OPEN-FILE REPORT
79-1131

EXPLANATION

ROCKS NORTH OF SHEAR ZONE

- Metasedimentary rocks older than ~1.7 b.y., younger than 2.4 b.y.
- Gneiss, granite, and minor metasedimentary rocks. Older than ~2.4 b.y.
- Structural trend line
- Thrust fault – Barbs on hanging wall
- Normal fault – Hachure on footwall
- Precambrian rocks on hachured side

ROCKS SOUTH OF SHEAR ZONE

- Sherman Granite and possible equivalents Rb/Sr whole-rock age ~1.4 b.y.
- Mafic igneous rocks ranging in composition from olivine gabbro and norite to quartz diorite. Anorthosite in Laramie Mountains
- Gneiss, granite, and minor metasedimentary and metavolcanic rocks. All rocks thought to be 1.8 b.y. or younger

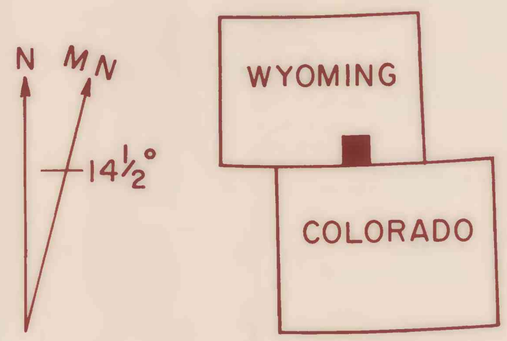

PLATE 1.-- GENERAL GEOLOGY OF PRECAMBRIAN—CORED UPLIFTS, SOUTHEASTERN WYOMING