EXPLANATION

QUATERNARY	Pleistocene and Holocene	**Qs** — Surficial deposits. *Include alluvium, colluvium, glacial moraine, and outwash*
TERTIARY	Miocene	**Tcr** — Basalt of the Columbia River Group. *Includes Picture Gorge and Yakima Basalts*
		Tg — Gravel
CRETACEOUS(?)		**Ki** — Intrusive rocks. *Include Wallowa batholith and related Cornucopia and Sawtooth stocks*
TRIASSIC AND JURASSIC	Upper Triassic and Lower Jurassic	**TRJh** — Hurwal Formation. TRJhl, *limestone*
TRIASSIC	Upper Triassic	**Ktmb** — Martin Bridge Formation
		Ktgs, **Ktgl** — Older Triassic rocks. Ktgs, *greenstone and siliceous and limy mudstone*; Ktgl, *limestone lens*

Contact

Fault
Dashed where inferred; dotted where concealed; queried where doubtful

Thrust fault
Sawteeth on upper plate

Anticline — Syncline
Minor folds, showing direction of plunge

Inclined — Overturned — Vertical — Horizontal
Strike and dip of beds
Dip value not shown where dip very low

Magnetic contours
Showing total intensity of earth's magnetic field in gammas relative to magnetic datum of 54,400 gammas (at zero contour the total intensity of the earth's magnetic field is 54,400 gammas). Hachures indicate closed areas of lower magnetic intensity. Dashed in areas of poorer control. Contour intervals 20 and 100 gammas

Maximum or minimum intensity
Location measured within closed high or closed low

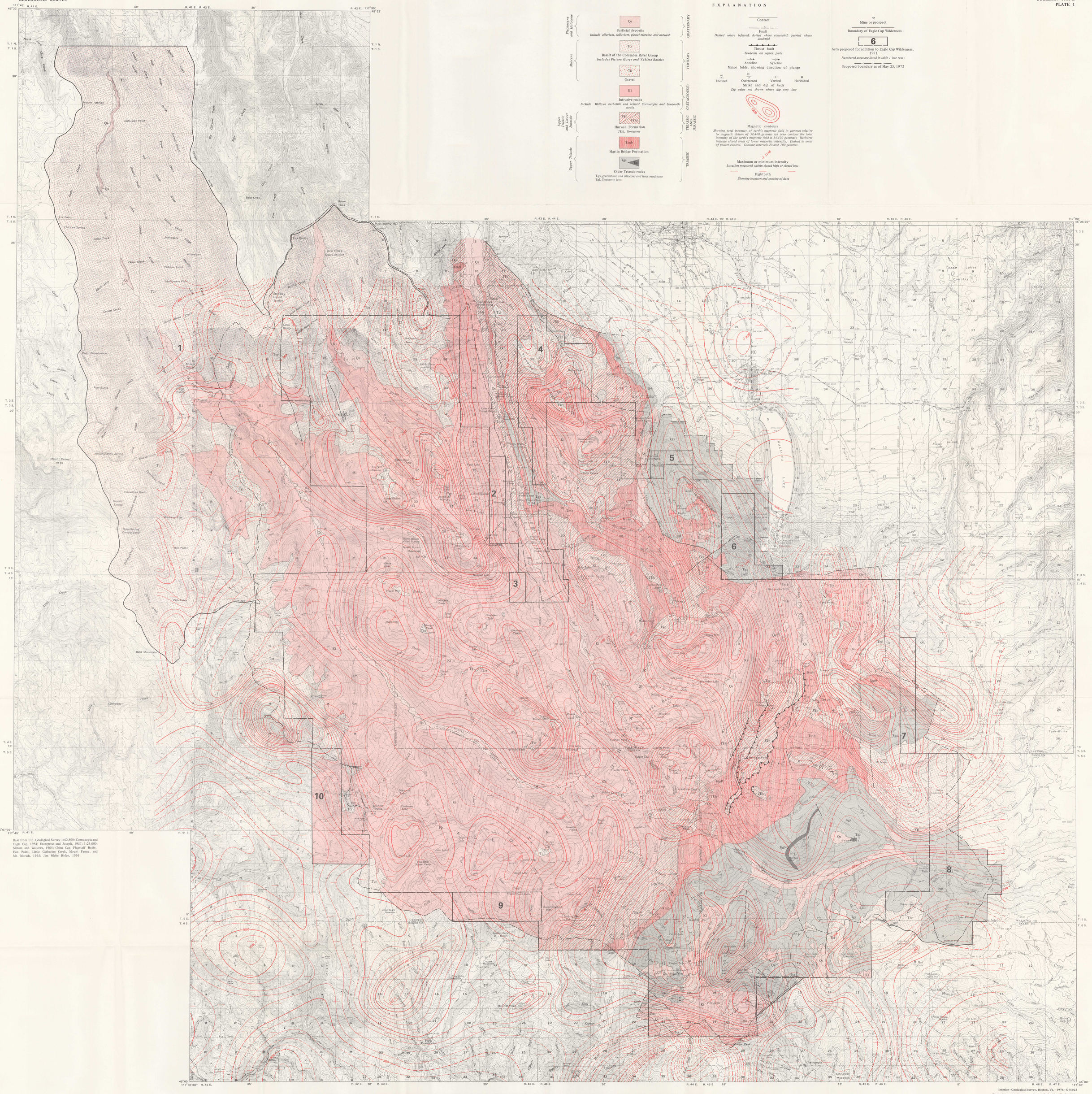
Flightpath
Showing location and spacing of data

Mine or prospect

Boundary of Eagle Cap Wilderness

6 — Area proposed for addition to Eagle Cap Wilderness, 1971
Numbered areas are listed in table 1 (see text)

Proposed boundary as of May 25, 1972



Base from U.S. Geological Survey 1:62,500: Cornucopia and Eagle Cap, 1954; Enterprise and Joseph, 1957; 1:24,000: Minam and Wallowa, 1964; China Cap, Flagstaff Butte, Fox Point, Little Catherine Creek, Mount Fanny, and Mt. Moriah, 1965; Jim White Ridge, 1966

GEOLOGIC AND AEROMAGNETIC MAP OF THE EAGLE CAP WILDERNESS AND PROPOSED ADDITIONS BAKER, UNION, AND WALLOWA COUNTIES, OREGON

APPROXIMATE MEAN DECLINATION, 1976

SCALE 1:62 500

1 ½ 0 1 2 3 4 5 MILES

1.5 0 1 2 3 4 5 6 7 KILOMETRES

CONTOUR INTERVALS 40 AND 80 FEET
DATUM IS MEAN SEA LEVEL

Interior—Geological Survey, Reston, Va.—1976—G75023

Geologic reconnaissance and compilation by P. L. Weis, 1970-72, J. L. Gualtieri, 1970, and W. F. Cannon, 1971; assisted by Hal Owens, 1970, and David Carpenter and Tom Gill, 1971

Aeromagnetic survey flown at 10,000 feet barometric elevation in east-west direction; flight line spacing approximately 1 mile. Flown and compiled by the U.S. Geological Survey, 1970