

### How We Use Groundwater in Prince Edward Island

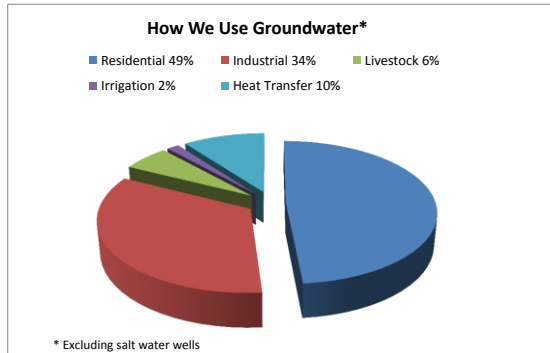
Type	Sub-Type	Water Use (m3/year)	Percentage of total fresh groundwater use*	Description/note	Data Source
Drinking water	Municipal residential	5,700,000	16.6%	Household use supplied by municipal central system	Municipal water and wastewater survey, municipal population
	Municipal industrial/commercial	5,600,000	16.3%	Industrial and commercial use supplied by municipal central system	Municipal water and wastewater survey, metering actual pumping
	Private central supply	1,000,000	2.9%	Small central supply, mostly for real estate, camp ground, park	Permit data
	Rural residential use	10,000,000	29.1%		Population, statistic data
Industrial	Food Processing	4,000,000	11.7%	Water is mostly for potato and seafood processing plants.	Actual use and waste water data, groundwater permit data,
	Car washing	100,000	0.3%		Actual metering from Charlottetown and statistics
	Fresh water for aquaculture	2,000,000	5.8%	Extraction of fresh groundwater for raising fish, and discharge water back to stream	From Groundwater Extraction Permit data.
Irrigation	Agriculture	400,000	1.2%		Metering actual pumping and survey data in 2014, Permit data
	Golf course	130,000	0.4%		Estimated from site visiting and survey in 2016.
Livestock		2,000,000	5.8%		Livestock head number and statistic data, literature data
Other fresh water use	Fire Protection	occasional use		Groundwater Permit rate about 4 million cubic meter per year	Groundwater Extraction and Exploration Permit data
	Heat Transfer	3,500,000	10.2%	No water consumption and no substantial change water quality	Groundwater Extraction and Exploration Permit data
<b>Total</b>		<b>34,330,000</b>	<b>100%</b>		

<b>Salt water for aquaculture</b>		5,000,000		Salt water for aquacultural and food processing purpose	Groundwater Extraction and Exploration Permit data
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### How We Use Groundwater\*

Residential 49%	16,700,000	49%
Industrial 34%	11,600,000	34%
Livestock 6%	2,000,000	6%
Irrigation 2%	530,000	2%
Heat Transfer 10%	3,500,000	10%
<b>Total</b>	<b>34,330,000</b>	<b>100%</b>

\*Excluding salt water wells



### Overall Groundwater Use

	Volume (m3/yr)	Percentage of Total Groundwater Recharge (%)
Total groundwater use (freshwater only)	34,330,000	1.4%
Total groundwater recharge	2,400,000,000	100.0%

