

System Name: Walkerton Drinking Water System
Municipality: Municipality of Brockton
Drinking Water System Category: Large Municipal Residential

The Municipality of Brockton is located in Bruce County and is contained entirely within the Saugeen Valley Source Protection Area. The eastern portion of the municipality consists of a series of small recreational lakes and excellent farm land, which comprise the Saugeen Clay Plains in the north and the Horseshoe Moraines around Walkerton. The western portion of the municipality includes the Greenock Swamp, the largest protected Class 1 wetland in Southern Ontario and recognized in Canada for its uniqueness. In 2011, the population of the Municipality was 9,432, which was a decrease of 2.2% from 2006 (Census, 2011). The main town is Walkerton with a population of 4,967. Smaller villages include Cargill, Chepstow, Elmwood, Glammis, and Pinkerton.

"Walkerton is a quaint town situated on the banks of the Saugeen River. Known to the Ojibway as Hahskosesing meaning 'Little Marsh', Walkerton began in 1850 when Joseph Walker arrived, building a dam across the Saugeen and then erecting a saw and grist mill. Walker, who was also the proprietor of a tavern, not only gave his name to this river town, but also became its first mayor." (Source: <http://www.explorethebruce.com/walkerton.php>)

Walkerton has two standpipes: Standpipe No. 1, the Walkerton Tower, is located in the southeast corner of Walkerton on Wallace Street and has a diameter of 8.5m and is 26.9m tall with a volume of 1486m³. The north standpipe, the Brockton Tower, is located on Cunningham Road in the northeast corner of Walkerton and has a diameter of 14.6m and is 20.2m tall with a volume of 3380m³. Walkerton currently has about 1820 water connections for a serviced population of 4,900.

The Walkerton Drinking Water System has two production wells: Walkerton Well Nos. 7 and 9. The wells are 100m from each other and are located three kilometres west of Walkerton at the corner of Bruce Road 2 and Bruce Road 3. Walkerton Well No. 7 is referred to as a flowing artesian well, cased to a depth of 13.7 metres with a total depth of about 76.2 metres and is located within the pumphouse. Walkerton Well No. 9 is cased to a depth of 47 metres with a total depth of about 79.3 metres. It was built to replace Well No. 6 that is now used as a monitoring well. The geology of the shared Wellhead Protection Area (WHPA) for Walkerton Well Nos. 7 and 9 is variable. Geologic cross-sections of the area indicate a continuously changing series of overburden layers within the WHPA. Sand and gravel layers dominate and relatively thin layers of silt, clay and till are imbedded between.

Name of Well	Pump Rating	Aquifer
Walkerton No.7, Walkerton No.9	56.8L/s at TDH* of 66m	Transition zone between the Dunkeld and Elma Tills

Total Dynamic Head (TDH) is the work done by the pump per unit weight, per unit volume of fluid. This figure is used on Permit to Take Water documents.



Walkerton Drinking Water System Well No. 7 installed 1986



Walkerton Drinking Water System Well No. 9 installed 2001



Walkerton Standpipe No. 1