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

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

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

Juan Tabo Area

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

- Anthophyllite
- Biotite
- Chalcopyrite
- Chlorite
- Chrysocolla
- Enstatite
- Epidote
- Garnet
- Hornblende
- Kaolinite
- Magnetite
- Microcline
- Muscovite
  - Sericite
- Orthoclase
- Plagioclase
  - Albite
  - Oligoclase
- Pyroxene
- Quartz
- Sillimanite
- Sphene
- Tenorite
- Tourmaline
- Zircon
- Zoisite

Cerro Colorado

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

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

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

Miscellaneous Localities

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

For Placitas mining district, see under Sandoval County.

LOS ALAMOS COUNTY

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

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

Jemez Springs Mining District

Includes the Spanish Queen mine and Soda Dam.

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

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

Nacimiento Mountains Mining District

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

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

Placitas Mining District

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

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

Cabezon Area

Aragonite
Augite!!
Calcite!
Diopside
Dolomite
Enstatite
Olivine!
Plagioclase
  Labradorite
Quartz
Serpentine
  Antigorite(?)
  Bastite
Spinel

Miscellaneous Localities

Especially in the Jemez Plateau or the San Juan Basin.

Alunogen
Analcime
Apatite
Aragonite!
Autunite
Biotite
Calcite
  Anthraconite
  Tufa and travertine!
Carnotite
Celadonite
Chabazite
Coffinite
Cristobalite
Gypsum
  Satin spar
  Selenite
Hornblende
Hypersthene
"Iddingsite"
Kaolinite
Magnetite!
  Manganoan magnetite
Manganese minerals
Natrolite
Olivine
Opal
  Diatomite
  Wood-opal
Orthoclase
  Moonstone!
Plagioclase
  Albite
  Anorthite
  Bytownite
  Labradorite!
  Oligoclase
Psilomelane!
Pyrite
Quartz
  Agatized wood!
  Flint and chert
  Jasper
Resin
Saponite
Serpentine(?)
Siderite
Tridymite
Uranium minerals
"Wad"!
Wheelerite (type)!!
Zircon

SANTA FE COUNTY

Cerrillos Mining District

Subdistricts and synonyms include Bonanza City, Carbonateville, Galisteo, Galisteo Creek, Hungry Gulch, Los Cerrillos, Mount Chalchihuitl, Turquesa, Turquois, and Turquoise (City, Hill).

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

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

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

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

La Bajada Mining District

Analcime
Augite
Autunite
Asphaltite!
Azurite
Barite
Biotite
Bornite
Brannerite
Butlerite
Calcite
  Mexican onyx
Chalcocite
Chalcopyrite!
Colusite
Copiapite
Credneríte
Halotrichite
Hydronephelite
"Iddingsite"
Malachite
Marcasite!
Melanterite!
"Mineral gel"
Nepheline
Olivine
Opal
Orthoclase
Plagioclase
Pyrite
Pyroxene
Quartz
  Chalcedony
Serpentine
Siderite
Sphalerite
Sulfur
Thorium minerals
Uranium minerals
Voltaite
Wurtzilite(?)
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
Anglesite!
Argentite
Aurichalcite *
Azurite!
Barite
Biotite
Bornite!
Calcite!
  Papierspath
Cerargyrite
Cerussite!
Chalcanthite!
Chalcocite
Chalcopyrite!!
Chlorite
Chrysocolla
Cuprite
Diopside
Epidote
  Bucklandite
Feldspar!
Fluorite
Galena!
Garnet
  Almandite
  Andradite!!
  Grossularite
Gold!
  Placer gold!
Goslarite
Gypsum
Hematite
  Specularite!
Hornblende
Idocrase
Kaolinite
"Limonite"
  Ocher
Magnetite
Malachite!!
Marcasite
Melanterite
Minium
Molybdenite
Muscovite
  Sericite
Orthoclase
  Adularia!
Plagioclase
  Albite
Pyrite!
Pyrolusite
  Polianite
Pyrrhotite
Quartz!!
  Flint and chert
Rosasite *
Scheelite
Siderite
Silver
Smithsonite
Sphalerite
Talc
Tellurium minerals
Tenorite, var. Melaconite
Tetrahedrite
Tourmaline
Tremolite
"Wad"
Wolframite
Wollastonite
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
Augite
Copper
Goethite
Hemimorphite
Plagioclase
  Andesine
  Labradorite
Quartz
  Amethyst
Serpentine
Sphene

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(?)
Apatite
Argentite
Arsenopyrite
Augite
Bornite!
Calcite
Chalcopyrite
Chlorite
Copper
Epidote
Feldspar
Galena
Garnet
  Pyrope
Gold
  Placer gold!
Hematite
  Specularite
Hornblende
Idocrase
Ilmenite
Kaolinite
"Limonite"
Magnetite
Malachite
Molybdenite
Muscovite
  Sericite
Nepheline
Olivine
Pyrite
Quartz
Scheelite!
Siderite
Sphene
Talc
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
  Uralite
Allanite(?)
Biotite
Calcite
  Travertine
Diopside(?)
Leucite(?)
"Leucoxene"
Orthoclase
Penninite
Plagioclase
  Andesine
  Labradorite
Quartz
  Chert
Tremolite
Zircon
Zoisite
  Saussurite

VALENCIA COUNTY

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

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