

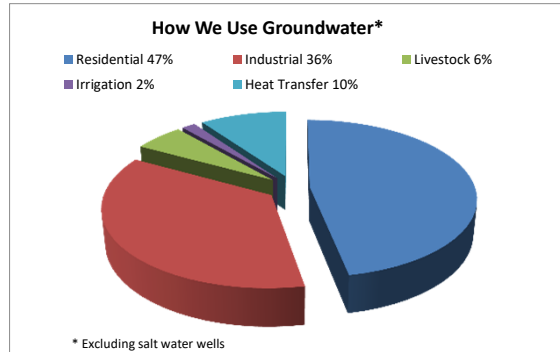
How We Use Groundwater in Prince Edward Island

Type	Sub-Type	Water Use (m ³ /year)	Percentage of Total Fresh Groundwater Use	Description/note	Data Source
Drinking water	Municipal residential	5,700,000	16.0%	Household use supplied by municipal central system	Municipal water and wastewater survey, municipal population
	Municipal industrial/commercial	5,600,000	15.7%	Industrial and commercial use supplied by municipal central system	Municipal water and wastewater survey, pumping records
	Private central supply	1,000,000	2.8%	Small central supply, mostly for real estate, camp ground, park	Permit data
	Rural residential use	10,000,000	28.0%		Population statistics
Industrial	Food processing	3,400,000	9.5%	Water is mostly for potato and seafood processing plants	Actual usage and waste water data, groundwater permit data
	Car washing	100,000	0.3%		Actual metering from Charlottetown and statistics
	Fresh water for aquaculture	3,800,000	10.6%	Extraction of fresh groundwater for raising fish, discharged to streams	From Groundwater Extraction Permit data.
	Other industrial uses	50,000	0.1%		
Irrigation	Agriculture	400,000	1.1%		Metering actual pumping and survey data, Permit data
	Golf course	160,000	0.4%		Estimated from site visits and survey in 2016
Livestock		2,000,000	5.6%		Livestock head numbers, 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	9.8%	No water consumption and no substantial change to water quality	Groundwater Extraction and Exploration Permit data
Total		35,710,000	100.0%		
Salt water for aquaculture		4,500,000		Salt water for aquacultural and food processing purposes	Groundwater Extraction and Exploration Permit data

How We Use Groundwater *

Type	Water Use (m ³ /year)	Percentage
Residential 47%	16,700,000	47%
Industrial 36%	12,800,000	36%
Livestock 6%	2,000,000	6%
Irrigation 2%	560,000	2%
Heat Transfer 10%	3,500,000	10%
Total	35,560,000	100%

*Excluding salt water wells



Overall Groundwater Use

	Volume (m ³ /yr)	Percentage of Total Groundwater Recharge
Total groundwater use (freshwater only)	35,710,000	1.5%
Total groundwater recharge	2,400,000,000	100%

