EXPLANATION

The maps indexed are published areal geologic maps on scales larger than 1:2,500,000 (40 miles to the inch) and mine maps that show geologic boundaries. The areas covered by the maps are outlined by colored lines that indicate scale, except those that are less than 1 mile on any side, which are shown by the symbol x. Maps that show only a part of the geologic formations or contain blank areas are outlined by short dashed lines. The number inside the colored outline identifies each geologic map in the key. Structure sections, block diagrams, and structure contour maps without geologic boundaries are omitted in this compilation.

SCALES INDICATED BY COLORED LINES

Scale larger than 1:38,400, or 3,200 feet to the inch.
Scale 1:38,400 to 1:76,800, or 3,200 to 6,400 feet to the inch.
Scale 1:76,800 to 1:153,600, or 1.21 to 2.42 miles to the inch.
Scale 1:153,600 to 1:307,200, or 2.42 to 4.85 miles to the inch.
Scale 1:307,200 to 1:614,400, or 4.85 to 9.70 miles to the inch.
Scale 1:614,400 to 1:1,228,800, or 9.70 to 19.39 miles to the inch.
Scale smaller than 1:1,228,800, or 19.39 miles to the inch.

MAPS CONTAINING SOME BLANK AREAS

Scale larger than 1:38,400, or 3,200 feet to the inch.
Scale 1:38,400 to 1:153,600, or 3,200 to 12,800 feet (2.42 miles) to the inch.
Scale 1:153,600 to 1:614,400, or 2.42 to 9.70 miles to the inch.
Scale smaller than 1:614,400, or 9.70 miles to the inch.

STATE MAP

Geologic map of Colorado, by W. S. Burbank, T. S. Lovering, E. N. Goddard, and E. B. Eckel, scale 1:500,000: U. S. Geological Survey, 1935. (Prepared in cooperation with Colorado State Geological Survey Board and Colorado Metal Mining Fund.)

