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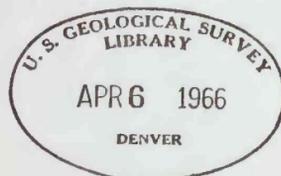
66-69

Preliminary Engineering Geology

of Fayette County, Kentucky

by Charles G. Johnson

This document has not been edited or reviewed for conformity with U. S. Geological Survey standards or nomenclature.



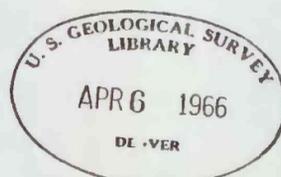
Generalized stratigraphic column

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IN BACK OF BOUND VOLUME

Group Formation and Member	Map unit no.	Lithology	Thickness (feet)	Description
Alluvium	1		0-20	Alluvium, silty fine sand, unconsolidated, on valley bottoms
High-level gravel deposits	2		0-35	High-level gravel deposits, clayey sand, gravel and boulders, unconsolidated, on hilltops above Kentucky River
Calloway Creek Limestone	10		50+	Shale and limestone, interbedded
Garrard Siltstone	5		35-45	Siltstone, greenish-gray, thin-bedded, with some limestone
Clays Ferry Formation	10		140-190	Shale and limestone, interbedded, thin-bedded, gradational with rock units above and below and horizontally
Millersburg Member	4		?	(4) Dolomite and shale interbedded, thin-bedded, bounded by faults. Drakes Formation
Tanglewood Limestone Member	9		50-80	Limestone; thin, even bedding; small but varying amounts of shale, phosphatic; gradational with rock units above and below and horizontally
Brannon Member	10			
Grier Limestone Member	9		170-190	Limestone; thin, irregular bedding; some shale partings, rubbly, lenticular, slightly phosphatic
Member	8			
Curdsville Limestone Member	3		?	(3) Breccia, angular fragments and blocks of dolomite and limestone in silt and clay matrix, unconsolidated. Probably derived from Ashlock Formation or Drakes Formation
Tyrone Limestone	7		60	Limestone, partly dolomitic, light-gray to brown mottled, very fine crystalline with scattered crystals and veinlets of clear calcite, some chert layers, thin to massive beds, some thin bentonitic shale beds (s)
Oregon Formation	6		60	Dolomite with lesser amounts of limestone, light-brown to gray, thin to medium beds, some thin bentonitic shale beds (s)
Camp Nelson Limestone	7		150	See 7 above

- Sand
- Irregularly bedded limestone with fossils
- Sand and clay
- Even bedded limestone partly detrital
- Sand, clay and gravel
- Siltstone with limestone beds
- Dolomitic limestone
- Shale
- Dolomite
- Shale with limestone beds

Sheet I



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