

Castle Hayne Aquifer

Water levels in the Castle Hayne aquifer were below normal in NC-198 in the Southport area and normal at BR-100 in the well field (figure 5) during water year 2006. The Castle Hayne aquifer may be pumped in localized areas throughout Brunswick County as a source of potable water. Additionally, it should be noted that BR-100 is completed in both the Castle Hayne and Peedee aquifers, so the water levels collected in this well are composite values, and may not reflect the true water level found in either aquifer.

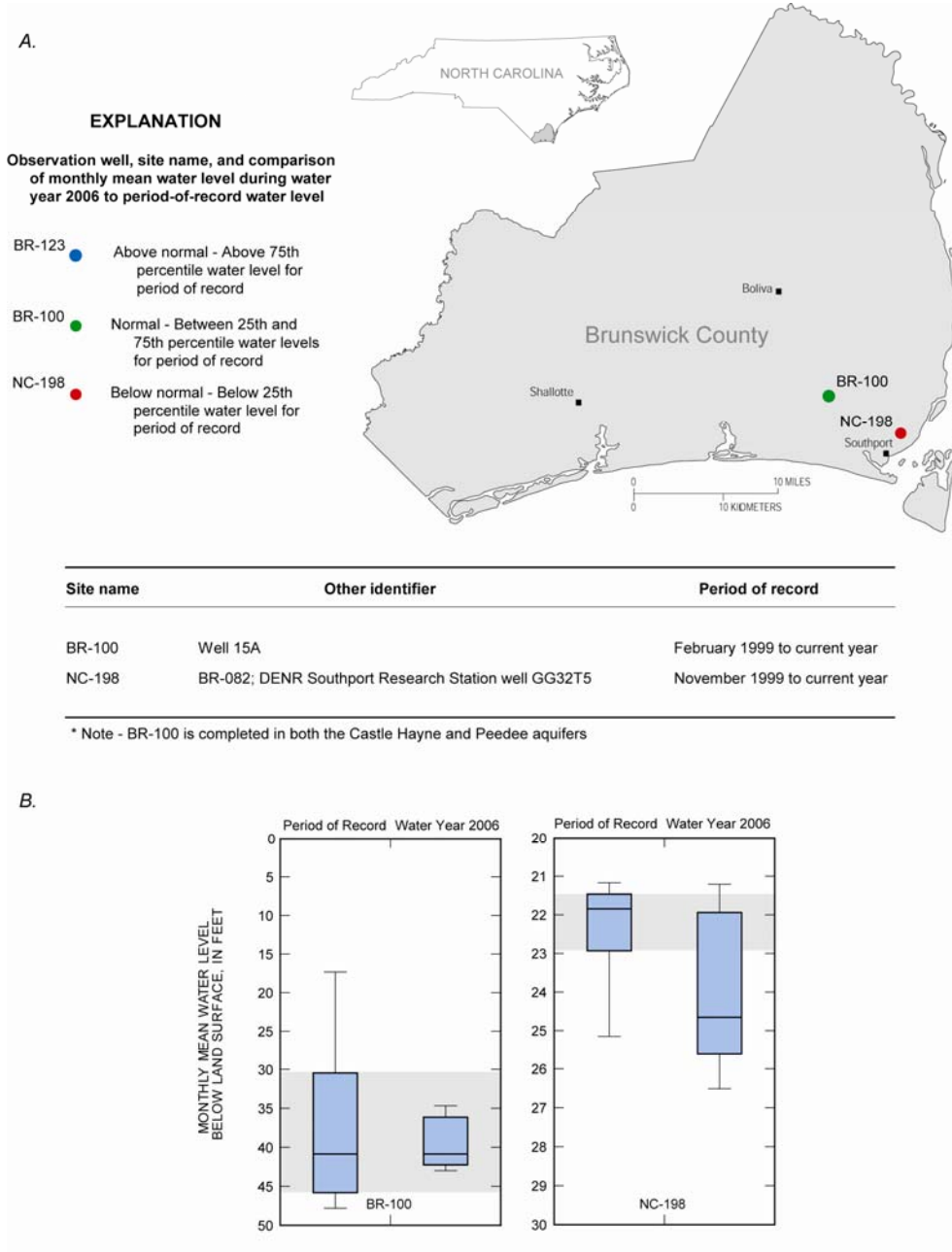


Figure 5. (A) Observation wells completed in the Castle Hayne aquifer, Brunswick County area (colored dots indicate locations where water levels were above, below, or normal for the surficial aquifer during water year 2006) and (B) box plots comparing period-of-record monthly mean water levels to water year 2006 monthly mean water levels.