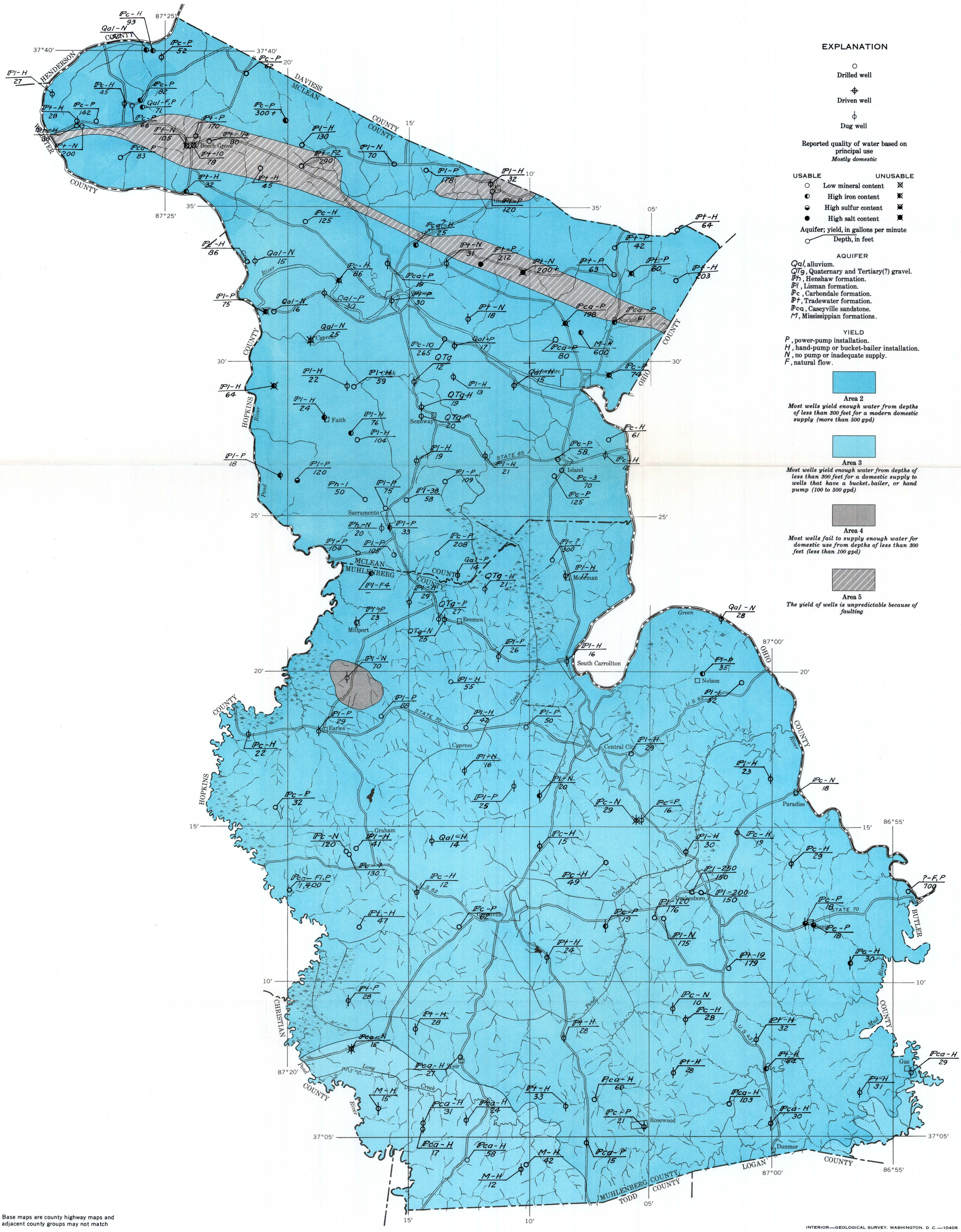
PREPARED IN COOPERATION WITH THE COMMONWEALTH OF KENTUCKY
THE KENTUCKY GEOLOGICAL SURVEY, UNIVERSITY OF KENTUCKY
AND THE DEPARTMENT OF ECONOMIC DEVELOPMENT



EXPLANATION

Drilled well

Driven well

Dug well

Reported quality of water based on principal use
Mostly domestic

USABLE		UNUSABLE
○	Low mineral content	⊠
◐	High iron content	⊠
◒	High sulfur content	⊠
●	High salt content	⊠

Aquifer; yield, in gallons per minute / Depth, in feet

AQUIFER

Qal, alluvium.
QTg, Quaternary and Tertiary(?) gravel.
Ph, Henshaw formation.
Pl, Lisman formation.
Pc, Carbondale formation.
Pt, Tradewater formation.
Pca, Caseyville sandstone.
M, Mississippian formations.

YIELD

P, power-pump installation.
H, hand-pump or bucket-bailer installation.
N, no pump or inadequate supply.
F, natural flow.

Area 2
Most wells yield enough water from depths of less than 300 feet for a modern domestic supply (more than 500 gpd)

Area 3
Most wells yield enough water from depths of less than 300 feet for a domestic supply to wells that have a bucket, bailer, or hand pump (100 to 500 gpd)

Area 4
Most wells fail to supply enough water for domestic use from depths of less than 300 feet (less than 100 gpd)

Area 5
The yield of wells is unpredictable because of faulting

Base maps are county highway maps and adjacent county groups may not match

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—10406

AVAILABILITY OF GROUND WATER IN MCLEAN AND MUHLENBERG COUNTIES, KENTUCKY (COUNTY GROUP 29)

By
R. W. Devaul and B. W. Maxwell

TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION, 1962

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