

**LIST OF MAP UNITS**

af	Artificial fill (latest Holocene)
Qa	Eolian sand and silt (Holocene to middle Pleistocene)
Qc	Colluvium (Holocene to middle Pleistocene)
Qd	Landslide deposits (Holocene to middle Pleistocene)
Qe	Debris-flow deposits (Holocene to middle(?) Pleistocene)
Qf	Alluvium and colluvium, undivided (Holocene and late Pleistocene)
Qg	Fan alluvium and debris-flow deposits (Holocene to middle(?) Pleistocene)
Qh	Gravelly alluvial fan deposits (Holocene to middle Pleistocene)
Qi	Sandy sheetwash deposits (Holocene to middle Pleistocene)
Qj	Gravelly alluvium (Holocene to middle(?) Pleistocene)
Qk	Channel and floodplain deposits of the Rio Grande (Holocene and late Pleistocene)
Qla	Youngest alluvium (Holocene and late Pleistocene)
Qlb	Young alluvium (late Pleistocene)
Qlc	Intermediate alluvium (middle Pleistocene)
Qld	Old alluvium (middle Pleistocene)
Qle	Oldest terrace deposits of the Rio Grande
Qlf	Alluvial terrace deposits of the Rio Grande
Qlg	Young deposits (late Pleistocene)
Qlh	Intermediate deposits (middle Pleistocene)
Qli	Old deposits (middle Pleistocene)
Qlj	Oldest deposits (middle to early Pleistocene)

Qm	El Cajete tephra (late Pleistocene)
Qn	Sandy piedmont alluvium, undivided (middle Pleistocene)
Qo	Alluvium of La Majada Mesa (middle Pleistocene)
Qp	Older gravelly alluvium (early Pleistocene)
Qq	Basaltic andesite of Cochiti Cone (early Pleistocene)
Qr	Basaltic tuff (early Pleistocene)
Qs	Tahirege Member
Qt	Otowi Member
Qta	Older alluvium and Cerro Toledo Rhyolite, undivided (early Pleistocene)
Qtb	Dacite of Arroyo Montoso (early Pleistocene)
Qtc	Basaltic alluvium (middle Pleistocene to Pliocene?)
Qtd	Tuerto gravel and Ancha Formation, undivided (middle Pleistocene to Pliocene)
Qte	Eastern piedmont facies of uppermost Santa Fe Group (middle Pleistocene to late Pliocene?)
Qtf	Cochiti Formation (early Pleistocene to late Miocene)
Qtg	Basalt of Cochiti (early Pleistocene to late Pliocene)
Qth	Sierra Ladrona Formation
Qti	Axial river gravel facies (early Pleistocene to late Miocene)
Qti	Eastern piedmont facies (early Pleistocene to late Miocene)
Qti	Lacustrine limestone, mudstone, and minor sandstone (Pliocene)
Qti	Axial river sand (Pliocene)
Qti	Lacustrine clay, silt, and sand (Pliocene)
Qti	Gravel of Lookout Park (late Pliocene)
Qti	Basaltic dikes (Pliocene?) to Oligocene(?)

