	2000	324
25364	1996	454	2001	395
25364	1996	454	2002	376
25364	1996	454	2003	333
25551	1999	1000	1994	257
25551	1999	1000	1995	710
25551	1999	1000	1996	198
25551	1999	1000	1997	273
25551	1999	1000	1998	448
25551	1999	1000	1999	140
25551	1999	1000	2000	570
25551	1999	1000	2001	123

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
25551	1999	1000	2002	216
25551	1999	1000	2003	235
25647	1996	13500	1994	103
25647	1996	13500	1995	102
25647	1996	13500	1996	63
25647	1996	13500	1997	37
25647	1996	13500	1998	22
25647	1996	13500	1999	103
25647	1996	13500	2000	10
25647	1996	13500	2001	39
25647	1996	13500	2002	80
25647	1996	13500	2003	43
25682	1999	2270	1994	118
25682	1999	2270	1995	157
25682	1999	2270	1996	167
25682	1999	2270	1997	98
25682	1999	2270	1998	58
25682	1999	2270	1999	51
25682	1999	2270	2000	26
25682	1999	2270	2001	37
25682	1999	2270	2002	23
25682	1999	2270	2003	26
25720	1997	2276	1994	126
25720	1997	2276	1995	138
25720	1997	2276	1996	135
25720	1997	2276	1997	147
25720	1997	2276	1998	100
25720	1997	2276	1999	426
25720	1997	2276	2000	152
25720	1997	2276	2001	173
25720	1997	2276	2002	222
25720	1997	2276	2003	245
25743	1999	1800	1994	209
25743	1999	1800	1995	165
25743	1999	1800	1996	114
25743	1999	1800	1997	115
25743	1999	1800	1998	83
25743	1999	1800	1999	96
25743	1999	1800	2000	87
25743	1999	1800	2001	95
25743	1999	1800	2002	100
25743	1999	1800	2003	93
25767	1999	4500	1994	169
25767	1999	4500	1995	247
25767	1999	4500	1996	208
25767	1999	4500	1997	235
25767	1999	4500	1998	197
25767	1999	4500	1999	167
25767	1999	4500	2000	140
25767	1999	4500	2001	268
25767	1999	4500	2002	327
25767	1999	4500	2003	248
25776	1999	890	1994	218
25776	1999	890	1995	299
25776	1999	890	1996	235

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
25776	1999	890	1997	245
25776	1999	890	1998	237
25776	1999	890	1999	203
25776	1999	890	2000	181
25776	1999	890	2001	227
25776	1999	890	2002	232
25776	1999	890	2003	213
25782	1999	900	1994	116
25782	1999	900	1995	168
25782	1999	900	1996	164
25782	1999	900	1997	243
25782	1999	900	1998	210
25782	1999	900	1999	204
25782	1999	900	2000	191
25782	1999	900	2001	256
25782	1999	900	2002	323
25782	1999	900	2003	306
25922	1996	10000	1994	256
25922	1996	10000	1995	271
25922	1996	10000	1996	221
25922	1996	10000	1997	232
25922	1996	10000	1998	215
25922	1996	10000	1999	207
25922	1996	10000	2000	184
25922	1996	10000	2001	208
25922	1996	10000	2002	292
25922	1996	10000	2003	113
25965	1998	1137	1994	65
25965	1998	1137	1995	226
25965	1998	1137	1996	258
25965	1998	1137	1997	210
25965	1998	1137	1998	243
25965	1998	1137	1999	278
25965	1998	1137	2000	250
25965	1998	1137	2001	237
25965	1998	1137	2002	263
25965	1998	1137	2003	239
25966	1998	1137	1994	89
25966	1998	1137	1995	81
25966	1998	1137	1996	81
25966	1998	1137	1997	78
25966	1998	1137	1998	81
25966	1998	1137	1999	78
25966	1998	1137	2000	60
25983	1999	4450	2003	153
25990	1998	9000	1994	236
25990	1998	9000	1995	313
25990	1998	9000	1996	299
25990	1998	9000	1997	315
25990	1998	9000	1998	285
25990	1998	9000	1999	261
25990	1998	9000	2000	291
25990	1998	9000	2001	337
25990	1998	9000	2002	368

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
25990	1998	9000	2003	375
26046	1997	910	1994	249
26046	1997	910	1995	267
26046	1997	910	1996	296
26046	1997	910	1997	286
26046	1997	910	1998	270
26046	1997	910	1999	251
26046	1997	910	2000	250
26046	1997	910	2001	253
26046	1997	910	2002	302
26046	1997	910	2003	261
26067	1996	3800	1994	73
26067	1996	3800	1995	85
26067	1996	3800	1996	101
26067	1996	3800	1997	80
26067	1996	3800	1998	358
26067	1996	3800	1999	140
26067	1996	3800	2000	284
26067	1996	3800	2001	260
26067	1996	3800	2002	147
26067	1996	3800	2003	180
26238	1999	4500	1994	120
26238	1999	4500	1995	209
26238	1999	4500	1996	273
26238	1999	4500	1997	376
26238	1999	4500	1998	213
26238	1999	4500	1999	452
26238	1999	4500	2000	89
26238	1999	4500	2001	346
26238	1999	4500	2002	405
26238	1999	4500	2003	354
26247	2000	727	1994	188
26247	2000	727	1995	175
26247	2000	727	1996	191
26247	2000	727	1997	320
26247	2000	727	1998	170
26247	2000	727	1999	36
26247	2000	727	2000	37
26247	2000	727	2001	114
26247	2000	727	2002	155
26247	2000	727	2003	109
26250	1999	5225	1994	228
26250	1999	5225	1995	192
26250	1999	5225	1996	174
26250	1999	5225	1997	192
26250	1999	5225	1998	216
26250	1999	5225	1999	153
26250	1999	5225	2000	135
26250	1999	5225	2001	129
26250	1999	5225	2002	146
26250	1999	5225	2003	174
26256	2001	22730	1994	335
26256	2001	22730	1995	472
26256	2001	22730	1996	716

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
26256	2001	22730	1997	802
26256	2001	22730	1998	489
26256	2001	22730	1999	345
26256	2001	22730	2000	400
26256	2001	22730	2001	585
26256	2001	22730	2002	323
26256	2001	22730	2003	337
26327	2002	9000	1994	179
26327	2002	9000	1995	368
26327	2002	9000	1996	279
26327	2002	9000	1997	465
26327	2002	9000	1998	182
26327	2002	9000	1999	88
26327	2002	9000	2000	178
26327	2002	9000	2001	134
26327	2002	9000	2002	161
26327	2002	9000	2003	371
26386	1999	2200	1994	161
26386	1999	2200	1995	228
26386	1999	2200	1996	248
26386	1999	2200	1997	188
26386	1999	2200	1998	184
26386	1999	2200	1999	215
26386	1999	2200	2000	194
26386	1999	2200	2001	224
26386	1999	2200	2002	264
26386	1999	2200	2003	349
26388	1999	1800	1994	143
26388	1999	1800	1995	149
26388	1999	1800	1996	157
26388	1999	1800	1997	179
26388	1999	1800	1998	166
26388	1999	1800	1999	164
26388	1999	1800	2000	152
26388	1999	1800	2001	120
26388	1999	1800	2002	115
26388	1999	1800	2003	108
26432	2001	1000	1994	135
26432	2001	1000	1995	153
26432	2001	1000	1996	138
26432	2001	1000	1997	138
26432	2001	1000	1998	136
26432	2001	1000	1999	126
26432	2001	1000	2000	131
26432	2001	1000	2001	128
26432	2001	1000	2002	154
26432	2001	1000	2003	148
26460	1998	450	1994	154
26460	1998	450	1995	253
26460	1998	450	1996	212
26460	1998	450	1997	232
26460	1998	450	1998	359
26460	1998	450	1999	417
26460	1998	450	2000	253

