

Sampling Protocol

Two sampling procedures were performed for the 2008 season:

1. **Lakeshore samples** – Lake Huron samples were taken at the sampler's waist depth (approx. 3 feet). Reaching poles were used to obtain a sample in water that had not been disturbed by the sampler's movements. Five samples were taken per location approximately 50 to 100 feet apart depending on the length of the shoreline.
2. **Inland Samples** – samplers conducted inland samples from the shore or pier with reaching poles. Five samples were taken per location. Since most inland locations did not allow for a 50 to 100 foot length between sites, the site was divided into 5.

At each sampling site, samplers recorded the following information: water temperature, water clarity, wind direction, number of waterfowl, precipitation in the last 24 and 48 hours, number of birds, sunlight intensity, and air temperature.

Sampling Schedule:

For the 2008 summer the following schedule was applied:

- Monday, Wednesday, and Friday – Bayfield Main Beach and Goderich Rotary Cove Beach
- Tuesday – all shoreline locations (including Bogies) plus Exeter and Morrison Dams inland locations (excluding Exeter and Morrison Dams)
- Thursday – high risk beaches or beaches with public washrooms (Amberley, Ashfield, Port Albert, Goderich Main, St. Christopher's Beach, Rotary Cove, Bayfield Main, Houston Heights, and Port Blake) and any adverse shoreline results from Tuesday's samples (For example, a result of 100 C.F.U./100mL or greater).

Notes:

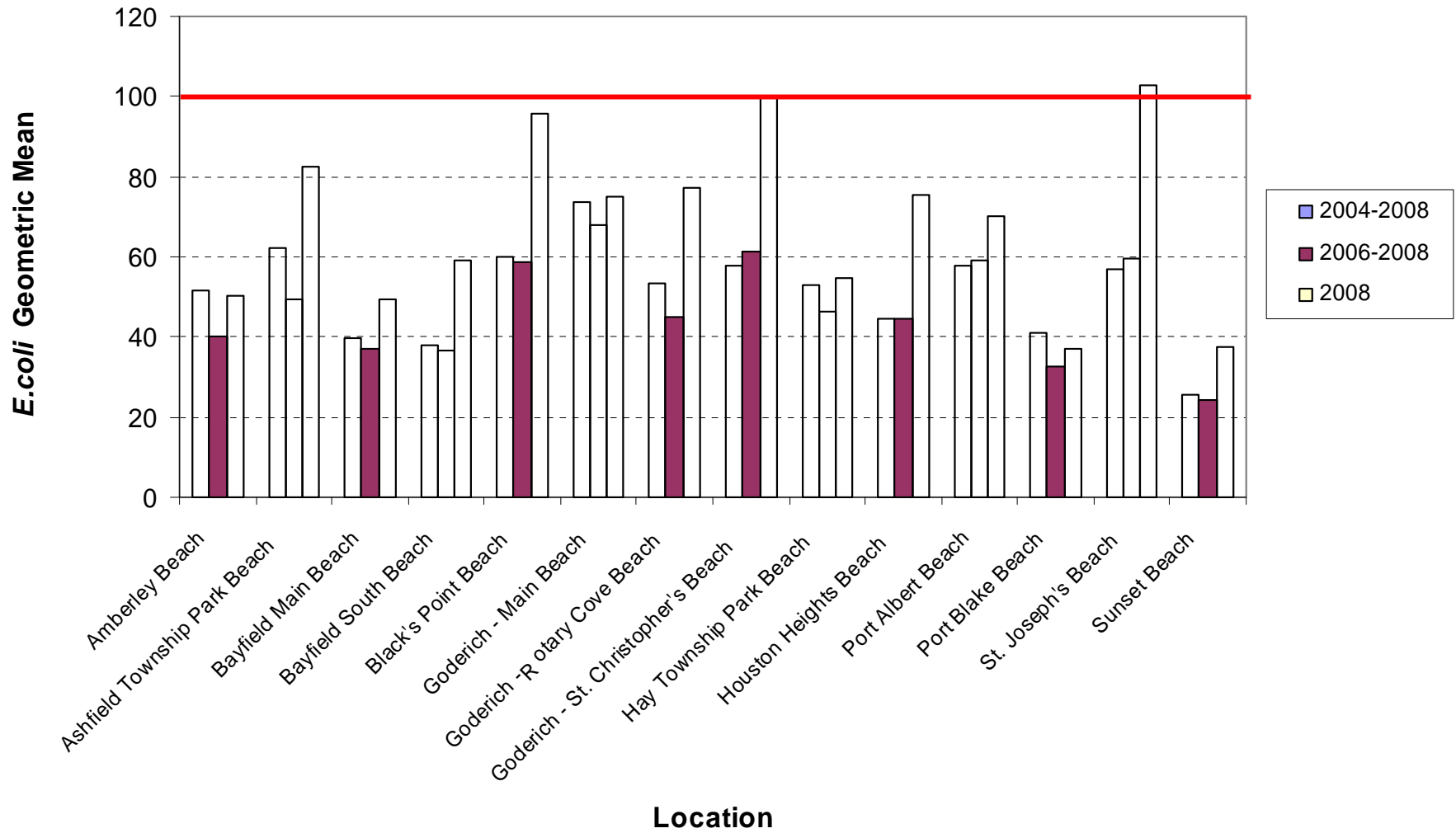
On Mondays, Wednesdays, and Fridays, the samplers left the health unit at 8:00 am.

On Tuesdays and Thursdays the samplers left the health unit at 6:00 am.

