

EXPLANATION

Note: well symbols may be combined on map

- Well, drilled
- Well, driven
- Well, dug
- Well, water-level observation
- Well, chemical analysis available
- Well, log available
- Well, chemical analysis and log available
- Test boring or sounding
- Resistivity test site

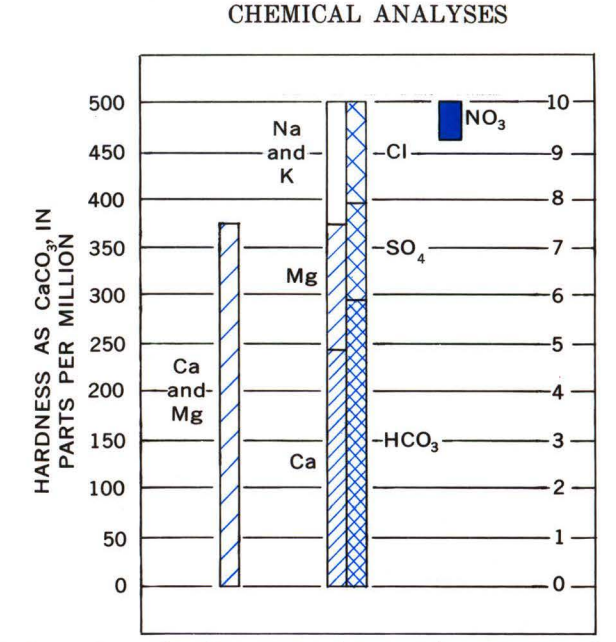
Bedrock data derived from resistivity methods is approximate

TYPE OF PUMP	YIELD
H	Reported
P	Measured
N	None

- Aquifer, if bedrock of Devonian (D) or Mississippian (M) age.
- Depth to water, in feet below land surface.
- Month and year of water-level measurement.
- Key number for specific capacity, transmissibility, and permeability given in table below.
- Yield of well, in gallons per minute. When yield is unknown, type of pump is given.
- Depth of well in feet below land surface.
- Bedrock altitude, in feet above mean sea level.

Key number	Specific capacity of well (gpm/ft drawdown)	Duration of drawdown test (hrs)	Transmissibility (gpd/ft)	Permeability (gpd/sq ft)	Depth of permeability sample (ft)	Remarks
(1)				900	60-105	Median of 9 samples
(2)				600	60-114	Median of 11 samples
(3)				500	60-114	Median of 11 samples
(4)				150	50-115	Median of 13 samples
(5)				525	65-110	Median of 8 samples
(6)				600	50-99	Median of 10 samples
(7)				675	50-110	Median of 12 samples
(8)				500	50-100	Median of 20 samples
(9)				480	45-100	Median of 11 samples
(10)				1400	64-104	With river infiltration
(11)	15	528	20,000 ^a 45,000 ^b	1000	0-95	Median of 7 samples
(12)				390	50-101	Median of 10 samples
(13)				1100	40-59	Median of 4 samples
(14)				480	50-92	Median of 9 samples
(15)				165	45-97	Median of 10 samples
(16)				575	40-78	Median of 8 samples
(17)				775	60-90	Median of 5 samples
(18)				190	33-105	Median of 14 samples
(19)				900	50-105	Median of 10 samples
(20)				300	25-99	Median of 14 samples
(21)				450	25-100	Median of 16 samples
(22)				290	25-90	Median of 13 samples
(23)	36.4 20 ^c	48				

^a For section of aquifer near water's edge.
^b For section of aquifer landward from water's edge.
^c Median of 15 other wells in the area whose specific capacities range from 14 to 200 gpm/ft drawdown.



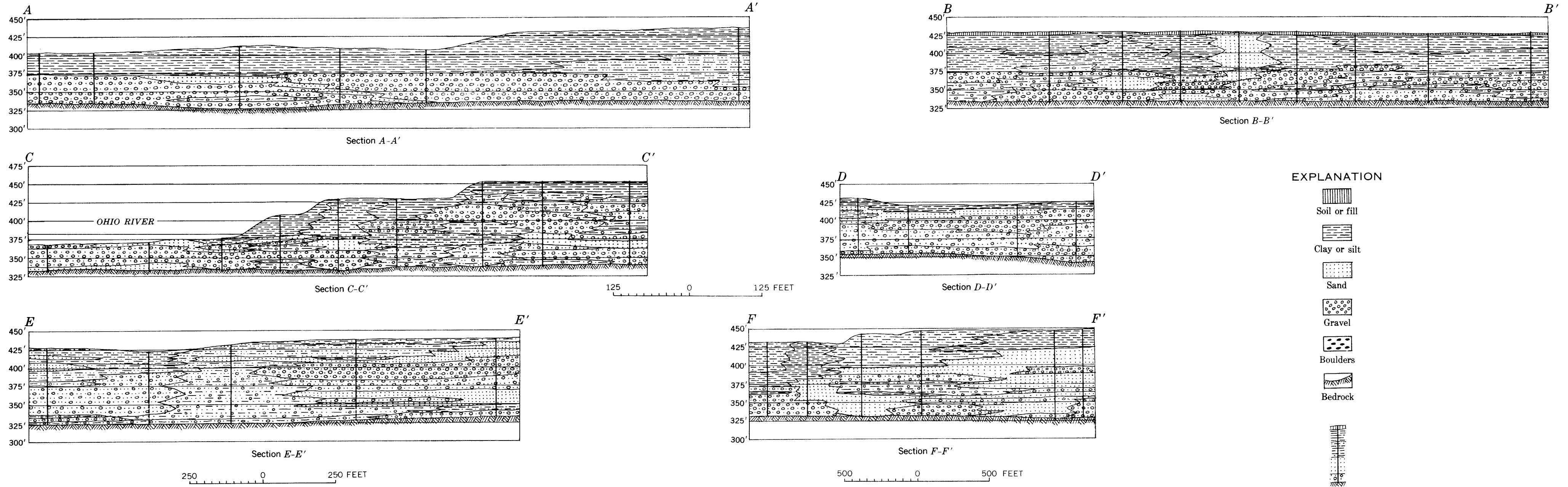
Hardness is read only to top of magnesium or sum of calcium and magnesium. When amount of nitrate is less than 10 parts per million (0.161 equivalents) it is combined with chloride.

