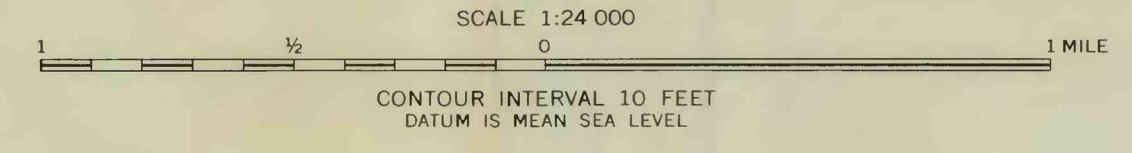


EXPLANATION

<p><b>Recent</b></p> <p>Upper Recent</p> <p>Lower Recent</p> <p><b>Upper Wisconsin</b></p> <p>Lower Wisconsin</p> <p><b>Pleistocene</b></p> <p>Illinoian or Sangamonian</p> <p>Kansan or Fairmount</p> <p>Nevadan or Altonian and Eolian</p> <p><b>Upper Cretaceous and Paleocene</b></p> <p><b>Upper Cretaceous</b></p> <p><b>Lower Cretaceous</b></p>	<p>Post-Pine Creek alluvium</p> <p>Pine Creek alluvium</p> <p>Eolian sand</p> <p>Pre-Pine Creek alluvium</p> <p>Broadway alluvium</p> <p>Younger loess</p> <p>Louviers alluvium</p> <p>Older loess</p> <p>Slocum alluvium</p> <p>Qs, pediment deposits</p> <p>Qst, equivalent fill terrace along large streams</p> <p>Verdes alluvium</p> <p>Volcanic ash at base, va</p> <p>Rocky Flats alluvium</p> <p>Dawson arkose</p> <p>Laramie formation</p> <p>Fox Hills sandstone</p> <p>Pierre shale</p> <p>Niobrara formation</p> <p>Carlile shale</p> <p>Greenhorn limestone</p> <p>Graneros shale</p> <p>South Platte formation</p> <p>Lyle formation</p>	<p>Morrison formation</p> <p>Ralston Creek formation</p> <p>Lykins formation</p> <p>Lyons sandstone</p> <p>Fountain formation</p> <p>Biotite-muscovite granite</p> <p>Granite gneiss and migmatite</p> <p>Amphibolite</p>	<p><b>Upper Jurassic</b></p> <p><b>PERMIAN(?) AND TRIASSIC(?)</b></p> <p><b>PERMIAN</b></p> <p><b>PENNSYLVANIAN</b></p> <p><b>PERMIAN</b></p> <p><b>PRECAMBRIAN</b></p>	<p><b>QUATERNARY</b></p> <p><b>TERTIARY</b></p> <p><b>CRETACEOUS</b></p>	<p>Contact</p> <p>Dashed where approximately located</p> <p>Scarp of younger surface cut into older deposit</p> <p>Fault, showing dip</p> <p>Dashed where inferred; dotted where concealed</p> <p>Strike and dip of beds</p> <p>Strike of vertical beds</p> <p>Strike and dip of foliation</p> <p>Strike and dip of foliation with horizontal lineation</p> <p>Strike and dip of joints</p> <p>Gravel pit</p> <p>Dry hole</p> <p>Open-pit clay mine</p> <p>Abandoned shaft to coal mine</p> <p>Most are backfilled</p> <p>D1732</p> <p>D448</p> <p>Cretaceous fossil locality</p> <p>Pleistocene fossil locality</p>
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GEOLOGIC MAP OF THE LITTLETON QUADRANGLE, JEFFERSON DOUGLAS, AND ARAPAHOE COUNTIES, COLORADO



Base map by Topographic Division U. S. Geological Survey, 1957

Geology mapped by Glenn R. Scott in 1957

