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Quartzite Deposits in Nebraska

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NEBRASKA GEONOTES

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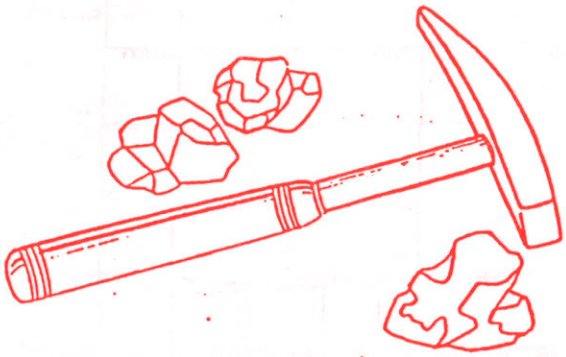

NEBRASKA GEOLOGICAL SURVEY

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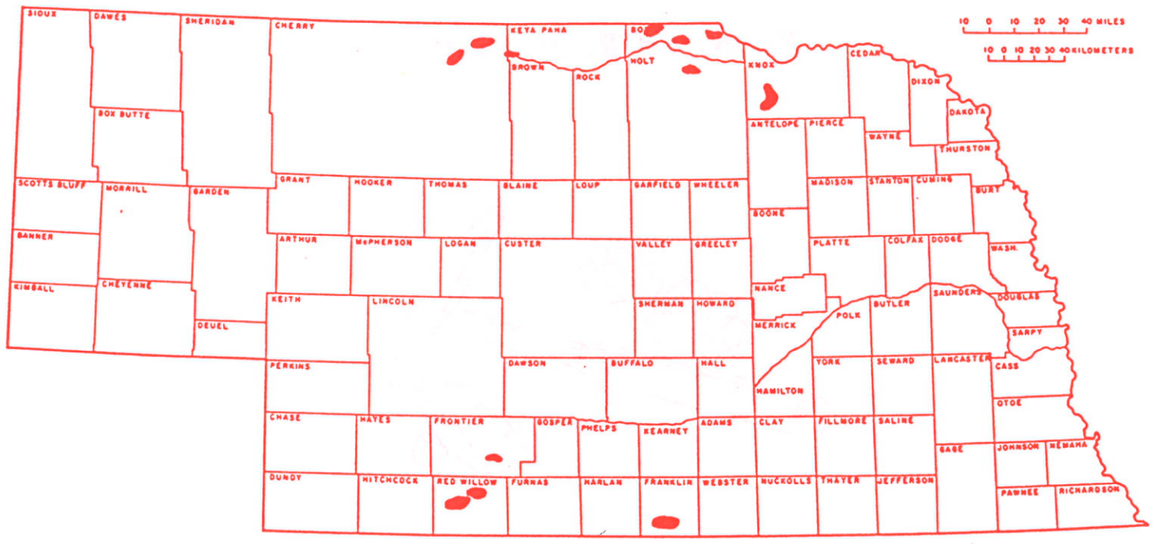

LOCATION MAP OF QUARTZITE DEPOSITS IN NEBRASKA

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QUARTZITE DEPOSITS IN NEBRASKA

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Quartzite is a rock composed mainly of quartz and feldspar grains cemented by opaline silica. There are two kinds of quartzite in Nebraska: native grayish green quartzite described in this report and the reddish or Sioux quartzite of eastern Nebraska brought by glaciers. Our native grayish green quartzite is a fine to coarse grained, extremely hard, cross-bedded rock that forms ledges on sides of valleys. The quartzite occurs as discontinuous lens-like bodies in the Ogallala Formation of Tertiary age.

Uses of the quartzite include mainly dam facings (Harlan County Dam) but has previously been used as crushed rock, railroad ballast, riprap and dimension stone.

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