

LIST OF MAP UNITS

af	Artificial fill (latest Holocene)
oa	Eolian sand and silt (Holocene to middle Pleistocene)
oc	Colluvium (Holocene to middle Pleistocene)
od	Landslide deposits (Holocene to middle Pleistocene)
oe	Debris-flow deposits (Holocene to middle Pleistocene)
of	Alluvium and colluvium, undivided (Holocene and late Pleistocene)
og	Fan alluvium and debris-flow deposits (Holocene to middle Pleistocene)
oh	Gravelly alluvial fan deposits (Holocene to middle Pleistocene)
oi	Sandy sheetwash deposits (Holocene to middle Pleistocene)
oj	Gravelly alluvium (Holocene to middle Pleistocene)
ok	Channel and floodplain deposits of the Rio Grande (Holocene and late Pleistocene)
ol	Piedmont terrace alluvium
om	Youngest alluvium (Holocene and late Pleistocene)
on	Intermediate alluvium (middle Pleistocene)
oo	Old alluvium (middle Pleistocene)
op	Oldest alluvium (middle Pleistocene)
oq	Alluvial terrace deposits of the Rio Grande
or	Young deposits (late Pleistocene)
os	Intermediate deposits (middle Pleistocene)
ot	Old deposits (middle Pleistocene)
ou	Oldest deposits (middle to early Pleistocene)

oec	El Cajete tephra (late Pleistocene)
oep	Sandy piedmont alluvium, undivided (middle Pleistocene)
oem	Alluvium of La Majada Mesa (middle Pleistocene)
oed	Older gravelly alluvium (early Pleistocene)
oeb	Basaltic andesite of Cochiti Cone (early Pleistocene)
obt	Bandelier Tuff (early Pleistocene)
obm	Tahirene Member
obw	Otowi Member
obd	Older alluvium and Cerro Toledo Rhyolite, undivided (early Pleistocene)
oda	Dacite of Arroyo Montoso (early Pleistocene)
obas	Basaltic alluvium (middle Pleistocene to Pleistocene?)
otw	Tuerto Gravel and Ancha Formation, undivided (middle Pleistocene to Pleistocene)
ofa	Eastern piedmont facies of uppermost Santa Fe Group (middle Pleistocene to late Pleistocene?)
ocoh	Cochiti Formation (early Pleistocene to late Pleistocene)
ococ	Basalt of Cochiti (early Pleistocene to late Pleistocene)
slf	Sierra Ladrones Formation
otaa	Astrial river gravel facies (early Pleistocene to late Miocene)
otap	Eastern piedmont facies (early Pleistocene to late Miocene)
otls	Lacustrine limestone, mudstone, and minor sandstone (Pliocene)
tbls	Astrial river sand (Pliocene)
tblm	Lacustrine clay, silt, and sand (Pliocene)
tblp	Gravel of Lookout Park (late Pliocene)
tblb	Basaltic dikes (Pliocene?) to Oligocene(?)

