UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

R. 23 E. 82°00′ R. 24 E. 81°50′ R. 25 E. R. 26 E. 81°40′ R. 27 E.

T. 33 S. T. 34 S. T. 35 S. T. 36 S. T. 37 S. T. 38 S. T. 39 S.

27°30′ 27°20′ 27°10′

Bowling Green Wauchula Zolfo Springs Ona Limestone Gardner Brownville Arcadia Nocatee Ft. Ogden

Paynes Creek Horse Creek Prairie Creek Joshua Creek Apopka Creek Charlie Creek PEACE RIVER

STATE 62 STATE 64 STATE 664 STATE 661 STATE 652 STATE 650 STATE 636 STATE 70 STATE 72 STATE 760 STATE 660 US 17 US 17

HARDEE CO DE SOTO CO

EXPLANATION

QUATERNARY

Recent

Qrs — River sediments
Phosphatic sand and gravel

Pleistocene

Flood plain or deltaic deposits
Stratified sand and clayey sand; heavy dot pattern represents fresh-water lake deposits, limestone and calcareous clayey sand

TERTIARY

Pliocene

Tc — Caloosahatchee marl
Sand and clayey sand; contains large marine fauna

Upper Miocene

Ts — Gray to green sand and clayey sand
Contains abundant marine invertebrates, minor phosphate nodules

Lower and middle Miocene

Th — Hawthorn formation
Phosphatic sandy limestone; contains molds and casts of marine invertebrates

Middle Miocene to Pliocene

Tp — Undifferentiated phosphatic sand and clay
Phosphate nodules, sand, and clay. Includes Bone Valley formation and residuum of Hawthorn formation

Contact, dashed where approximately located

Outcrops, pits, or exposures

Drill hole

Paved road

Dirt road
Graded or ungraded

Abandoned road

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.
M R-2189

GEOLOGIC MAP SHOWING LOCATION OF OUTCROPS AND DRILL HOLES IN PARTS OF HARDEE AND DE SOTO COUNTIES, FLORIDA

0 10 Miles