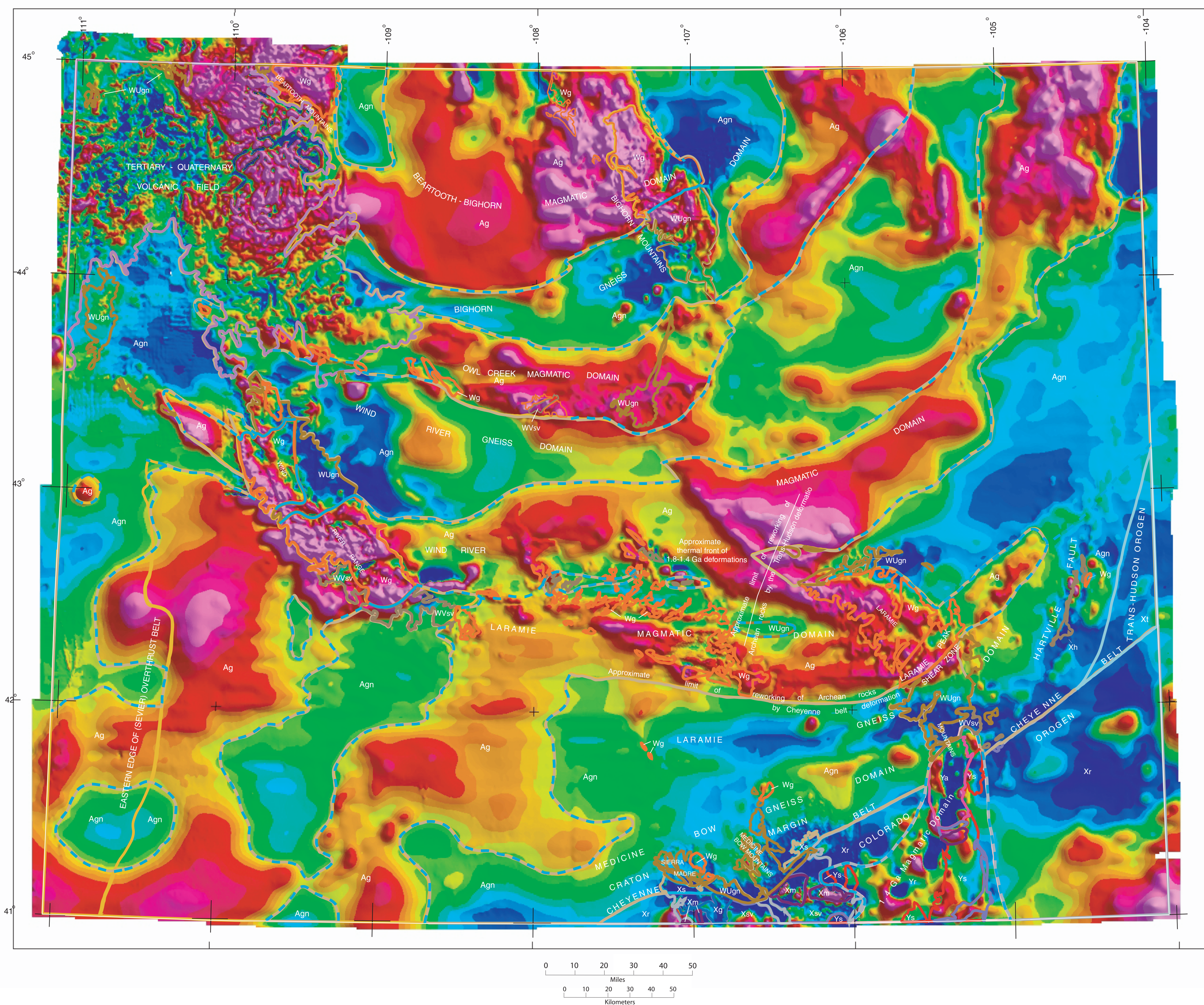
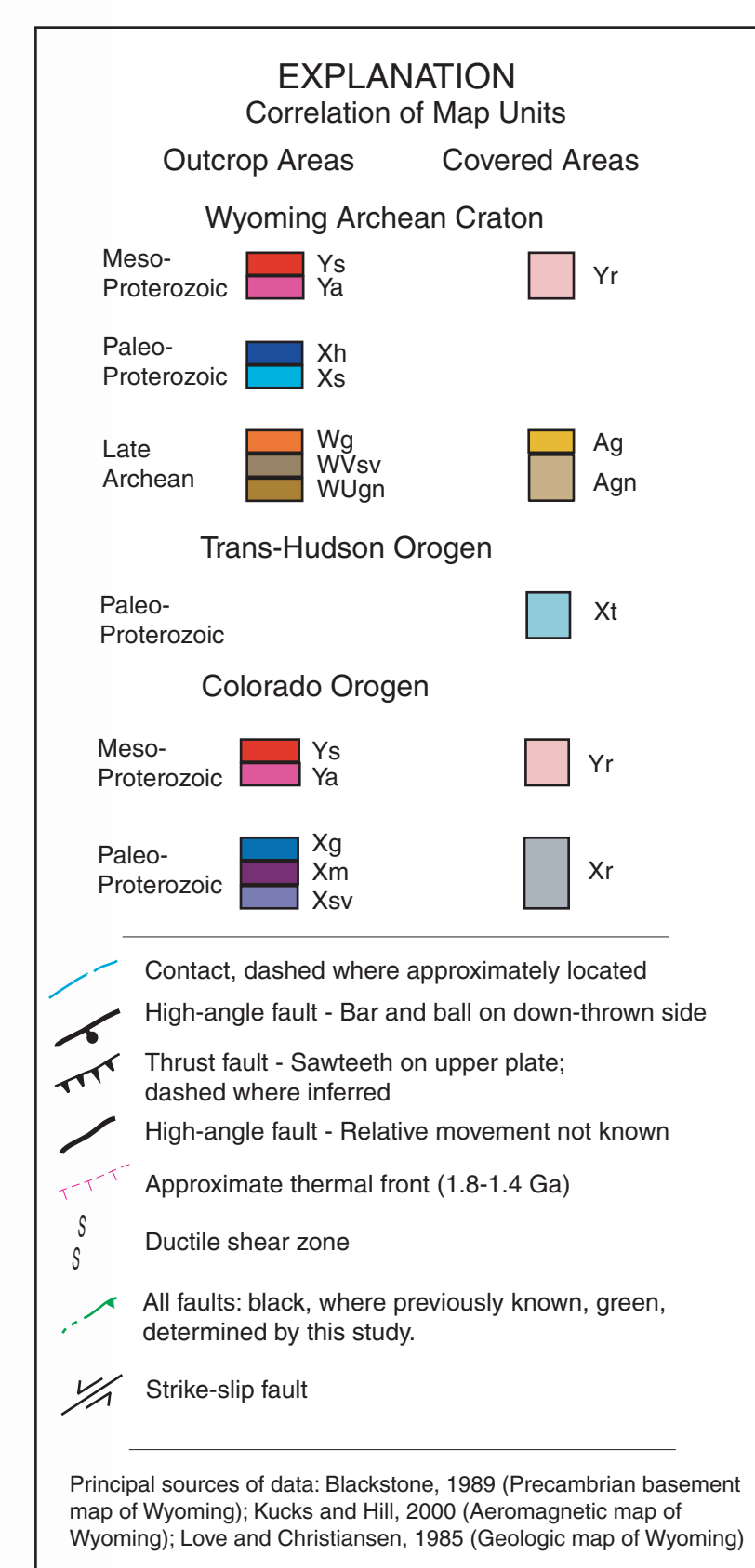
