

Clear Creek County

Freeland-Lamartine District

Spurr et al. (1908) and Harrison and Wells (1959) contributed significantly to our knowledge of the Freeland-Lamartine District of central Clear Creek County. Mineralized veins were first discovered in 1861 and mining ramped up with the addition of smelting capability in Blackhawk in 1868 and the introduction of a railroad in 1870. Mining was intermittent from 1910 to 1933, but revived for a 10-year period until 1944. (Note: Vanderwilt (1947) refers to this district as synonymous with the **Trail District**.)

The geology includes Idaho Springs Formation intruded by Precambrian quartz diorite, pegmatites and granite. Tertiary intrusions - dikes and plugs of quartz monzonite, alaskite and bostonite characterize the district and are associated with the gold and sulfides. Mineralization is in fissure veins near porphyritic intrusives, consisting of both pyrite-gold and galena-sphalerite veins.

Lovering and Goddard (1950) discuss in detail the Freeland vein system. The ore averaged one ounce-per-ton gold and 4 to 20 ounces-per-ton silver in veins that were mainly pyrite and chalcopyrite with minor tetrahedrite and sphalerite with occasional galena. The Freeland Mine quoted a value of total output as \$4,655,000.

Mines listed in this district (mindat.org; Eberhart, 1969) include:

- 76 (Ouida; Evergreen Humbolt; S; Brunswick; Exchange; Kearsarge; Wallace; Bald Eagle; Mary Foster; Emma Jane; Mohawk; Argosy; Argentite; Gold and Silver Coin; American Boy)
- A Tunnel (MRDS - 10264209)
- Accidental
- Alabama Shaft
- Albany
- Alexander Tunnel
- Alley May
- Alpine
- American Eagle
- Anchor Extension
- Apex Shaft
- Arden
- Argo Shaft
- Argo Tunnel (Newhouse)
- Argosy
- Ariadne Extension
- Ariadne Mine
- Arthur
- B Shaft
- B Tunnel
- Baby Eddie Tunnel
- Baehr
- Baltic Tunnel
- Baltimore Mine
- Banty
- Bear Creek & Little Boss
- Beaver Incline
- Bell of the West (Martha E; Billie; Ariadne; Little Topsy; Bruce; Alabama; Yankee Girl; Mammoth; Le Roi; Black; Emily; Crazy Girl; Baby Eddy)
- Belle Creole¹
- Ben Dare
- Ben Harrison
- Bertha
- Big Chief Shaft
- Big Fifty-One
- Billie
- Birtley Tunnel
- Black Eagle Group
 - Bismarck

- Black Eagle Mine
- Chicago
- Black Swan Tunnel
- Blackwood
- Brazil Tunnel - Lower and Shaft
- Brazil Tunnel - Upper
- Brown Quartz
- Brownell
- Bruce (Dierks; Orinoco)
- Bulgine
- C. M. Welch
- C Shaft
- Calumett
- Camp Valley
- Carlin
- Cascade Mine (Hall Tunnel)
- Cecil
- Century
- Champion Lode
- Chloride Occurrence
- Clear Creek Shaft
- Collie
- Columbia
- Crazy Girl Mine and Mill
- Crown Shaft
- D Shaft
- Decator
- Democrat
- Democrat Hill
- Dixie Mine
- Dorit - King Solomon Tunnel (King Solomon)
- Dove
- Dunbarton (Dumbordin)
- E Tunnel
- East
- Eclipse
- Emily
- Exchange
- F Tunnel
- Falcon
- Financier
- First National mine
- Fog Storm
- Fraction
- Free Gold
- Freeland Mine & Extension Mine (Extension Line Shaft; Minnie Tunnel; Diamond Tunnel; Platt Tunnel; Freeland Shaft)
- French Girl
- G Shaft
- General Thomas
- Gold & Silver Coin Shaft
- Gold Dust Tunnel
- Gold Eclipse
- Golden Hammer
- Gomer Mine (Heddensburg)
- Greenback
- Guy Irving
- H. G. Alma (Daisy; F; Dem)
- Harrisburg
- Harrison
- Hawkeye Shaft
- Hedensburg Mine
- Henry Wilson
- Highland Group
- I Shaft
- International
- Invincible (Baltimore; Brighton; Silver Link; Blackwood; Alpine; Roca; Brownell; Frelland; Lance; Mint; Mammoth; Belle Creole; Ariadne; Diamond Mt.; Miller; Cecil; Falcon; Harrisburg; C. M. Welch)
- Irene
- Iron Hat
- Jewelry Shop Mine (West Gold Mine; Sylvania Mine)
- K P
- K Shaft
- Kearsarge
- Kelley Mine
- Kitty Clyde
- Lamartine Mine
 - Brighton vein
 - Harrisburg vein
- Lance
- Le Roi
- Liberator

