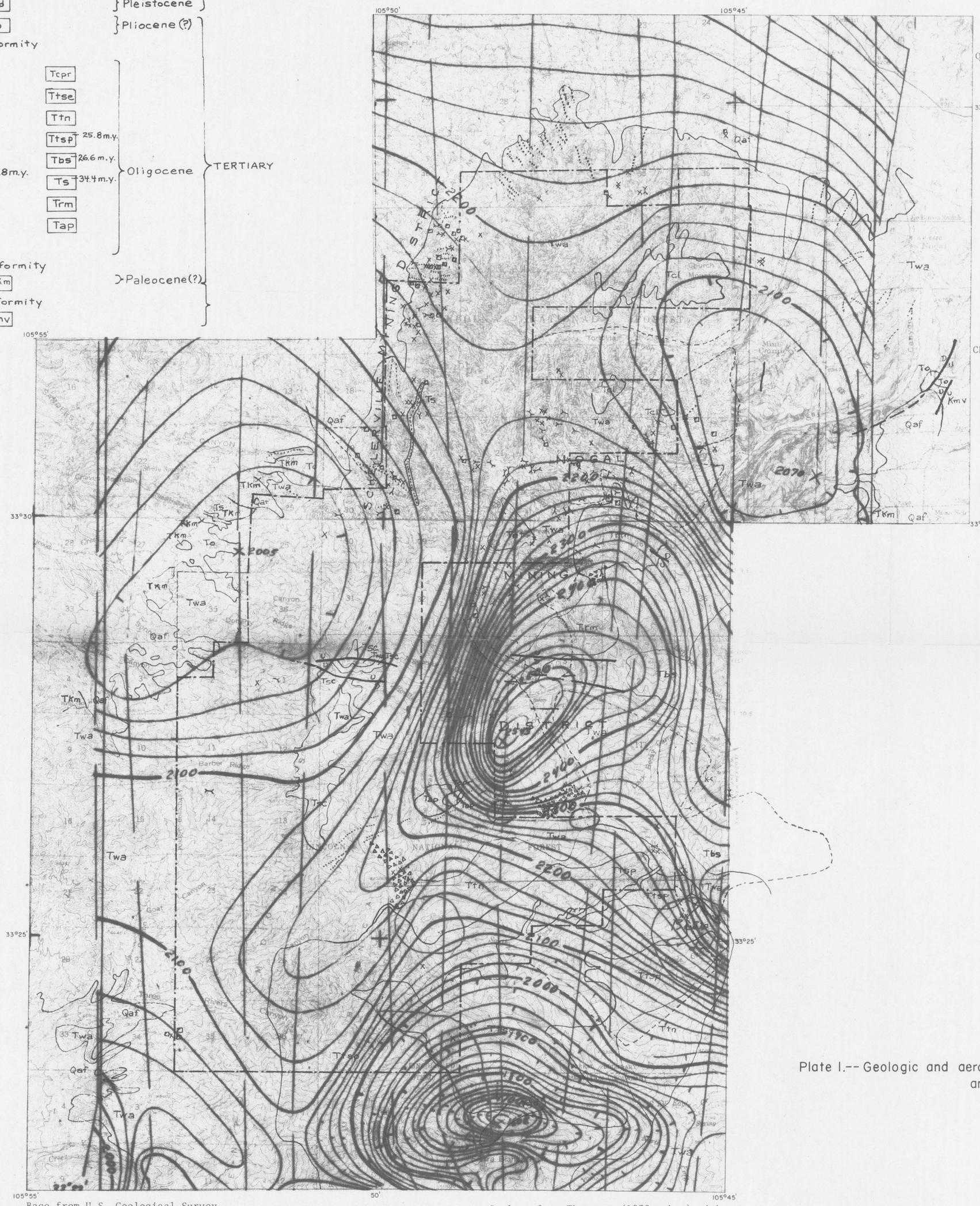
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN-FILE REPORT
75-385

CORRELATION OF MAP UNITS

Qaf	Holocene	QUATERNARY
Qgd	Pleistocene	QUATERNARY
To	Pliocene (?)	QUATERNARY
unconformity		
Tcpr, Ttse, Ttn, Ttsp	25.8 m.y.	TERTIARY
Tbs	26.6 m.y.	TERTIARY
Tnt, Tcl	31.8 m.y.	TERTIARY
Ts	34.4 m.y.	TERTIARY
Trm, Tap	Oligocene	TERTIARY
Tsc, Twa		TERTIARY
unconformity		
TKm	Paleocene (?)	TERTIARY
unconformity		
Kmv		



DESCRIPTION OF MAP UNITS

QUATERNARY	Qaf	ALLUVIUM AND FANGLOMERATE
QUATERNARY	Qgd	GLACIAL DEPOSITS--Chiefly till
TERTIARY	To	OGALLALA(?) FORMATION--Fanglomerate
TERTIARY	Tcpr	RHYOLITE OF CONE PEAK
TERTIARY		THREE RIVERS STOCK
TERTIARY	Ttse	Equigranular syenite
TERTIARY	Ttn	Nordmarkite
TERTIARY	Ttsp	Syenite porphyry
TERTIARY	Tbs	BONITO LAKE STOCK--Syenite
TERTIARY	Ts	DIKE ROCK--Syenite
TERTIARY	Trm	RIALTO STOCK--Monzonite
TERTIARY	Tap	ANDESITE PORPHYRY
TERTIARY		SIERRA BLANCA VOLCANICS
TERTIARY	Tnt	Nogal Peak Trachyte
TERTIARY	Tcl	Church Mountain Latite
TERTIARY	Twa	Walker Andesite Breccia
TERTIARY	Tsc	Spring Canyon Andesite Member
CRETACEOUS	TKm	MC RAE FORMATION--Sandstone, siltstone, and shale; basal conglomerate
CRETACEOUS	Kmv	MESAVERDE GROUP--Sandstone, shale, and coal

- Contact
- Breccia
- Dike
- Fault--Dashed where approximately located or concealed. U, upthrown block; D, downthrown block
- Shaft*
- Adit*
- Trench or glory hole*
- Prospect*
- Wilderness boundary
- Outer limits of proposed wilderness additions
- 2300 — Magnetic contours--Showing total intensity magnetic field of the earth in gammas relative to arbitrary datum. Hachured to indicate closed areas of lower magnetic intensity. Dashed where data are incomplete. Contour interval 20 gammas
- x 2543 — Location of measured maximum or minimum intensity within closed high or closed low
- Flight path--Showing location and spacing of data

* NOTE--Many small mine workings are not shown.

Plate I.-- Geologic and aeromagnetic map of the White Mountain Wilderness and vicinity, New Mexico

Base from U.S. Geological Survey quadrangle maps: Capitan, 1934; Carrizozo, 1950; Sierra Blanca Peak, 1950

1:62 500
0 1 2 MILES
0 1 2 KILOMETRES

Geology from Thompson (1972 a,b,c) with addition of Cone Peak rhyolite plug and dikes (T. B. Thompson, written communication, 1975). Slightly generalized in places.
Aeromagnetic survey flown at 12,500 feet barometric elevation, 1970, and compiled by the U.S. Geological Survey.