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
26460	1998	450	2001	274
26460	1998	450	2002	305
26460	1998	450	2003	250
26487	1999	1600	1994	147
26487	1999	1600	1995	168
26487	1999	1600	1996	367
26487	1999	1600	1997	537
26487	1999	1600	1998	492
26487	1999	1600	1999	347
26487	1999	1600	2000	246
26487	1999	1600	2001	229
26487	1999	1600	2002	204
26487	1999	1600	2003	151
26536	1999	908	1994	255
26536	1999	908	1995	299
26536	1999	908	1996	251
26536	1999	908	1997	363
26536	1999	908	1998	296
26536	1999	908	1999	342
26536	1999	908	2000	265
26536	1999	908	2001	283
26536	1999	908	2002	309
26536	1999	908	2003	259
26561	1996	4500	1994	81
26561	1996	4500	1995	67
26561	1996	4500	1996	69
26561	1996	4500	1997	70
26561	1996	4500	1998	80
26561	1996	4500	1999	68
26561	1996	4500	2000	87
26561	1996	4500	2001	85
26561	1996	4500	2002	79
26561	1996	4500	2003	83
26604	1999	4270	1994	71
26604	1999	4270	1995	104
26604	1999	4270	1996	72
26604	1999	4270	1997	196
26604	1999	4270	1998	256
26604	1999	4270	1999	285
26604	1999	4270	2000	277
26604	1999	4270	2001	276
26604	1999	4270	2002	270
26604	1999	4270	2003	256
26687	2002	2542	1994	222
26687	2002	2542	1995	222
26687	2002	2542	1996	212
26687	2002	2542	1997	205
26687	2002	2542	1998	222
26687	2002	2542	1999	209
26687	2002	2542	2000	210
26687	2002	2542	2001	178
26687	2002	2542	2002	133
26687	2002	2542	2003	259
26715	1997	550	1994	131

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
26715	1997	550	1995	110
26715	1997	550	1996	213
26715	1997	550	1997	294
26715	1997	550	1998	215
26715	1997	550	1999	247
26715	1997	550	2000	166
26715	1997	550	2001	243
26715	1997	550	2002	339
26715	1997	550	2003	320
27284	2000	6750	1994	64
27284	2000	6750	1995	52
27284	2000	6750	1996	40
27284	2000	6750	1997	22
27284	2000	6750	1998	24
27284	2000	6750	1999	16
27284	2000	6750	2000	19
27284	2000	6750	2001	25
27284	2000	6750	2002	36
27284	2000	6750	2003	19
27379	2001	908	1994	115
27379	2001	908	1995	112
27379	2001	908	1996	127
27379	2001	908	1997	184
27379	2001	908	1998	168
27379	2001	908	1999	174
27379	2001	908	2000	147
27379	2001	908	2001	132
27379	2001	908	2002	142
27379	2001	908	2003	159
27429	1998	910	1994	119
27429	1998	910	1995	272
27429	1998	910	1996	109
27429	1998	910	1997	81
27429	1998	910	1998	127
27429	1998	910	1999	96
27429	1998	910	2000	34
27429	1998	910	2001	80
27429	1998	910	2002	105
27429	1998	910	2003	69
27443	1999	9000	1994	238
27443	1999	9000	1995	342
27443	1999	9000	1996	255
27443	1999	9000	1997	317
27443	1999	9000	1998	342
27443	1999	9000	2000	235
27443	1999	9000	2001	274
27443	1999	9000	2002	258
27462	1997	4500	1994	111
27462	1997	4500	1995	66
27462	1997	4500	1996	65
27462	1997	4500	1997	80
27462	1997	4500	1998	84
27462	1997	4500	1999	130
27462	1997	4500	2000	97

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
27462	1997	4500	2001	88
27462	1997	4500	2002	68
27462	1997	4500	2003	51
27579	1999	4500	1994	77
27579	1999	4500	1995	125
27579	1999	4500	1996	107
27579	1999	4500	1997	79
27579	1999	4500	1998	102
27579	1999	4500	1999	56
27579	1999	4500	2000	26
27579	1999	4500	2001	61
27579	1999	4500	2002	78
27579	1999	4500	2003	56
27686	1996	2250	1994	154
27686	1996	2250	1995	183
27686	1996	2250	1996	170
27686	1996	2250	1997	152
27686	1996	2250	1998	147
27686	1996	2250	1999	141
27686	1996	2250	2000	154
27686	1996	2250	2001	205
27686	1996	2250	2002	271
27686	1996	2250	2003	284
27783	1997	1000	1994	162
27783	1997	1000	1995	95
27783	1997	1000	1996	210
27783	1997	1000	1997	246
27783	1997	1000	1998	133
27783	1997	1000	1999	151
27783	1997	1000	2000	104
27783	1997	1000	2001	131
27783	1997	1000	2002	163
27783	1997	1000	2003	209
27797	2001	22700	2001	234
27797	2001	22700	2002	194
27797	2001	22700	2003	153
27867	1999	2700	1994	157
27867	1999	2700	1995	178
27867	1999	2700	1996	143
27867	1999	2700	1997	150
27867	1999	2700	1998	158
27867	1999	2700	1999	159
27867	1999	2700	2000	162
27867	1999	2700	2001	162
27867	1999	2700	2002	219
27867	1999	2700	2003	318
27871	1996	1136	1994	257
27871	1996	1136	1995	412
27871	1996	1136	1996	427
27871	1996	1136	1997	383
27871	1996	1136	1998	331
27871	1996	1136	1999	344
27871	1996	1136	2000	416
27871	1996	1136	2001	303
27871	1996	1136	2002	295

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
27871	1996	1136	2003	373
27873	1999	600	1994	279
27873	1999	600	1995	204
27873	1999	600	1996	114
27873	1999	600	1997	302
27873	1999	600	1998	343
27873	1999	600	1999	212
27873	1999	600	2000	280
27873	1999	600	2001	287
27873	1999	600	2002	392
27873	1999	600	2003	387
27980	1998	4500	1994	140
27980	1998	4500	1995	244
27980	1998	4500	1996	202
27980	1998	4500	1997	176
27980	1998	4500	1998	165
27980	1998	4500	1999	196
27980	1998	4500	2000	163
27980	1998	4500	2001	184
27980	1998	4500	2002	208
27980	1998	4500	2003	179
28113	2000	545	1994	180
28113	2000	545	1995	234
28113	2000	545	1996	209
28113	2000	545	1997	205
28113	2000	545	1998	196
28113	2000	545	1999	145
28113	2000	545	2000	161
28113	2000	545	2001	206
28113	2000	545	2002	286
28113	2000	545	2003	249
28617	1998	1050	1994	225
28617	1998	1050	1995	301
28617	1998	1050	1996	230
28617	1998	1050	1997	354
28617	1998	1050	1998	339
28617	1998	1050	1999	265
28617	1998	1050	2000	242
28617	1998	1050	2001	268
28617	1998	1050	2002	168
28617	1998	1050	2003	374
28807	2001	136.2	1994	226
28807	2001	136.2	1995	292
28807	2001	136.2	1996	224
28807	2001	136.2	1997	199
28807	2001	136.2	1998	242
28807	2001	136.2	1999	201
28807	2001	136.2	2000	199
28807	2001	136.2	2001	309
28807	2001	136.2	2002	417
28807	2001	136.2	2003	357
28913	1997	9999	1994	123
28913	1997	9999	1995	126
28913	1997	9999	1996	148

