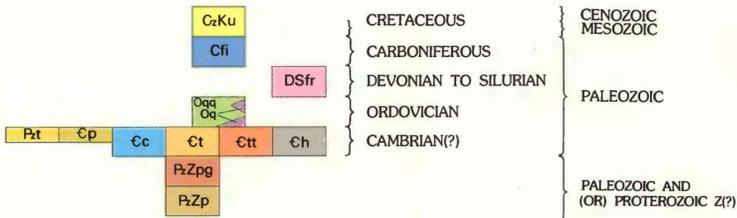


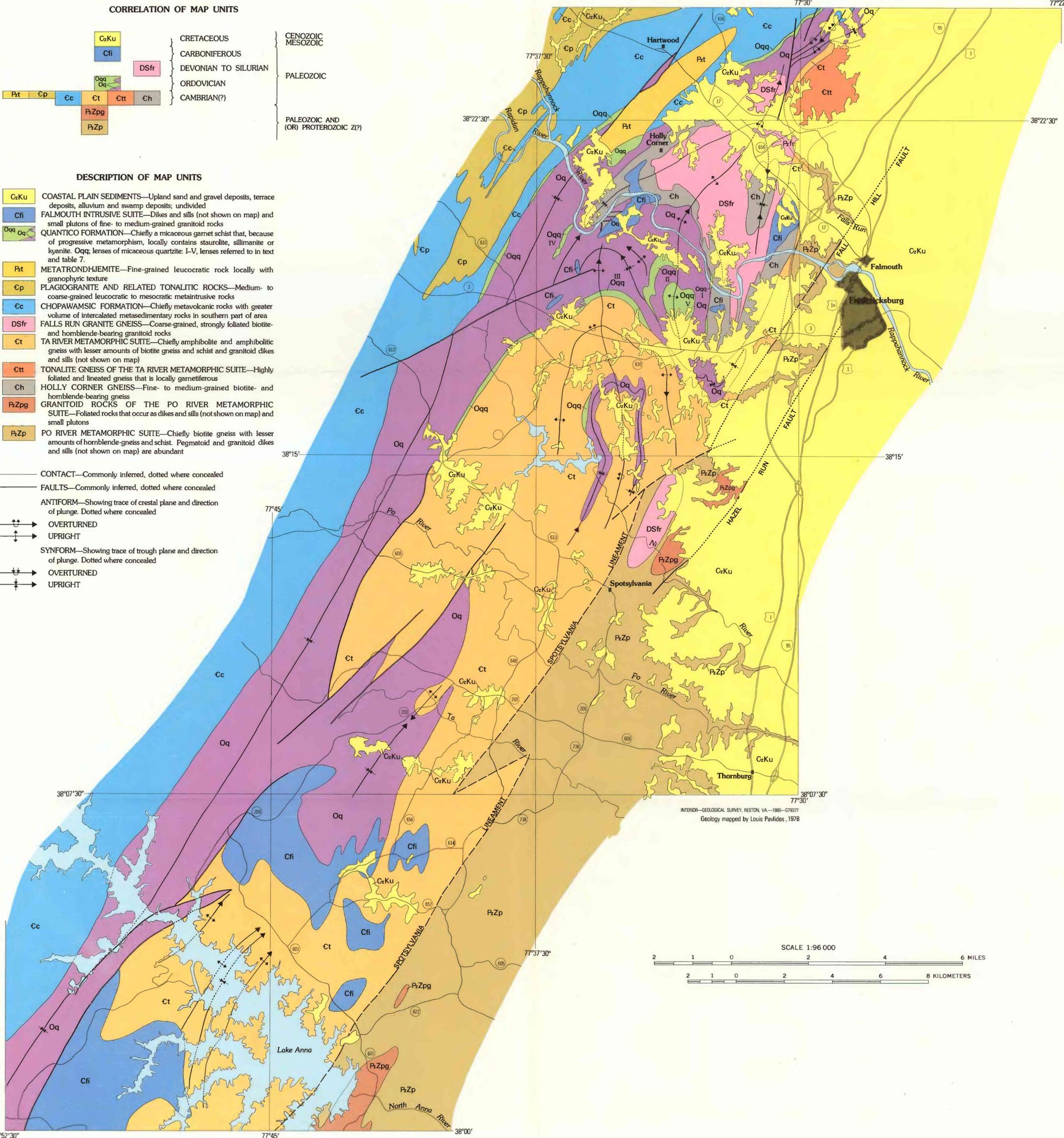
CORRELATION OF MAP UNITS



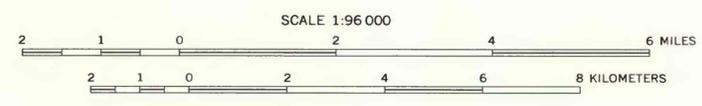
DESCRIPTION OF MAP UNITS

- CzKu** COASTAL PLAIN SEDIMENTS—Upland sand and gravel deposits, terrace deposits, alluvium and swamp deposits; undivided
- Cfi** FALMOUTH INTRUSIVE SUITE—Dikes and sills (not shown on map) and small plutons of fine- to medium-grained granitoid rocks
- Oqq, Oq** QUANTICO FORMATION—Chiefly a micaceous garnet schist that, because of progressive metamorphism, locally contains staurolite, sillimanite or kyanite. Oqq; lenses of micaceous quartzite. I-V, lenses referred to in text and table 7.
- Pzt** METATRONDHJEMITE—Fine-grained leucocratic rock locally with granophyric texture
- Cp** PLAGIOGRANITE AND RELATED TONALITIC ROCKS—Medium- to coarse-grained leucocratic to mesocratic metaintrusive rocks
- Cc** CHOPAWAMSIK FORMATION—Chiefly metavolcanic rocks with greater volume of intercalated metasedimentary rocks in southern part of area
- DSfr** FALLS RUN GRANITE GNEISS—Coarse-grained, strongly foliated biotite- and hornblende-bearing granitoid rocks
- Ct** TA RIVER METAMORPHIC SUITE—Chiefly amphibolite and amphibolitic gneiss with lesser amounts of biotite gneiss and schist and granitoid dikes and sills (not shown on map)
- Ctt** TONALITE GNEISS OF THE TA RIVER METAMORPHIC SUITE—Highly foliated and lineated gneiss that is locally garnetiferous
- Ch** HOLLY CORNER GNEISS—Fine- to medium-grained biotite- and hornblende-bearing gneiss
- Pzpg** GRANITOID ROCKS OF THE PO RIVER METAMORPHIC SUITE—Foliated rocks that occur as dikes and sills (not shown on map) and small plutons
- PzZp** PO RIVER METAMORPHIC SUITE—Chiefly biotite gneiss with lesser amounts of hornblende-gneiss and schist. Pegmatoid and granitoid dikes and sills (not shown on map) are abundant

- CONTACT—Commonly inferred, dotted where concealed
- FAULTS—Commonly inferred, dotted where concealed
- ANTIFORM—Showing trace of crestal plane and direction of plunge. Dotted where concealed
- ↔ OVERTURNED
- ↕ UPRIGHT
- SYNFORM—Showing trace of trough plane and direction of plunge. Dotted where concealed
- ↔ OVERTURNED
- ↕ UPRIGHT



INTERIOR—GEOLOGICAL SURVEY, RESTON, VA.—1980—G79377
Geology mapped by Louis Pavides, 1978



Base from U.S. Geological Survey, 1978

**GENERALIZED GEOLOGIC MAP OF THE PIEDMONT IN THE
FREDERICKSBURG, VIRGINIA, AREA AND VICINITY**