MAP SYMBOLS

- Quaternary alluvium of Ohio Valley
- Quaternary alluvium of tributary valley
- Mississippian and Devonian bedrock
- Geologic contact
- Dashed where approximately located
- Contour on bedrock
- Dashed where approximately located; contour interval 10 feet; datum is mean sea level

GEOLOGY AND HYDROLOGY OF ALLUVIAL DEPOSITS ALONG THE OHIO RIVER BETWEEN SOUTHWESTERN LOUISVILLE AND WEST POINT, KENTUCKY

By
William E. Price, Jr.
1964



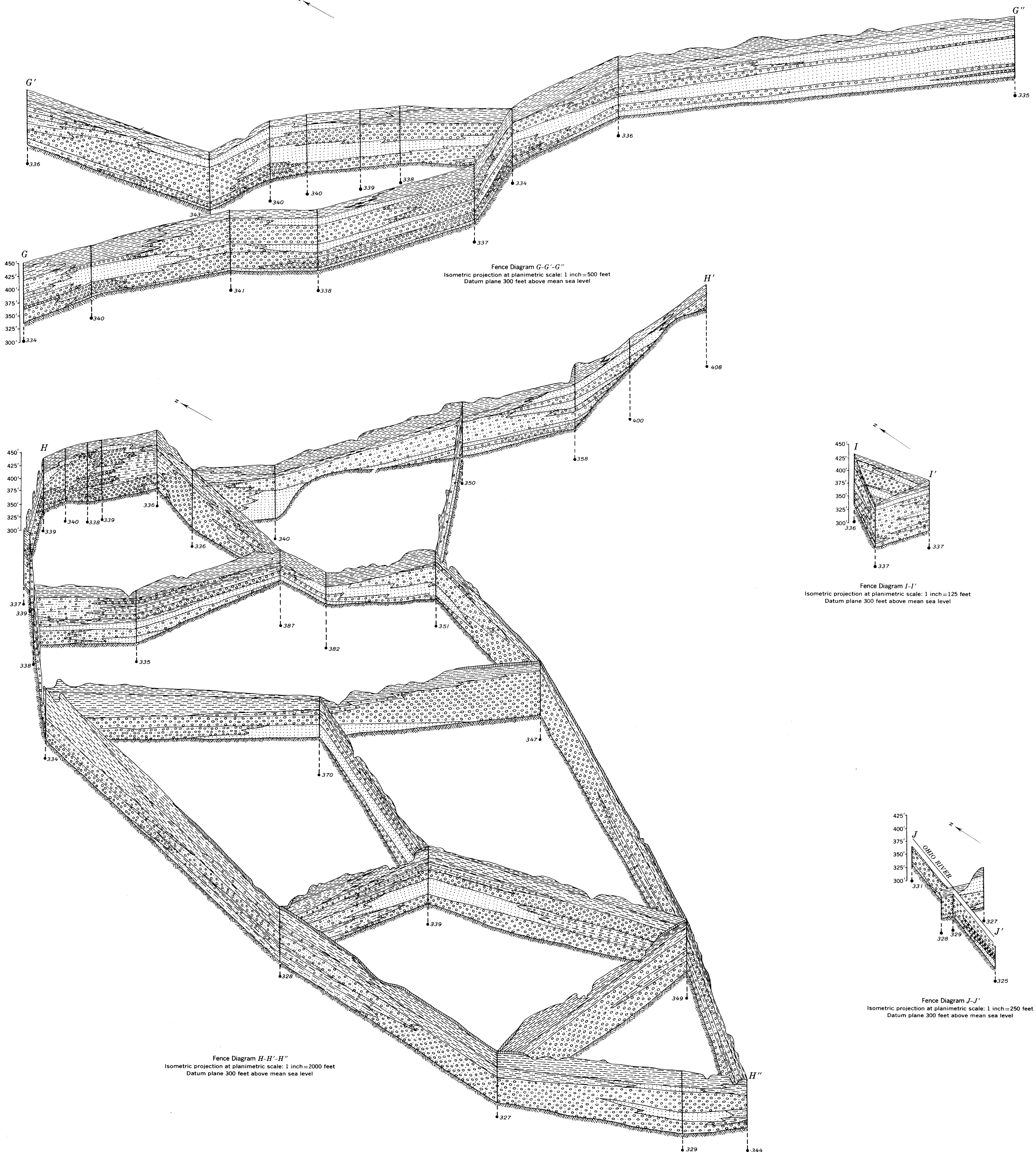
EXPLANATION

- Soil or fill
- Clay or silt
- Sand
- Gravel
- Boulders
- Bedrock

Well or test boring

• 335
Dot represents the projected position of well or test boring on an imaginary datum plane. Number shows altitude of bedrock surface, in feet above mean sea level.

Approximate boundary between lithologic units, generally gradual



SECTIONS AND FENCE DIAGRAMS OF ALLUVIAL DEPOSITS ALONG THE OHIO RIVER BETWEEN SOUTHWESTERN LOUISVILLE AND WEST POINT, KENTUCKY

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