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
28913	1997	9999	1997	148
28913	1997	9999	1998	105
28913	1997	9999	1999	62
28913	1997	9999	2000	58
28913	1997	9999	2001	65
28913	1997	9999	2002	49
28913	1997	9999	2003	107
28929	1997	10000	1994	110
28929	1997	10000	1995	131
28929	1997	10000	1996	107
28929	1997	10000	1997	125
28929	1997	10000	1998	135
28929	1997	10000	1999	111
28929	1997	10000	2000	109
28929	1997	10000	2001	144
28929	1997	10000	2002	200
28929	1997	10000	2003	168
29009	1999	1400	1994	127
29009	1999	1400	1995	149
29009	1999	1400	1996	151
29009	1999	1400	1997	305
29009	1999	1400	1998	236
29009	1999	1400	1999	210
29009	1999	1400	2000	171
29009	1999	1400	2001	265
29009	1999	1400	2002	353
29009	1999	1400	2003	172
29303	1996	3600	1994	64
29303	1996	3600	1995	145
29303	1996	3600	1996	100
29303	1996	3600	1997	69
29303	1996	3600	1998	86
29303	1996	3600	1999	59
29303	1996	3600	2000	58
29303	1996	3600	2001	163
29303	1996	3600	2002	71
29303	1996	3600	2003	64
29322	1997	900	1994	78
29322	1997	900	1995	96
29322	1997	900	1996	87
29322	1997	900	1997	92
29322	1997	900	1998	106
29322	1997	900	1999	109
29322	1997	900	2000	111
29322	1997	900	2001	96
29322	1997	900	2002	85
29322	1997	900	2003	86
29333	1997	13650	1994	220
29333	1997	13650	1995	206
29333	1997	13650	1996	135
29333	1997	13650	1997	165
29333	1997	13650	1998	124
29333	1997	13650	1999	103
29333	1997	13650	2000	174

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
29333	1997	13650	2001	282
29333	1997	13650	2002	254
29333	1997	13650	2003	212
29345	2000	16798	1994	19
29345	2000	16798	1995	34
29345	2000	16798	1996	55
29345	2000	16798	1997	27
29345	2000	16798	1998	72
29345	2000	16798	1999	134
29345	2000	16798	2000	164
29345	2000	16798	2001	245
29345	2000	16798	2002	268
29345	2000	16798	2003	180
29656	1996	12500	1997	121
29656	1996	12500	1998	174
29656	1996	12500	1999	33
29656	1996	12500	2000	2
29656	1996	12500	2001	40
29656	1996	12500	2002	43
29656	1996	12500	2003	74
29658	1996	10100	1995	188
29658	1996	10100	1996	217
29658	1996	10100	1997	194
29658	1996	10100	1998	176
29658	1996	10100	1999	175
29658	1996	10100	2000	169
29658	1996	10100	2001	255
29658	1996	10100	2002	525
29658	1996	10100	2003	508
29887	2001	13620	1994	26
29887	2001	13620	1995	25
29887	2001	13620	1996	16
29887	2001	13620	1997	18
29887	2001	13620	1998	15
29887	2001	13620	1999	22
29887	2001	13620	2000	49
29887	2001	13620	2001	20
29887	2001	13620	2002	22
29887	2001	13620	2003	19
29940	2001	22700	2001	277
29940	2001	22700	2002	552
29940	2001	22700	2003	223
29957	1997	4500	1994	453
29957	1997	4500	1995	682
29957	1997	4500	1996	713
29957	1997	4500	1997	675
29957	1997	4500	1998	708
29957	1997	4500	1999	409
29957	1997	4500	2000	341
29957	1997	4500	2001	437
29957	1997	4500	2002	805
29957	1997	4500	2003	1382
30284	2000	2270	1994	114
30284	2000	2270	1995	1064

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
30284	2000	2270	1996	203
30284	2000	2270	1997	195
30284	2000	2270	1998	159
30284	2000	2270	1999	180
30284	2000	2270	2000	138
30284	2000	2270	2001	228
30284	2000	2270	2002	237
30284	2000	2270	2003	261
30449	1996	6820	1994	46
30449	1996	6820	1995	148
30449	1996	6820	1996	67
30449	1996	6820	1997	6
30449	1996	6820	1998	46
30449	1996	6820	1999	41
30449	1996	6820	2000	20
30449	1996	6820	2001	179
30449	1996	6820	2002	255
30449	1996	6820	2003	184
30583	1999	726	1994	110
30583	1999	726	1995	95
30583	1999	726	1996	323
30583	1999	726	1997	356
30583	1999	726	1998	163
30583	1999	726	1999	230
30583	1999	726	2000	216
30583	1999	726	2001	281
30583	1999	726	2002	327
30583	1999	726	2003	230
30691	1999	23000	1999	207
30691	1999	23000	2000	216
30691	1999	23000	2001	391
30691	1999	23000	2002	316
30691	1999	23000	2003	255
30694	1996	19000	1994	122
30694	1996	19000	1995	267
30694	1996	19000	1996	311
30694	1996	19000	1997	546
30694	1996	19000	1998	333
30694	1996	19000	1999	229
30694	1996	19000	2000	284
30694	1996	19000	2001	736
30694	1996	19000	2002	490
30694	1996	19000	2003	997
30772	2002	4500	1994	183
30772	2002	4500	1995	180
30772	2002	4500	1996	148
30772	2002	4500	1997	165
30772	2002	4500	1998	193
30772	2002	4500	1999	319
30772	2002	4500	2000	228
30772	2002	4500	2001	239
30772	2002	4500	2002	240
30772	2002	4500	2003	194
30796	1996	2500	1994	234

