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Check lists of minerals for mining districts and other localities near Albuquerque

Stuart A. Northrop, 1961, pp. 172-174

in:
Albuquerque Country, Northrop, S. A.; [ed.], New Mexico Geological Society 12th Annual Fall Field Conference Guidebook, 199 p.

This is one of many related papers that were included in the 1961 NMGS Fall Field Conference Guidebook.

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Check Lists of Minerals for Mining Districts and Other Localities Near Albuquerque

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Most of these records of occurrence are taken from the writer's (1959) "Minerals of New Mexico." Mineral occurrences of unusual interest are indicated by an exclamation mark (!); exceptional occurrences are indicated by two such marks (!!).

BERNALILLO COUNTY

Tijeras Canyon Mining District

This is a large district located in the southern Sandia Mountains, Manzanita Mountains, and northern Manzano Mountains. Subdistricts and synonyms include Carnuel, Coyote, Coyote Basin, Coyote Canyon, Coyote Springs, Hell Canyon, Soda Springs, Sandia (in part), Star, and Star Canyon.

Anglesite	Malachite
Anhydrite	Microcline
Argentite	Molybdenite
Azurite	Mottramite(?)
Baritell	Muscovite
Biotite	Sericite
Bornite	Nickel minerals
Calcite	Orthoclase
Tufa	Plagioclase
Chalcocite	Labradorite
Chalcopyrite	Pyrite
Chlorite	Pyromorphite
Copper	Pyroxene
Cuprite	Quartz
Descloizite, var.	Chalcedony
Cuprodescloizite	Flint and chert
Epidote	Jasper
Feldspar	Siderite
Fluoritell	Sillimanite
Galena	Silver(?)
Garnet	Silver minerals
Gold	Smithsonite
Placer gold	Sphalerite
Graphite	Sphene
Gypsum	Strontianite
Hematite	Tin minerals
Hornblende	Tourmaline
Ilmenite	Uranium minerals
"Limonite"	Witherite(?)
Ocher	Zircon
Magnetite	

In addition to the minerals listed above, recent petrographic work on the Precambrian rocks of the Tijeras Canyon area (Bruns, 1959; Lodewick, 1960; accompanying Guidebook paper by J. P. Fitzsimmons) has yielded the following minerals:

Actinolite	Plagioclase
Amphibole	Albite
Apatite	Andesine
Augite	Oligoclase
Diopside	Rutile
Kaolinite	Tremolite
Kyanite	Zoisite, var.
Penninite	Saussurite

Juan Tabo Area

In northern Sandia Mountains, northeast of Alameda; has been included in the Placitas district (of Sandoval County).

Anthophyllite	Enstatite
Biotite	Epidote
Chalcopyrite	Garnet
Chlorite	Hornblende
Chrysocolla	Kaolinite

Magnetite	Quartz
Microcline	Sillimanite
Muscovite	Sphene
Sericite	Tenorite
Orthoclase	Tourmaline
Plagioclase	Zircon
Albite	Zoisite
Oligoclase	
Pyroxene	

Cerro Colorado

This is a small volcano west of Albuquerque near U. S. Highway 66 bridges across the Rio Puerco.

Barite	Orthoclase
Biotite	Sanidine
Carnotite(?)	Plagioclase
Chlorite	Labradorite
Cristobalite	Pyroxene
Hematite	Quartz
Hornblende	Agate
Magnetite	Chalcedony
Muscovite	Uranium minerals
Sericite	

Modern Sands of the Rio Grande Valley

The following minerals occur in modern river sands of the Rio Grande valley in Bernalillo, Sandoval, Socorro, and Valencia Counties.

Andalusite	Magnetite
Apatite	Monazite
Barite	Muscovite
Biotite	Pyroxene
Calcite	Quartz
Diopside	Rutile
Enstatite	Sillimanite
Epidote	Sphene
Feldspar	Spinel
Garnet	Staurolite
Hornblende	Topaz
Hypersthene	Tourmaline
Ilmenite	Zircon
Kyanite	Zoisite
"Leucoxene"	

Miscellaneous Localities

Barite	Opal, var.
Calcitel	Wood-opal
Celestite	Orthoclase
Clinoclare	Microperthite
Clinozoisite	Penninite
Cummingtonite(?)	Plagioclase
Epidote	Labradorite
Fluorite	Quartz
Garnet	Agatized wood
Gold	Flint and chert
Gypsum	Jasper
Selenite	Resin
Hematite	Riebeckite
Hornblende	Rutile
Kaolinite	Serpentine, var.
Lepidomelene	Antigorite
"Leucoxene"	Silver minerals
"Limonite"	Sphene
Ocher	Tellurium(?)
Magnesite	Tourmaline
Muscovitel	Zircon
Sericite	Zoisite
Olivine	

For Placitas mining district, see under Sandoval County.

