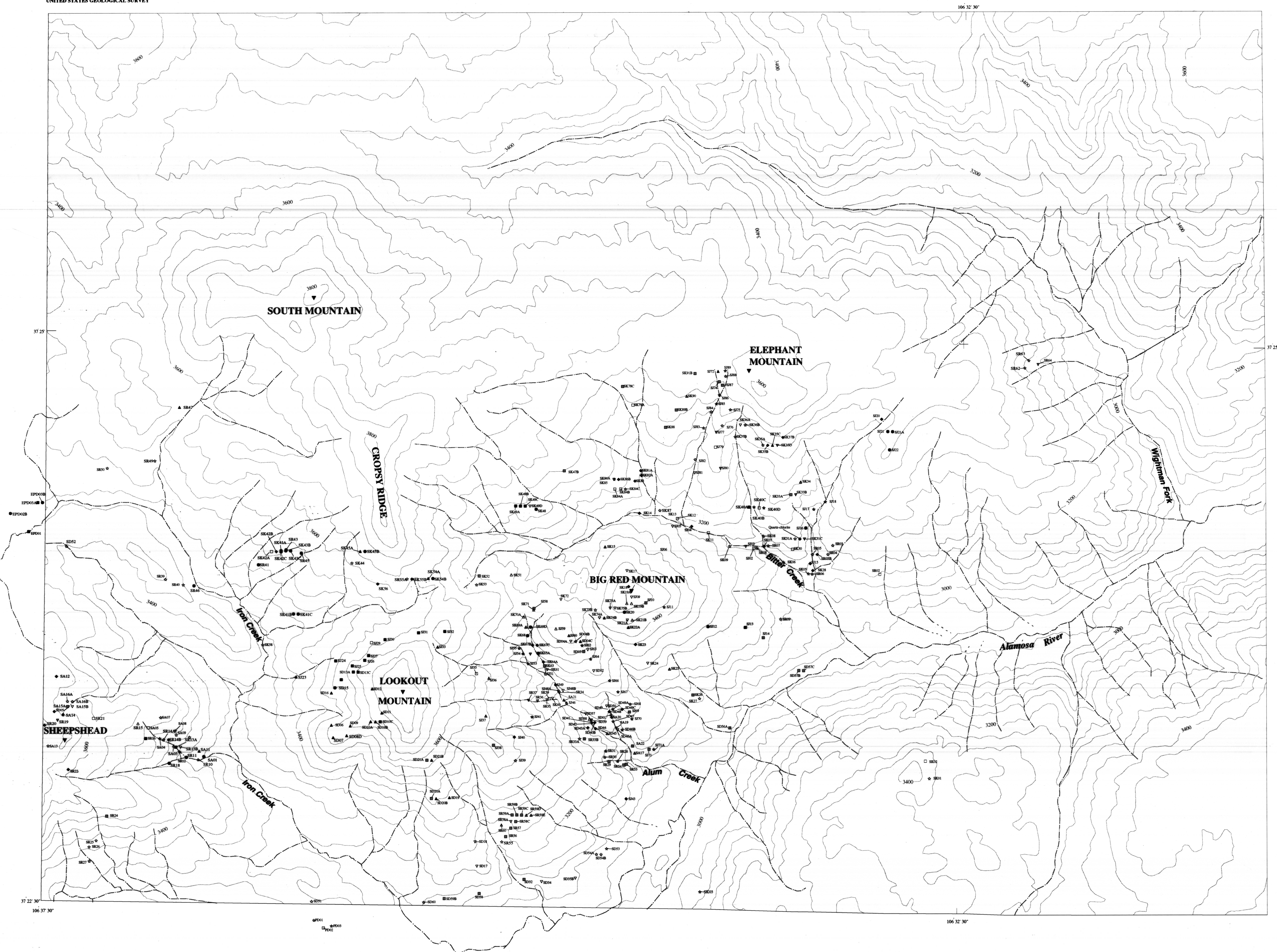




ALTERATION ASSEMBLAGES (see alteration map for more detailed description)

Note: Samples in alphabetic series are offset for graphical purposes.
Leftmost sample in series represents actual data point.

- ▲ Quartz-albite assemblage
- Silicified assemblage
- Argillic assemblage
- ▲ Quartz-sericite-pyrite assemblage -> 90% 2M1 polytype
- Quartz-sericite-pyrite assemblage -> Mix 2M1 and 1M polytypes
- ▼ Quartz-sericite-pyrite assemblage -> 90% 1M polytype
- ✦ Quartz-sericite-pyrite assemblage -> Poorly crystalline sericite
- △ Quartz-sericite-pyrite assemblage with kaolinite overprint (sericite > 90% 2M1)
- ▽ Quartz-sericite-pyrite assemblage with kaolinite overprint (sericite < 90% 2M1 or mix 2M1 and 1M)
- ◆ Weak argillic/sericite assemblage
- ◆ Strong chlorite-pyrite (grouped as propylitic on alteration map)
- ✦ Propylitic assemblage
- Unaltered rocks

ALTERATION ASSEMBLAGE DATA FOR SELECTED ROCK SAMPLE SITES IN THE IRON, ALUM, AND BITTER CREEK AREAS, UPPER ALAMOSA RIVER, SOUTHWESTERN COLORADO

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards or with the North American stratigraphic code.

By Dana J. Bove, Anna B. Wilson, Ken Hon, Jeffrey Kurtz, and R. E. Van Loenen

