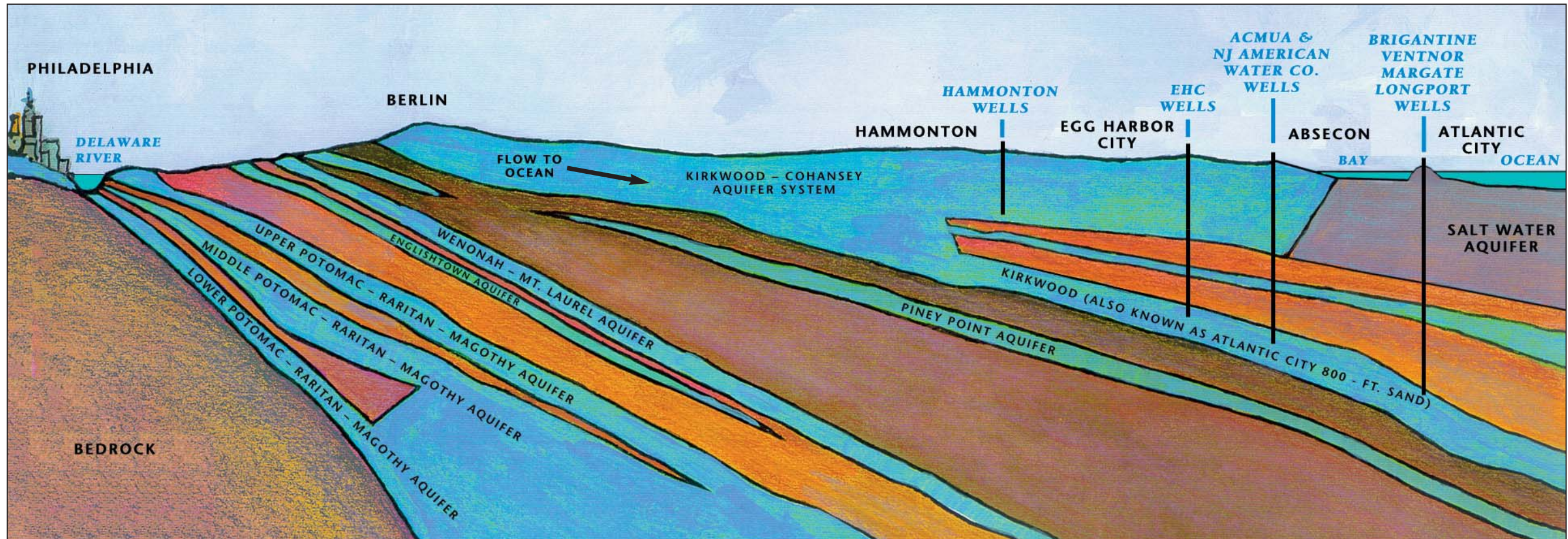


# Where does our water come from?

Aquifers are underground, water-bearing layers, which are separated by confining layers of clay. Aquifers are the primary source of fresh water. All Atlantic County municipalities tap into these systems to provide potable water to residents and businesses. The principle source of ground-water supply in Atlantic County is the Kirkwood-Cohansey aquifer system.

The Kirkwood-Cohansey is susceptible to surface contamination (old trash dumps, septic problem areas), and over-pumping near the coast causing salt water intrusion into the aquifer. The same concern for salt water intrusion into the Kirkwood exists. Based on existing data, it doesn't appear to be a serious problem in the near future.

Red line shows area of cross-section



## A CROSS-SECTION OF SOUTHERN NEW JERSEY AQUIFERS

Information adapted from the U.S. Geological Survey's Water-Resources Investigations Report 00-4143

- CONFINING LAYERS
- FRESH WATER AQUIFERS