UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BULLETIN 1162-G
PLATE I

GEOLOGIC MAP OF THE LAKELAND QUADRANGLE, FLORIDA

EXPLANATION

Loose quartz sand of Pleistocene and Recent age not shown

Pliocene

Tbu

Tbl

Bone Valley Formation

Tbu, *upper unit, white, gray, or green-gray clayey sand with minor phosphate.*
Tbl, *lower unit, phosphorite (sand, clay, and gravel, and abundant phosphate)*

Miocene

Thu

Thl

Hawthorn Formation

Thu, *upper part, olive-green micaceous clayey sand, minor black phosphate.*
Thl, *lower part, limestone, dolomite, or calcareous clay*

TERTIARY

Contact
Dashed where approximately located; short dashed where inferred

Approximate subsurface extent of the lower unit of the Bone Valley Formation
Hachures point to areas where lower unit is absent

Fault (in subsurface)
U, *upthrown side;* D, *downthrown side*

Mine

D 11
Drill hole location and number

1 — 2
Section, showing location of drill holes

Base from Army Map Service sheets

Compiled by J. B. Cathcart, 1960 from drilling data, mine maps, and gamma logs

SCALE 1:48000

1 0 1 2 3 MILES
1 5 0 1 2 3 KILOMETERS

DATUM IS MEAN SEA LEVEL

TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION, 1964

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