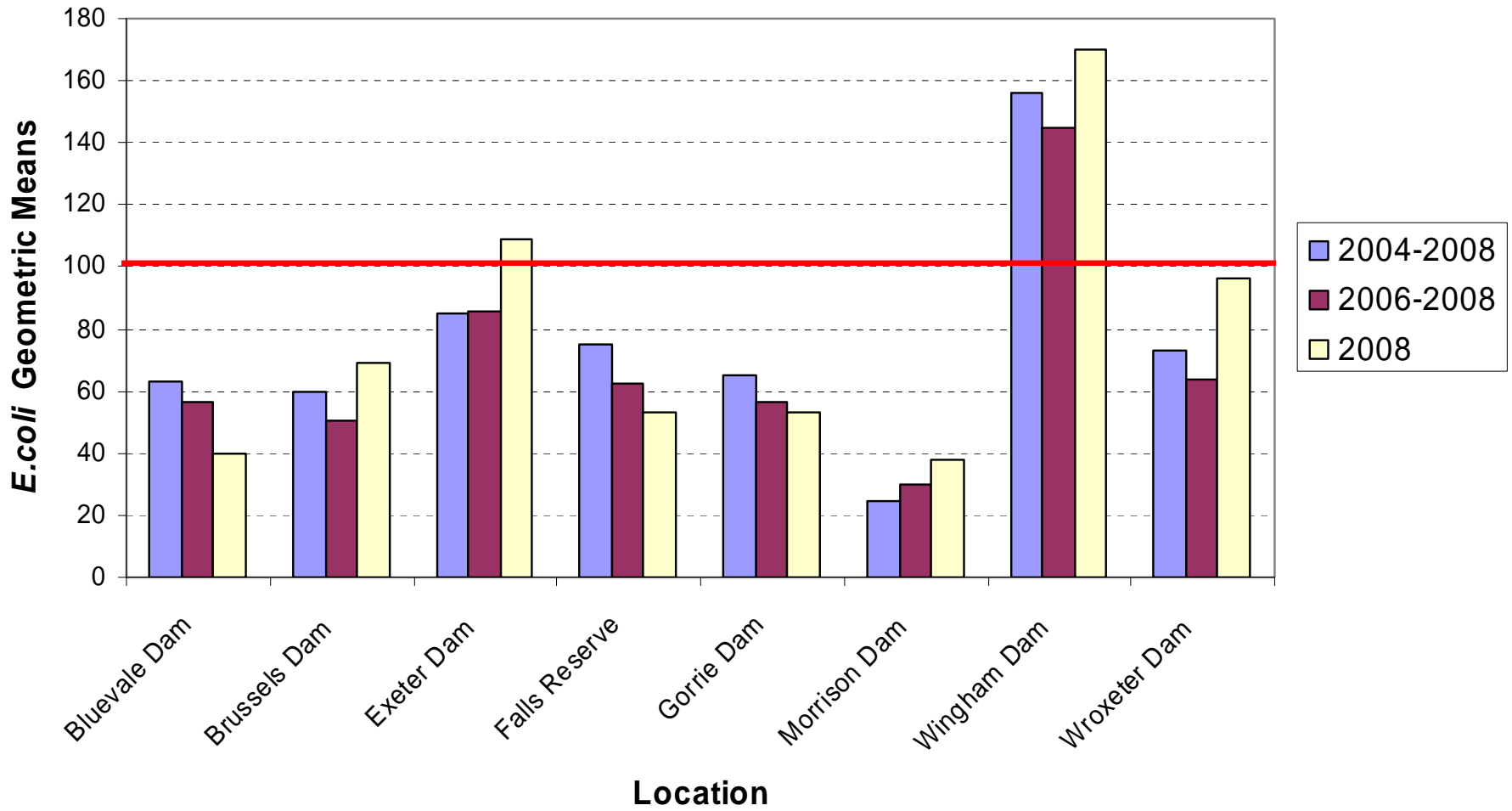
Tuesday and Thursday samples were to be at the Ausable Bayfield Conservation Authority by 2 pm to meet the courier (Helix) to be at the Public Health Lab in London by 3 pm.

Monday, Wednesday, and Friday samples were brought back to the health unit by 10:00 to be sent to the Public Health Lab in London.

2004-2008 Shoreline *E.coli* Geometric Means



2004-2008 Inland *E.coli* Geometric Means



Number Of Days Sampled - 2008

Location	June	July	August	Total
<i>SHORELINE LOCATIONS</i>				
Amberley Beach	9	9	7	25
Ashfield Twp. Park	9	8	7	24
Bayfield Main	9	22	19	50
Bayfield South	8	7	5	20
Black's Point	7	6	5	18
Goderich - Main	9	9	7	25
Goderich - Rotary Cove	9	22	16	47
Goderich- St. Christopher's	9	9	7	25
Hay Township Park	7	8	5	20
Houston Heights	9	9	7	25
Port Albert	9	9	7	25
Port Blake	9	9	7	25
St. Joseph's	8	8	6	22
Sunset Beach	6	5	4	15
<i>INLAND LOCATIONS</i>				
Bluevale Dam	1	1	1	3
Brussels Dam	1	1	1	3
Exeter Dam	1	1	1	3
Falls Reserve/Benmiller	1	1	1	3
Gorrie Dam	1	1	1	3
Morrison Dam	1	1	1	3
Wingham Dam	1	1	1	3
Wroxeter Dam	1	1	1	3