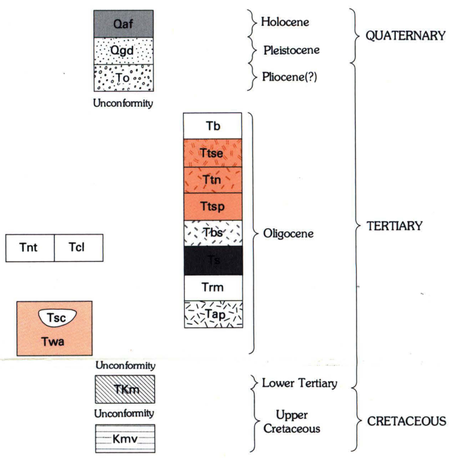
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BULLETIN 1453
PLATE 1

CORRELATION OF MAP UNITS



EXPLANATION

LIST OF MAP UNITS

Qaf	ALLUVIUM AND FANGLOMERATE (HOLOCENE)
Qgd	GLACIAL DEPOSITS (PLEISTOCENE)—Chiefly till
To	OGALLALA(?) FORMATION (PLIOCENE?)—Fanglomerate
Tb	RHYOLITE PLUG BETWEEN BIG BEAR AND LITTLE BEAR CANYONS (OLIGOCENE)
	THREE RIVERS STOCK (OLIGOCENE):
Ttse	Equigranular syenite
Ttn	Nordmarkite
Ttsp	Syenite porphyry, dated at 25.8 m.y.
Tbs	BONITO LAKE STOCK (OLIGOCENE)—Syenite. dated at 26.6 m.y.
Ts	DIKE ROCK (OLIGOCENE)—Syenite
Trm	RIALTO STOCK (OLIGOCENE)—Monzonite
Tap	ANDESITE PORPHYRY (OLIGOCENE)
	SIERRA BLANCA VOLCANICS OF THOMPSON (1964) (OLIGOCENE):
Tnt	Nogal Peak Trachyte Member of Thompson (1964)
Tcl	Church Mountain Latite Member of Thompson (1964), dated at 31.8 m.y.
Twa	Walker Andesite Breccia Member of Thompson (1964)
Tsc	Spring Canyon andesite flow
TKm	McRAE FORMATION (LOWER TERTIARY AND UPPER CRETACEOUS)—Sandstone, siltstone, and shale; basal conglomerate
Kmv	MESAVERDE FORMATION (UPPER CRETACEOUS)—Sandstone, shale, and coal

Contact

Breccia of Giles and Thompson (1972)

Dike

U/D Fault—Dashed where approximately located or concealed. U, upthrown block; D, downthrown block

2000 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

X2070 Location of measured maximum or minimum intensity within closed high or closed low

Flight path—Showing location and spacing of data

Wilderness boundary

Outer limits of proposed wilderness additions

Mine workings—Many small ones not shown

Shaft

Adit

Trench or glory hole

Prospect

Base from U.S. Geological Survey, Angus, 1963, Capitan, 1934, Carrizozo, 1950, Sierra Blanca Peak, 1950

Geology from Thompson (1972) with addition of Cone Peak rhyolite plug and dikes (T. B. Thompson, written commun., 1975). Slightly generalized in places

Aeromagnetic survey flown at 12,500 feet barometric elevation, 1970, and compiled by the U.S. Geological Survey

APPROXIMATE MEAN DECLINATION, 1979

SCALE 1:48 000

CONTOUR INTERVAL 20, 25, 40 AND 50 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929

MAP LOCATION

GEOLOGIC AND AEROMAGNETIC MAP OF THE WHITE MOUNTAIN WILDERNESS AND VICINITY, NEW MEXICO