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
30796	1996	2500	1995	299
30796	1996	2500	1996	261
30796	1996	2500	1997	278
30796	1996	2500	1998	194
30796	1996	2500	1999	174
30796	1996	2500	2000	184
30796	1996	2500	2001	320
30796	1996	2500	2002	290
30796	1996	2500	2003	196
30913	1997	9100	1994	603
30913	1997	9100	1995	321
30913	1997	9100	1996	301
30913	1997	9100	1997	337
30913	1997	9100	1998	396
30913	1997	9100	1999	344
30913	1997	9100	2000	287
30913	1997	9100	2001	327
30913	1997	9100	2002	331
30913	1997	9100	2003	373
30942	2001	3500	1994	1
30942	2001	3500	1995	22
30942	2001	3500	1996	183
30942	2001	3500	1997	226
30942	2001	3500	1998	134
30942	2001	3500	1999	211
30942	2001	3500	2000	104
30942	2001	3500	2001	158
30942	2001	3500	2002	255
30942	2001	3500	2003	221
30950	2000	2270	1996	144
30950	2000	2270	1997	125
30950	2000	2270	1998	95
30950	2000	2270	1999	228
30950	2000	2270	2000	171
30950	2000	2270	2001	1537
30950	2000	2270	2002	135
30950	2000	2270	2003	145
31007	2001	22700	1996	166
31007	2001	22700	1997	88
31007	2001	22700	1998	83
31007	2001	22700	1999	142
31007	2001	22700	2000	67
31007	2001	22700	2001	376
31007	2001	22700	2002	362
31007	2001	22700	2003	408
31094	2000	2270	1994	180
31094	2000	2270	1995	113
31094	2000	2270	1996	245
31094	2000	2270	1997	144
31094	2000	2270	1998	231
31094	2000	2270	1999	251
31094	2000	2270	2000	209
31094	2000	2270	2001	206
31094	2000	2270	2002	218
31094	2000	2270	2003	164

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
31160	1996	4550	1994	117
31160	1996	4550	1995	155
31160	1996	4550	1996	136
31160	1996	4550	1997	144
31160	1996	4550	1998	130
31160	1996	4550	1999	114
31160	1996	4550	2000	83
31160	1996	4550	2001	115
31160	1996	4550	2002	120
31160	1996	4550	2003	115
31251	1999	1000	1994	96
31251	1999	1000	1995	124
31251	1999	1000	1996	102
31251	1999	1000	1997	112
31251	1999	1000	1998	111
31251	1999	1000	1999	91
31251	1999	1000	2000	81
31251	1999	1000	2001	84
31251	1999	1000	2002	95
31251	1999	1000	2003	100
31631	1998	4500	1994	185
31631	1998	4500	1995	264
31631	1998	4500	1996	280
31631	1998	4500	1997	268
31631	1998	4500	1998	258
31631	1998	4500	1999	217
31631	1998	4500	2000	230
31631	1998	4500	2001	193
31631	1998	4500	2002	208
31631	1998	4500	2003	557
33884	1996	23000	1994	266
33884	1996	23000	1995	374
33884	1996	23000	1996	420
33884	1996	23000	1997	497
33884	1996	23000	1998	434
33884	1996	23000	1999	348
33884	1996	23000	2000	429
33884	1996	23000	2001	455
33884	1996	23000	2002	380
33884	1996	23000	2003	410
34102	2002	1800	1994	189
34102	2002	1800	1995	163
34102	2002	1800	1996	168
34102	2002	1800	1997	185
34102	2002	1800	1998	121
34102	2002	1800	1999	159
34102	2002	1800	2000	326
34102	2002	1800	2001	328
34102	2002	1800	2002	271
34102	2002	1800	2003	235
34161	1996	4500	1994	149
34161	1996	4500	1995	202
34161	1996	4500	1996	149
34161	1996	4500	1997	192
34161	1996	4500	1998	141

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
34161	1996	4500	1999	212
34161	1996	4500	2000	205
34161	1996	4500	2001	290
34161	1996	4500	2002	224
34161	1996	4500	2003	87
34728	1996	12000	1994	96
34728	1996	12000	1995	186
34728	1996	12000	1996	166
34728	1996	12000	1997	286
34728	1996	12000	1998	201
34728	1996	12000	1999	214
34728	1996	12000	2000	233
34728	1996	12000	2001	227
34728	1996	12000	2002	255
34728	1996	12000	2003	302
35190	2000	22730	1994	224
35190	2000	22730	1995	225
35190	2000	22730	1996	275
35190	2000	22730	1997	233
35190	2000	22730	1998	313
35190	2000	22730	1999	314
35190	2000	22730	2000	331
35190	2000	22730	2001	343
35190	2000	22730	2002	459
35190	2000	22730	2003	425
40095	2001	1050	1994	90
40095	2001	1050	1995	137
40095	2001	1050	1996	82
40095	2001	1050	1997	95
40095	2001	1050	1998	68
40095	2001	1050	1999	69
40095	2001	1050	2000	59
40095	2001	1050	2001	75
40095	2001	1050	2002	93
40095	2001	1050	2003	171
40319	1999	1100	1994	289
40319	1999	1100	1995	253
40319	1999	1100	1996	254
40319	1999	1100	1997	237
40319	1999	1100	1998	248
40319	1999	1100	1999	254
40319	1999	1100	2000	293
40319	1999	1100	2001	326
40319	1999	1100	2002	418
40319	1999	1100	2003	452
41011	1999	1500	1994	384
41011	1999	1500	1995	549
41011	1999	1500	1996	446
41011	1999	1500	1997	531
41011	1999	1500	1998	417
41011	1999	1500	1999	397
41011	1999	1500	2000	389
41011	1999	1500	2001	435
41011	1999	1500	2002	421

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
41011	1999	1500	2003	351
42684	1996	200	1994	258
42684	1996	200	1995	343
42684	1996	200	1996	314
42684	1996	200	1997	368
42684	1996	200	1998	367
42684	1996	200	1999	276
42684	1996	200	2000	247
42684	1996	200	2001	304
42684	1996	200	2002	306
42684	1996	200	2003	254
46050	2002	99	1994	240
46050	2002	99	1995	289
46050	2002	99	1996	402
46050	2002	99	1997	349
46050	2002	99	1998	362
46050	2002	99	1999	347
46050	2002	99	2000	320
46050	2002	99	2001	438
46050	2002	99	2002	396
46050	2002	99	2003	421
52303	1999	11350	1994	151
52303	1999	11350	1995	274
52303	1999	11350	1996	298
52303	1999	11350	1997	326
52303	1999	11350	1998	273
52303	1999	11350	1999	180
52303	1999	11350	2000	84
52303	1999	11350	2001	135
52303	1999	11350	2002	246
52303	1999	11350	2003	390
52326	2002	15000	1996	0
52326	2002	15000	1997	0
52326	2002	15000	1998	0
52326	2002	15000	1999	0
52326	2002	15000	2000	10
52326	2002	15000	2001	160
52326	2002	15000	2002	355
52326	2002	15000	2003	277
53589	1999	11800	1994	135
53589	1999	11800	1995	241
53589	1999	11800	1996	252
53589	1999	11800	1997	289
53589	1999	11800	1998	228
53589	1999	11800	1999	232
53589	1999	11800	2000	125
53589	1999	11800	2001	197
53589	1999	11800	2002	286
53589	1999	11800	2003	247
55004	1996	1000	1995	68
55004	1996	1000	1996	122
55004	1996	1000	1997	169
55004	1996	1000	1998	166
55004	1996	1000	1999	197