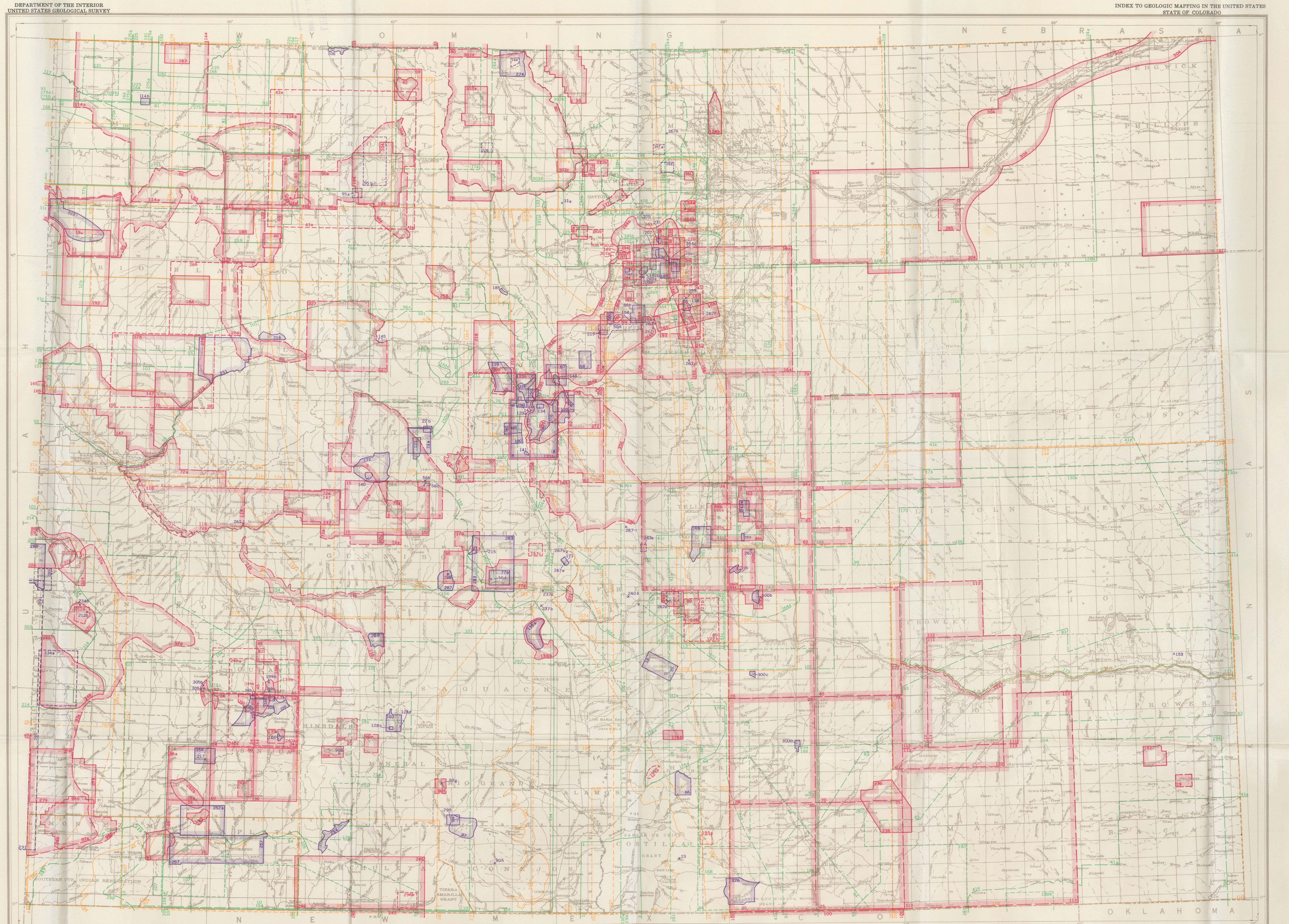
KEY TO INDEX MAP

The publications are listed chronologically, except those containing maps of the same or similar areas, which are indicated by one outline to which only one key number is given.

1. 1873-1879. Wheeler, G. M, Geological atlas projected to illustrate geographical explorations and surveys west of the 100th meridian of longitude. Sheet 69-B, 1:250,000.
2. 1876. Hayden, F. V., Geology along the eastern base of the Front or Colorado Range: U. S. Geol. and Geog. Survey of the Territories, 8th Ann. Rept., pp. 40-46. Pl. 5, 1:62,500, F. V. Hayden and W. H. Holmes.
3. 1876. Hayden, F. V., Geology of the northwestern portion of the Elk Range: U. S. Geol. and Geog. Survey of the Territories, 8th Ann. Rept., pp. 59-71. Pl. 33, 1:125,000, F. V. Hayden and W. H. Holmes.
4. 1876. King, Clarence, U. S. Geol. Exploration of the 40th Parallel, Atlas. Maps 1 and 2, 1:253,440.
5. 1876. Powell, J. W., Geology of the eastern portion of the Uinta Mountains and a region of country adjacent thereto: U. S. Geol. and Geog. Survey of the Territories, Atlas. Map, 1:253,440.
6. 1877. Hayden, F. V., Geological and geographical atlas of Colorado and portions of adjacent territory: U. S. Geol. and Geog. Survey of the Territories. Sheets 11-16, 1:253,440.
7. 1885. Hills, R. C., Ore deposits of the Summit district, Rio Grande County: Colorado Sci. Soc. Proc., vol. 1, pp. 20-36. Pl. 1, 1:10,000.
8. 1886. Emmons, S. F., Geology and mining industry of Leadville; U. S. G. S. Mon. 12. Sheets 6 and 7, 1:31,680.
   1882. Emmons, S. F., Abstract of report on geology and mining industry of Leadville: U. S. G. S. 2d Ann. Rept., pp. 201-290. Pl. 44, 1:31,680.
9. 1887. Hills, R. C., Circulation of water through the strata of the Upper Cretaceous coal measure of Gunnison County: Colorado Sci. Soc. Proc., vol. 2, pt. 2, pp. 127-133. Map p. 128, 1:125,000.
10. 1887. Comstock, T. B., Geology and vein structure of southwestern Colorado: Am. Inst. Min. Eng. Trans., vol. 15, pp. 218-265. Pl. 3, 1:500,000.
11. 1889. White, C. A., Geology and physiography of a portion of northwestern Colorado and adjacent parts of Utah and Wyoming: U. S. G. S. 9th Ann. Rept., pp. 677-712. Pl. 88, 1:750,000.

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

INDEX TO GEOLOGIC MAPPING IN THE UNITED STATES
STATE OF COLORADO



GEOLOGIC MAP INDEX OF COLORADO

Compiled by Leona Boardman

Scale 1:750,000

10 5 0 10 20 30 MILES

Revised
1954

... America Bull., vol. 45, pp. 1001-1016. (a) Fig. 3, 1:250,000, (b) fig. 4, 1:250,000, (c) fig. 5, 1:250,000.