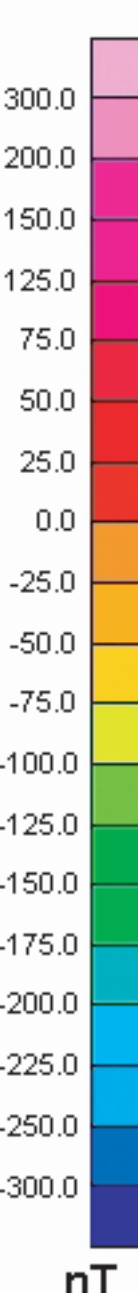
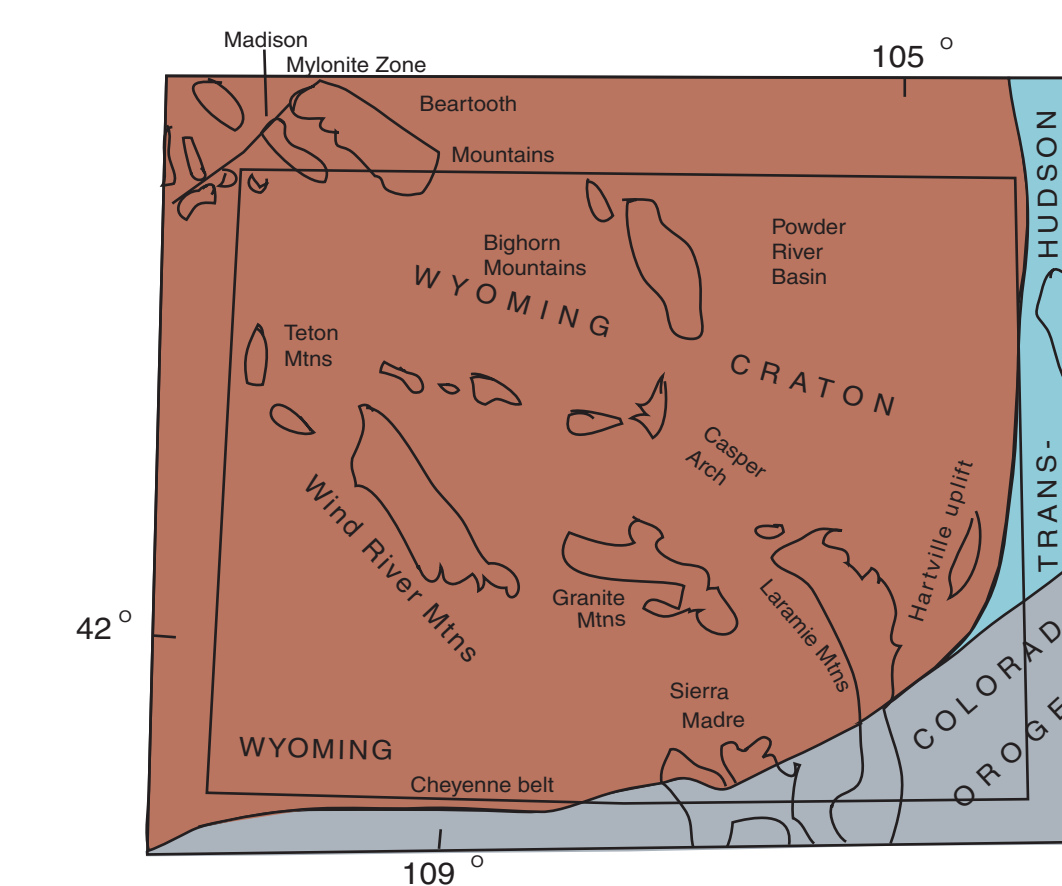