- Little Cub
- Little Jacket
- Little Johnny (Sherman; Shakespeare; Toledo; Sunnyside; Ethel; Etruria; Turner; Giant Warrior; Minnie; Stevens; Freeland; Oregon; Old Settler; Falu; Gum Tree; Morgan; Anchor)¹
- Little Mattie Mine (Newton Tunnel)
- Little Richard
- Little Topsy
- Little Warrior (April Fool)
- Lone Tree (Old Stag; Laratine; New Era; Avalanche; Mendick; Golden Rod; Mary Ann; Teller; West London; Trembath)¹
 - Avalanche mine¹
 - Mendick mine¹
- Lone Tree Extension Shaft
- Lone Tree Extension Tunnel
- Lord Byron
- M & E
- Mammoth Shaft
- Mammoth Tunnel
- Martha E. Mine
- Miller Tunnel¹
- Mint Shaft
- Mirage
- Mollie Fisher
- Money Musk
- Muscovite
- Myra
- N Tunnel
- Nathan mine
- Niagara
- O Shaft
- October
- Orinoco
- Oriole
- Ovida
- P T Shaft
- P Tunnel
- Paynes Bar Occurrence
- Perkins
- Peter
- Poor Man; Brazil
- Quito Mine
- R Tunnel
- Red Lyon
- Resolute Lode
- Rhoda
- Roca
- Rocky Cliff - Lower
- Sampson
- Santa Fe Tunnel
- Sappho
- Seeroy Claims
- Seventy-Six
- Silver Bell
- Silver Leaf
- Silver Link
- Silver Queen
- Silver Ring (Silverine)
- Silverine
- Skyrocket
- Solid Muldoon
- Sulitelma
- T Shaft
- Tannel Mine
- U. S. Tunnel
- Unknown No. 419 (MRDS - 10141566)
- Unknown No. 428 (MRDS - 10165855)
- Unknown Silver - Gold Occurrence (MRDS - 10017200)
- Veteran
- Wallace Shaft
- Wallace Tunnel
- Waltham
- Washington Mine
- West Alabama Tunnel
- West Gold Tunnel - Lower
- West Gold Tunnel - Upper
- Wild Rose
- Yankee Girl Shaft

Note: ¹ indicates mindat.org lists under the Freeland District; all others are in the Lamartine District.

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

Acanthite	Dolomite	Pyrite
Altaite	<i>Dumontite ?</i>	Pyromorphite
Anglesite	Enargite	Quartz
Arsenopyrite	Galena	var: Amethyst
Autunite	Gold var: Electrum	var: Chalcedony
Azurite	Goslarite	var: Smoky Quartz
Baryte	Hematite	Rhodochrosite
'Biotite'	Kaolinite	Semseyite
Bornite	'K Feldspar var: Adularia'	Siderite
Bournonite	Krennerite	Silver
Caledonite	'Limonite'	Sphalerite
Cerussite	Malachite	Sylvanite
Chalcanthite	Marcasite	Tennantite
Chalcocite	Minium	Tenorite
Chalcopyrite	Muscovite	Tetrahedrite
Chrysocolla	var: Fuchsite	Torbernite
Coloradoite	var: Sericite	Uraninite
'Copper Stain'	Opal	var: Pitchblende
Covellite	Pearceite	Uranophane
Cuprite	Petzite	'Uvite'
Cyanotrichite	Polybasite	'Wolframite'
Dawsonite	Pyrargyrite	

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