UNIVERSITY OF NEVADA BULLETIN

VOL. XXXIX DECEMBER 1945 No. 6

GEOLOGY AND MINING SERIES No. 43

Bibliography of Geologic Literature Of Nevada

By VINCENT P. GIANELLA
Department of Geology, Mackay School of Mines
University of Nevada

and

Bibliography of Geologic Maps of Nevada Areas

By ROBERT W. PRINCE
Mining Engineer, Nevada State Bureau of Mines

PRICE [redacted]

PUBLICATION OF THE NEVADA STATE BUREAU OF MINES
AND THE MACKAY SCHOOL OF MINES
JAY A. CARPENTER, *Director*

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1[53]

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Districts—Alpine, Aspen, Bell Mountain, Bernice, Bolivia, Boyer, Browns, Buena Vista, Chalk Mountain, Clan Alpine, Copper Kettle, Coppereid, Cottonwood Canyon, Desert, Dixie Marsh, Eagle Salt Marsh, Eastgate, Fairview, Fallon, Fernley, Fireball, Gold Basin, Hercules, Holy Cross, Hot Springs Marsh, I. X. L., Jessup, King, Lake, La Plata, Leete, Mountain Wells, Nigger Wells, Parran, Salt Wells Marsh, Sand Springs, Shady Run, Silver Hill, Soda Lakes, South Fairview, Table Mountain, Terrell, Toy, Westgate, White Cloud, White Plains Flat, and Wonder.

CLARK COUNTY 22

Districts—Alunite, Apex, Arden, Bard, Bauer, Boulder City, Bunkerville, Callville Wash, Charleston, Colorado, Copper King, Crescent, Dike, Eldorado Canyon, Gass Peak, Gold Butte, Goodsprings, Great Eastern, Ivanpah, Jean, Key West, Las Vegas, Logan, Lyons, Migual Marsh, Moapa, Muddy Mountains, Nelson, Overton, Potosi, Railroad Pass, St. Thomas, Searchlight, Sloan, Sunset, Sutor, Vincent, Virgin Peak, Virgin River, West End, White Basin, and Yellow Pine.

DOUGLAS COUNTY 33

Districts—Buckskin, Eagle, Gardnerville, Genoa, Holbrook, Mountain House, Mount Siegel, Pine Nut, Red Canyon, Silver Glance, Silver Lake, Smith Valley, and Wellington.

ELKO COUNTY 36

Districts—Alder, Allegheny, Aura, Buell, Bullion, Bull Run, Burner, Butte Valley, Carlin, Centennial, Charleston, Columbia, Contact, Cope, Copper Mountain, Cornucopia, Cornwall, Decoy, Deeth, Delano, Delker, Delno, Dolly Varden, Edgemont, Elko, Falcon, Ferber, Ferguson Spring, Gold Basin, Gold Circle, Gold Creek, Good Hope, Granite, Island Mountain, Ivanhoe, Jarbidge, Kinsley, Kit Carson, Lafayette, Lee, Leroy, Lime Mountain, Lone Mountain, Loray, Lucin, Merrimac, Midas, Mizpah, Mountain City, Mud Springs, Porter, Proctor, Railroad, Rio Tinto, Rock Creek, Rowland, Ruby Range, Ruby Valley, Salmon River, Smith Creek, Spruce Mountain, Summit, Tecoma, Tennessee Gulch, Tuscarora, Van Duzer, Warm Creek, and White Horse.

ESMERALDA COUNTY 50

Districts—Alida Valley, Alpine, Alum, Argentite, Blair, Bonnie Clare, Castle Rock, Coaldale, Columbus Marsh, Crow Springs,

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Cuprite, Desert, Divide, Dyer, Fesler, Fish Lake Marsh, Fish Lake Valley, Gilbert, Goldfield, Gold Mountain, Gold Point, Good Hope, Green Mountain, Hornsilver, Klondyke, Lida, Limepoint, Lone Mountain, Mineral Ridge, Montezuma, Old Gold Mountain, Oriental Wash, Palmetto, Pigeon Springs, Railroad Springs, Red Mountain, Silver Peak, Silver Peak Marsh, Southern Klondyke, Stateline, Sylvania, Topok, Tule Canyon, Weepah, West Divide, White Mountains, and Windypah.

EUREKA COUNTY 63

Districts—Alpha, Amarilla, Antelope, Barth, Beowawe, Buckhorn, Cortez, Diamond, Diamond Marsh, Eureka, Fish Creek, Lone Mountain, Lynn, Maggie Creek, Mill Canyon, Mineral Hill, Mount Hope, Mount Tenabo, Palisade, Pine Valley, Pinto, Prospect, Roberts, Ruby Hill, Safford, Schroeder, Secret Canyon, Susie Creek, Union, and Williams Salt Marsh.

HUMBOLDT COUNTY 70

Districts—Adelaide, Amos, Ashdown, Awakening, Barret Spring, Battle Mountain, Bottle Creek, Central, Columbia, Disaster, Donnelly, Dutch Flat, Getchell, Golconda, Gold Run, Harmony, Iron Point, Jackson Creek, Kelly Creek, King's River, Leonard Creek, McDermitt, Mount Rose, National, New Central, New Goldfields, Opalite, Paradise Valley, Potosi, Poverty Creek, Preble, Pueblo, Rebel Creek, Red Butte, Sawtooth, Sherman, Shon, Slumbering Hills, Soldier Meadows, Sonoma Mountain, Spring City, Sulphur, Ten Mile, Varyville, Vicksburg, Virgin Valley, Warm Springs, Willow Creek, Willow Point, and Winnemucca.

LANDER COUNTY 81

Districts—Amador, Argenta, Austin, Bannock, Bateman Canyon, Battle Mountain, Big Creek, Big Smoky, Birch Creek, Bobtown, Buffalo Valley, Bullion, Bullion Hill, Bunker Hill, Campbell, Copper Basin, Copper Canyon, Cortez, Cottonwood Creek, Dean, Gelena, Gold Basin, Hilltop, Horse Canyon, Iowa Canyon, Izenhood, Kimberley, Kingston, Lander, Lewis, Mayesville, McCoy, Mill Canyon, Mount Tenabo, Mud Springs, New Pass, Pittsburg, Ravenswood, Reese River, Rock Creek, Rocky Canyon, Santa Fe, Shoshone, Skookum, Slavin Canyon, Smoky Valley, Steiner Canyon, Summit, Tenabo, Valley View, Victorine, Washington, Wild Horse, and Yankee Blade.

