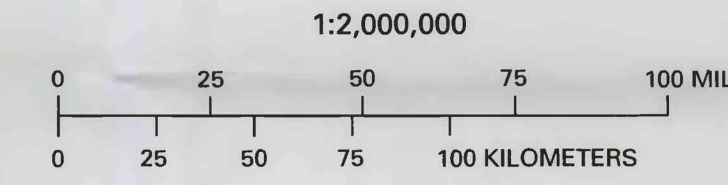
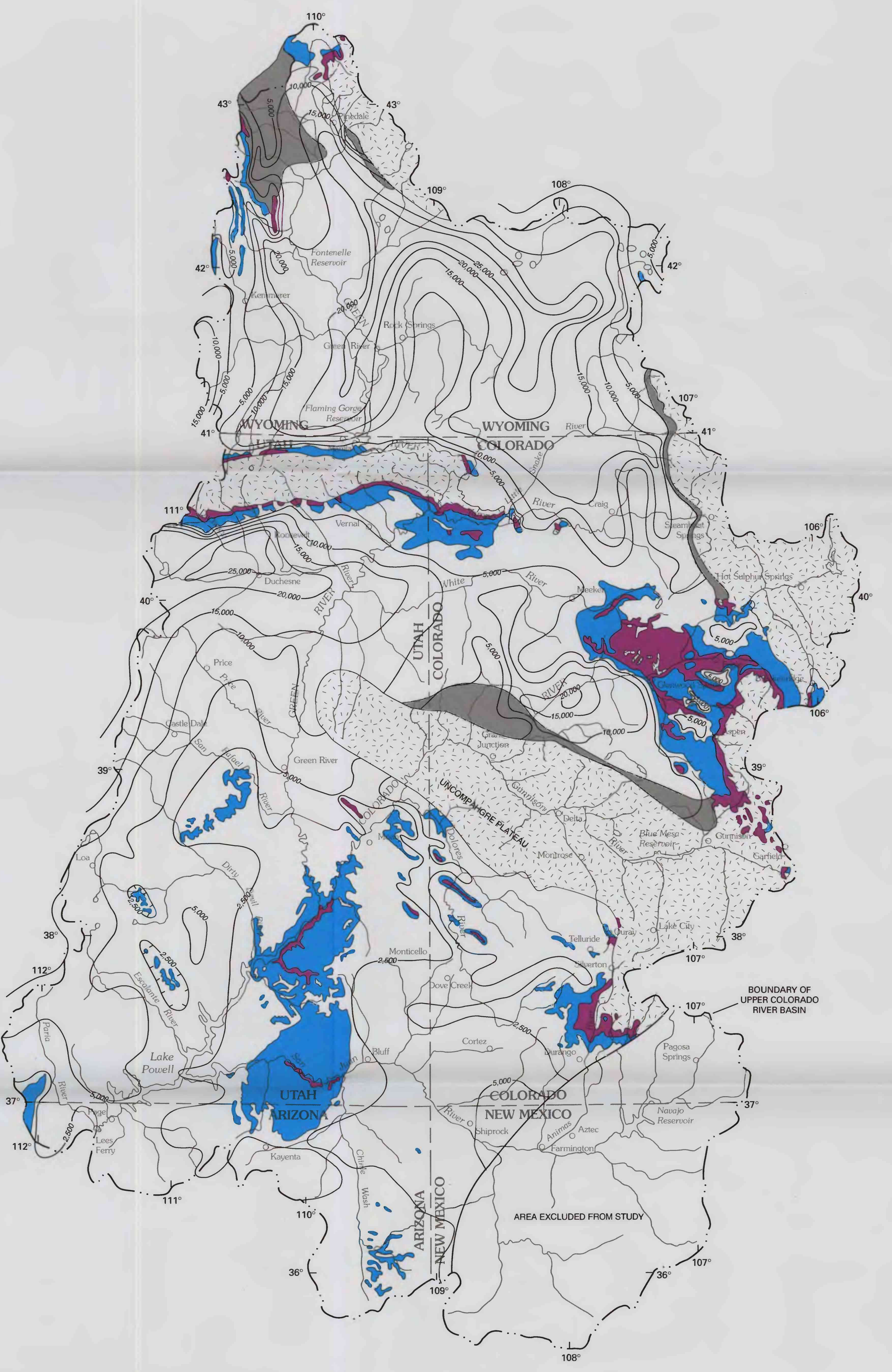


THICKNESS OF PALEOZOIC ROCKS



DEPTH TO TOP OF PALEOZOIC ROCKS

EXPLANATION

- Area where the Paleozoic rocks crop out (generalized). Blue indicates Canyonlands aquifer, purple indicates geologic units below Canyonlands aquifer
- Area where the Paleozoic rocks are missing because of erosion or nondeposition or are thrust beneath Precambrian rocks
- Area where the top of the Paleozoic rocks is below the Canyonlands aquifer (see table 1 for component geologic units)