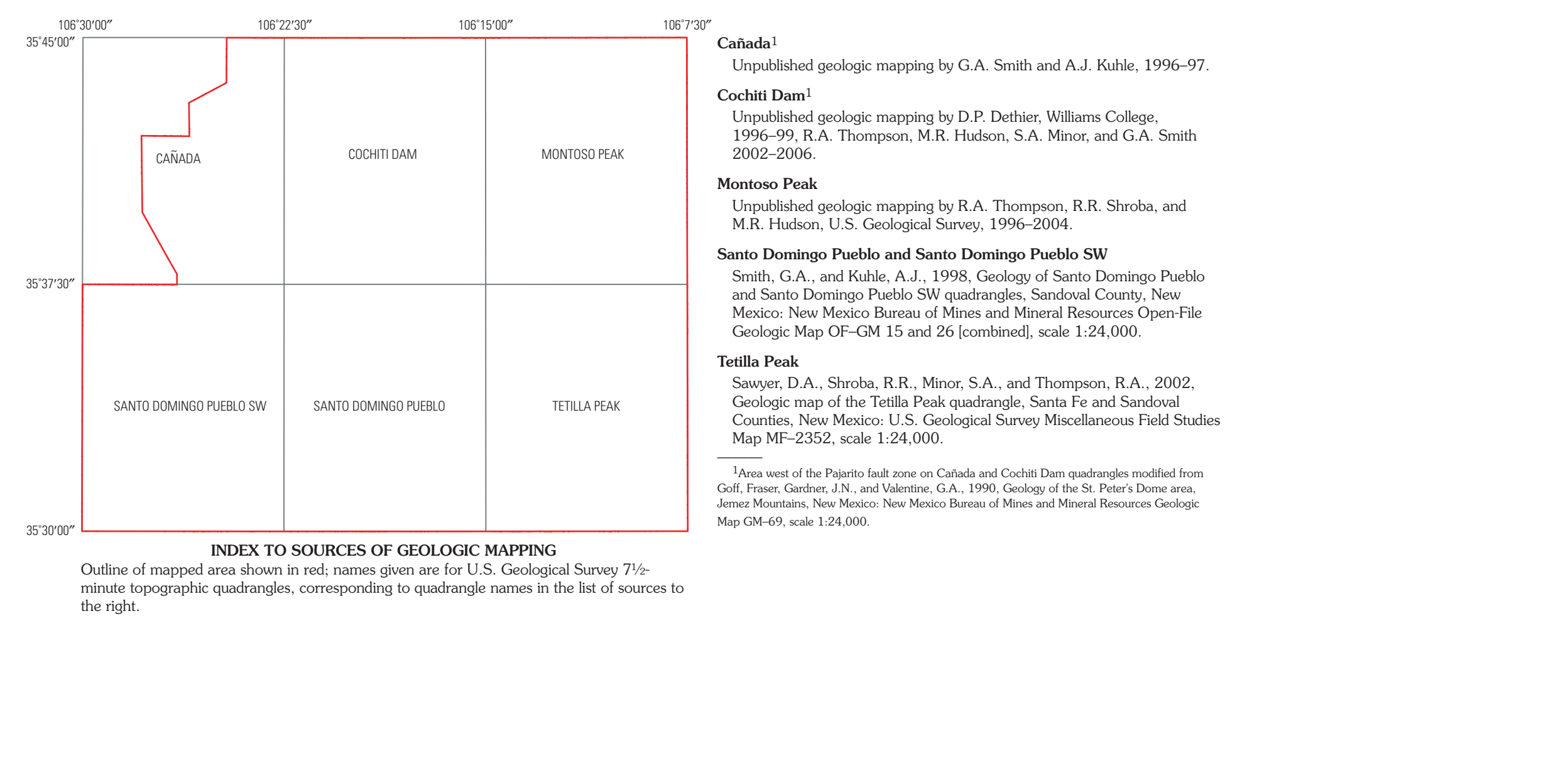
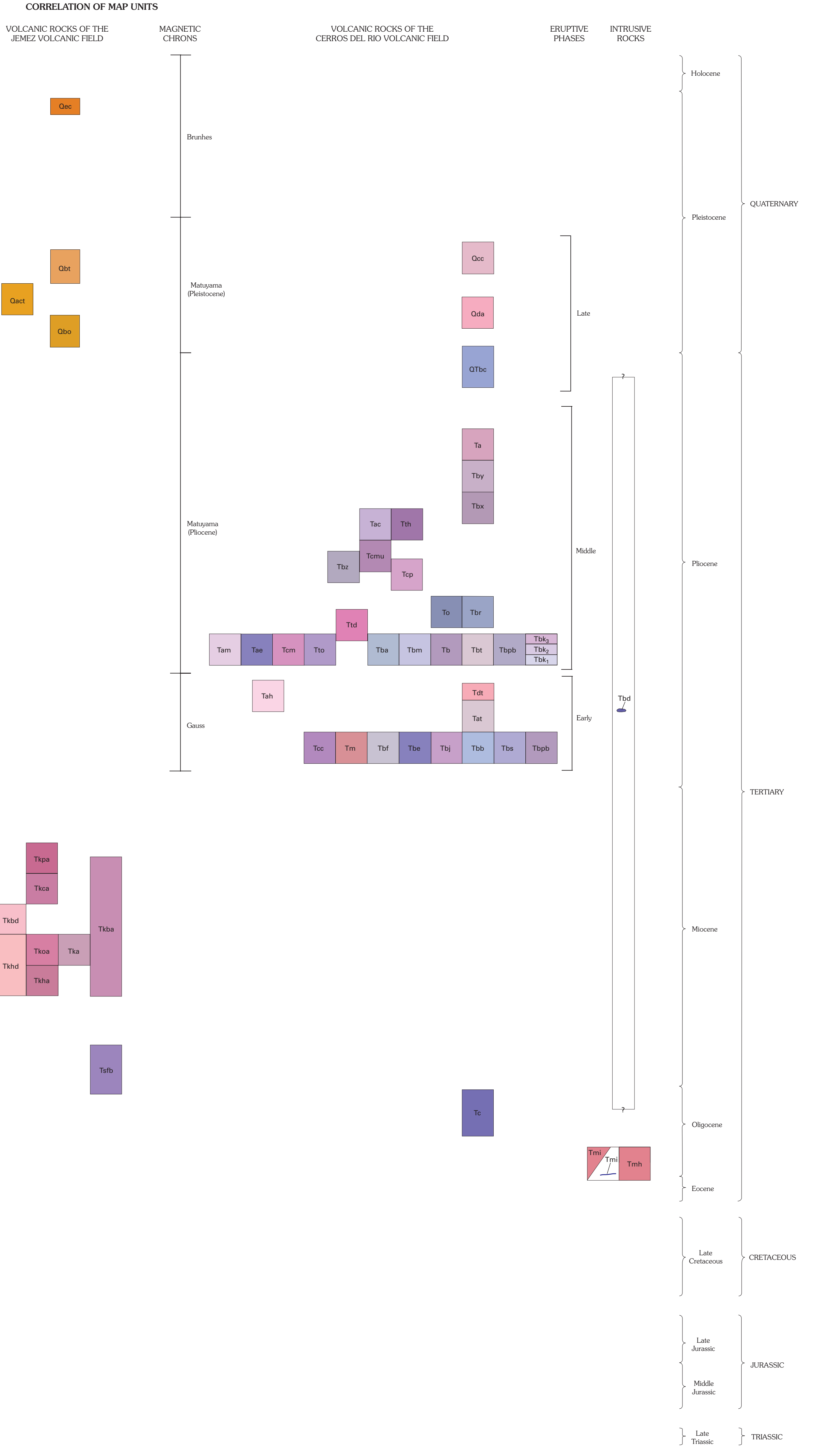
ta	Late andesite of Caja del Rio (Pliocene)
tblc	Late basalt of Arroyo Calabazas
tblu	Upper lava flows (Pliocene)
tblv	Lower lava flows (Pliocene)
tblw	Andesite of Cerro Rio (Pliocene)
tblx	Andesite of Twin Hills (Pliocene)
tbly	Late basalt of Cerro Miho (Pliocene)
tblz	Basalt of Hill 7671 (Pliocene)
tblaa	Basalt of La Bajada (Pliocene)
tblab	The Mountain (Pliocene)
tblac	Basalt of Tinajas (Pliocene)
tblad	Basalt of Pena Blanca (Pliocene)
tblae	Bearhead Rhyolite (Miocene)
tblaf	Peralta Tuff Member
tblag	Paliza Canyon Formation (Miocene)
tblah	Volcaniclastic sediments
tblai	Porphyritic andesite
tblaj	Basaltic andesite
tblak	Clotted andesite
tblal	Biogenic dacite
tblam	Hornblende dacite
tblan	Olivine andesite
tblao	Andesite
tblap	Hornblende andesite
tblaq	Flow 3
tblar	Flow 2
tblas	Flow 1