LINCOLN COUNTY 92

Districts—Atlanta, Boyd, Bristol, Caliente, Cave Valley, Chief, Comet, Delamar, Eagle Valley, Ely, Fairview, Fay, Ferguson, Freiburg, Geyser, Groom, Highland, Hiko, Jackrabbit, Lone Mountain, Pahranagat, Panaca, Patterson, Pioche, Silverhorn, Silver Park, Silver Springs, Stateline, Tempiute, Vigo, Viola, and Worthington.

LYON COUNTY 102

Districts—Chinatown, Churchill, Como, Dayton, Devil's Gate, Eldorado, Gold Canyon, Indian Springs, Ludwig, Mason, Mound House, Palmyra, Pine Grove, Ramsey, Red Mountain, Rockland, Silver City, Talapoosa, Washington, Wilson, and Yerington.

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MINERAL COUNTY 109

Districts—Acme, Aurora, Basalt, Bell, Belleville, Black Mountain, Bovard, Broken Hills, Buckley, Buena Vista, Cambridge, Candelaria, Cat Creek, Cedar Mountain, Columbus, Copper Mountain, Double Springs Marsh, Eagleville, East Walker, Esmeralda, Fitting, Garfield, Gold Range, Granite, Hawthorne, Hot Springs, Kincaid, Lucky Boy, Luning, Marietta, Mina, Mount Grant, Mount Montgomery, Mountain View, Omco, Oneota, Pamlico, Pilot Mountains, Queens, Rand, Rawhide, Regent, Reservation, Rhodes Marsh, Santa Fe, Silver Dyke, Silver Star, Simon, Sodaville, Sulphide, Teels Marsh, Telephone Canyon, Virginia Marsh, Walker Lake, and Whisky Flat.

NYE COUNTY 121

Districts—Antelope Springs, Arrowhead, Ash Meadows, Athens, Atwood, Barcelona, Bare Mountain, Beatty, Bellehelen, Belmont, Berlin, Big Dune, Black Spring, Blakes Camp, Brucite, Bruner, Bullfrog, Butterfield Marsh, Cactus Springs, Carrara, Clarkdale, Clifford, Cloverdale, Currant, Danville, Eden, Eden Creek, Ellendale, Ellsworth, Fairplay, Fluorine, Gabbs, Gold Belt, Gold Crater, Goldyke, Golden, Golden Arrow, Gold Park, Gold Reed, Granite, Grantsville, Green Isle, Hannapah, Hot Creek, Ione, Irwin Canyon, Jackson, Jamestown, Jefferson Canyon, Jett, Johnnie, Kawich, Keystone, Lee, Lexington, Lodi, Longstreet, Mammoth, Manhattan, Marble, Millett, Monte Cristo, Morey, North Twin River, Northumberland, Nyala, Oak Springs, O'Briens, Paradise Range, Philadelphia, Phonolite, Pioneer, Quartz Mountain, Railroad Valley Marsh, Republic, Reveille, Rhyolite, Round Mountain, Royston, San Antone, San Antonio, Silver Bend, Silver Bow, Silver Zone, Spanish Belt, Stonewall, Telluride, Tolicha, Tonopah, Trappmans, Troy, Twin River, Tybo, Union, Volcano, Wahmonie, Washington, Wellington, Willow Creek, and Wilsons.

ORMSBY COUNTY 147

Districts—Carson City, Delaware, Eagle Valley, Eldorado Canyon, Sullivan, Voltaire, and Washoe.

PERSHING COUNTY 149

Districts—Aldrich, American, American Canyon, Antelope, Antelope Springs, Arabia, Black Knob, Bloody Canyon, Buena Vista, Cedar, Central, Chafey, Copper Valley, Dun Glen, Echo, Eldorado, Farrell, Fitting, Goldbanks, Haystack, Hooker, Humboldt, Imlay, Indian, Iron Hat, Jersey, Juniper Range, Kennedy, Loring, Lovelock, Majuba Hill, Mill City, Mineral Basin, Muttleberry, Nightingale, Oreana, Oro Fino, Placerites, Prince Royal, Pleasant Valley, Rabbit Hole, Ragged Top, Relief, Rochester, Rosebud, Rye Patch, Sacramento, San Jacinto, Santa Clara, Sawtooth, Scossa, Seven Troughs, Sierra, South American Canyon, Spring Valley, Star, Stonehouse, Sunshine, Table Mountain, Trinity, Unionville, Velvet, Washiki, Wild Horse, and Willard.

STOREY COUNTY 168

Districts—Castle Peak, Chalk Hills, Comestock Lode, Flowery, Gold Hill, Parker & Noe, Red Mountain, Silver Star, Virginia City, and Washoe.

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WASHOE COUNTY 170

Districts—Buffalo Springs, Cottonwood, Crystal Peak, Deephole, Donelly, Flanigan, Galena, Gerlach, Granite Mountain, Jumbo, Leadville, Little Valley, Olinghouse, Peavine, Pyramid, Reno, Sand Pass, Sheephead, Steamboat Springs, Wedekind, West Comstock, and White Horse.

WHITE PINE COUNTY 176

Districts—Aurum, Bald Mountain, Black Horse, Bonita, Cherry Creek, Duck Creek, Eagle, Egan Canyon, Ely, Gold Canyon, Granite, Hamilton, Hub, Hunter, Joy, Kern, Lexington, Lincoln, Minerva, Muncy Creek, Nevada, Newark, Osceola, Piermont, Pleasant Valley, Queen Springs, Regan, Robinson, Ruby Hill, Sacramento, Schellbourne, Schell (Shell) Creek, Shoshone, Siegel, Silver Canyon, Silver Mountain, Snake, Steptoe, Strawberry, Success, Summit, Taylor, Tungsten, Tungstonia, Ward, Weaver Creek, and White Pine.