151. 1934. Johnson, J. H., Geology of the Golden area: Colorado School of Mines Quart., vol. 29, no. 4. Map p. 27, 1:50,000, after map by F. M. Van Tuyl and R. L. McLaren. Area similar to No. 184, map p. 46; includes area in No. 139, pl. 15. (Map p. 26, 1:100,000, is same as No. 88.)
152. 1934. Sanders, C. W., Jr., Geology of Two Buttes dome in southeastern Colorado: Am. Assoc. Petroleum Geologists Bull., vol. 18, pp. 860-870. Fig. 3, 1:62,500.
153. 1934. Dane, C. H., and Pierce, W. G., Fossil sink holes in Cretaceous beds of Prowers County: Am. Assoc. Petroleum Geologists Bull., vol. 18, pp. 1493-1505. Fig. 2, 1:2,400.

171. 1936. Behre, C. H., Jr., Osborn, E. F., and Rainwater, E. H., Contact ore deposition at the Calumet iron mine: Econ. Geology, vol. 31, pp. 781-804. Fig. 3, 1:31,680. Also larger-scale map.
172. 1937. Vanderwilt, J. W., Geology and mineral deposits of the Snowmass Mountain area, Gunnison County: U. S. G. S. Bull. 884. Pl. 1, 1:31,680. Also mine maps.
173. 1937. Dane, C. H., Pierce, W. G., and Reeside, J. B., Jr., Stratigraphy of the Upper Cretaceous rocks north of the Arkansas River: U. S. G. S. Prof. Paper 186, pp. 207-232. Pl. 64, 1:500,000.
174. 1937. Atwood, W. W., Jr., Records of Pleistocene glaciers in the Medicine Bow and Park Ranges: Jour. Geology, vol. 45, pp. 113-140. Fig. 9, 1:375,000.

190. 1939. Behre, C. H., Jr., Goddard, E. N., and Sandberg, A. E., Preliminary geologic map of west slope of Mosquito Range in the vicinity of Leadville, 1:12,000: U. S. G. S. map.
191. 1940. Lovering, T. S., Tungsten deposits of Boulder County: U. S. G. S. Bull. 922-F, pp. 135-156. (a) Pl. 24, 1:500,000 (area similar to No. 161, fig. 1, No. 196, fig. 1, and No. 240, pl. 11), (b) pl. 25, 1:62,500.
   1938. Lovering, T. S., and Goddard, E. N., Laramide igneous sequence and differentiation in the Front Range: Geol. Soc. America Bull., vol. 49, pp. 35-68. (a) Fig. 1, 1:937,500.
   1938. Lovering, T. S., and Goddard, E. N., Geologic map of the Front Range mineral belt, explanatory text: Colorado Sci. Soc. Proc., vol. 14, pp. 3-48. (a) Pl. 1, 1:500,000.

239. 1947. Pike, W. S., Jr., Intertonguing marine and nonmarine Upper Cretaceous deposits of New Mexico, Arizona, and southwestern Colorado: Geol. Soc. America Mem. 24. Pl. 10, 1:500,000.
240. 1947. Vanderwilt, J. W., Burbank, W. S., and Traver, W. M., Jr., Mineral resources of Colorado: Colorado Min. Res. Board. (a) Pl. 28, 1:125,000, (area similar to No. 297, pl. 2), (b) pl. 34, 1:600 (same as No. 267, pl. 7). (Pl. 11, 1:500,000, has area similar to No. 161, fig. 1, No. 191-a, and No. 196, fig. 1; pl. 16, 1:31,680, has area similar to No. 231; pl. 19, 1:62,500, has area similar to No. 280; pls. 24 and 25, 1:24,000, have same area as No. 229; pl. 30, 1:62,500, has same area as No. 252-a; pl. 32, 1:48,000, has area similar to No. 136-a.)
   1950. Burbank, W. S., Problems of wall-rock alteration in shallow volcanic environments: Colorado School of Mines Quart., vol. 45, no. 1B (Applied geology), pp. 287-319. (a) Pl. 1, 1:125,000.
241. 1947. Moody, J. D., Upper Montana group, Golden area, Jefferson County: Am. Assoc. Petroleum Geologists Bull., vol. 31, pp. 1454-1471. Fig. 2, 1:125,000.
242. 1947. McLaughlin, K. P., Pennsylvanian stratigraphy of Colorado Springs quadrangle: Am. Assoc. Petroleum Geologists Bull., vol. 31, pp. 1936-1981. (a) Fig. 2, 1:40,000, (b) fig. 3, 1:78,125.
243. 1947. Birch, A. F., Temperature and heat flow in a well near Colorado Springs: Am. Jour. Sci., vol. 245, pp. 733-753. Fig. 1, 1:250,000.
244. 1948. Cox, D. C., Fisher, J. O., Odell, J. W., and others, Fluorspar deposits of the Northgate district, Jackson County: U. S. G. S. Strategic Minerals Investig. Prelim. Rept. 3-220. Pls. 4, 1:600, 6, 1:600, and 8, ...