LOS ALAMOS COUNTY

Augite	Orthoclase
Biotite	Sanidinet
Celadonite	Plagioclase
Cristobalite	Quartz
Hornblende	Saponite
Hypersthene	Tridymite
"Iddingsite"	

McKINLEY COUNTY

For uranium minerals of the Grants district of McKinley and Valencia Counties, see paper by A. Rosenzweig, this Guidebook.

**SANDOVAL COUNTY
Cochiti Mining District**

Also known as Albemarle, Bland, and Peralta Canyon.

Argentite	Opal
Arsenopyrite(?)	Hyalite
Augite	Precious opal
Biotite	Wood-opal
Bromyrite	Orthoclase
Carnotite	Sanidinet
Chalcopryrite	Plagioclase
Chlorite	Oligoclase
Cuprite	Pyrite
Dickite	Quartz
Dufrenite(?)	Chalcedony
Euclase(?)	Siderite
Galena	Sphalerite
Gold	Sphene
Hematite	Stevensite
Specularite	Stibnite(?)
Hornblende	Tellurium minerals
"Limonite"	Tourmaline
Magnetite	"Wad"
Malachite	Zircon
Muscovite, var.	
Sericite	

Jemez Springs Mining District

Includes the Spanish Queen mine and Soda Dam.

Azurite	Hematite
Barite	"Limonite"
Calcitel	Malachitel
Tufa and travertinel	Muscovite
Oolites and pisolites	Pyrite
Chabazite	Quartz
Chalcocite	Agatized wood
Copper	Flint and chert
Covellite	Tenorite, var.
Feldspar	Melaconite(?)
Gold	Uranium minerals
Gypsum, var.	
Selenite	

Jemez Sulfur Mining District

Also known as Otero Sulphur Springs, San Diego Sulphur, Sulfur Springs, Sulphur Springs; includes a small area near Battleship Rock.

Calcite	Opal
Tufa	Hyalite
Cristobalite	Wood-opal
Dufrenite	Quartz
Hornblende	Flint and chert
	Sulfur

Nacimiento Mountains Mining District

Subdistricts and synonyms include Copper City, Cuba, Nacimiento, San Miguel, Seniorito, Sierra Nacimiento.

Azurite	Jarosite
Bornite	"Limonite"
Cerussite	Malachitel
Chalcocitel	Pyrite
Chrysocolla	Quartz
Copper	Agate
Covellite	Flint and chert
Cuprite	Sphalerite
Feldspar	Tenorite, var.
Gypsum	Melaconite
Selenite	Uranium minerals
Hematite	Vivianite, var.
Hornblende	Odontolite(?)

Placitas Mining District

Subdistricts and synonyms include Algodones, Berna-lillo, Capulin Peak, La Madera, Las Placitas, Montezuma, and Sandia (in part).

Anglesite	Hematite
Azurite	Specularite
Barite	Ilmenite
Calcite	"Limonite"
Tufa and travertine	Magnetite (in sand)
Dripstone, Mexican onyx	Malachite
Cerargyrite(?)	Pyrite
Chalcopryrite	Quartz
Fluorite	Flint and chert
Galena	Silver
Garnet (in sand)	Silver minerals
Gold	Zircon (in sand)
Placer gold	
Gypsum	
Selenite	

Cabezon Area

Aragonite	Plagioclase
Augitell	Labradorite
Calcitel	Quartz
Diopside	Serpentine
Dolomite	Antigorite(?)
Enstatite	Bastite
Olivinel	Spinel

Miscellaneous Localities

Especially in the Jemez Plateau or the San Juan Basin.

Alunogen	Opal
Analcime	Diatomite
Apatite	Wood-opal
Aragonitel	Orthoclase
Autunite	Moonstonel
Biotite	Plagioclase
Calcite	Albite
Anthraconite	Anorthite
Tufa and travertinel	Bytownite
Carnotite	Labradoritel
Celadonite	Oligoclase
Chabazite	Psilomelanel
Coffinite	Pyrite
Cristobalite	Quartz
Gypsum	Agatized wood
Satin spar	Flint and chert
Selenite	Jasper
Hornblende	Resin
Hypersthene	Saponite
"Iddingsite"	Serpentine(?)
Kaolinite	Siderite
Magnetitel	Tridymite
Manganooan magnetite	Uranium minerals
Manganese minerals	"Wad"
Natrolite	Wheelerite (type)
Olivine	Zircon

SANTA FE COUNTY

Cerrillos Mining District

Subdistricts and synonyms include Bonanza City, Car-bonateville, Galisteo, Galisteo Creek, Hungry Gulch, Los Cerrillos, Mount Chalchihuitl, Turquesa, Turquoise, and Tur-quoise (City, Hill).

