

**fYNOP Site**



**MW-145A - Borehole Point Dilution Testing Results**

**For Testing 08/20-21/12**

Groundwater Velocity

<u>Test Interval in feet BGS</u>	<u>feet/min</u>
105 ft - 120.1 ft	0.037
160.8 ft - 164 ft	0.028
182 ft - 186 ft	0.004
190.5 ft - 194.0 ft	0.043
194.7 ft - 198.7 ft	0.101
199.7 ft - 201.6 ft	0.031

\*Methods adapted from Freeze and Cherry, 1979; p. 428-430.

**Conditions, Assumptions, and Limitations**

- A slug of DI water tracer instantaneously filled the test zone.
- The area of the tested interval extends significantly beyond the HQ-cored borehole.
- Open (non-filled) karstic porosity is 1.0; adjustment factor is 1.0; for use in Eq'n 9.28, p.430.
- A seal was constructed of medium sand and bentonite clay pellets (Peltonite) to minimize flow communication between tested intervals.