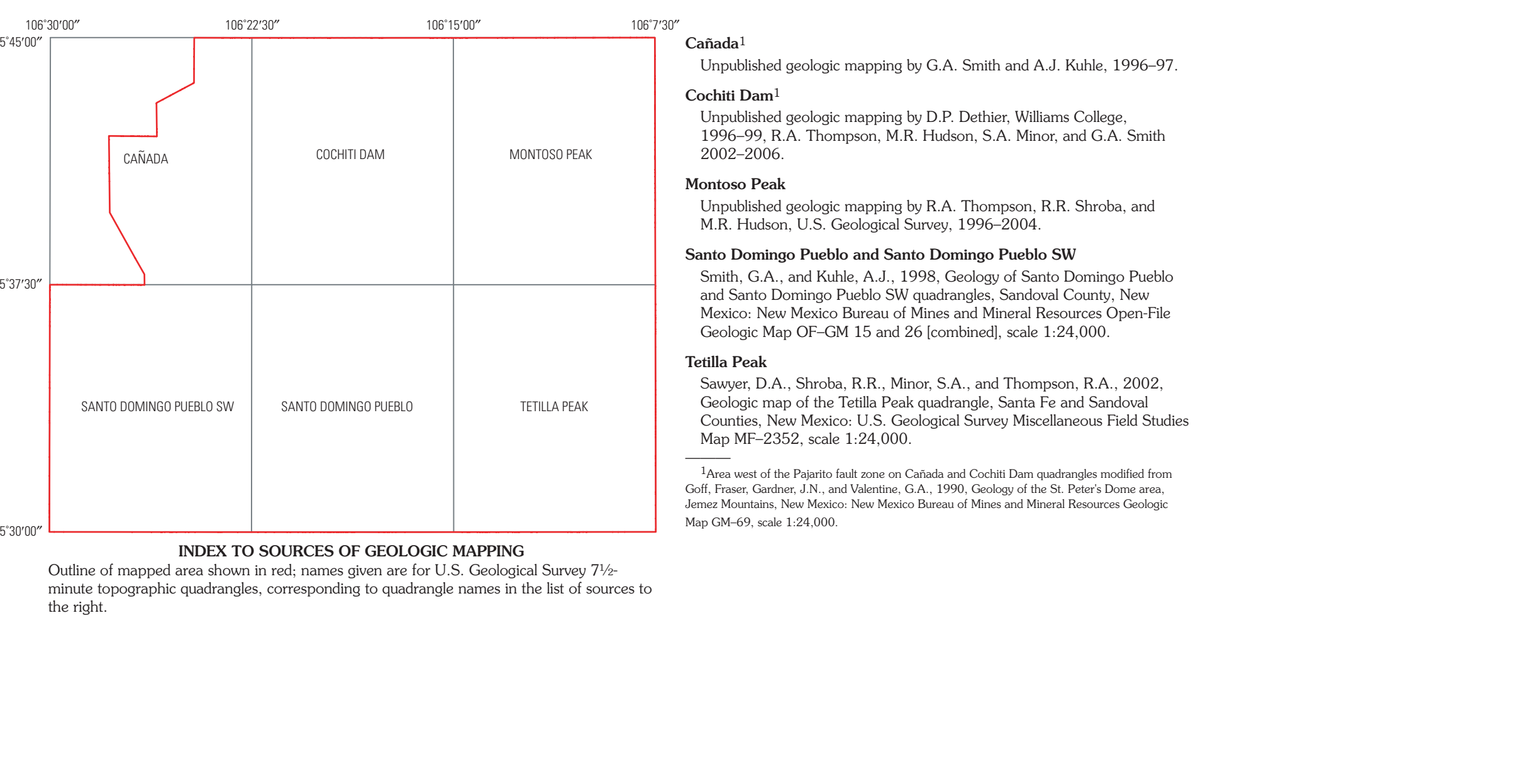
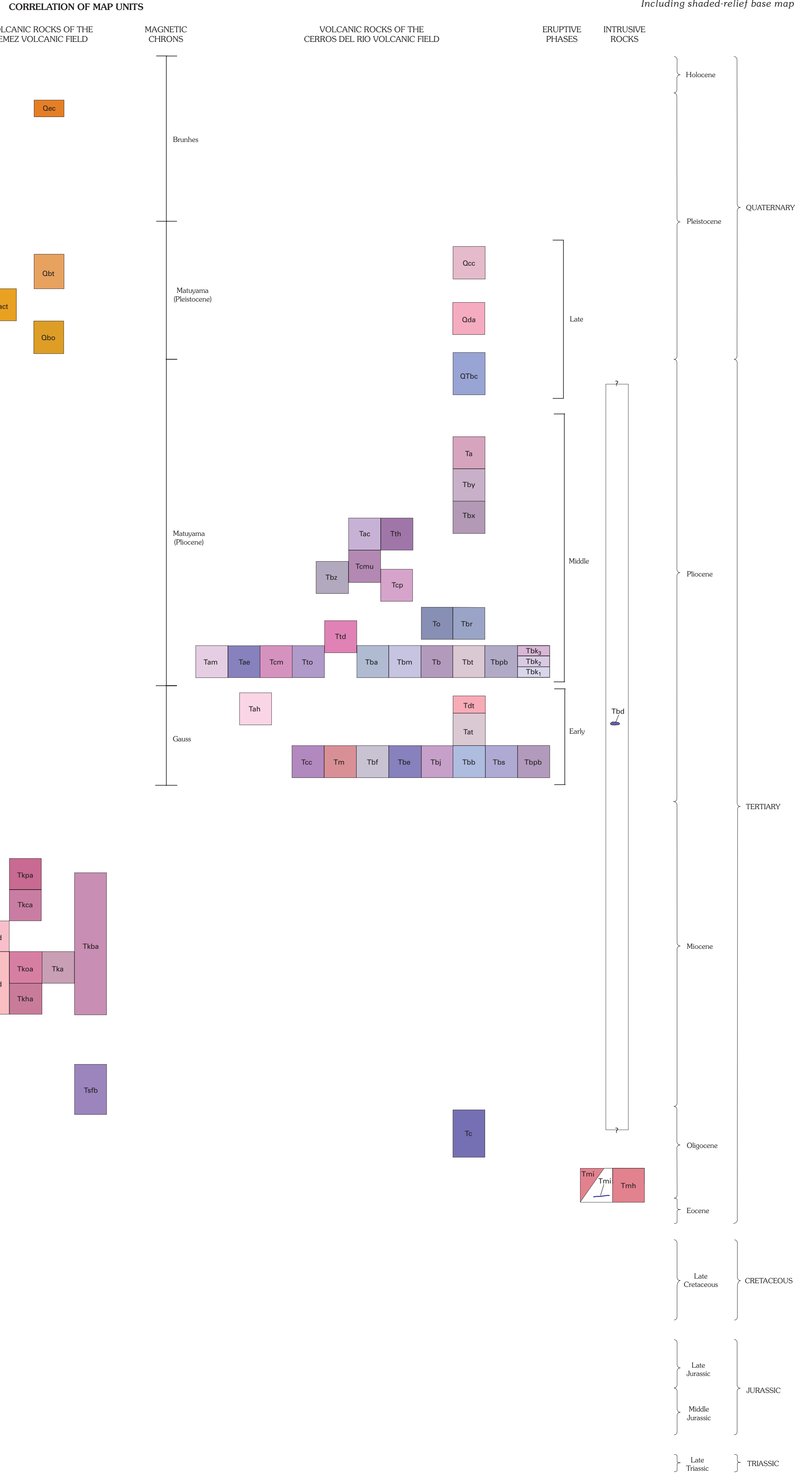
Ta	Late andesite of Caja del Rio (Pliocene)
Tb	Late basalt of Arroyo Calabazas
Tc	Upper lava flows (Pliocene)
Td	Lower lava flows (Pliocene)
Te	Andesite of Cerro Rio (Pliocene)
Tf	Andesite of Twin Hills (Pliocene)
Tg	Late basalt of Cerro Micho (Pliocene)
Th	Basalt of Hill 7671 (Pliocene)
Ti	Basalt of La Bajada (Pliocene)
Tj	Basalt of Tinajas Altas (Pliocene)
Tk	Basalt of Pena Blanca (Pliocene)
Tl	Bearhead Rhyolite (Miocene)
Tm	Peralta Tuff Member
Tn	Paliza Canyon Formation (Miocene)
To	Volcaniclastic sediments
Tp	Porphyritic andesite
Tq	Basaltic andesite
Tr	Clotted andesite
Ts	Bioclastic dacite
Tt	Hornblende dacite
Tu	Olivine andesite
Tv	Andesite
Tw	Hornblende andesite
Tx	Flow 3
Ty	Flow 2
Tz	Flow 1

