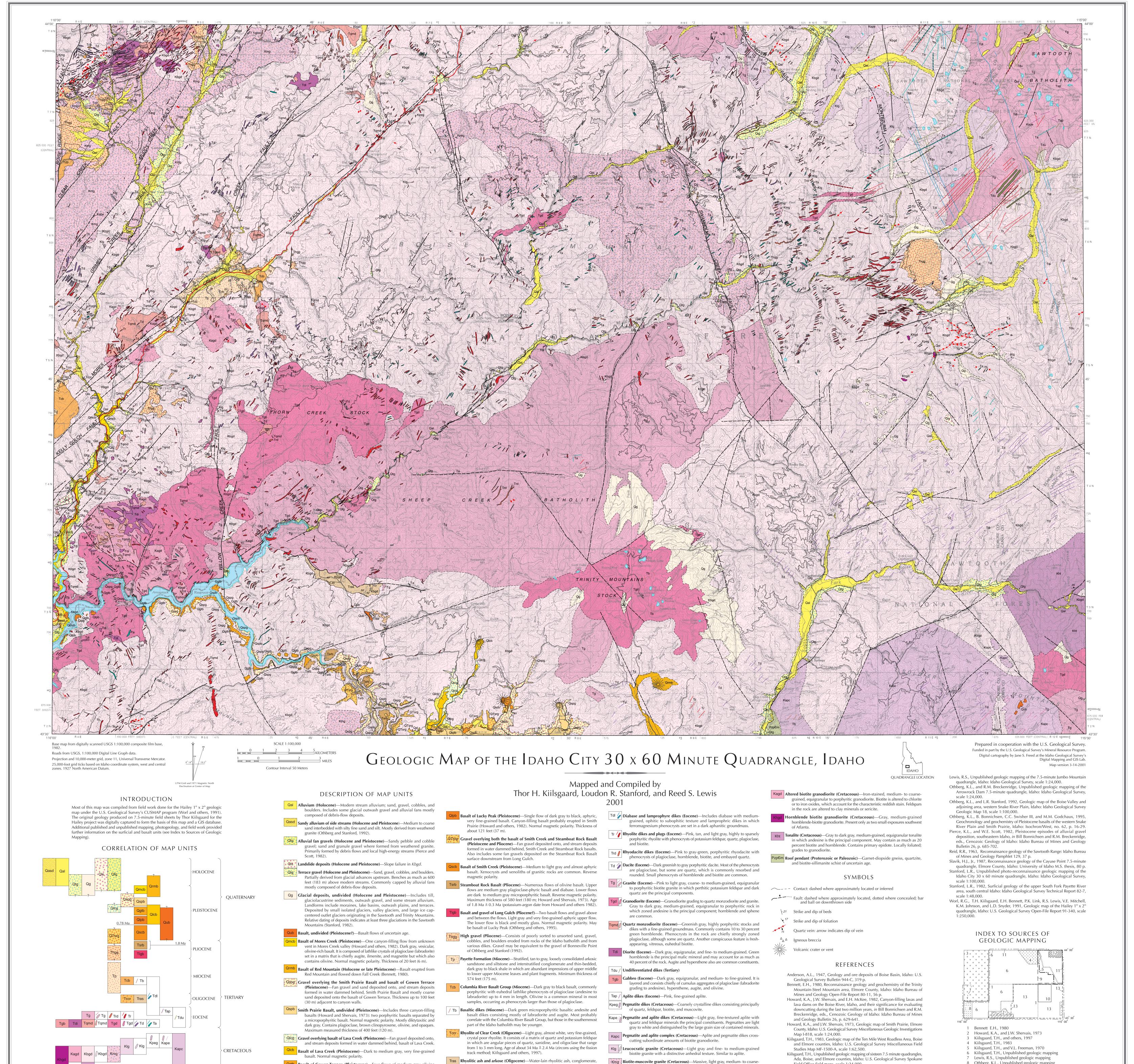
IDAHO GEOLOGICAL SURVEY GEOLOGIC MAP 29 MOSCOW-BOISE-POCATELLO



and arkose. Age of 32.7 Ma  $\pm$  2.7 Ma (zircons using the fission track method;

Ta / Andesite (Eocene)—Dark gray to black, fine-grained, and weakly porphyritic.

The phenocrysts are plagioclase and commonly 2 to 4 mm long.

Kiilsgaard and others, 1997).

Qgtb Basalt of Gowen Terrace (Pleistocene)—Four flows of medium gray olivine

the river. Thickness of about 200 feet (61 m).

PALEOZOIC

PROTEROZOIC

basalt. Canyon-filling basalt probably erupted in Smith Prairie (Howard and

others, 1982). Normal magnetic polarity. Olivine phenocrysts up to 1-3 mm

in diameter. Age of 0.572 Ma ± 0.210 Ma (potassium-argon date from

Othberg and Stanford, 1992). Forms terrace up to 600 feet (183 m) above

8 Othberg, K.L., Unpublished geologic mapping

11 Stanford, L.R., Unpublished geologic mapping

13 Worl, R.G., and others, 1991 (that part mapped by

9 Reid, R.R., 1963

10 Slavik, H.J., Jr., 1987

12 Stanford, L.R., 1982

E.H. Bennett)

Field Office field maps, scale 1:24,000.

Survey Map 7, scale 1:50,000.

Kiilsgaard, T.H., and V.L. Freeman, 1970, Mineral resources of the Sawtooth

Kiilsgaard, T.H., T.M. Scanlan, and D.E. Stewart, 1997, Geology of the Boise

Primitive Area, Idaho: U.S. Geological Survey Bulletin 1319-D, 174 p.

Basin vicinity, Boise, Ada, and Elmore counties, Idaho: Idaho Geological

grained, and equigranular to porphyritic muscovite-biotite (two-mica) granite,

equigranular to porphyritic granodiorite in which oligoclase is the chief

Rbgd / Biotite granodiorite (Cretaceous)—Light gray, medium- to coarse-grained,

grading to granodiorite.

component. Grades to granite.