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
55004	1996	1000	2000	348
55004	1996	1000	2001	193
55004	1996	1000	2002	21
55004	1996	1000	2003	316
55069	1999	750	1995	218
55069	1999	750	1996	151
55069	1999	750	1997	144
55069	1999	750	1998	124
55069	1999	750	1999	134
55069	1999	750	2000	127
55069	1999	750	2001	164
55069	1999	750	2002	153
55069	1999	750	2003	154
55088	1997	23000	1995	36
55088	1997	23000	1996	44
55088	1997	23000	1997	350
55088	1997	23000	1998	332
55088	1997	23000	1999	264
55088	1997	23000	2000	224
55088	1997	23000	2001	304
55088	1997	23000	2002	265
55088	1997	23000	2003	154
60912	1999	500	1995	196
60912	1999	500	1996	222
60912	1999	500	1997	262
60912	1999	500	1998	216
60912	1999	500	1999	202
60912	1999	500	2000	138
60912	1999	500	2001	147
60912	1999	500	2002	243
60912	1999	500	2003	234
61285	2001	1100	1994	185
61285	2001	1100	1995	203
61285	2001	1100	1996	174
61285	2001	1100	1997	170
61285	2001	1100	1998	267
61285	2001	1100	1999	201
61285	2001	1100	2000	171
61285	2001	1100	2001	179
61285	2001	1100	2002	156
61285	2001	1100	2003	231
61820	1996	45000	1995	238
61820	1996	45000	1996	344
61820	1996	45000	1997	0
61820	1996	45000	1998	1
61820	1996	45000	1999	1
61820	1996	45000	2000	0
61820	1996	45000	2001	25
61820	1996	45000	2002	67
61820	1996	45000	2003	0
64100	2002	908	1994	266
64100	2002	908	1995	388
64100	2002	908	1996	290
64100	2002	908	1997	376

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
64100	2002	908	1998	285
64100	2002	908	1999	222
64100	2002	908	2000	187
64100	2002	908	2001	267
64100	2002	908	2002	347
64100	2002	908	2003	418
66043	1999	2270	1994	302
66043	1999	2270	1995	564
66043	1999	2270	1996	342
66043	1999	2270	1997	451
66043	1999	2270	1998	341
66043	1999	2270	1999	338
66043	1999	2270	2000	227
66043	1999	2270	2001	372
66043	1999	2270	2002	466
66043	1999	2270	2003	404
67125	1997	9100	1997	442
67125	1997	9100	1998	418
67125	1997	9100	1999	452
67125	1997	9100	2000	387
67125	1997	9100	2001	365
67125	1997	9100	2002	251
67125	1997	9100	2003	539
67221	2000	5900	1995	93
67221	2000	5900	1996	334
67221	2000	5900	1997	257
67221	2000	5900	1998	230
67221	2000	5900	1999	191
67221	2000	5900	2000	185
67221	2000	5900	2001	189
67221	2000	5900	2002	426
67221	2000	5900	2003	420
67438	1998	2250	1995	22
67438	1998	2250	1996	130
67438	1998	2250	1997	243
67438	1998	2250	1998	255
67438	1998	2250	1999	249
67438	1998	2250	2000	205
67438	1998	2250	2001	202
67438	1998	2250	2002	282
67438	1998	2250	2003	228
67519	2000	550	1994	167
67519	2000	550	1995	201
67519	2000	550	1996	172
67519	2000	550	1997	305
67519	2000	550	1998	191
67519	2000	550	1999	114
67519	2000	550	2000	137
67519	2000	550	2001	144
67519	2000	550	2002	172
67519	2000	550	2003	108
67677	2002	6550	1994	309
67677	2002	6550	1995	561
67677	2002	6550	1996	267

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
67677	2002	6550	1997	160
67677	2002	6550	1998	163
67677	2002	6550	1999	150
67677	2002	6550	2000	148
67677	2002	6550	2001	217
67677	2002	6550	2002	173
67677	2002	6550	2003	12
68537	1996	23000	1994	132
68537	1996	23000	1995	242
68537	1996	23000	1996	220
68537	1996	23000	1997	103
68537	1996	23000	1998	24
68537	1996	23000	1999	9
68537	1996	23000	2000	29
68537	1996	23000	2001	63
68537	1996	23000	2002	109
68537	1996	23000	2003	47
69168	1997	425	1995	236
69168	1997	425	1996	238
69168	1997	425	1997	237
69168	1997	425	1998	171
69168	1997	425	1999	104
69168	1997	425	2000	65
69168	1997	425	2001	193
69168	1997	425	2002	296
69168	1997	425	2003	220
69621	2001	1000	1994	201
69621	2001	1000	1995	362
69621	2001	1000	1996	196
69621	2001	1000	1997	224
69621	2001	1000	1998	106
69621	2001	1000	1999	86
69621	2001	1000	2000	35
69621	2001	1000	2001	53
69621	2001	1000	2002	117
69621	2001	1000	2003	88
69852	2001	454	1994	210
69852	2001	454	1995	327
69852	2001	454	1996	334
69852	2001	454	1997	325
69852	2001	454	1998	179
69852	2001	454	1999	166
69852	2001	454	2000	150
69852	2001	454	2001	144
69852	2001	454	2002	186
69852	2001	454	2003	211
70028	1999	550	1994	476
70028	1999	550	1995	245
70028	1999	550	1996	408
70028	1999	550	1997	305
70028	1999	550	1998	164
70028	1999	550	1999	147
70028	1999	550	2000	137
70028	1999	550	2001	150

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
70028	1999	550	2002	208
70028	1999	550	2003	563
70144	1996	4500	1994	152
70144	1996	4500	1995	421
70144	1996	4500	1996	277
70144	1996	4500	1997	472
70144	1996	4500	1998	138
70144	1996	4500	1999	165
70144	1996	4500	2000	291
70144	1996	4500	2001	415
70144	1996	4500	2002	511
70144	1996	4500	2003	301
70972	1996	500	1994	64
70972	1996	500	1995	103
70972	1996	500	1996	252
70972	1996	500	1997	410
70972	1996	500	1998	405
70972	1996	500	1999	266
70972	1996	500	2000	217
70972	1996	500	2001	395
70972	1996	500	2002	343
70972	1996	500	2003	254
71091	1999	2270	1994	131
71091	1999	2270	1995	147
71091	1999	2270	1996	138
71091	1999	2270	1997	160
71091	1999	2270	1998	159
71091	1999	2270	1999	155
71091	1999	2270	2000	180
71091	1999	2270	2001	204
71091	1999	2270	2002	181
71091	1999	2270	2003	207
71548	1996	18000	1995	66
71548	1996	18000	1996	100
71548	1996	18000	1997	195
71548	1996	18000	1998	138
71548	1996	18000	1999	43
71548	1996	18000	2000	103
71548	1996	18000	2001	96
71548	1996	18000	2002	119
71548	1996	18000	2003	301
72154	1999	340	1994	219
72154	1999	340	1995	319
72154	1999	340	1996	199
72154	1999	340	1997	143
72154	1999	340	1998	152
72154	1999	340	1999	134
72154	1999	340	2000	110
72154	1999	340	2001	130
72154	1999	340	2002	178
72154	1999	340	2003	163
72761	1997	?	1997	112
72761	1997	?	1998	180
72761	1997	?	1999	107