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PREFACE

In 1923 after several years of labor Francis Church Lincoln, then Director of the Mackay School of Mines, issued his book "Mining Districts and Mineral Resources of Nevada" through a private publishing company. The object of the book was to serve as a guide and a reference to the mining districts of the State giving under each its location, history, geology, mines, and bibliography, along with a list of occurrences of specified minerals by districts.

This first complete compilation of information on the State's mineral resources was a painstaking and masterful piece of work.

Soon after the organization of the Nevada State Bureau of Mines in 1929 the entire issue of unsold copies of the book was purchased, and to all purposes the book became an outstanding bulletin of the Bureau of Mines and the Mackay School of Mines. Naturally, since much of the book was a compilation of material gathered from many local people and publications, errors were incorporated in the text, with the most prevalent being the gross production figures credited to districts or mines. However, for over 20 years the book has been the mining engineers' and geologists' guidebook of Nevada, and has been highly praised for its most convenient arrangement of data by mining districts.

With the passing of years the Bureau of Mines in 1932 issued the bulletin "Metal and Nonmetal Occurrences in Nevada," mainly to bring the bibliography up to date and to include new districts. This bulletin was mainly the work of Carl Stoddard, mining engineer for the Bureau. Unfortunately, the demand for the bulletin was underestimated and the issue was exhausted more than two years ago.

In 1943 an accurate record of production by districts and mines was published as the bulletin, "Nevada's Metal and Mineral Production (1859–1940, Inclusive)." This was made possible by a prolonged study and compilation of "bullion tax" reports stored away in county courthouses over the years. This was mainly the work of Bertrand F. Couch, Secretary of the Bureau. With the issue of this bulletin it was recognized there was a need of a new geologic bibliography, along with a bulletin to bring the data of Lincoln's on the history of the districts and the mines up to date. It was apparent, however, that this latter compilation would best await the release to our Bureau of the data secured by Government bureaus in their intensive work over the war period. Since such a work would be very voluminous and extend over a long period of time it is our present idea to issue separate bulletins by counties following the pattern of the very useful U. S. Bureau of Mine's Information Circulars on Nevada Counties written by Wm. O. Vanderburg. These were issued from 1936–1940 and covered seven counties in all, being, respectively, Churchill, Clark, Eureka, Humboldt, Lander, Mineral, and Pershing.

Early in 1944 with only the geological bibliography of Lincoln's of 1923 available for distribution, work was started on a new inclusive

one to include Lincoln's and Stoddard's data along with new data through 1941.

Under the supervision of the Director of the Bureau, this work was first undertaken by W. James Bichan, a very competent geologist and rapid worker. He compiled his additional data by mining districts in most part from the U. S. Geological Survey Bulletin 937, "Bibliography of North American Geology," 1929–1939, and Bulletin 938 of 1940–1941 of the same title, which bulletins index the content material first by authors and second under headings as to the type of publication such as economic geology, historic geology, mineralogy, etc., but not by districts. He was aided by Miss Lois Bradshaw, Acting Secretary of the Bureau, in combining this work with that of Lincoln's and Stoddard's.

Later this work was reviewed in great detail by Dr. V. P. Gianella, head of the Department of Geology, University of Nevada, with the able assistance and research of the Bureau's mining engineers, Fred L. Humphrey, and Robert W. Prince.

Dr. Gianella, with his experience in geological publications and twenty-five years of intimate acquaintance with the mining districts of Nevada, corrected many errors occurring in the previous work, added many references, and systematized the form and presentation of the three separate compilations of data.

As a further aid to the geologists, Robert W. Prince, with the cooperation of Professor Wm. Smyth and others, compiled for this bulletin a bibliography by counties of all geologic maps of Nevada areas that have been included in the United States Geological bulletins and other geological publications. These areas have been indicated on a large scale map for the Bureau's office to give a visual conception of the large areas that still must be carefully studied before a complete geologic map of the State can be issued.

It is the hope of the Bureau that the combined geologic references of this bulletin as listed by counties and districts will best serve the needs of all those interested in the geology and mineral resources of the State.

JAY A. CARPENTER,
Director Nevada State Bureau of Mines, and Mackay School of Mines.

PART I

BIBLIOGRAPHY OF GEOLOGIC LITERATURE OF NEVADA

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FOREWORD

The last bibliography of the geology of Nevada mining districts is that of Stoddard.[1] At the request of Director Jay A. Carpenter a more complete bibliography has been complied up to 1942 and published in this bulletin. No claim is made to completeness, as only those articles which are thought to have a direct interest to the mining fraternity have been selected, leaving out those that have but technical or scientific interest.

The titles have been arranged according to mining districts and the districts grouped according to counties. This arrangement was used by Lincoln,[2] and continued by Stoddard, as it has met with approval by those interested in Nevada mining. Where districts lie across county lines, or their location is doubtful, an attempt has been made to list in one county and refer to them through cross-indexing.

Most of the districts of Nevada, as used in this bulletin, are not districts in the original sense of the term. In the early days of mining in the West, districts were organized, and sanctioned by law, largely to have the benefit of a District Recorder for the recording of mining claims. However, with the changed conditions in later years this practice has been discontinued and the designation "District" has lost most of its original significance. At present, so far as the writer is aware, there is but one district in the State having a local recorder's office. Normally all recording is done at the county seats. Most districts do not have definite boundaries. In many cases a given area is known by several different names. In this publication the most widely accepted designation is used for a given district, followed, in parentheses, by the other names by which it is known.

Names of places, and topographic features, are taken from the General Land Office map of Nevada published in 1941.

The writer wishes to acknowledge the assistance of Mr. Fred Humphrey and Mr. Robert Prince who assisted in the compilation. Mr. Prince was also responsible for a thorough revision of the original draft. Miss Betty Flyge, Acting Secretary of the Bureau, aided in proof reading the manuscript. Thanks are also due to many others who aided in this work.

V. P. G.

[1]Stoddard, Carl, Metal and Nonmetal Occurrences in Nevada, 1932.
[2]Lincoln, Francis Church, Mining Districts and Mineral Resources of Nevada, 1923.

