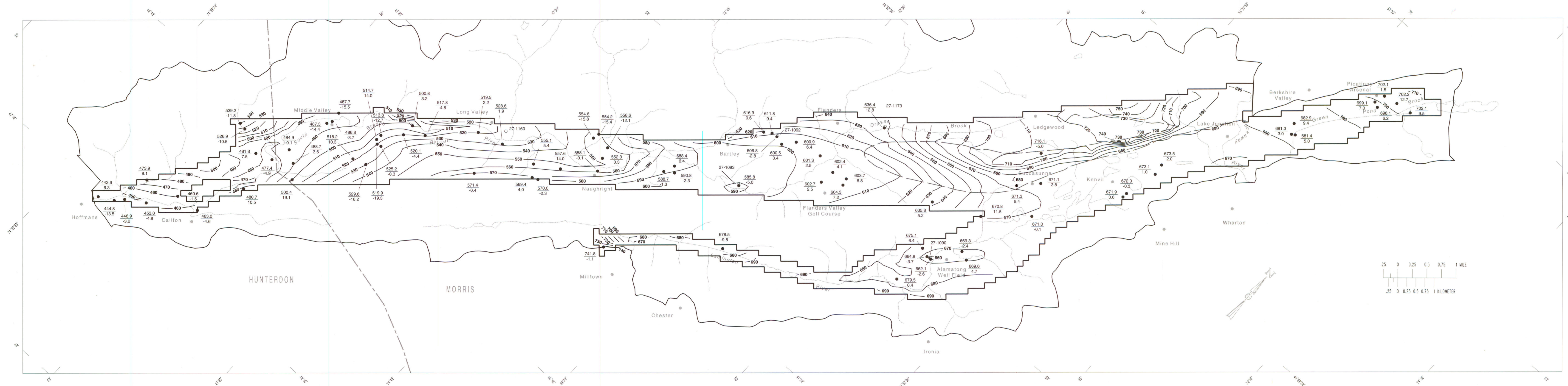


- EXPLANATION**
- STUDY-AREA BOUNDARY
  - EXTENT OF CARBONATE-ROCK AQUIFER
  - - - - - EXTENT OF OVERLYING PALEOZOIC CONFINING UNIT--Hydraulic conductivity of carbonate-rock aquifer expected to be lower here than in surrounding areas
  - 400 - - - POTENTIOMETRIC CONTOUR--Shows altitude at which water would have stood in tightly cased wells, in feet above National Geodetic Vertical Datum of 1929. Dashed where approximately located. Contour interval 10 feet
  - ← GENERALIZED DIRECTION OF GROUND-WATER FLOW
  - 593.1 WELL--Number is water level, in feet above National Geodetic Vertical Datum of 1929
  - 27-1092 PUMPED WELL--Number is identifier listed in appendix 1

Hydrology by R.S. Nicholson, 1993

3a. Observed average potentiometric surface of and generalized directions of ground-water flow in the carbonate-rock aquifer, 1988-89.



- EXPLANATION**
- STUDY-AREA BOUNDARY
  - EXTENT OF MODEL LAYER 3 REPRESENTING THE CARBONATE-ROCK AQUIFER
  - - - - - EXTENT OF OVERLYING PALEOZOIC CONFINING UNIT--Hydraulic conductivity of carbonate-rock aquifer expected to be lower here than in surrounding areas
  - 400 — POTENTIOMETRIC CONTOUR--Shows altitude at which water would have stood in tightly cased wells, in feet above National Geodetic Vertical Datum of 1929. Contour interval 10 feet
  - 681.4 5.0 WELL--Upper number is simulated water level, in feet above National Geodetic Vertical Datum of 1929. Lower number is simulated water level minus observed water level, in feet
  - 27-1092 PUMPED WELL--Number is identifier listed in appendix 1

**AVERAGE AND SIMULATED POTENTIOMETRIC SURFACES OF AND DIRECTIONS OF GROUND-WATER FLOW IN THE CARBONATE-ROCK AQUIFER, 1988-89**

By  
Robert S. Nicholson, Steven D. McAuley, Julia L. Barringer, and Alison D. Gordon  
1996