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
72761	1997	?	2000	112
72761	1997	?	2001	106
72761	1997	?	2002	108
72761	1997	?	2003	102
74132	1998	200	1994	230
74132	1998	200	1995	312
74132	1998	200	1996	263
74132	1998	200	1997	231
74132	1998	200	1998	235
74132	1998	200	1999	192
74132	1998	200	2000	186
74132	1998	200	2001	259
74132	1998	200	2002	326
74132	1998	200	2003	258
74491	1999	22700	1999	156
74491	1999	22700	2000	351
74491	1999	22700	2001	542
74491	1999	22700	2002	519
74491	1999	22700	2003	469
76033	2000	150	1996	169
76033	2000	150	1997	181
76033	2000	150	1998	143
76033	2000	150	1999	169
76033	2000	150	2000	169
76033	2000	150	2001	197
76033	2000	150	2002	219
76033	2000	150	2003	208
76539	1999	682	1994	191
76539	1999	682	1995	213
76539	1999	682	1996	188
76539	1999	682	1997	226
76539	1999	682	1998	229
76539	1999	682	1999	213
76539	1999	682	2000	164
76539	1999	682	2001	210
76539	1999	682	2002	277
76539	1999	682	2003	361
76918	2001	4500	2000	351
76918	2001	4500	2001	295
76918	2001	4500	2002	305
76918	2001	4500	2003	307
77400	2000	200	1995	242
77400	2000	200	1996	196
77400	2000	200	1997	479
77400	2000	200	1998	448
77400	2000	200	1999	399
77400	2000	200	2000	223
77400	2000	200	2001	474
77400	2000	200	2002	526
77400	2000	200	2003	240
77633	1999	720	1995	257
77633	1999	720	1996	238
77633	1999	720	1997	204
77633	1999	720	1998	153

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
77633	1999	720	1999	177
77633	1999	720	2000	229
77633	1999	720	2001	281
77633	1999	720	2002	271
77633	1999	720	2003	301
78034	2000	13500	1995	267
78034	2000	13500	1996	262
78034	2000	13500	1997	329
78034	2000	13500	1998	255
78034	2000	13500	1999	232
78034	2000	13500	2000	165
78034	2000	13500	2001	199
78034	2000	13500	2002	472
78034	2000	13500	2003	299
78463	1999	4620	1999	274
78463	1999	4620	2000	77
78463	1999	4620	2001	119
78463	1999	4620	2002	122
78463	1999	4620	2003	331
80942	2000	1125	1997	100
80942	2000	1125	1998	140
80942	2000	1125	1999	208
80942	2000	1125	2000	200
80942	2000	1125	2001	216
80942	2000	1125	2002	251
80942	2000	1125	2003	275
80958	2000	200	1995	61
80958	2000	200	1996	185
80958	2000	200	1997	294
80958	2000	200	1998	106
80958	2000	200	1999	211
80958	2000	200	2000	110
80958	2000	200	2001	139
80958	2000	200	2002	117
80958	2000	200	2003	491
81024	1999	1816	1999	111
81024	1999	1816	2000	215
81024	1999	1816	2001	227
81024	1999	1816	2002	253
81024	1999	1816	2003	237
81041	1998	4000	1996	171
81041	1998	4000	1997	142
81041	1998	4000	1998	146
81041	1998	4000	1999	153
81041	1998	4000	2000	130
81041	1998	4000	2001	153
81041	1998	4000	2002	156
81041	1998	4000	2003	149
81075	2000	2200	1996	224
81075	2000	2200	1997	285
81075	2000	2200	1998	239
81075	2000	2200	1999	251
81075	2000	2200	2000	230
81075	2000	2200	2001	226

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
81075	2000	2200	2002	255
81075	2000	2200	2003	213
81293	2001	34050	2000	181
81293	2001	34050	2001	458
81293	2001	34050	2002	510
81293	2001	34050	2003	621
81713	1998	550	1995	56
81713	1998	550	1996	194
81713	1998	550	1997	258
81713	1998	550	1998	212
81713	1998	550	1999	180
81713	1998	550	2000	153
81713	1998	550	2001	220
81713	1998	550	2002	209
81713	1998	550	2003	212
81722	2000	2270	1995	209
81722	2000	2270	1996	234
81722	2000	2270	1997	292
81722	2000	2270	1998	242
81722	2000	2270	1999	232
81722	2000	2270	2000	234
81722	2000	2270	2001	266
81722	2000	2270	2002	257
81722	2000	2270	2003	305
82144	2002	10478	1995	45
82144	2002	10478	1996	254
82144	2002	10478	1997	252
82144	2002	10478	1998	251
82144	2002	10478	1999	251
82144	2002	10478	2000	208
82144	2002	10478	2001	259
82144	2002	10478	2002	214
82144	2002	10478	2003	122
82842	1998	1050	1994	115
82842	1998	1050	1995	374
82842	1998	1050	1996	264
82842	1998	1050	1997	265
82842	1998	1050	1998	256
82842	1998	1050	1999	240
82842	1998	1050	2000	294
82842	1998	1050	2001	310
82842	1998	1050	2002	361
82842	1998	1050	2003	294
82960	2000	1350	1995	395
82960	2000	1350	1996	338
82960	2000	1350	1997	256
82960	2000	1350	1998	274
82960	2000	1350	1999	217
82960	2000	1350	2000	241
82960	2000	1350	2001	269
82960	2000	1350	2002	332
82960	2000	1350	2003	298
83586	1999	4500	1996	165
83586	1999	4500	1997	168

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
83586	1999	4500	1998	189
83586	1999	4500	1999	178
83586	1999	4500	2000	200
83586	1999	4500	2001	231
83586	1999	4500	2002	206
83586	1999	4500	2003	210
83595	1999	360	1998	291
83595	1999	360	1999	220
83595	1999	360	2000	150
83595	1999	360	2001	255
83595	1999	360	2002	276
83595	1999	360	2003	254
83753	1999	3200	1996	271
83753	1999	3200	1997	272
83753	1999	3200	1998	412
83753	1999	3200	1999	293
83753	1999	3200	2000	107
83753	1999	3200	2001	259
83753	1999	3200	2002	335
83753	1999	3200	2003	359
84118	1996	4500	1996	110
84118	1996	4500	1997	310
84118	1996	4500	1998	270
84118	1996	4500	1999	202
84118	1996	4500	2000	197
84118	1996	4500	2001	316
84118	1996	4500	2002	349
84118	1996	4500	2003	245
84138	1999	16800	1998	142
84138	1999	16800	1999	253
84138	1999	16800	2000	186
84138	1999	16800	2001	135
84138	1999	16800	2002	164
84138	1999	16800	2003	121
84335	1996	1350	1996	154
84335	1996	1350	1997	175
84335	1996	1350	1998	143
84335	1996	1350	1999	146
84335	1996	1350	2000	133
84335	1996	1350	2001	127
84335	1996	1350	2002	159
84335	1996	1350	2003	131
84350	1996	550	1996	154
84350	1996	550	1997	208
84350	1996	550	1998	190
84350	1996	550	1999	252
84350	1996	550	2000	225
84350	1996	550	2001	299
84350	1996	550	2002	208
84350	1996	550	2003	241
84630	1999	450	1998	131
84630	1999	450	1999	137
84630	1999	450	2000	127
84630	1999	450	2001	152