LIST OF MINING DISTRICTS BY COUNTIES

CHURCHILL COUNTY

ALPINE. Ag, Au, Mo.
(Clan Alpine)

On the east slope of the Clan Alpine Range, 14 miles north of Eastgate, U S 50.
Tertiary volcanics.
Veins, shear zones.

Browne, J. R., and Taylor, J. W., Reports upon the mineral resources of the states and territories west of the Rocky Mountains: (for 1866), 128, Govt. Printing Office, Washington: 1867.

Browne, J. R., Report on the mineral resources of the United States: (for 1867), 334, Govt. Printing Office, Washington: 1868.

Hill, J. M., The Mining districts of the western United States: U. S. Geol. Survey Bull. 507: 199, 1912.

Horton, F. W., Molybdenum, its ores and their concentration: U. S. Bur. Mines Bull. 87: 111, 1916.

Lincoln, F. C., Mining districts and mineral resources of Nevada: Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 198, 1917.

Stretch, R. H., Nevada state mineralogist's report for 1866: 29, Carson City: 1867.

Vanderburg, W. O., Reconnaissance of mining districts in Churchill County, Nevada: U. S. Bur. Mines Inf. Circ. 7093: 15, 1940.

White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 86, Carson City: 1869.

ASPEN. Au.
(Nigger Wells)

In the extreme southeastern part of Churchill County, eight miles east of Broken Hills.
Tertiary volcanics.

Gianella, V. P., and Wheeler, H. E., Tertiary gold-bearing fossil wood in Nevada: (Abst.), Geol. Soc. American Proc. 1936: 301, 1937.

Palmer, W. S., Gold in petrified wood: Rocks and Minerals, 10 (7): 102–103, 1935; P. R. Bul. Mackay School of Mines; April, 1935.

BELL MOUNTAIN (See FAIRVIEW)

BERNICE. Au, Ag, Sb.

On the north end of the Clan Alpine Range, 41 miles northeast from Frenchman, U S 50.
Sedimentary rocks.
Veins.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 49, 1941.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 199, 1912.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 1, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Mallory, W., Antimony veins at Bernice, Nevada: Min. & Sci. Press, 112: 556, 1916.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 199, 1917.
Vanderburg, W. O., Reconnaissance of mining districts in Churchill County, Nevada: U. S. Bur. Mines Inf. Circ. 7093: 16, 1940.

BOLIVIA (See TABLE MOUNTAIN)

BOYER (See TABLE MOUNTAIN)

BROWNS (See TOY)

BUENA VISTA. Fe. (See MINERAL BASIN, PERSHING COUNTY)
On northern boundary of Churchill County, 25 miles southeast of Lovelock, S. P. R. R.

CHALK MOUNTAIN. Pb, Ag, Vanadium.
(King)
On Chalk Mountain, 11 miles northeast of Frenchman, U S 50.
Triassic (?) limestone; granodiorite.
Veins, replacements.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 60 (erythrite, vanadinite), 70 (stibiconite), 1941.
Schrader, F. C., The Chalk Mountain, Quartz Mountain, Gold Basin, and King mining districts, Nevada: U. S. Geol. Survey P. N. 17276: 1927.
Vanderburg, W. O., Reconnaissance of mining districts in Churchill County, Nevada: U. S. Bur. Mines Inf. Circ. 7093: 17, 1940.

CLAN ALPINE (See ALPINE)

COPPER KETTLE. Cu.
In Grimes Canyon on the west slope of the Stillwater Range.
Diorite, overlain by altered porphyry.
Veins.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 2, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

COPPEREID (See WHITE CLOUD)

COTTONWOOD CANYON (See TABLE MOUNTAIN)

DESERT. Au.
(White Plains)
On the northeast end of the Hot Springs Mountains, eight miles southwest of Huxley Station, S. P. R. R.
Diorite.
Quartz veins.
Browne, J. R., and Taylor, J. W., Reports upon the mineral resources of the United States: (for 1866), 334, Govt. Printing Office, Washington: 1867.

Hill, J. M., The Mining districts of the Western United States: U. S. Geol. Survey Bull. 507: 200, 1912.
Lee, W. T., Stone, R. W., Gale, H. S., and others, Guidebook of the western United States, Part B, the Overland Route with a side trip to Yellowstone Park: U. S. Geol. Survey Bull. 612: 182, 1915.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 2–3, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.
Vanderburg, W. O., Reconnaissance of mining districts in Churchill County, Nevada: U. S. Bur. Mines Inf. Circ. 7093: 19, 1940.

DIXIE MARSH. Borax, Salines.
In Dixie Valley, 40 miles north of Frenchman's Station on U S 50.
Free, E. E., The topographic features of the desert basins of the United States with reference to the possible occurrence of potash: U. S. Dept. Agr. Bull. 54: 31, 1914.
Gale, H. S., Notes on the Quarternary lakes of the Great Basin: U. S. Geol. Survey Bull. 540: 402, 1914.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 84 (halite), 1941.
Hance, J. H., Potash in western saline deposits: U. S. Geol. Survey Bull. 540: 463–4, 1914.
Hague, Arnold, Osobb Valley salt field: U. S. Geol. Expl. 40th Parallel Report 2: 707–8, 1877.
Phalen, W. C., Salt resources of the United States: U. S. Geol. Survey Bull. 669: 140, 1919.
Young, G. J., Potash salts and other salines in the Great Basin region: U. S. Dept. of Agr. Bull. 61: 54–6, 1914.

EAGLE SALT MARSH (See LEETE)

EASTGATE. Au, Ag, Pb.
On U S 50, sixty miles east-southeast of Fallon, S. P. R. R., on west slope of the Desotoya Range.
Quartz and claylike masses.
Veins.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 200, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 4, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.
Vanderburg, W. O., Reconnaissance of mining districts in Churchill County, Nevada: U. S. Bur. Mines Inf. Circ. 7093: 20, 1940.

