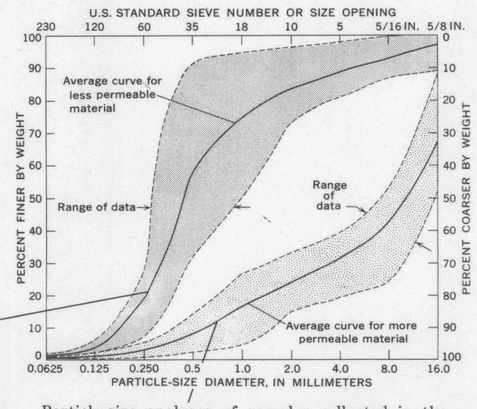
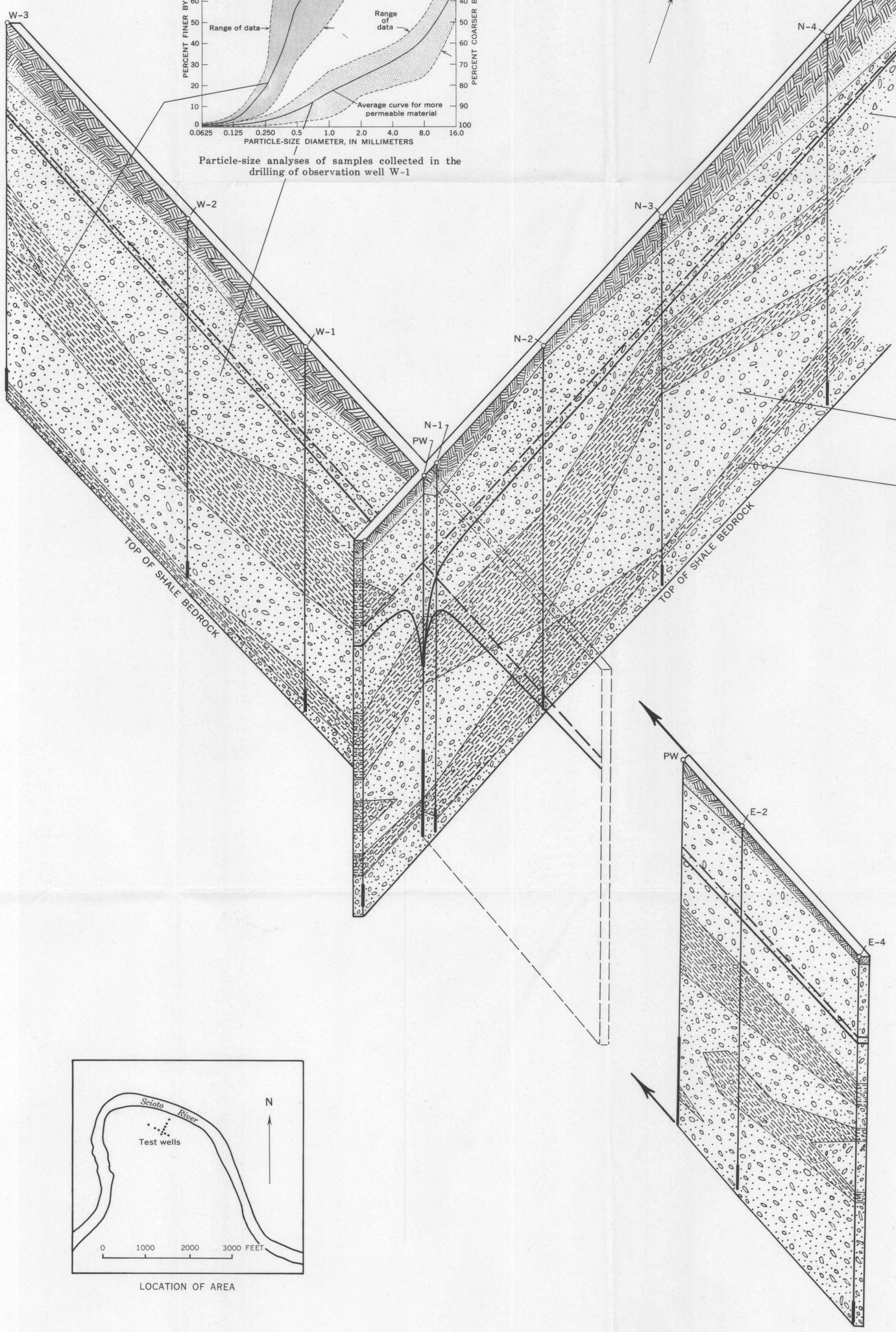
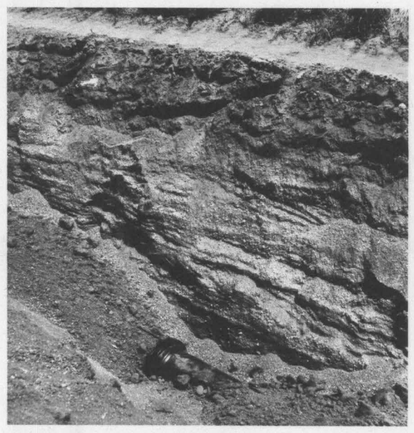
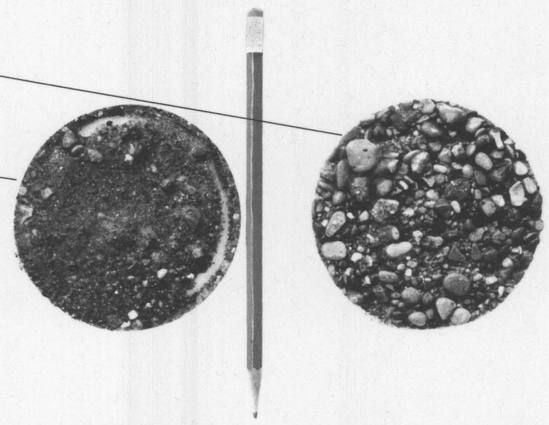


Particle-size analyses of samples collected in the drilling of observation well W-1





Upper part of sand and gravel aquifer near the aquifer test site, exposed in trench made for pipeline, showing relatively coarse-grained material beneath cover of soil and alluvium



Samples of finer grained, less permeable material (on left) and coarser grained, highly permeable material from the sand and gravel aquifer. Samples collected from one of the augered test holes

EXPLANATION

Soil and alluvium

Chiefly coarse sand and medium gravel (highly permeable)

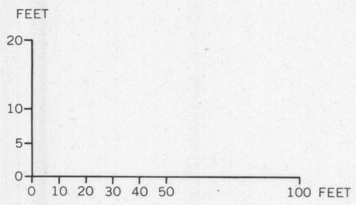
Chiefly medium to coarse sand of relatively low permeability

N-3

Location of 6-inch-diameter test well; PW refers to 12-inch-diameter pumped well; heavy vertical lines show position of well screens

Drawdown after 9 days pumping at 1,000 gallons per minute

Position of water table prior to pumping



LOCATION OF AREA

FENCE DIAGRAM DRAWN THROUGH TEST WELLS AT THE AQUIFER TEST SITE, SHOWING ZONES OF FINER GRAINED MATERIAL OF RELATIVELY LOW PERMEABILITY INTERBEDDED WITH COARSER GRAINED SAND AND GRAVEL, PIKETON AREA, SOUTH-CENTRAL OHIO

322-558 O - 69 (In pocket)