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
84630	1999	450	2002	160
84630	1999	450	2003	148
84818	1996	22500	1997	193
84818	1996	22500	1998	209
84818	1996	22500	1999	151
84818	1996	22500	2000	142
84818	1996	22500	2001	34
84818	1996	22500	2002	238
84818	1996	22500	2003	182
85020	2002	10000	2002	41
85020	2002	10000	2003	196
85384	2001	9080	2000	27
85384	2001	9080	2001	215
85384	2001	9080	2002	210
85384	2001	9080	2003	280
86290	1999	1350	1999	171
86290	1999	1350	2000	129
86290	1999	1350	2001	148
86290	1999	1350	2002	157
86290	1999	1350	2003	144
86423	1999	1100	1997	135
86423	1999	1100	1998	173
86423	1999	1100	1999	126
86423	1999	1100	2000	201
86423	1999	1100	2001	277
86423	1999	1100	2002	399
86423	1999	1100	2003	354
86526	1996	454	1996	128
86526	1996	454	1997	243
86526	1996	454	1998	217
86526	1996	454	1999	185
86526	1996	454	2000	172
86526	1996	454	2001	199
86526	1996	454	2002	217
86526	1996	454	2003	214
87202	1999	18000	2000	74
87202	1999	18000	2001	112
87202	1999	18000	2002	135
87202	1999	18000	2003	141
88415	2000	22500	2000	49
88415	2000	22500	2001	150
88415	2000	22500	2002	339
88415	2000	22500	2003	256
88447	1997	450	1997	295
88447	1997	450	1998	248
88447	1997	450	1999	314
88447	1997	450	2000	215
88447	1997	450	2001	207
88447	1997	450	2002	356
88447	1997	450	2003	743
88569	2001	4698.9	1998	191
88569	2001	4698.9	1999	243
88569	2001	4698.9	2000	332
88569	2001	4698.9	2001	249

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
88569	2001	4698.9	2002	99
88569	2001	4698.9	2003	105
89501	2002	1500	1999	351
89501	2002	1500	2000	306
89501	2002	1500	2001	334
89501	2002	1500	2002	260
89501	2002	1500	2003	201
90262	1997	22500	1998	364
90262	1997	22500	1999	372
90262	1997	22500	2000	410
90262	1997	22500	2001	532
90262	1997	22500	2002	542
90262	1997	22500	2003	391
90450	1997	22500	1994	0
90450	1997	22500	1995	0
90450	1997	22500	1996	0
90450	1997	22500	1997	192
90450	1997	22500	1998	410
90450	1997	22500	1999	454
90450	1997	22500	2000	350
90450	1997	22500	2001	779
90450	1997	22500	2002	784
90450	1997	22500	2003	577
91406	1997	1365	1994	124
91406	1997	1365	1995	192
91406	1997	1365	1996	169
91406	1997	1365	1997	174
91406	1997	1365	1998	155
91406	1997	1365	1999	135
91406	1997	1365	2000	146
91406	1997	1365	2001	158
91406	1997	1365	2002	171
91406	1997	1365	2003	88
91919	1999	1500	1998	304
91919	1999	1500	1999	278
91919	1999	1500	2000	240
91919	1999	1500	2001	133
91919	1999	1500	2002	83
91919	1999	1500	2003	76
92900	2000	4500	2000	8
92900	2000	4500	2001	271
92900	2000	4500	2002	141
92900	2000	4500	2003	172
92945	1998	9100	1994	364
92945	1998	9100	1995	340
92945	1998	9100	1996	365
92945	1998	9100	1997	421
92945	1998	9100	1998	451
92945	1998	9100	1999	447
92945	1998	9100	2000	403
92945	1998	9100	2001	306
92945	1998	9100	2002	410
92945	1998	9100	2003	176
96559	1999	2000	1998	132

Property Number	Year Tank Installed	Tank Size (L)	Consumption Year	Annual Consumption (KL)
96559	1999	2000	1999	284
96559	1999	2000	2000	390
96559	1999	2000	2001	481
96559	1999	2000	2002	428
96559	1999	2000	2003	383
97176	1999	45000	2001	84
97176	1999	45000	2002	102
97176	1999	45000	2003	62
97222	1999	2250	2000	283
97222	1999	2250	2001	244
97222	1999	2250	2002	228
97222	1999	2250	2003	252
97733	2001	4540	2000	194
97733	2001	4540	2001	331
97733	2001	4540	2002	353
97733	2001	4540	2003	338
98097	1999	727	2000	143
98097	1999	727	2001	200
98097	1999	727	2002	207
98097	1999	727	2003	408
99106	1999	10000	1999	145
99106	1999	10000	2000	142
99106	1999	10000	2001	117
99106	1999	10000	2002	183
99106	1999	10000	2003	336
99919	2000	45400	1997	56
99919	2000	45400	1998	229
99919	2000	45400	1999	341
99919	2000	45400	2000	394
99919	2000	45400	2001	474
99919	2000	45400	2002	605
99919	2000	45400	2003	923
100045	1999	900	2000	170
100045	1999	900	2001	200
100045	1999	900	2002	203
100045	1999	900	2003	249
101389	1999	900	2000	174
101389	1999	900	2001	177
101389	1999	900	2002	231
101389	1999	900	2003	189
103372	2001	200	2001	72
103372	2001	200	2002	83
103372	2001	200	2003	71



Appendix D

ANOVA Results

Deterioration Versus Water Quality

Anova: Single Factor Conductivity

SUMMARY

Groups	Count	Sum	Average	Variance
No Deterioration	42	2803	66.7381	2232.393
Deterioration	6	469	78.16667	4427.367

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	685.714286	1	685.7143	0.277507	0.600871	4.051742
Within Groups	113664.952	46	2470.977			
Total	114350.667	47				

Anova: Single Factor TDS

SUMMARY

Groups	Count	Sum	Average	Variance
No Deterioration	42	1533	36.5	670.2561
Deterioration	6	257	42.83333	1332.167

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	210.583333	1	210.5833	0.283727	0.596832	4.051742
Within Groups	34141.3333	46	742.2029			
Total	34351.9167	47				

Anova: Single Factor pH

SUMMARY

Groups	Count	Sum	Average	Variance
No Deterioration	81	524	6.469136	1.37866
Deterioration	11	78.3	7.118182	1.517636

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	4.0798186	1	4.079819	2.926484	0.090582	3.946866
Within Groups	125.469203	90	1.394102			
Total	129.549022	91				

Anova: Single Factor Total Coliforms

SUMMARY

Groups	Count	Sum	Average	Variance
No Deterioration	81	30983	382.5062	373129.2
Deterioration	11	3057	277.9091	502112.9

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	105956.844	1	105956.8	0.273465	0.602302	3.946866
Within Groups	34871465.2	90	387460.7			
Total	34977422	91				

Anova: Single Factor E.coli

SUMMARY

Groups	Count	Sum	Average	Variance
No Deterioration	81	730	9.012346	2998.212
Deterioration	11	8	0.727273	4.418182

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	664.787049	1	664.787	0.249398	0.618718	3.946866
Within Groups	239901.169	90	2665.569			
Total	240565.957	91				

First Flush Versus Water Quality

Anova: Single Factor Total Coliforms

SUMMARY

Groups	Count	Sum	Average	Variance
No FF	68	25462	374.4412	424238
FF	24	8578	357.4167	284710.3

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	5141.402	1	5141.402	0.013231	0.90868	3.946866
Within Groups	34972281	90	388580.9			
Total	34977422	91				

