

Gunnison County

Vulcan District (aka White Earth District)

The Vulcan District has been described as synonymous with the **Cebolla District** (Henderson, 1926; Dunn, 2003; Vanderwilt, 1947; Streufert, 1999; mindat.org, 2015). Other names associated with the Vulcan in the literature have been the White Earth, the **Domingo** and the **Powderhorn** (Vanderwilt, Ibid; mindat.org).

In the series of papers in 1981 from the New Mexico Geological Society, Drobeck, Sheridan et al., and Hedlund and Olson discussed the Vulcan Mine (the defining property of the district) simply as lying within the Gunnison Gold Belt (Dubois Greenstone Belt.)

In Drobeck (Ibid) describes the Vulcan Mine (and adjacent Good Hope Mine) as the largest producer of gold in the entire Gunnison Gold Belt, with more than 25,000 ounces gold equivalent from 1898 to 1902, with more in 1919 and some production continuing into the 1930s. He describes the deposit as a lens of massive sulfide within bleached sericite schists. It is generally acknowledged to represent volcanogenic (specifically fumarolic) activity on the seabed during Precambrian times.

The Vulcan Mine is known for its suite of rare minerals, particularly tellurium and selenium-bearing minerals. The sulfur layer in the mine was enriched with selenium.

Mines listed in the district (mindat.org) include:

- Augusta Mountain
 - Domingo Mine
- Mammoth Chimney Mine
- Sunset Claims
- Ute Trail Mine (Ute Buck; Ute Warrior; Ute Chief; Ouray; Medicine Man; Ute Squaw; Ute Trail; Wigwam)
- Vulcan
 - Good Hope Mine (Mammoth Good Hope Mine; Mammoth-Good Hope Mine; Mammoth Chimney Mine)
- Vulcan Mine

Minerals listed in the district (mindat.org) include:

Arsenopyrite
Berthierite
Bornite
Boulangerite
Cameronite (TL)
Chalcopyrite
'Chlorite Group'

Coloradoite
Copper
Covellite
Frohbergite
Galena
Gold
Goldfieldite

Hematite
Idaite
Jamesonite
Kostovite
'Limonite'
Melanterite
Melonite

Muscovite var: Sericite	Quartz	Sylvanite
Opal	var: Chalcedony	Tellurite
var: Fire Opal	var: Jasper	Tellurium
var: Geyserite	Rhodochrosite	Tellurobismuthite
Orthoclase	Rickardite (TL)	Tetradymite
Owyheeite	Roscoelite	Tetrahedrite
Petzite	Scorodite	Thorite
Poughite	Selenium	Uraninite
Pyrite	Silver	Vulcanite (TL)
Pyrrhotite	Sonoraite	Weissite (TL)
	Sphalerite	Zincmelanterite (TL)
	Sulphur	

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