

System Name: Mildmay Well Supply
Municipality: Municipality of South Bruce
Drinking Water System Category: Large Municipal Residential

The Municipality of South Bruce is located in the southern portion of Bruce County in the Saugeen Valley Source Protection Area. The Municipality of South Bruce has a strong agricultural sector due to its fertile soil. Livestock husbandry and crop production are the main farming activities within the Municipality. South Bruce has a thriving aggregate industry with quality gravel deposits throughout the Municipality. In 2011, the population was 5685, which was a decrease of 4.3% from 2006. The main towns are Mildmay (population 1183) and Teeswater (population 1109). Smaller villages include Formosa, Carlsruhe and Deemerton.

The Municipality of South Bruce has two municipal water supply systems, one servicing the former Village of Teeswater and a second servicing the former Village of Mildmay and adjacent development. These municipal water supply systems utilize groundwater wells drilled into the bedrock aquifer. No new drinking water systems are planned.

The Mildmay Well Supply is comprised of two bedrock wells. Well No. 1 was constructed in 1968 and Well No. 2 was constructed in 1989. Mildmay Well No. 2 is a standby well. The Mildmay Well Supply is located on Absalom Street West, near the centre of the village, and services a population of approximately 1200. The system includes two wells which are only 6 metres apart, and a pump house located 20m west of Otter Creek situated beyond the floodplain according to Conservation Authority mapping. Mildmay Production Well No. 1 is currently the duty well and Well No. 2 is strictly on standby. Both wells are artesian and naturally produce an unrestricted flow of water drawn from the Bois-Blanc limestone bedrock aquifer. The Mildmay wells are considered non-GUDI*.

Production Well No. 1 has a depth of 34.9 metres. It is constructed of a 250mm diameter metal casing to a depth of 34m. Production Well No. 2 has a depth of 34.4m. The well is constructed of a 250mm diameter metal casing to a depth of 32.9m. A 12% sodium hypochlorite solution is used for water treatment.

Well Name	Mildmay 1	Mildmay 2
Number of Users Served	1200 persons	
Design Capacity (CoA)	1637m ³ /day	
Permitted Rate (PTTW)	1637.28m ³ /day	1637.28m ³ /day
Average Annual Usage	657m ³ /day	
Modelled Pumping Rate	361m ³ /day	361m ³ /day

*Well water or groundwater under the direct influence of surface water (GUDI) refers to groundwater supply sources that are hydraulically connected to nearby surface waters, and are thus vulnerable to contamination by pathogens.



South Bruce, inside Pump house