

39°47'30"

105°38'45"

37°30"

36°15"

35°00"

105°33'45"

35°47'30"

46°15"

39°45'

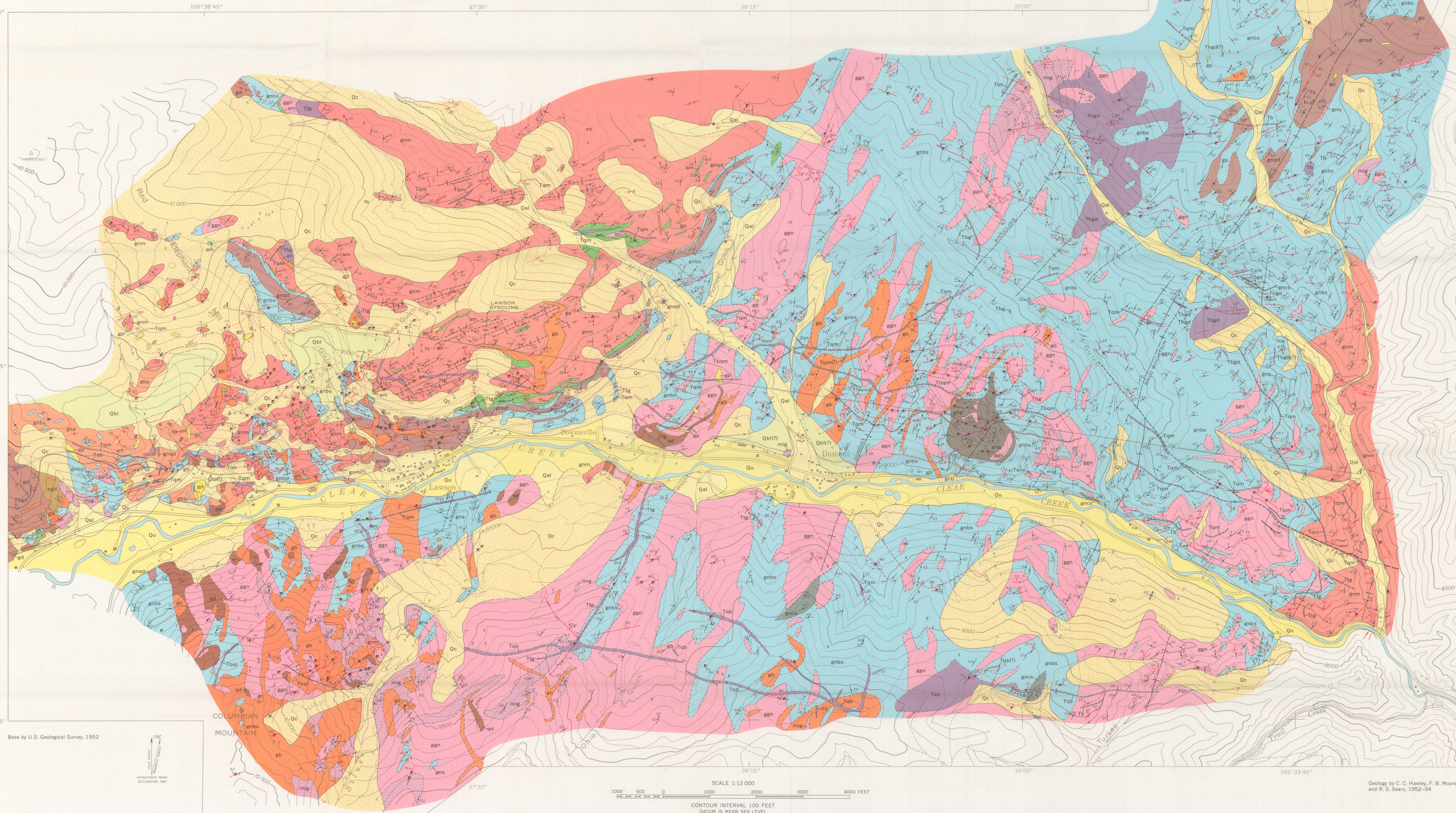
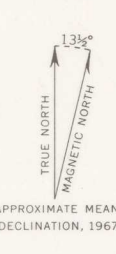
105°38'45"

SCALE 1:12 000
CONTOUR INTERVAL 100 FEET
DATUM IS MEAN SEA LEVEL

105°33'45"

Geology by C. C. Hawley, F. B. Moore,
and R. S. Sears, 1952-54

Base by U.S. Geological Survey, 1952



EXPLANATION

	Colluvium Solifluction debris, talus, and residual deposits; includes lateral moraine deposits in Silver Creek valley		Alluvium		Lateral moraine deposits Of late stage (T), Ball Lake age
<p>Porphyritic igneous rocks Petrographic types identified by letter symbols: Tbn, biotite-quartz latite porphyry Tqb, quartz-biotite porphyry Ttg, trachytic granite porphyry Tb, biotitic porphyry Tbs, hornblende-biotite porphyry Tbam, biotite-quartz monzonite porphyry Tbm, quartz monzonite porphyry Tbgd, biotite-granodiorite porphyry Tbgd, hornblende-granodiorite porphyry</p>					
	Granite pegmatite		Biotite-muscovite granite and pegmatite undivided		Biotite-muscovite granite
	Quartz diorite		Granodiorite		Porphyritic granodiorite
	Granite gneiss and pegmatite		Migmatite Mixed rock composed of interlayers of biotite gneiss and granite gneiss and pegmatite		Hornblende
	Quartz diorite gneiss		Tonalite gneiss		Microlite gneiss
	Amphibolite		Calc-silicate gneiss		Quartz gneiss
	Garnetiferous biotite gneiss		Biotite-quartz-plagioclase gneiss		Biotite-quartz gneiss, commonly sillimanitic
	Biotite gneiss				

Relative ages unknown

	Contact, showing dip Dashed where approximately located; short dashed where inferred
	Major or through-going unit
	Minor or discontinuous unit, quarred at end of projection
	Concealed contacts
	Fault, showing dip Dashed where approximately located; short dashed where inferred; dotted where concealed
	Anticline
	Syncline
	Fold, showing trace of axial plane Dashed where approximately located; short dashed where inferred
	Monocline, approximate axis
	Minor drag fold, showing plunge of axis and dip of axial plane
	Large drag fold, showing trace of axial plane
	Lamination, showing plunge May be combined with foliation symbols. X indicates boudins; other lineations not differentiated
	Inclined
	Vertical
	Combined with horizontal lineation
	Strike and dip of foliation
	Vein, showing dip Dashed where approximately located; short dashed where inferred; dotted where concealed
	Shaft
	Adit
	Prospect pit

QUATERNARY

TERTIARY

PRECAMBRIAN

GEOLOGIC MAP AND SECTION OF THE LAWSON-DUMONT-FALL RIVER DISTRICT
CLEAR CREEK COUNTY, COLORADO