FAIRVIEW. Ag, Au, Pb, Cu.
(Bell Mountain, South Fairview)
In the vicinity of Fairview Peak, 42 miles east-southeast of Fallon, S. P. R. R., south of U S 50.
Mesozoic sediments overlain by Tertiary volcanics.
Veins.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 46 (argentite), 48 (tetrahedrite), 56 (native silver, cerargyrite), 72 (rhodochrosite), 1941.
Greenan, J. O., Geology of Fairview, Nevada: Eng. & Min. Jour. 97: 791–3, 1914.
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Lawson, A. C., Geology of the Nevada Hills: (Abst.) Geol. Soc. Am. Bull. 23: 74, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 4, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Rice, C. T., Gold and silver at Fairview, Nevada: Eng. & Min. Jour. 82: 729–30, 1906.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 190, 191, 194, 197, and 198, 1917.
Stuart, E. E., Nevada's mineral resources: 7, 108–9, Carson City: 1909.
Vanderburg, W. O., Reconnaissance of mining districts in Churchill County, Nevada: U. S. Bur. Mines Inf. Circ. 7093: 23, 1940.
Zalinski, E. R., The mines of the Fairview district, Nevada: Eng. & Min. Jour. 83: 699–703, 1907.

FALLON (See HOLY CROSS)

FERNLEY (See LEETE)

FIREBALL. Au.

On the east slope of the Truckee Range, 10 miles northwest of Springers Hot Springs, U S 40.
Limestone and Tertiary volcanics.
Veins.

Vanderburg, W. O., Reconnaissance of mining districts in Churchill County, Nevada: U. S. Bur. Mines Inf. Circ. 7093: 30, 1940.
Anonymous, Nevada has new gold find: Eng. & Min. Jour. 132 (1): 34, 1931.

GOLD BASIN. Au, Ag.

Located on east base of Fairview Peak forty-five miles southeast of Fallon, S. P. R. R.
Tertiary volcanics.
Veins.

Schrader, F. C., The Chalk Mountain, Quartz Mountain, Gold Basin and King mining districts, Nevada: U. S. Geol. Survey P. N. 17276: 1927.

HERCULES (See WONDER)

HOLY CROSS. Mn, Ag, Au, Cu, Pb, Diatomite.
(Fallon, Terrell)

On the east slope of the south end of the Desert Range, 15 miles north-northeast of Schurz, S. P. R. R.
Tertiary volcanics.
Veins, replacement deposits.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 5–6, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Pardee, J. T., and Jones, E. L., Jr., Deposits of manganese ore in Nevada: U. S. Geol. Survey Bull. 710: 233, 1920.
Vanderburg, W. O., Reconnaissance of mining districts in Churchill County, Nevada: U. S. Bur. Mines Inf. Circ. 7093: 30, 1940.

HOT SPRINGS MARSH (See LEETE)

I. X. L. Ag, Au, Pb, Cu.
(Silver Hill)

In the Stillwater Range, 28 miles northeast of Fallon and 32 miles north of Fallon, S. P. R. R.
Granite and slate.
Veins.

Browne, J. R., and Taylor, J. W., Reports upon the mineral resources of the United States: (for 1866), 128, Govt. Printing Office, Washington: 1867.
Reports on the mineral resources of the United States: (for 1867), 333–4, Govt. Printing Office, Washington: 1868.
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JESSUP. Au, Ag, Diatomite.

On the east slope of the south end of the Trinity Range, 30 miles southwest of Lovelock, S. P. R. R.
Tertiary volcanics.
Veins.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 200, 1912.
Lee, W. T., Stone, R. W., Gale, H. S., and others, Guidebook of the western United States, Part B, The Overland Route, with a side trip to Yellowstone Park: U. S. Geol. Survey Bull. 612: 182, 1915.
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KING (See CHALK MOUNTAIN)

LAKE. Pb, Ag, Sb, Nitrates.

On the north flank of the south end of the Humboldt Range, 27 miles south of Lovelock, extending into Pershing County.

Jurassic shales.

Lodes.

Gale, H. S., Nitrate deposits: U. S. Geol. Survey Bull. 523: 19–25, 1912. Nitrate deposits in Nevada. (Abst.) Min. and Eng. World 37: 1048–50, 1912.

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Phalen, W. C., Salt resources of the United States: U. S. Geol. Survey Bull. 669: 140, 1919.

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Vanderburg, W. O., Reconnaissance of mining districts in Churchill County, Nevada: U. S. Bur. Mines Inf. Circ. 7093: 36, 1940.

Van Wagenan, T. H., Nitrate deposits, Humboldt County, Nevada: Min. & Sci. Press 84: 63, 1902.

LA PLATA (See MOUNTAIN WELL)

LEETE. Au, Ag, Pb, Borax, Salines.
(Fernley, Eagle, Salt Marsh, Hot Springs Marsh)

In northwest Churchill County 15 miles northeast of Fernley, S. P. R. R.

Tertiary volcanics and lacustrine sediments.

Veins and desiccated lake deposits.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 36 (halite), 1941.

Hanks, H. G., Report on the borax deposits of California and Nevada: Cal. State Min. Bur. 3d Ann. Rept. 2: 45, 1883.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 7 Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

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Russell, I. C., Geological history of Lake Lahontan: U. S. Geol. Survey Mon. 11: 234–5, 1885.

Vanderburg, W. O., Reconnaissance of mining districts in Churchill County, Nevada: U. S. Bur. Mines Inf. Circ. 7093: 39, 1940.

Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 6, 15 (borax), 18–19 (salt), Carson City: 1873.

MOUNTAIN WELLS. Ag.
(La Plata)

On the east slope of the Stillwater Range, 12 miles north of Frenchman and 30 miles east of Fallon, S. P. R. R.

Mesozoic sediments, granitic intrusives, and Tertiary volcanics.

Veins and replacement deposits.

Browne, J. R., and Taylor, J. W., Reports upon the mineral resources of the United States: (for 1866), 128, Govt. Printing Office, Washington: 1867. Reports on the mineral resources of the United States: (for 1867), 334, Govt. Printing Office, Washington: 1868.

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Stretch, R. H., Nevada state mineralogist's report for 1866: 29, Carson City: 1867.

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White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 86, Carson City: 1869.

NIGGER WELLS (See ASPEN)

PARRAN (See WHITE PLAINS FLAT)

SALT WELLS MARSH (See SAND SPRINGS)

SAND SPRINGS. Au, Ag, Borax, Salines.
(Salt Wells Marsh)

Including Sand Springs Marsh and a portion of Sand Springs Range, 25 miles east of Fallon on U S 50.