Allanite	Chlorite
Analcime	Chrysocolla(?)
Ankerite	Covellite
Apatite	Dolomite
Argentite	Epidote
Augite	Feldspar
Azurite	Fluorite
Barite	Gahnite
Biotite	Galena
Bournonite	Gold
Bromyrite	Placer gold
Calcite	Gypsum
Manganooan calcite	Selenite
Cerargyrite	Halloysite
Cerussite	Hematite
Chalcanthite	Specularite
Chalcocite	Hornblende
Chalcopryrite	Ilmenite

Kaolinite	Jasper
"Limonite" I	Rutile
Magnetite	Serpentine
Malachite	Siderite
Melanterite	Sphrosiderite
Muscovite	Silver
Sericite	Smithsonite
Nepheline	Sodalite
Olivine	Sphalerite I
Opal	Sphene
Orthoclase	Stibnite
Microperthite	Talc
Sanidine	Tetrahedrite
Plagioclase	Tourmaline I
Proustite(?)	Turquoise I I I
Pyrrhotite(?)	Uranium minerals
Pyrite	Vanadinite
Pyroxene	"Wad"
Quartz	Wulfenite
Amethyst	Xanthoconite
Chalcedony	Zircon

Pyrrhotite	Tellurium minerals
Quartz I I	Tenorite, var.
Flint and chert	Melaconite
Rosasilite *	Tetrahedrite
Scheelite	Tourmaline
Siderite	Tremolite
Silver	"Wad"
Smithsonite	Wolframite
Sphalerite	Wollastonite
Talc	Zoisite

* Specimen from the Carnahan mine donated by Sherman P. Marsh, June, 1960.

In addition to the minerals listed above, the following are cited by Atkinson (1960):

Apatite	Plagioclase
Augite	Andesine
Copper	Labradorite
Goethite	Quartz
Hemimorphite	Amethyst
	Serpentine
	Sphene

In addition to the minerals listed above, Disbrow and Stoll (1957) recorded the following:

Montmorillonite,	Psilomelane
as Bentonite	Rhodochrosite
Plagioclase	"Wad", as
Andesine	Manganese oxides

La Bajada Mining District

Analcime	Marcasite I
Augite	Melanterite I
Autunite	"Mineral gel"
Asphaltite I	Nepheline
Azurite	Olivine
Barite	Opal
Biotite	Orthoclase
Bornite	Plagioclase
Brannerite	Pyrite
Butlerite	Pyroxene
Calcite	Quartz
Mexican onyx	Chalcedony
Chalcocite	Serpentine
Chalcopyrite I	Siderite
Colusite	Sphalerite
Copiapite	Sulfur
Crednerite	Thorium minerals
Halotrichite	Uranium minerals
Hydronephelite	Voltaite
"Iddingsite"	Wurtzilite(?)
Malachite	Zeolites

New Placers Mining District

This district, located in the San Pedro Mountains, has a large number of subdistricts and synonyms, such as Carnahan, Golden, Lazarus Gulch, Placer del Tuerto, Real de San Francisco, San Isidro, San Lazaro, San Pedro, San Ysidro Mountains, San Zaro, Silver Butte, Tuerto Mountain, and Tuertos Range.

Alabandite	Grossularite
Anglesite	Gold
Argentite	Placer gold I
Aurichalcite *	Goslarite
Azurite	Gypsum
Barite	Hematite
Biotite	Specularite I
Bornite	Hornblende
Calcite	Idocrase
Papierspath	Kaolinite
Cerargyrite	"Limonite"
Cerussite	Ocher
Chalcanthite I	Magnetite
Chalcocite	Malachite I I
Chalcopyrite I I	Marcasite
Chlorite	Melanterite
Chrysocolla	Minium
Cuprite	Molybdenite
Diopside	Muscovite
Epidote	Sericite
Bucklandite	Orthoclase
Feldspar I	Adularial
Fluorite	Plagioclase
Galena	Albite
Garnet	Pyrite I
Almandite	Pyrolusite
Andradite I I	Polianite

Old Placers Mining District

This district, located in the Ortiz Mountains, has been known as Dolores, El Real de Dolores, Lone Mountain, Ortiz, Ortiz Mountain, Rio Galisteo (in part), Sierra del Oro, Sierra Obscura, and The Placer.

Aegirite(?)	Hornblende
Apatite	Idocrase
Argentite	Ilmenite
Arsenopyrite	Kaolinite
Augite	"Limonite"
Bornite	Magnetite
Calcite	Malachite
Chalcopyrite	Molybdenite
Chlorite	Muscovite
Copper	Sericite
Epidote	Nepheline
Feldspar	Olivine
Galena	Pyrite
Garnet	Quartz
Pyrope	Scheelite I
Gold	Siderite
Placer gold I	Sphene
Hematite	Talc
Specularite	Wollastonite

In addition to the minerals listed above, recent petrographic work on the rocks of the Ortiz Mountains (McRae, 1958; Peterson, 1958) has yielded the following:

Actinolite	Penninite
Uralite	Plagioclase
Allanite(?)	Andesine
Biotite	Labradorite
Calcite	Quartz
Travertine	Chert
Diopside(?)	Tremolite
Leucite(?)	Zircon
"Leucoxene"	Zoisite
Orthoclase	Saussurite

VALENCIA COUNTY

For uranium minerals of the Grants and Laguna mining districts, see paper by A. Rosenzweig, this Guidebook.

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