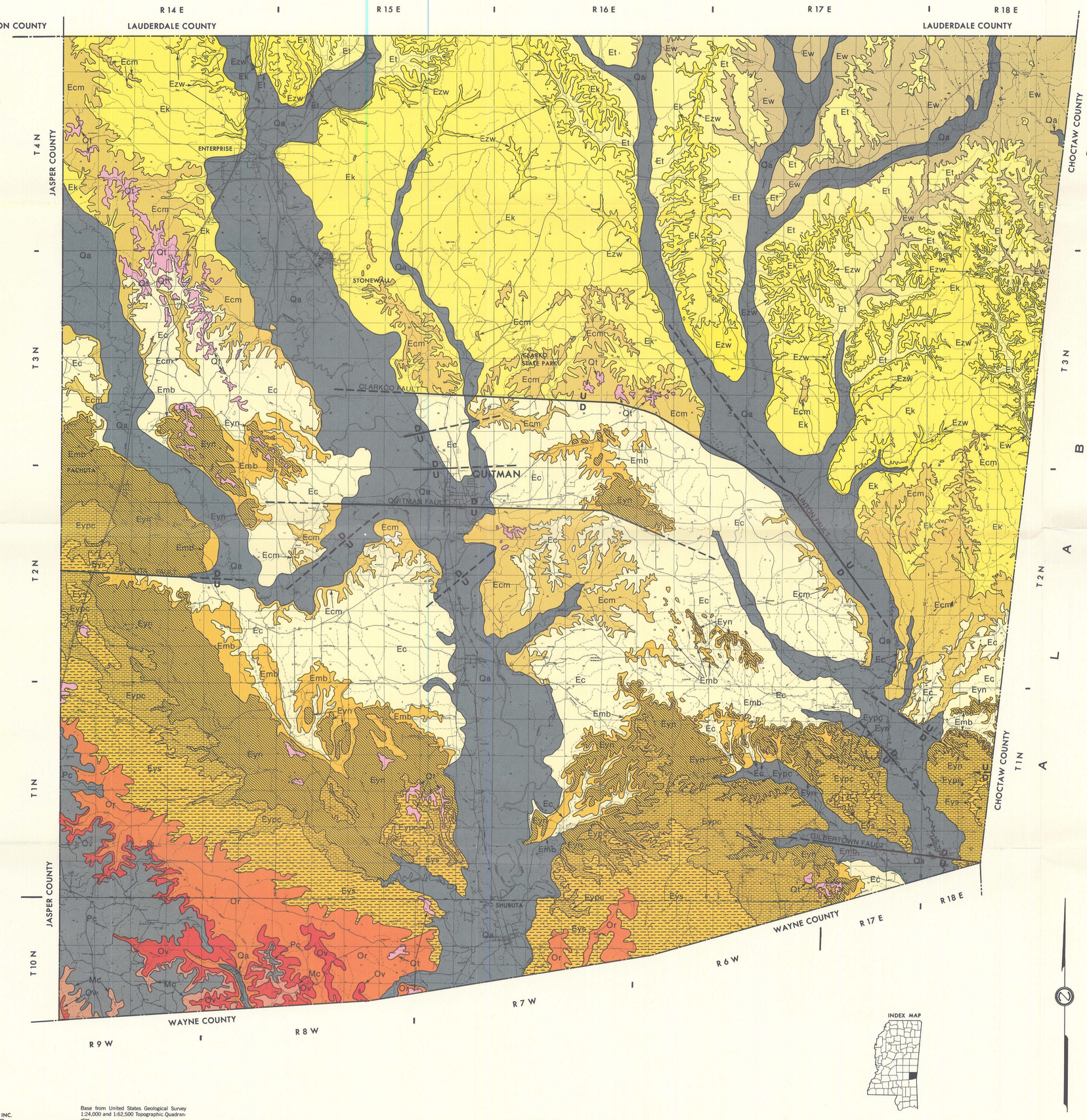

CLARKE COUNTY, MISSISSIPPI

GEOLOGIC MAP

GEOLOGY BY WILLIAM A. GILLILAND

MISSISSIPPI GEOLOGICAL SURVEY

SCALE

1 0 1 2 3 4 MILES

THIS MAP IS BASED ON DATA AVAILABLE TO THE DATE AUGUST, 1978

APPROXIMATE LOCATION OF SHALLOW FAULT

APPROXIMATE LOCATION OF PROBABLE SHALLOW FAULT

LEGEND

QUATERNARY

RECENT

- **Qa** — Alluvium— sand, fine- to coarse- grained, gravel; clay and silt; includes low terraces.

PLEISTOCENE

- **Qt** — Terrace deposits— sand, fine- to coarse- grained; occasional gravel; local clay lenses.
- **Pc** — Citronelle Formation— sand, fine- to coarse- grained; gravel; local clay lenses.

TERTIARY

MIOCENE

- **Mc** — Catahoula Formation— sand, fine- to medium- grained, silt, clay.

OLIGOCENE

- **Ov** — Vicksburg Group— includes in descending order:
  Bucatunna Formation—clay, carbonaceous;
  Byram Formation— marl, fossiliferous;
  Glendon Formation— limestone and marl, fossiliferous;
  Marianna Formation— limestone, fossiliferous, clayey;
  Mint Spring Formation— marl, fossiliferous, sandy.
- **Or** — Red Bluff Formation— clay, fossiliferous, carbonaceous, sandy marly, silty.

EOCENE

- **Eys / Eypc / Eyn** — Jackson Group— includes in descending order:
  Yazoo Formation—
  Shubuta Clay Member (Eys);
  Pachuta Marl and Cocoa Sand Members (Eypc);
  North Twistwood Creek Clay Member (Eyn).
- **Emb** — Moodys Branch Formation— marl, fossiliferous, clayey, glauconitic.
- **Ec** — Claiborne Group— includes in descending order:
  Cockfield Formation— sand, fine- to medium- grained, clayey lignitic.
- **Ecm** — Cook Mountain Formation— Gordon Creek Shale Member; Potterchitto Member; Archusa Marl Member.
- **Ek** — Kosciusko Formation— sand, fine- to coarse- grained, lignitic, clayey.
- **Ezw** — Zilpha Formation and Winona Formation— Zilpha- clay, silty, carbonaceous; Winona- sand, marly, fossiliferous, glauconitic.
- **Et** — Tallahatta Formation— Basic City Shale Member; Meridian Sand Member.
- **Ew** — Wilcox Group— includes in descending order:
  Hatchetigbee Formation— clay, sandy, lignitic;
  Bashi Formation— marl, sandy, fossiliferous, glauconitic;
  Tuscahoma Formation— sand, lignitic, clayey, marly.

PREPARED BY
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JACKSON, MISSISSIPPI

Base from United States Geological Survey 1:24,000 and 1:62,500 Topographic Quadrangles.