Mesozoic sediments, Tertiary volcanics and lake beds.

Veins and lacustrine deposits.

Browne, J. R., and Taylor, J. W., Reports upon the mineral resources of the United States: (for 1866), 94–5, Govt. Printing Office, Washington: 1867. Reports on the mineral resources of the United States: (for 1867), 310–11, Govt. Printing Office, Washington: 1868.

Dobson, P. G., Bralorne's Nevada enterprise: The Miner (Vancouver, B. C.), 13 (8): 31–33, 1940.

Free, E. E., The topographic features of the desert basins of the United States with reference to the possible occurrence of potash: U. S. Dept. Agr. Bull. 54: 16, 1914.

Hance, J. H., Potash in western saline deposits: U. S. Geol. Survey Bull. 540: 462–3, 1914.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 8–9, Nevada Newsletter Pub. Co., Reno, Nevada: 1923.

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Vanderburg, W. O., Reconnaissance of mining districts in Churchill County, Nevada: U. S. Bur. Mines Inf. Circ. 7093: 40, 1940.

White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 16, Carson City: 1869.

Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 15–17 (borax), 19 (salt), Carson City: 1873.

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Young, G. J., Potash salts and other salines in the Great Basin region: U. S. Dept. Agr. Bull. 61: 39, 59, 1914.

SHADY RUN. Au, Ag, Pb.

On the east slope of the Stillwater Range, 40 miles northeast of Fallon, S. P. R. R.

Quartzite intruded by quartz porphyry.

Veins.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 9–10, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Stuart, E. E., Nevada's mineral resources: 110, Carson City: 1909.

Vanderburg, W. O., Reconnaissance of mining districts in Churchill County, Nevada: U. S. Bur. Mines Inf. Circ. 7093: 43, 1940.

SILVER HILL. (See I. X. L.)

SODA LAKES. Soda, Borax.

Six miles northwest of Fallon, and about one mile north of U S 50.

Chatard, T. M., U. S. Geol. Survey Bull. 9: 25 (water analyses): 1884.

Natural soda, its occurrence and utilization: U. S. Geol. Survey Bull. 60: 46–53, 1890.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6) Geol. and Min. ser. (36): 85 (trona), 86 (borax), 87 (mirabilite), 1941.

Hague, Arnold, West Humboldt region: (Carson Desert), U. S. Geol. Expl. 40th Par. Report: 2, 746–50, Govt. Printing Office, Washington: 1877.

Hanks, H. G., Report on the borax deposits of California and Nevada: Calif. State Min. Bur. 4th Ann. Rept. 2: 45, 1883.

King, Clarence, Report of the geological exploration of the fortieth parallel (1): 510–514, Govt. Printing Office, Washington: 1878.

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Lee, W. T., Stone, R. W., Gale, H. S., and others, Guidebook of the western United States, Part B, The Overland Route with a side trip to Yellowstone Park: U. S. Geol. Survey Bull. 612: 184, 1915.

Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 186–7, (soda and borax), Govt. Printing Office, Washington: 1869.

Russell, I. C., Geological history of Lake Lahontan: U. S. Geol. Survey Mon. 11: 73–80, 1885.

Vanderburg, W. O., Reconnaissance of mining districts in Churchill County, Nevada: U. S. Bur. Mines Inf. Circ. 7093: 43, 1940.

White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 15-16, Carson City: 1869.

Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 18, Carson City: 1873.

Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 15–17, Carson City: 1875.

Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 6–7, Carson City: 1877.

Young, G. J., Potash salts and other salines in the Great Basin region: U. S. Dept. Agr. Bull. 61: 64, 1914.

SOUTH FAIRVIEW (See FAIRVIEW)

TABLE MOUNTAIN. Ni, Co, Cu, Au, Pb, Ag, Sb, Kaolin, Gypsum. (Boyer, Cottonwood Canyon, Bolivia)

Sixty miles southeast of Lovelock, S. P. R. R., at north end of Dixie Valley and about fifty-five miles north of U S 50. Extends into Pershing County.

Triassic sediments cut by diorite capped by Tertiary volcanics.

Veins.

Blake, W. P., Nickel: Mineral resources of the United States: (1883 and 1884), 1,539, U. S. Geol. Survey: 1885.

1,539, U. S. Geol. Survey: 1885.

Browne, J. R., and Taylor, J. W., Reports upon the mineral resources of the United States: (for 1866), 319, Govt. Printing Office, Washington: 1867.

Buwalda, J. P., High-grade clays of the eastern United States, with notes on some western clays: U. S. Geol. Survey Bull. 708: 122–4, 1922 (Nevada).

Carpenter, A. H., Boyer copper deposits, Nevada: Min. & Sci. Press 103: 804–5, 1911.

Ferguson, H. G., Nickel deposits in Cottonwood Canyon, Churchill County, Nevada: Univ. Nev. Bull. 33 (5), Geol. and Min. ser. (32): 24 pp. 1939.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 44 (tourmaline), 60 (erythrite), 84 (kaolinite), 1941.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 199, 1912.

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Louderback, G. D., Basin range structure of the Humboldt region: Geol. Soc. Am. Bull. 15: 334, 1904.

Newberry, S. B., On some specimens of nickel ore from Nevada: Am. Jour. Sci. (3) 28: 122, 1884.

Ransome, F. L., Notes on some mining districts in Humboldt County, Nevada: U. S. Geol. Survey Bull. 414: 55–58, 1909.

Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 212–13, Govt. Printing Office, Washington: 1869.

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Stuart, E. E., Nevada's mineral resources: 121, 122–3, Carson City: 1909.

Vanderburg, W. O., Reconnaissance of mining districts in Churchill County, Nevada: U. S. Bur. Mines Inf. Circ. 7093: 45, 1940.

Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 54, Carson City: 1873.

Biennial report of the state mineralogist of the State of Nevada for the years 1877 and 1878: 65–6, San Francisco: 1879.

