WATER-RESOURCES INVESTIGATIONS REPORT 96-4286
Altitude and configuration of the potentiometric surface -- PLATE 1
Sloto, R.A., 1997, Hydrogeologic investigation of the Malvern TCE Superfund Site, Chester County, Pennsylvania

U. S. DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
U. S. ENVIRONMENTAL PROTECTION AGENCY

75° 35' 75° 34' 75° 33' 75° 32'

40° 04'

40° 03'

AREA OF INSET

CATANACH QUARRY

INSET

DISPOSAL AREA

PLANT AREA

HILLBROOK CIRCLE

PHILADELPHIA MEMORIAL PARK

0 0.2 0.4 0.6 0.8 1 MILE
0 0.2 0.4 0.6 0.8 1 KILOMETER

SCALE
0 500 1,000 FEET
0 500 1,000 METERS

Base from U. S. Geological Survey Malvern 1:24,000 1983

PENNSYLVANIA

LOCATION OF MAPPED AREA

MN GN
11⅛°
204 MILLS
0° 12'
4 MILS

UTM GRID AND 1983 MAGNETIC NORTH DECLINATION

EXPLANATION

310 — POTENTIOMETRIC CONTOUR--Shows altitude of potentiometric surface as defined by measured water levels. Dashed where approximately located. Contour interval is every 20 feet below 280 feet and every 10 feet above 280 feet. Altitude in feet above National Geodetic Vertical Datum of 1929.

305 — POTENTIOMETRIC CONTOUR OF INSET MAP--Shows altitude of potentiometric surface as defined by measured water levels. Dashed where approximately located. Contour interval is every 5 feet below 285 feet, every foot between 285 feet and 310 feet, and every 5 feet above 310 feet. Altitude in feet above National Geodetic Vertical Datum of 1929.

GROUND-WATER-FLOW PATH

GROUND-WATER DIVIDE

303.59 — SITE USED FOR WATER-LEVEL MEASUREMENT--Symbol gives location of site. Number is altitude of water level in feet above National Geodetic Vertical Datum of 1929. Water level given to nearest hundredth of a foot is based on elevation of measuring point surveyed in 1995; water level given to the nearest foot is based on the elevation of measuring point estimated from the 1:24,000 topographic map.

Altitude of static water level measured in drilled well.

291 — Altitude of water level that was measured in a recently pumped drilled well.

150 — Reported elevation of quarry sump.

PLATE 1. ALTITUDE AND CONFIGURATION OF THE POTENTIOMETRIC SURFACE, DECEMBER 6, 1994, MALVERN TCE SUPERFUND SITE AND VICINITY, CHESTER COUNTY, PENNSYLVANIA

By B. Craig McManus and Ronald A. Sloto

1997