Ta	Andesite of Hill 6385 (Pliocene)
Tb	Dacite of Tetilla Peak (Pliocene)
Tc	Andesite of Tetilla Peak (Pliocene)
Td	Andesite of Cerro Colorado (Pliocene)
Te	Basaltic andesite of Cerro Montoso (Pliocene)
Tf	Basalt of Tetilla Arroyo (Pliocene)
Tg	Basalt of Mesa de Juana (Pliocene)
Th	Basalt of La Bajada (Pliocene)
Ti	Basalt of Tinajas Altas (Pliocene)
Tj	Basalt of Pena Blanca (Pliocene)
Tk	Bearhead Rhyolite (Miocene)
Tl	Peralta Tuff Member
Tm	Paliza Canyon Formation (Miocene)
To	Volcaniclastic sediments
Tp	Porphyritic andesite
Tq	Basaltic andesite
Tr	Clotted andesite
Ts	Bioclastic dacite
Tt	Hornblende dacite
Tu	Olivine andesite
Tv	Andesite
Tw	Hornblende andesite
Tx	Flow 3
Ty	Flow 2
Tz	Flow 1

Ta	Canovas Canyon Formation (Miocene)
Tb	Rhyolite
Tc	Tuffs
Td	Santa Fe Group (Miocene and Oligocene)
Te	Middle part
Tf	Basalt lava flows
Tg	Basalt of Tetilla Arroyo (Pliocene and Oligocene?)
Th	Late basalt of Cerro Micho (Pliocene)
Ti	Cenozoic Basaltic (Oligocene and Eocene)
Tj	Espinosa Formation (Oligocene and Eocene)
Tk	Monzonite and monzonite porphyry intrusive rocks (Oligocene and Eocene)
Tl	Hornblende monzonite porphyry (Oligocene and Eocene)
Tm	Galvez Formation (Eocene)
Tn	Mancos Shale (Late Cretaceous)
To	Niobrara Member
Tp	Juana Lopez, Blue Hill, and Fairport Members, undivided
Tq	Bridge Creek Limestone and Granger Members, undivided
Tr	Dakota Sandstone (Late Cretaceous)
Ts	Cubero Tongue
Tt	Oak Canyon Member
Tu	Mancos Shale and Dakota Sandstone, undivided (Late Cretaceous)
Tv	Morrison Formation (Late Jurassic)
Tw	Jackpile Sandstone Member
Tx	Brushy Basin Member
Ty	Westwater Canyon Member

Jab	Beclabito Member of Wanahak Formation (Middle Jurassic)
Jbc	Toledo Formation (Middle Jurassic)
Jcd	Entrada Sandstone (Middle Jurassic)
Jce	Chinle Formation (Late Triassic)
Jcf	Contact
Jcg	Contact derived from aeromagnetic data
Jch	Low flow boundary
Jci	Fault—Bar and ball on downthrown side. Dotted where concealed, queried where uncertain
Jcj	Fault inferred from aeromagnetic survey—Bar and ball on downthrown side. Dotted where concealed, queried where uncertain
Jck	Anticline
Jcl	Syncline—Dotted where concealed
Jcm	Basaltic dike (Quaternary to Oligocene)
Jcn	Cinder deposit (Pliocene)—Formed during same explosive event as underlying lava flow
Jco	Quarry
Jcp	Volcanic vent crater
Jcq	Magnetotelluric or audiomagnetotelluric station—Showing number
Jcr	Magnetotelluric station
Jcs	Audiomagnetotelluric station
Jct	Well—Number refers to entry in list
Jcu	Sample locality
Jcv	Geochronology: age determination—Showing age, in Ma
Jcw	Paleomagnetic polarity determination—Showing sample number and polarity
Jcx	Normal
Jcy	Reversed

Well No.	Name
1	Santa Cruz Springs 1
2	Santa Cruz Springs 2
3	Cochiti 1 (C1)
4	Cochiti 2 (C2)
5	Cochiti Lake 1
6	Cochiti Lake 2
7	Corps of Engineers
8	Corps of Engineers Tetilla
9	Cochiti Elementary
10	Lawhill well CEPO 1
11	Siding well CEPO 2
12	Peralta well CEPO 3
13	Cochiti 2B Windmill
14	3-T Windmill
15	4-T Windmill
16	170-T Windmill
17	180-T Windmill
18	Blow-T Windmill
19	Cochiti-T Windmill
20	Salt-T Windmill
21	1200-Foot
22	800-Foot
23	Dome Road
24	LB10-5
25	LB10-3
26	LB10-4
27	LB11-1
28	LB11-5
29	LB11-6
30	LB12-7
31	Santo Domingo 4B Windmill



**GEOLOGIC MAP OF THE COCHITI PUEBLO AREA, NEW MEXICO**

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