TERRELL (See HOLY CROSS)

TOY. Tungsten.
(Browns)

On the west slope of the Trinity Range, two miles south of Toy section house on U S 40.
Mesozoic sediments and granitic intrusives.
Contact metamorphic deposits.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 75 (zoisite), 1941.
Hess, F. L., and Larsen, E. S., Contact-metamorphic tungsten deposits of the United States: U. S. Geol. Survey Bull. 725–D: 287–9, 1921.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 212, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 13, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
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Vanderburg, W. O., Reconnaissance of mining districts in Churchill County, Nevada: U. S. Bur. Mines Inf. Circ. 7093: 51, 1940.

WESTGATE. Ag, Pb, Au.

On the east slope of the Clan Alpine at Westgate, U S 50.
Jurassic limestone.
Veins and replacements.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 200, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 13, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., The Chalk Mountain, Quartz Mountain, Gold Basin, and King mining districts, Nevada: U. S. Geol. Survey P. N. 17276: 1927.

WHITE CLOUD. Cu, Zn, Fe, Ag.
(Coppereid)

On west slope of the Stillwater Range, 35 miles southeast of Lovelock, S. P. R. R.
Triassic sediments, granitic intrusions and Tertiary volcanics.
Replacements, contact metamorphic deposits.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 200, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 13–14, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Ransome, F. L., Notes on some mining districts in Humboldt County, Nevada: U. S. Geol. Survey Bull. 414: 59–61, 1909.
Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 193, Govt. Printing Office, Washington: 1869.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 187, Govt. Printing Office, Washington: 1875.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 193, 1917.
Vanderburg, W. O., Reconnaissance of mining districts in Churchill County, Nevada: U. S. Bur. Mines Inf. Circ. 7093: 52, 1940.

Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 19, Carson City: 1873

WHITE PLAINS FLAT. Salines.
(Parran)

Twenty-seven miles north of Fallon in the vicinity of Huxley, S. P. R. R.
Lacustrine deposits.

Lee, W. T., Stone, R. W., Gale, H. S., and others, Guidebook of the western United States, Part B, The Overland Route with a side trip to Yellowstone Park: U. S. Geol. Survey Bull. 612: 183, 1915.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 14, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Phalen, W. C., Salt resources of the United States: U. S. Geol. Survey Bull 669: 140, 1919.

WONDER. Ag, Au, Cu, Zn.
(Hercules)

On the west slope of the Clan Alpine Range, 17 miles by road northeast o Frenchman, U S 50.
Tertiary volcanics and lake beds.
Veins.

Burgess, J. A., The halogen salts at Wonder, Nevada: Econ. Geol. 12: 58t 593, 1917. Discussions as follows: Young, J. W., Econ. Geol. 13, 224–5, 1918. Lindgren, Waldemar, Econ. Geol. 13, 225–6, 1918. Burgess, J. A., Econ. Geol. 13, 546–9, 1918. Knopf, Adolph, Econ. Geol. 13, 622–4, 1918. Young, J. W., Econ. Geol. 14, 427–430, 1919.
Ferguson, Henry G., The mining districts of Nevada: Econ. Geol. 24 (2): 115, 1929.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 46 (argentite), 56 (cerargyrite), 64 (embolite), 1941.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 200–1, 1915.
Ritter, E. A., Ore formation in the Wonder district, Nevada: Eng. & Min. Jour. 87: 289–292, 1909.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 190–191, 1917.
Vanderburg, W. O., Reconnaissance of mining districts in Churchill County, Nevada: U. S. Bur. Mines Inf. Circ. 7093: 54, 1940.
Zalinski, E. R., Mining in the Wonder district, Nevada: Eng. & Min. Jour. 83: 763–5, 1907.
Recent developments at Wonder: Eng. & Min. Jour. 84: 357–8, 1907.

CLARK COUNTY

ALUNITE. Au.
(Railroad Pass, Vincent)

On Highway 98, 22 miles from Las Vegas and two miles west of Boulder City.
Veins and stringers.

Callaghan, Eugene, Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 144 (alunite), 1936.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 202, 1915.

Hill, R. T., A scientific search for a new Goldfield: Eng. & Min. Jour. 86: 1157–1160, 1908; *Idem*, 1206, 1908.

Camp Alunite, a new Nevada gold district: Eng. & Min. Jour. 86: 1203–6, 1908.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 16–17, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 54 (gold), 1936.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.

Vanderburg, W. O., Reconnaissance of mining districts in Clark County, Nevada: U. S. Bur. Mines Inf. Circ. 6964: 12, 1937.

APEX. Limestone.

Twenty miles northeast of Las Vegas on Highway 91.

Moore, B. N., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 164 (limestone and dolomite), 1936.

ARDEN. Gypsum.

On railroad 12 miles southwest of Las Vegas.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 68 (anhydrite), 85 (gypsum), 1941.

Gilbert, G. K., Report on the geology of portions of Nevada, Utah, California, and Arizona examined in the years 1871 and 1872. United States geographical surveys west of the 100th meridan, 3: 166, Govt. Printing Office, Washington: 1875.

Jones, J. C., Gypsum deposits of the United States: U. S. Geol. Survey Bull. 697: 155–8 (Southern Nevada), 1920.

Louderback, G. D., Gypsum deposits in Nevada: U. S. Geol. Survey Bull. 223: 112, 1904.

Moore, B. N., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 167 (gypsum), 1936.

Vanderburg, W. O., Reconnaissance of mining districts in Clark County, Nevada: U. S. Bur. Mines Inf. Circ. 6964: 1937.

BARD

Moore, B. N., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 169 (silica), 1936.

BAUER

Thirty miles south of Bunkerville which is on Highway 91.

Rubey, W. W., and Callaghan, Eugene, Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 140–41 (magnesite and brucite), 1936.

BOULDER CITY

Twenty-three miles southeast of Las Vegas.

Moore, B. N., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871; 147 (alum), 1936.

BUNKERVILLE. Cu, Au, Ag, Ni, Co, Pt, W.
(Copper King, Great Eastern, Key West)

Fifteen miles south of Bunkerville, U. P. R. R.
Pre-Cambrian gneiss intruded by basic dikes.
Veins.