Preliminary Precambrian basement map of Wyoming showing geologic-geophysical domains over magnetics



INDEX MAP (Modified from Reed, 1993)



ARCHEAN CRATON (WYOMING PROVINCE)

MESOPROTEROZOIC

- Ys - Sherman Granite (age 1,415 - 1,435 Ma) -- In Laramie and Medicine Bow Mountains
- Ya - Laramie Anorthosite Complex (Age 1,435 Ma) -- Includes anorthosite and pyroxene and hornblende syenite. In Laramie Mountains
- Yr - Unidentified rocks of units Ys and Ya Mapped from aeromagnetic map of Wyoming

PALEOPROTEROZOIC

- Xh - Haystack Range Granite (Age 1,720 Ma) -- In Hartville uplift
- Xs - Metasedimentary rocks on craton margin -- In Medicine Bow and Sierra Madre Mountains; in covered areas, included in unit Agn

LATE ARCHEAN

- Wg - Intrusive igneous rocks, mainly granite-granodiorite (range in age from 2,900 to 2,650 Ma)
- Wvsv - Metasedimentary and metavolcanic rocks -- Amphibolite, hornblende gneiss, biotite gneiss, quartzite, iron-formation, metaconglomerate, pelite schist, and marble; older than 2,875 Ma in Teton Range; older than 3,200 Ma in Granite Mountains; older than 2,600 Ma in Medicine Bow and Sierra Madre Mountains.
- WUgn - Gneiss and migmatite (Age 3,100 to 2,600 Ma)
- Ag - Unidentified granitic rocks mapped from aeromagnetic data
- Agn - Unidentified gneiss mapped from aeromagnetic data; includes subordinate rocks of unit Wvsv

TRANS-HUDSON OROGEN

- Xi - Unidentified rocks

COLORADO OROGEN (COLORADO PROVINCE)

MESOPROTEROZOIC (1,600-900 Ma)

- Ys - Sherman Granite -- In Laramie and Medicine Bow Mountains
- Ya - Laramie Anorthosite Complex -- In Laramie Mountains
- Yr - Unidentified rocks of units Ys and Ya mapped from aeromagnetic data

PALEOPROTEROZOIC (2,500-1,600 Ma)

- Xg - Granitic rocks of 1,700 Ma age group -- In Medicine Bow Mountains and Sierra Madre
- Xm - Mafic intrusive rocks (Age ~1,760 Ma) -- In Medicine Bow Mountains, Laramie Mountains and Sierra Madre
- Xsv - Metasedimentary and metavolcanic rocks -- Formed in a volcanic arc environment (Age 1,800-1,700 Ma)
- Xr - Unidentified rocks of units Xg, Xm, and Xsv mapped from aeromagnetic data