



Well ENW52 is located about in the center of the Edgartown half of the Correllus State Forest. This well is sited in the sand and gravel outwash plain deposits that make up our main drinking water aquifer. The record for the water table elevation in this well has been kept since 1978. The "Maximum" plot (green squares) shows the highest water table over the 32 year record for each month without regard to the year in which it occurred. Similarly the "Minimum" plot (red triangles) shows the lowest water table elevation for each month. The "Average" plot (blue diamonds) shows the average elevation of the water table for each month over the record period.

These plots put the elevation of the water table in 2010, shown in purple (X), into some perspective. During 2010, the water table elevation built on the higher than average elevation ending 2009 combined with a very wet December 2009, to start the year well above average. Boosted by a very wet March (over 10 inches of precipitation) the April water table came within about 7 inches of the maximum historic elevation. The 2009 record is also shown (dashed line) for comparison. 2009 marks a turn around from lower water tables during 2008 and produced water table elevations that were near 2 feet above average toward the end of the year.

When the water table drops or rises 1 foot throughout the area of the aquifer, it represents a change in volume of about 3 billion gallons of water. This is about 2% of the total volume of water contained in the aquifer.