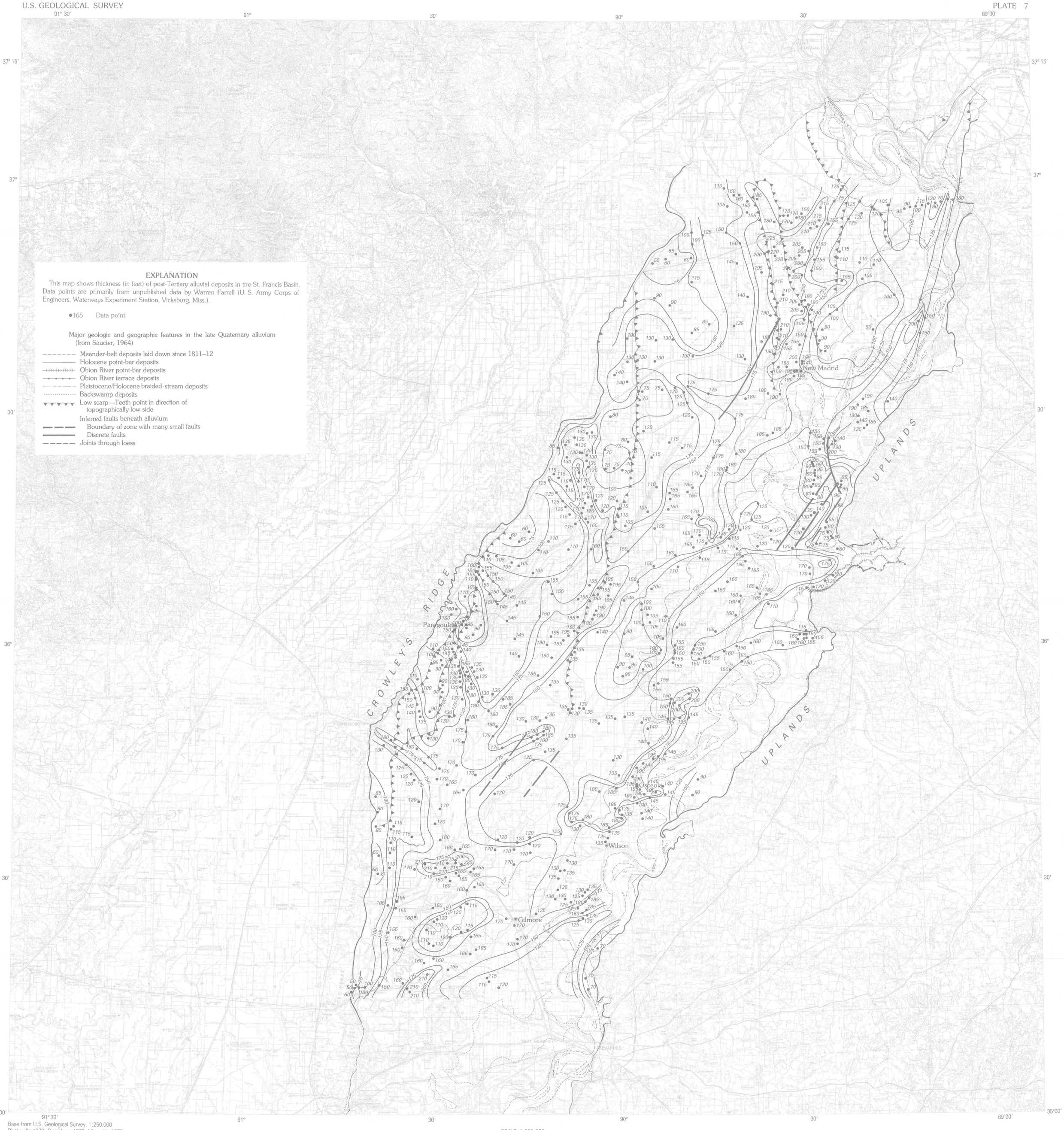

EXPLANATION

This map shows thickness (in feet) of post-Tertiary alluvial deposits in the St. Francis Basin. Data points are primarily from unpublished data by Warren Farrell (U. S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, Miss.).

●165 Data point

Major geologic and geographic features in the late Quaternary alluvium (from Saucier, 1964)

- Meander-belt deposits laid down since 1811–12
- Holocene point-bar deposits
- Obion River point-bar deposits
- Obion River terrace deposits
- Pleistocene/Holocene braided-stream deposits
- Backswamp deposits
- Low scarp—Teeth point in direction of topographically low side

Inferred faults beneath alluvium

- Boundary of zone with many small faults
- Discrete faults
- Joints through loess

Base from U.S. Geological Survey, 1:250,000
Blytheville 1970; Dyersburg 1970; Memphis 1978;
Paducah 1969; Poplar Bluff 1978

SCALE 1:500 000

10 0 10 20 30 MILES

10 0 10 20 30 40 KILOMETERS

ISOPACH MAP OF ALLUVIAL DEPOSITS (POST-TERTIARY), ST. FRANCIS BASIN