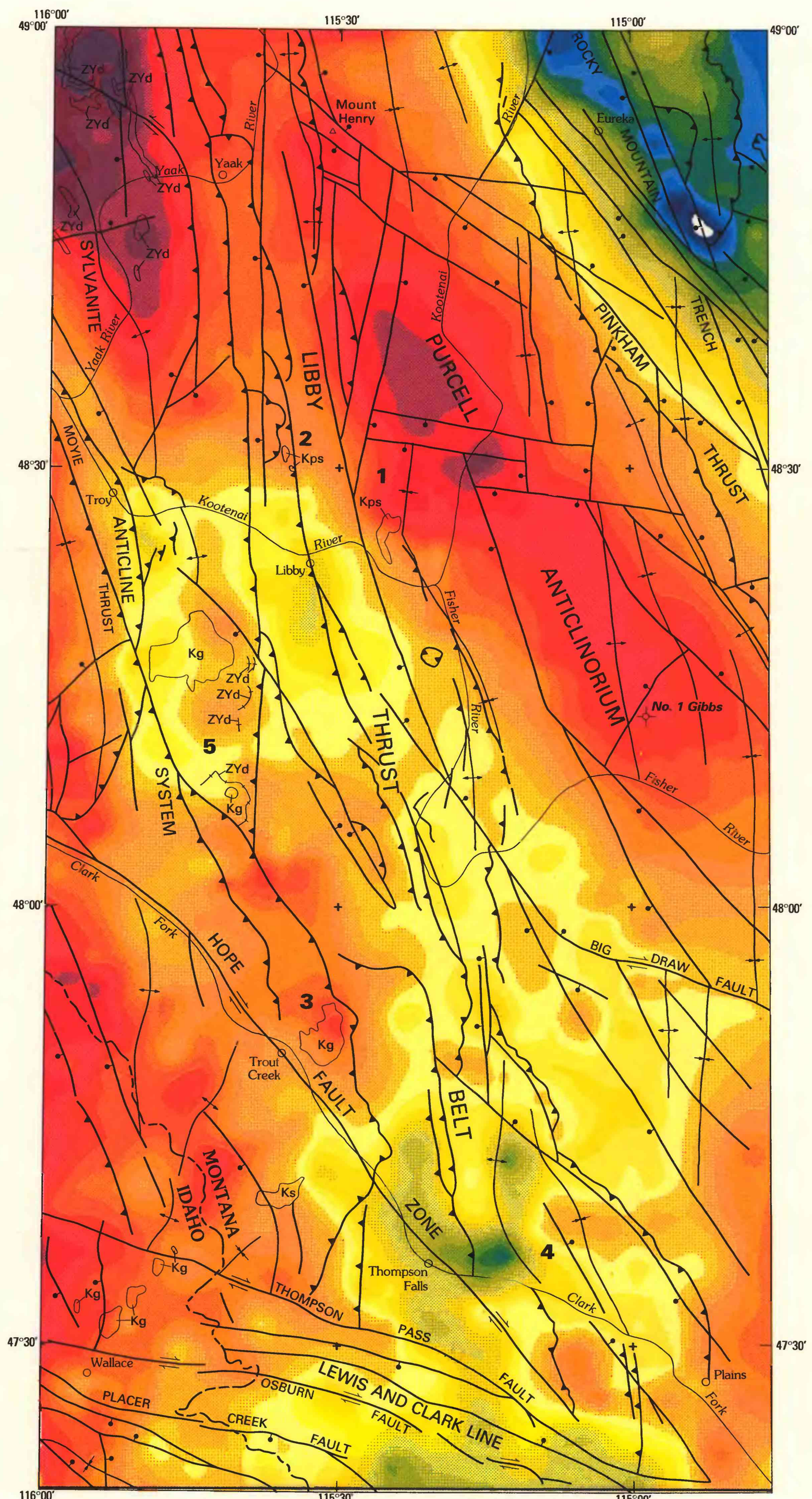
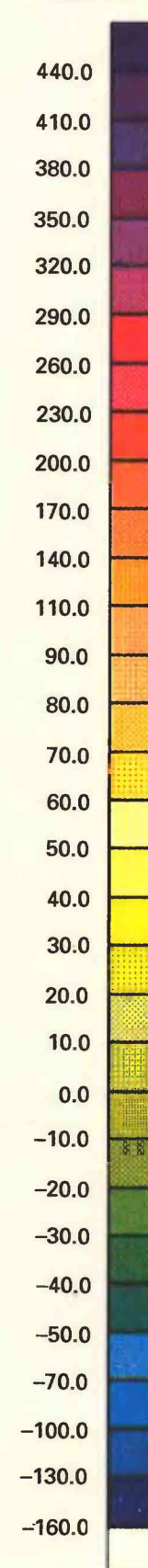


MAP A. RESIDUAL TOTAL-INTENSITY AEROMAGNETIC ANOMALIES AND STRUCTURAL FEATURES

MAPS SHOWING RESIDUAL TOTAL-INTENSITY AEROMAGNETIC ANOMALIES, COMPLETE BOUGUER GRAVITY ANOMALIES, GEOLOGY, AND STRUCTURAL FEATURES, LIBBY THRUST BELT, NORTHWESTERN MONTANA AND NORTHEASTERN IDAHO

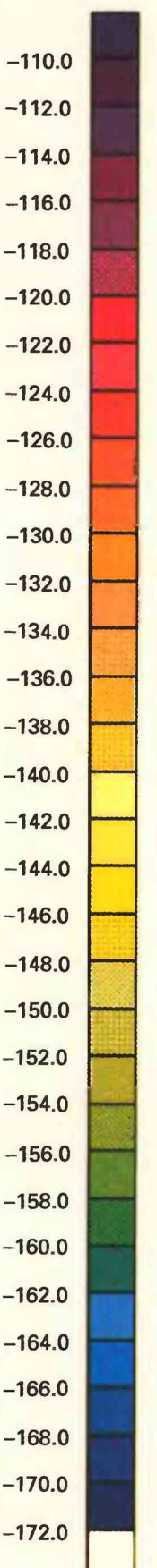
- EXPLANATION FOR MAPS A AND B**
- Kg Felsic intrusive rocks (Cretaceous)
 - Ks Syenite (Cretaceous)
 - Kps Pyroxenite and syenite (Cretaceous)
 - Zyd Sill (Late and Middle Proterozoic)
 - Fault
 - Normal fault—Bar and ball on down-thrown side
 - Thrust fault—Sawteeth on upper plate
 - Tear fault—Arrows show direction of horizontal movement
 - Anticline—Showing crestline and dips of limbs
 - Syncline—Showing troughline and dips of limbs
 - 4** Aeromagnetic anomaly referred to by number in text
 - Location of Atlantic Richfield-Marathon Oil No. 1 Gibbs borehole, NE1/4 sec. 2, T. 28 N., R. 27 W., Flathead County, Montana

Color bar showing residual total-intensity aeromagnetic intensity in 10, 20, and 30 nT intervals



MAP B. COMPLETE BOUGUER GRAVITY ANOMALIES AND STRUCTURAL FEATURES

Color bar showing complete Bouguer gravity intensity in 2-mGal intervals



Lambert Conformal Conic projection.
Central meridian longitude 115°30' W.,
base latitude 47° N.

SCALE 1:500 000

10 0 10 20 MILES

10 0 10 20 KILOMETERS

By
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1997