tblh	Andesite of Hill 6385 (Pliocene)
tbli	Dacite of Tetilla Peak (Pliocene)
tblj	Andesite of Tetilla Peak (Pliocene)
tblk	Andesite of Cerro Colorado (Pliocene)
tblm	Andesite of Cerro Montoso (Pliocene)
tbln	Basalt of Tetilla Arroyo (Pliocene)
tblo	Basalt of Mesa de Juana (Pliocene)
tblp	Basalt of La Bajada (Pliocene)
tblq	The Mountain (Pliocene)
tblr	Basalt of Tinajas (Pliocene)
tbls	Basalt of Pena Blanca (Pliocene)
tblt	Bearhead Rhyolite (Miocene)
tblu	Peralta Tuff Member
tblv	Paliza Canyon Formation (Miocene)
tblw	Volcaniclastic sediments
tblx	Porphyritic andesite
tbly	Basaltic andesite
tblz	Clotted andesite
tblaa	Biogenic dacite
tblab	Hornblende dacite
tblac	Olivine andesite
tblad	Andesite
tblae	Hornblende andesite

tbla	Canovas Canyon Formation (Miocene)
tblb	Rhyolite
tblc	Tuffs
tblm	Santa Fe Group (Miocene and Oligocene)
tbln	Middle part
tblp	Basalt lava flows
tblq	Albuquerque Formation(?) (Miocene and Oligocene?)
tblr	Cenozoic Basaltic (Oligocene and Eocene)
tbls	Espinosa Formation (Oligocene and Eocene)
tblt	Monzonite and monzonite porphyry intrusive rocks (Oligocene and Eocene)
tblu	Hornblende monzonite porphyry (Oligocene and Eocene)
tblv	Galvez Formation (Eocene)
tblw	Mancos Shale (Late Cretaceous)
tblx	Juana Lopez, Blue Hill, and Fairport Members, undivided
tbly	Manos Member
tblz	Manos Shale and Dakota Sandstone, undivided (Late Cretaceous)
tblaa	Cubero Tongue
tblab	Oak Canyon Member
tblac	Mancos Shale and Dakota Sandstone, undivided (Late Cretaceous)
tblad	Morrison Formation (Late Jurassic)
tblae	Jackpile Sandstone Member
tblaf	Brushy Basin Member
tblag	Westwater Canyon Member

tblh	Beclabito Member of Wanahak Formation (Middle Jurassic)
tbli	Todillo Formation (Middle Jurassic)
tblj	Entrada Sandstone (Middle Jurassic)
tblk	Chinle Formation (Late Triassic)
tblm	Contact
tbln	Contact derived from aeromagnetic data
tblo	Low flow boundary
tblp	Fault—Bar and ball on downthrown side. Dotted where concealed; queried where uncertain
tblq	Fault inferred from aeromagnetic survey—Bar and ball on downthrown side. Dotted where approximately located
tblr	Anticline
tbls	Syncline—Dotted where concealed
tblt	Basaltic dike (Quaternary to Oligocene)
tblu	Cinder deposit (Pliocene)—Formed during same explosive event as underlying lava flow
tblv	Quarry
tblw	Volcanic vent crater
tblx	Magnetotelluric or audiomagnetotelluric station—Showing number
tbly	Magnetotelluric station
tblz	Audiomagnetotelluric station
tblaa	Well—Number refers to entry in list
tblab	Sample locality
tblac	Geochronology: age determination—Showing age, in Ma
tblad	Paleomagnetic polarity determination—Showing sample number and polarity
tblae	Normal
tblaf	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	Corps of Engineers Tetilla
10	Cochiti Elementary
11	Lawhill well CEPO 1
12	Peralta well CEPO 2
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

By David A. Sawyer, Scott A. Minor, Ren A. Thompson, Ralph R. Shroba, Gary A. Smith, David P. Dethier, V.J.S. Grauch, and Theodore R. Brandt