

(<https://www.usgs.gov/>)

Mineral Resources (<https://www.usgs.gov/energy-and-minerals/mineral-resources-program>) / Online Spatial Data (/) / Mineral Resource Data System (MRDS) (/mrds/)

Goldstrike Mine

Producer in Eureka county in Nevada, United States with commodity Gold

Map (<https://www.google.com/maps/place/40.97157,-116.36565/@40.97157,-116.36565,12z/data=!3m1!1e3>) XML (/mrds/xml/10047014)

JSON (/mrds/json/10047014)

KML (/mrds/kml/10047014)

A (/mrds/grade-summary.php?dep_id=10047014)

Geologic information

Identification information	
Deposit ID	10047014 (/mrds/show-mrds.php?dep_id=10047014)
MRDS ID	M242254
Record type	Site
Current site name	Goldstrike Mine
Alternate or previous names	Western States Minerals Mine, Bazza, Post, Deep Post
Related records	10173988 (/mrds/show-mrds.php?dep_id=10173988), 10310438 (/mrds/show-mrds.php?dep_id=10310438)

Geographic coordinates	
Geographic coordinates:	-116.36565, 40.97157 (WGS84)
Elevation	1695
<i>Political divisions (FIPS codes)</i>	
Eureka (county)	
Nevada (state)	
United States (country)	
North America (continent)	
Land (continent)	
<i>USGS map quadrangles</i>	
Rodeo Creek NE (quadrangle 1:24,000 scale)	
Battle Mountain (quadrangle 1:100,000 scale)	
Winnemucca (quadrangle 1:250,000 scale)	
<i>Hydrologic units (watersheds)</i>	
Middle Humboldt (hydrologic unit)	
Humboldt (hydrologic accounting unit)	
Black Rock Desert-Humboldt (hydrologic subregion)	
Great Basin (hydrologic region)	

Geographic areas	
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Country	State	County
United States	Nevada	Eureka

Public Land Survey System information					
Meridian	Township	Range	Section	Fraction	State
Mount Diablo	036N	050E	30		Nevada

Comments on the location information
INFO FROM LAND.ST :1972

Commodities	
Commodity	Importance
Gold	Primary

Comments on the commodity information
AU OCCURS AS MICRON TO SUBMICRON-SIZED PARTICLES ASSOCIATED WITH QUARTZ AND CLAYS IN THE OXIDE ZONES AND WITH PYRITE AND MARCASITE IN THE SULFIDE ZONES. SIMPLE REFRACTORY ORE IN THE LOWER PORTIONS OF THE POST OREBODY IS CHARACTERIZED BY SILICIFICATION WITH 5-10% DISSEMINATED PYRITE. REALGAR AND ORPIMENT OCCUR IN THE DEEP POST OREBODY SPATIALLY ASSOCIATED WITH GOLD MINERALIZATION BUT CONTAIN SIGNIFICANTLY LESS GOLD THAN THE FINE-GRAINED IRON SULFIDES.

Materials information	
Materials	Type of material
Gold	Ore
Orpiment	Ore
Realgar	Ore

Alteration
(Local) Decarbonitization, Silicification

Analytical data
Result ERDMAN, ET AL (1990) REPORT THAT SAMPLES OF BIG SAGEBRUSH (ARTEMESIA TRIDENTATA) SHOW ELEVATED LEVELS OF GALLIUM THAT SPATIALLY CORRELATE WITH THE BETZE OREBODY.

Mineral occurrence model information	
Model code	172
USGS model code	26a
BC deposit profile	E03
Deposit model name	Carbonate-hosted Au-Ag

Mark3 model number

15

Host and associated rocks

Host or associated Associated**Rock type** Plutonic Rock > Mafic Intrusive Rock > Diorite**Rock unit name** Goldstrike Stock**Rock description** Goldstrike Stock

Stratigraphic age (youngest)	Eocene
Stratigraphic age (youngest)	Late Cretaceous
Stratigraphic age (youngest)	Late Devonian

Host or associated Host**Rock type** Sedimentary Rock > Carbonate > Limestone**Rock unit name** Roberts Mountains Formation;Popovich Formation;Rodeo Creek Unit**Rock description** Roberts Mountains Formation;Popovich Formation;Rodeo Creek Unit

Nearby scientific data

- (1) Dolomite, limestone, and minor amounts of sandstone and quartzite
(/geology/state/sgmc-unit.php?x=-116.36565&y=40.97157)

[List \(/general/near-point.php?x=-116.36565&y=40.97157&map=US&format=116.36565&y=40.97157\)](/general/near-point.php?x=-116.36565&y=40.97157&map=US&format=116.36565&y=40.97157)

Controls for ore emplacement

See Comments

Economic information

Economic information about the deposit and operations

Development status	Producer
Commodity type	Metallic
Deposit size	Large
Significant	No
Discovery year	1965
Year of first production	1977
Production years	1977 - 1978 (?); 1986 - PRESENT (3/92)

Mining district

District name Bluestar-Goldstrike Subdistrict; Carlin District