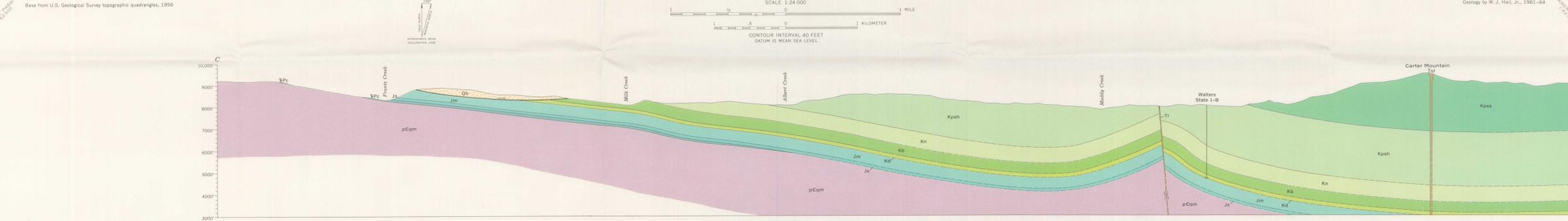


EXPLANATION

	Qal Alluvium Flood-plain deposits to present valley bottoms		Qc Colluvium, hillwash, talus, and other surficial rubble Shown only where extensive or where significant bedrock geology is covered
	Qb Block slide deposit Letters other than Qb indicate bedrock involved: Qbm, Morrison Formation; Qbd, Dakota Sandstone; Qbb, Benton Shale; Qbn, Niobrara Formation		Qls Landslide deposits
	Qst Stream terrace deposits Sand and gravel on stream terraces at various levels in valley of Muddy Creek		Qg Pediment gravels
	Qt Glacial till(?) Till-like gravel deposits		Trb Rabbit Ears Volcanics and younger extrusive rocks Trb, volcanic breccia and lesser ash, tuff; locally buff flow breccia, and volcanic conglomerate Trs, trachyte
	Tta, Tt, Ttr, Ttd, Ttl, Ttr Intrusive igneous rocks Ttb, trachyte Tta, trachyte Tt, tuff Ttr, quartz latite Ttr, rhyolite Tl, trachyte		Tnp North Park Formation Calcareous nodular sandy sandstone and siltstone, volcanic-ash conglomeratic, and volcanic ash
	Tcm Tcmp Caimont Formation Tcm, middle number: brown to gray orbiculate sandstone, conglomeratic, and conglomeratic sandstone, sandy claystone or mudstone; brown carbonaceous shale, at least one thin coal bed in lower part above the Mack Shale Tcmp, Mack Shale Tcm, Member: brown to gray interbedded orbiculate sandstone, conglomeratic, sandy claystone or mudstone, and volcanic rock-plate conglomerate		Kss Kosh Pierre Shale Kss, sandy member: interbedded brown to gray calcareous sandstone, siltstone, and shale; minor clay-pellic conglomerate Ksh, shaly member: gray shale, silty to sandy in upper part, micaceous except near base
	Kb Benton Shale Interbedded brown calcareous sandstone, sandy limestone, and dark calcareous shale in upper part; dark calcareous to micaceous shale in middle part; gray siliceous platy shale in lower part; thin bentonite beds in middle and lower parts		Kd Dakota Sandstone Light-gray to light-brown sandstone and minor siltstone and dark-gray shale in upper part; sandstone, locally conglomeratic, and minor greenish-gray claystone in lower part
	Jm Morrison Formation Vertical-bedded claystone and shale, and light-gray to brownish or greenish-gray calcareous sandstone and siltstone		Jn Sandstone Formation Gray to greenish-gray glauconitic sandstone and shale in upper part; light-gray to light-red sandstone in lower part
	Jpc Chagwater Formation Red shale, siltstone, and sandstone		pCqm Intrusive quartz monzonite

Dashed where approximately located; short dashed where inferred; dotted where concealed
 High-angle fault
 Dashed where approximately located; short dashed where inferred; dotted where concealed; U, upstream side; D, downstream side
 Anticline
 Shaping crestline. Dashed where approximately located; dotted where concealed
 Syncline
 Shaping trough line. Dashed where approximately located; short dashed where inferred; dotted where concealed
 Strike and dip of beds
 Deberard State 1
 Dry hole
 g⁵
 Fossil locality
 x⁵⁰
 Rock-sample locality



GEOLOGIC MAP AND SECTION OF THE LAKE AGNES AND WHITELEY PEAK QUADRANGLES, COLORADO