Anova: Single Factor E.coli

SUMMARY

Groups	Count	Sum	Average	Variance
No FF	68	186	2.735294	68.67515
FF	24	552	23	9942.609

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	7284.721	1	7284.721	2.810449	0.097123	3.946866
Within Groups	233281.2	90	2592.014			
Total	240566	91				

Anova: Single Factor pH

SUMMARY

Groups	Count	Sum	Average	Variance
pH No FF	68	444.4	6.535294	1.502915
pH FF	24	157.9	6.579167	1.253025

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	0.034144	1	0.034144	0.023727	0.877927	3.946866
Within Groups	129.5149	90	1.439054			
Total	129.549	91				

Anova: Single Factor TDS

SUMMARY

Groups	Count	Sum	Average	Variance
TDS No FF	31	1140	36.77419	571.6473
TDS FF	17	650	38.23529	1073.691

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	23.43849	1	23.43849	0.031407	0.860112	4.051742
Within Groups	34328.48	46	746.2713			
Total	34351.92	47				

Anova: Single Factor Conductivity

SUMMARY

Groups	Count	Sum	Average	Variance
No FF	25	1766	70.64	2240.74
FF	17	1186	69.76471	3561.691

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	7.752605	1	7.752605	0.0028	0.958066	4.08474
Within Groups	110764.8	40	2769.12			
Total	110772.6	41				

Inlet Screen Versus Water Quality

Anova: Single Factor Conductivity

SUMMARY

Groups	Count	Sum	Average	Variance
0	30	1831	61.03333	957.7575
0.25	9	849	94.33333	6845.25
0.5	3	161	53.66667	242.3333
0.75	1	34	34	#DIV/0!

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	9413.5295	3	3137.843	1.474024	0.23654	2.84507
Within Groups	83021.633	39	2128.76			
Total	92435.163	42				

Anova: Single Factor TDS

SUMMARY

Groups	Count	Sum	Average	Variance
0	30	1000	33.33333	283.4713
0.25	9	465	51.66667	2072.25
0.5	3	88	29.33333	72.33333
0.75	1	19	19	#DIV/0!

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	2831.2713	3	943.7571	1.475606	0.236115	2.84507
Within Groups	24943.333	39	639.5726			
Total	27774.605	42				

Anova: Single Factor pH

SUMMARY

Groups	Count	Sum	Average	Variance
0	40	256.2	6.405	1.265103
0.25	34	229.5	6.75	1.673485
0.5	10	62.6	6.26	1.791556
0.75	1	6.6	6.6	#DIV/0!

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	3.0042353	3	1.001412	0.6721	0.571615	2.717343
Within Groups	120.688	81	1.489975			
Total	123.69224	84				

Anova: Single Factor Total Coliforms

SUMMARY

Groups	Count	Sum	Average	Variance
0	40	17776	444.4	437547.2
0.25	34	10295	302.7941	340730
0.5	10	5192	519.2	595206.4
0.75	1	240	240	#DIV/0!

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	564900.25	3	188300.1	0.453057	0.715842	2.717343
Within Groups	33665287	81	415620.8			
Total	34230187	84				

Anova: Single Factor E.coli

SUMMARY

Groups	Count	Sum	Average	Variance
0	40	581	14.525	6004.717
0.25	34	108	3.176471	81.11943
0.5	10	31	3.1	66.32222
0.75	1	10	10	#DIV/0!

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	2708.7721	3	902.924	0.307999	0.819535	2.717343
Within Groups	237457.82	81	2931.578			
Total	240166.59	84				

Materials Vs Water Quality

Anova: Single Factor Total Coliforms

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	8	289	36.125	4784.696
Column 2	8	2645	330.625	180142.8
Column 3	31	11649	375.7742	382373.4
Column 4	33	13058	395.697	431056.1

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	879036.8484	3	293012.3	0.838455	0.476959	2.724946
Within Groups	26559491.14	76	349467			
Total	27438527.99	79				

Anova: Single Factor pH

SUMMARY

Groups	Count	Sum	Average	Variance
Concrete	8	73	9.125	1.410714
Fibreglass	8	43.8	5.475	5.287857
Galvanised	31	196	6.322581	0.427806
Polyethylene	30	186.5	6.216667	0.612471

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	66.89543849	3	22.29848	21.00756	6.49E-10	2.730019
Within Groups	77.48586022	73	1.06145			
Total	144.3812987	76				

Anova: Single Factor Conductivity

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SUMMARY

Groups	Count	Sum	Average	Variance
Concrete	2	203	101.5	2812.5
Fibreglass	6	605	100.8333	1118.167
Galvanised	15	810	54	1939.857
Polyethylene	17	1101	64.76471	1424.816

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	11830.58284	3	3943.528	2.432675	0.080842	2.866265
Within Groups	58358.39216	36	1621.066			
Total	70188.975	39				

Anova: Single Factor TDS

SUMMARY

Groups	Count	Sum	Average	Variance
Concrete	2	111	55.5	840.5
Fibreglass	6	333	55.5	339.5
Galvanised	15	439	29.26667	566.9238
Polyethylene	17	603	35.47059	434.2647

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	3673.931373	3	1224.644	2.530377	0.072503	2.866265
Within Groups	17423.16863	36	483.9769			
Total	21097.1	39				

Anova: Single Factor pH concrete and fibreglass

SUMMARY

Groups	Count	Sum	Average	Variance
Concrete	8	73	9.125	1.410714
Fibreglass	8	43.8	5.475	5.287857

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	53.29	1	53.29	15.91086	0.001345	4.600111
Within Groups	46.89	14	3.349286			
Total	100.18	15				

Deterioration VS Owner

Anova: Single Factor Conductivity

SUMMARY

Groups	Count	Sum	Average	Variance
Original Owner	46	3137	68.19565	2541.005
New Owner	2	135	67.5	4.5

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	0.927536	1	0.927536	0.000373	0.984672	4.051742
Within Groups	114349.7	46	2485.864			
Total	114350.7	47				

Anova: Single Factor TDS

SUMMARY

Groups	Count	Sum	Average	Variance
Original Owner	46	1716	37.30435	763.3275
New Owner	2	74	37	2

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	0.177536	1	0.177536	0.000238	0.987765	4.051742
Within Groups	34351.74	46	746.7769			
Total	34351.92	47				

Anova: Single Factor pH

SUMMARY

Groups	Count	Sum	Average	Variance
Original Owner	87	569.1	6.541379	1.477803
New Owner	5	33.2	6.64	0.603

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	0.045987	1	0.045987	0.03196	0.858518	3.946866
Within Groups	129.503	90	1.438923			
Total	129.549	91				

Anova: Single Factor Total coliforms

SUMMARY

Groups	Count	Sum	Average	Variance
Original Owner	87	29757	342.0345	353154.6
New Owner	5	4283	856.6	838547.8

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	1251938	1	1251938	3.340928	0.07089	3.946866
Within Groups	33725484	90	374727.6			
Total	34977422	91				

Anova: Single Factor E.coli

SUMMARY

Groups	Count	Sum	Average	Variance
Original Owner	87	244	2.804598	66.1823
New Owner	5	494	98.8	47825.7

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	43571.48	1	43571.48	19.90631	2.35E-05	3.946866
Within Groups	196994.5	90	2188.828			
Total	240566	91				