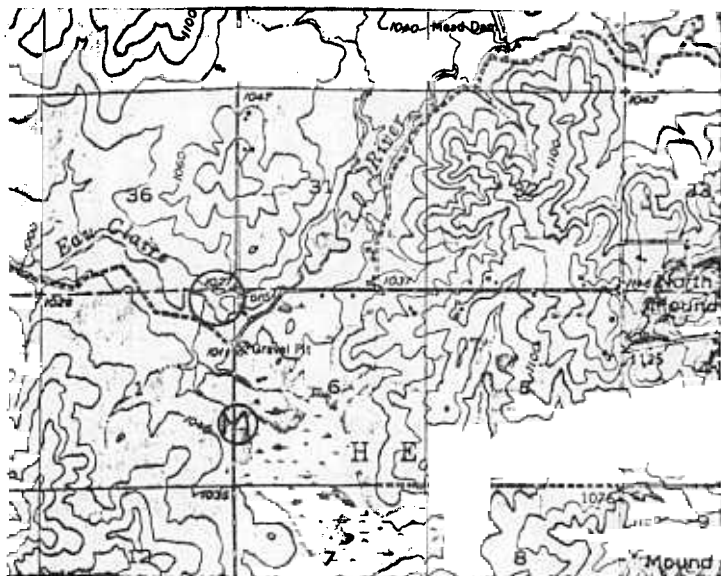


TITLE: Structures in Mica Schist and Quartzite of the Younger(?) Metasedimentary Series

LOCATION: CTH M- south Fork, Eau Claire River: NE 1/4 Sec. , T.26N R.4W



AUTHOR: Paul E. Myers--UW-Eau Claire

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SUMMARY OF FEATURES

Excellent quarry exposure of gently folded muscovite quartzite and kink-banded muscovite-quartz-chlorite(?) schist. An anticlinal axis is exposed on the floor of the quarry (see map, Fig. 1). Some excellent examples of kinkbanding can be seen near the hinge of this fold, which plunges ENE at about 30-40°. The contact between mylonitized granite(?) along Eau Claire River 3 kms west of here, and this rock has not yet been seen in the field.

The quartzite is massive, thick-bedded with occasional quartz clasts up to 0.5 cm. Relict cross-bedding is evidenced by gently intersecting cleavages. Bedding dips gently (35-45°) into the north face of the quarry, where the quartzite is best exposed.

The muscovite-quartz-chlorite(?) schist is pale greenish gray and thinly lenticulated. Foliation is crinkled by cross-folding in the anticline hinge. The schist is much less competent than the quartzite, so it shows the effects of axial flowage in the fold. See Figure 2.

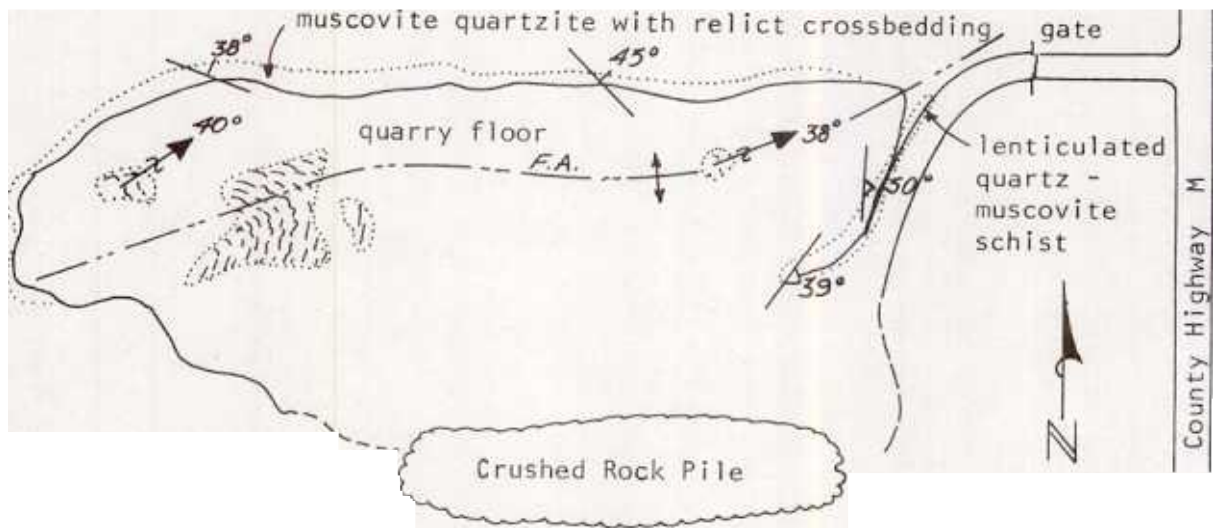


Figure -- Geologic map of quarry showing structural trends



Figure 2 -- Kinkbands in quartz-mica schist near anticlinal axis in quarry floor. Rock fragment not in place. Photo by Gene LaBerge, University of Wisconsin - Oshkosh.