

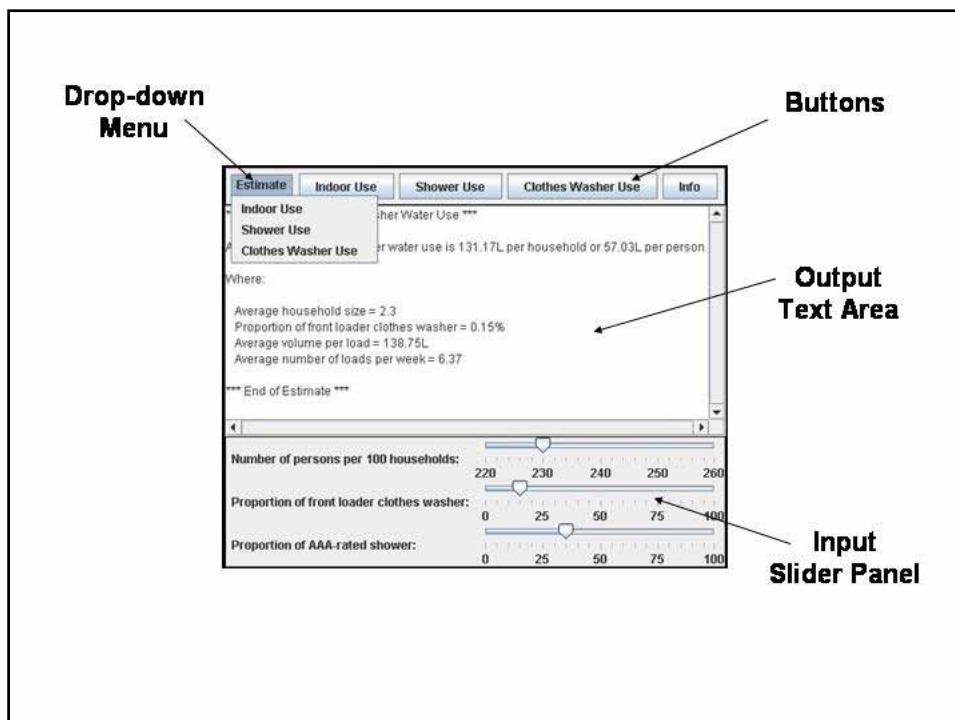
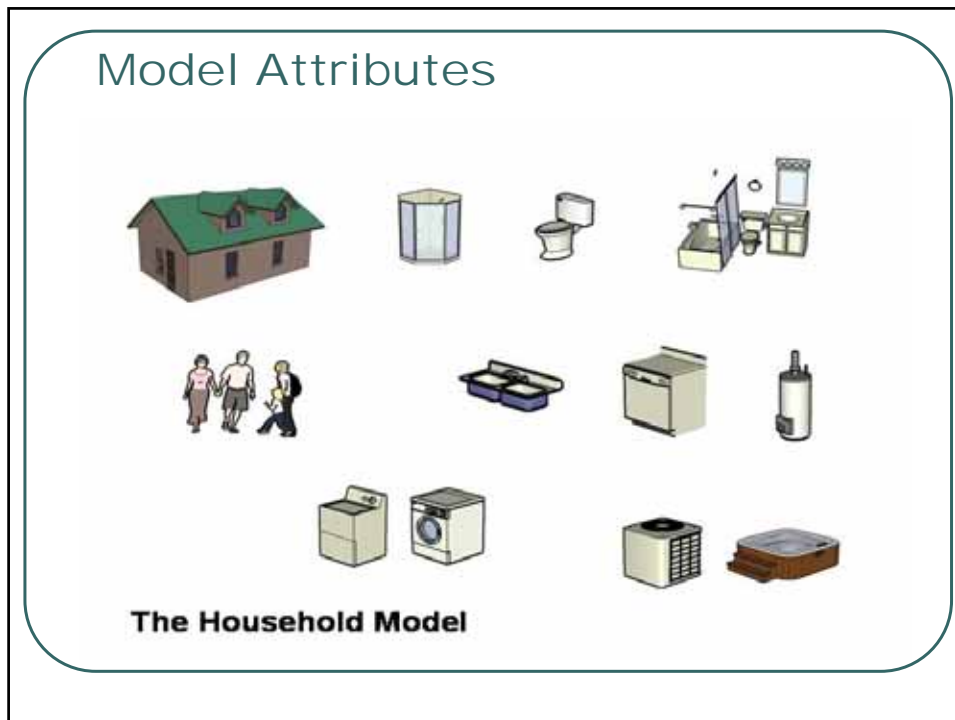
*Estimating Residential
Indoor Water Use; An
Internet-enabled
Application*

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Background

- Part of the Research, Forecasting Urban Residential Water Use
- Based on End Use models
 - Daily Water Usage Data (from logged households)
 - Feb 2004 - 93 Households
 - Aug 2004 - 80 Households
 - Feb 2001 - 24 Households



Estimating Residential Indoor Water Use An Internet-enabled Application

Estimate
Indoor Use
Shower Use
Clothes Washer Use
Info

*** Estimate of Indoor Water Use ***

Average daily indoor water use is 404.02L per household or 175.66L per person

Where:

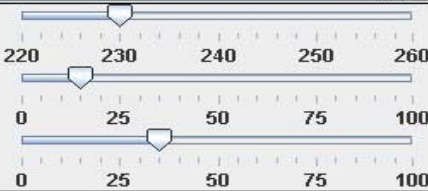
Average household size = 2.3
Proportion of front loader clothes washer = 15%
Proportion of AAA-rated shower = 35%

*** End of Estimate ***

Number of persons per 100 households:

Proportion of front loader clothes washer:

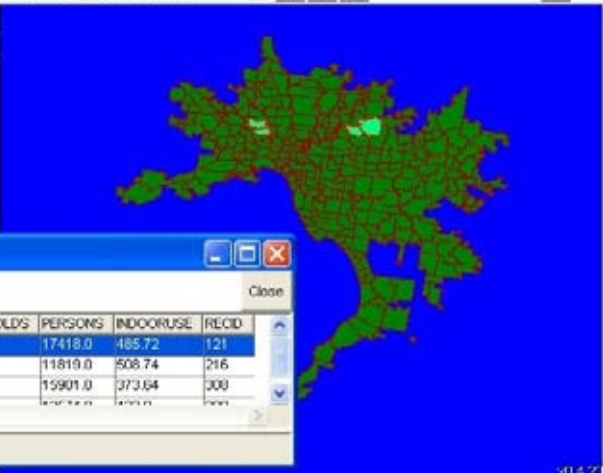
Proportion of AAA-rated shower:



A Demonstration Web-GIS for Zone Indoor Water Use

Melbourne Metro
General Map

Suburbs



NAME	HOUSEHOLDS	PERSONS	INDOORUSE	RECID
Essendon	7795.0	17418.0	485.72	121
Moonee Ponds	5540.0	11819.0	508.74	216
Templestowe	5474.0	15901.0	373.64	308

LOG
Selected features 4 [Suburbs]
145.55, -38.49
7km: 100 km

Demonstration

- [Local demonstration](#)
- [Website URL](#)

Acknowledgement

- Yarra Valley Water provided the data used in the research