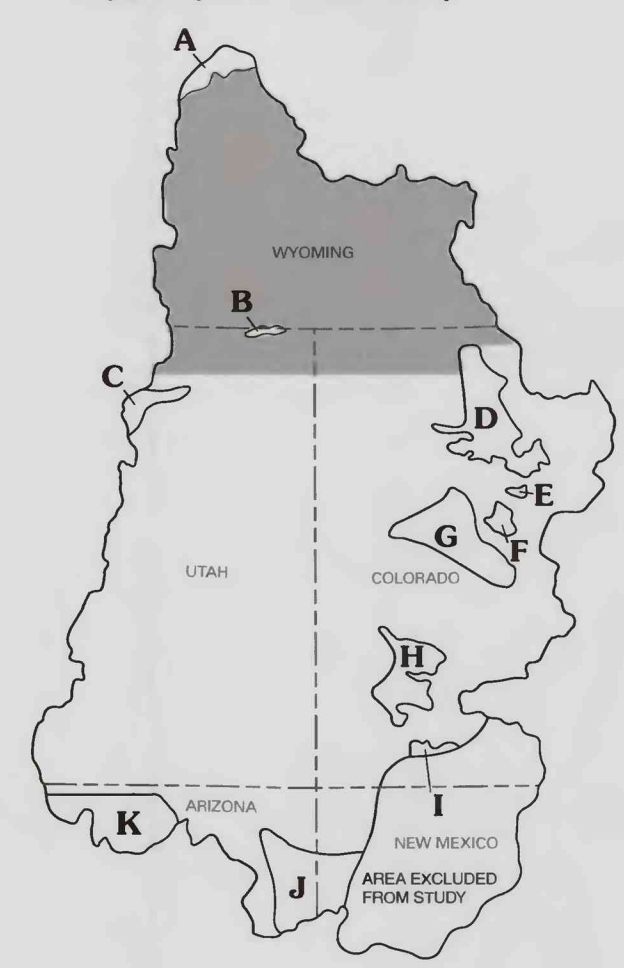
Thickness of Paleozoic rocks

— 1,000 — Line of equal thickness of Paleozoic rocks, excluding Paleozoic rocks above Charleston Thrust Fault in Strawberry Valley area, Utah—Interval generally is 1,000 feet; 2,000 feet in northwestern Colorado near Sawatch Range because of abrupt thickness changes

Depth to top of Paleozoic rocks

— 5,000 — Line of equal depth to top of Paleozoic rocks—Interval north of Uncompahgre Plateau is 5,000 feet; interval to south is 2,500 feet

Sources of information used to complete depth to top of Paleozoic rocks map



- Sources for area**
- A:** Richmond (1945); Wanless and others (1955)
 - B:** Hansen (1965b); Schell (1969)
 - C:** Huddle and McCann (1947b); Huddle and others (1951); Bissell (1952); Baker (1976); Bruce Bryant (U.S. Geological Survey, oral commun., 1990)
 - D:** Donner (1949); Bass and others (1955); Severy (1955); Sharps (1955); Bass and Northrop (1963); Segerstrom and Young (1972); Stewart and others (1972a, 1972b); Snyder (1980a, 1980b); and American Stratigraphic Company (unpublished drilling logs)
 - E:** Hubert (1954); Stewart and others (1972a); Bryant and Martin (1988)
 - F:** Welder (1954); Freeman (1971, 1972); Stewart and others (1972a)
 - G:** Thomas and others (1945); Mull (1960); Bass and Northrop (1963); Lohman (1965); Gaskill and Godwin (1966a, 1966b); Gaskill and others (1967); Godwin (1968); Stewart and others (1972a, 1972b); Collins (1977); and MacLachlan (1987)
 - H:** Eckel and others (1949); Cater (1955a, 1955b); Cater and others (1955); Bush and others (1959, 1960); Donnell (1960); Luedcke and Burbank (1962); Stewart and others (1972a); and American Stratigraphic Company (unpublished drilling logs)
 - I:** Zapp (1949)
 - J:** Harshbarger and Reperning (1954); Strobell (1956); Cooley and others (1964); Stewart and others (1972a); and Hackman and Olson (1977)
 - K:** Gregory and Moore (1931); Phoenix (1963); Wilkind and Thaden (1963); Cooley and others (1964); Stewart and others (1972a, 1972b); and American Stratigraphic Company (unpublished drilling logs)

Except where noted, map prepared from maps showing (1) depth to top of Glen Canyon Group and equivalents, (2) thickness of Glen Canyon Group and equivalents (both from Geoffrey Freethy and Gail Cordy, U.S. Geological Survey, written commun., 1984-85), and (3) thickness of Chinle and Moenkopi Formations and equivalents, either from Freethy and Cordy (written commun., 1984-85) in shaded area or Stewart and others (1972a, 1972b) in unshaded area