

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Aeromagnetic map of parts of Taos and Colfax Counties,
New Mexico

by

USGS

QEB Inc., a subsidiary of High Life Helicopters Inc.,
Lakewood, Colorado

with an introduction by Gerda Abrams

Open-File Report 82-952

1982

This map is preliminary and has not been edited and reviewed for conformity with U.S. Geological Survey standards and nomenclature.

Total Field Magnetic Survey

Introduction

The aeromagnetic map was prepared under contract by QEB Inc., Lakewood, Colorado, for the U.S. Geological Survey. The maps were used in a geophysical mineral resource study, conducted by the U.S. Geological Survey, of the Latir Peak Wilderness [area a], the Columbine Hondo Wilderness Study Area, and the Wheeler Peak Wilderness [area b].

The map areas are in northern New Mexico; outlines are shown on fig. 1. The survey, helicopter-borne, was flown by High Life Helicopters Inc., a subsidiary of QEB Inc., in December, 1980. The data were acquired using an Aerospatiale Lama 315B¹ Helicopter equipped with a towed-bird proton precession magnetometer, Geometrics¹ Model G803. The survey was flown north-south at 500' (152.4 m) nominal terrain clearance. Mean line spacing for area 1 was one-half mile, and for area b one third mile. A total of 835 line-miles were flown in the two areas.

¹Use of brand names is for descriptive purposes only and does not constitute endorsement by U.S. Geological Survey.

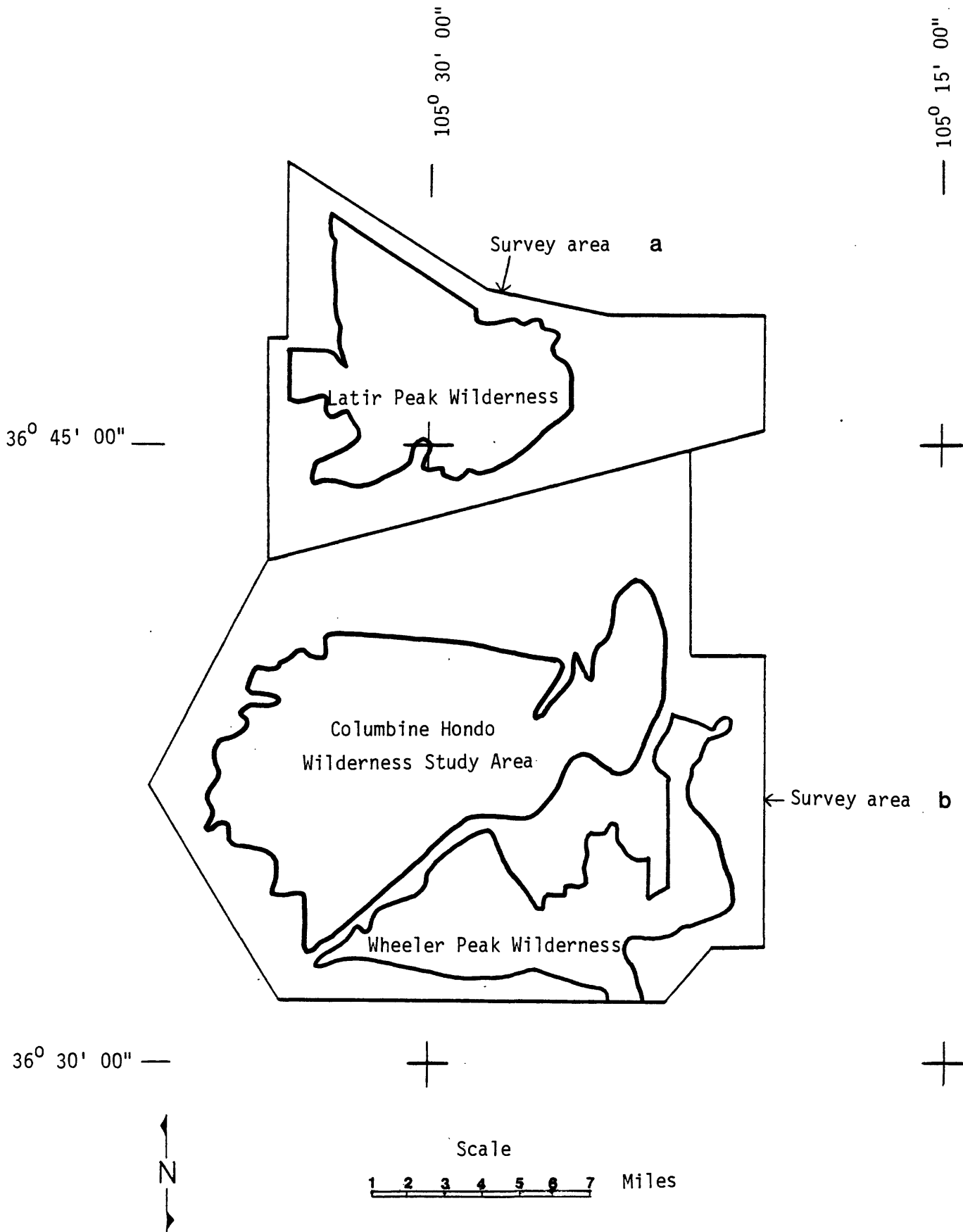


Fig. 1