Bancroft, Howland, Platinum in southeastern Nevada: U. S. Geol. Survey Bull. 430: 192–9, 1910.

Carpenter, J. A., Mineral resources of southern Nevada: Nev. State Bur. Mines Bull. 1 (1): 19–20, 1929.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 53 (pyrrhotite), 1941.

Hill, J. M., Mining districts of the western United States: U. S. Geol. Survey Bull. 507: 30, 201–2, 1912.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 118–119, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Lindgren, Waldemar, and Davy, W. M., Nickel ores from Key West mine, Nevada: Econ. Geol. 19 (4): 309–319, 1924.

Longwell, C. R., Geology of the Muddy Mountains, Nevada, with a section through the Virgin Range to the Grand Wash Cliffs, Arizona: U. S. Geol. Survey Bull. 798: 18, 1928.

Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 54 (copper), 87 (cobalt-nickel), 1936.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 192–3, 195–7, 1917.

Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 131–3, 1903.

Thompson, A. M., Nickel-copper-platinum ore in Nevada: Eng. & Min. Jour. 86: 72, 1908.

Vanderburg, W. O., Reconnaissance of mining districts in Clark County, Nevada: U. S. Bur. Mines Inf. Circ. 6964: 16, November, 1937.

Anonymous, Nickel ore in Nevada: Eng. & Min. Jour. 86: 23, 1908.

CALLVILLE WASH (See LOGAN)

CHARLESTON. Pb, Zn, Ag.

Thirty miles west of Las Vegas, U. P. R. R.

Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 54 (gold), 1936.

COLORADO (See ELDORADO CANYON)

COPPER KING (See BUNKERVILLE)

CRESCENT. Au, Ag, Pb, Cu, Mo, V.

Six miles east of Nipton, U. P. R. R.
Pre-Cambrian metamorphic rocks cut by granite intrusions and basic dikes.
Veins.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35(6), Geol. and Min. ser. (36): 60 (vanadinite), 1941.
Hill, J. M., The mining districts of the Western United States: U. S. Geol. Survey Bull. 507: 201, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 19, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Moore, B. N., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 170 (feldspar), 1936.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 55 (gold), 1936.
Ransome, F. L., Preliminary account of Goldfield, Bullfrog, and other mining districts in southern Nevada: U. S. Geol. Survey Bull. 303: 79–80, 1907.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 199 (vanadinite), 200 (wulfenite), 1917.
Vanderburg, W. O., Reconnaissance of mining districts in Clark County, Nevada: U. S. Bur. Mines Inf. Circ. 6964: 19, 1937.

DIKE. Pb.

One mile north of Dike siding on the U. P. R. R., 15 miles northeast of Las Vegas.
Paleozoic limestones.
Veins.

Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 55 (lead), 1936.

ELDORADO CANYON. Au, Ag, Cu, Pb.
(Colorado, Nelson)

Twenty-four miles northeast of Searchlight, in Opal Mountains. South of Boulder City, U. P. R. R.
Pre-Cambrian granite and gneiss cut by acidic intrusives and capped by Tertiary volcanics.
Veins.

Browne, J. R., and Taylor, J. W., Reports upon the mineral resources of the United States: (for 1866), 429, Govt. Printing Office, Washington: 1867.
Carpenter, J. A.,Mineral resources of southern Nevada: Nev. State Bur. Mines Bull. 1 (1): 20–21, 1929.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 60 (native gold), 1941.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 201, 1912.
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Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 55 (gold), 1936.
Ransome, F. L., Preliminary account of the Goldfield, Bullfrog, and other mining districts in southern Nevada: U. S. Geol. Survey Bull. 303: 63–76, 1907.
Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 186, Govt. Printing Office, Washington: 1869.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.

Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 38, 1932.
Stuart, E. E., Nevada's mineral resources: 134–5, Carson City: 1909.
Vanderburg, W. O., Reconnaissance of mining districts in Clark County, Nevada: U. S. Bur. Mines Inf. Circ. 6964: 26, 1937.
White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 85, Carson City: 1869.
Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 103, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 96, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 91, Carson City: 1876.

GASS PEAK. Ag, Au, Zn.

Eighteen miles north of Las Vegas, U. P. R. R.
Paleozoic limestones.
Veins.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 74 (hemimorphite), 1941.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 20–21, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 55 (gold), 1936.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: (Las Vegas Range), 1903.

GOLD BUTTE. Au, Ag, Cu, Zn.

Forty miles south of Bunkerville, which is on Highway 91.
Pre-Cambrian complex cut by acidic and basic dikes.
Veins, replacements.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 53 (chalcopyrite), 1941.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 201, 1912.
Notes on some mining districts in eastern Nevada: U. S. Geol. Survey Bull. 648: 42–54, 1916.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 55 (gold), 1936.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 21, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 131–3 (Virgin Range), 1903.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 63, 1936. Reconnaissance of mining districts in Clark County, Nevada: U. S. Bur. Mines Inf. Circ. 6964: 34, 1937.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 90–91 (mica), Carson City: 1873.

GOODSPRINGS. Zn, Pb, Cu, Au, Ag, Pt, Pd, Co, Ni, Ra, Sb.
(Yellow Pine, Potosi)

Eight miles northwest of Jean, U. P. R. R.
Paleozoic sediments cut by dikes.
Replacements.

Bain, H. F., A Nevada zinc deposit: U. S. Geol. Survey Bull. 285: 166–9, 1906.
Billingsley, Paul, and Locke, Augustus, Structure of ore districts in the continental framework [with discussion by E. H. Wisser]: Am. Inst. Min. Met. Trans. 144: 9–59, 59–64, 1941.
Carpenter, J. A., Mineral resources of southern Nevada: Nev. State Bur. Mines Bull. 1 (1): 20–21, 1929.
An investigation into the presence of commercial quantities of mercury and gold in the dry lakes of Nevada: Univ. Nev. Bull. 35 (4), Geol. and Min. ser. (35): 6, 1941.
Cooke, S. R. B., and Doan, D. J., The mineragraphy and X-ray analysis of stainierite from the Swansea mine, Goodsprings, Nevada: Am. Miner. 20 (4): 274–280, 1935.
Crampton, F. A., Platinum at the Boss mine, Goodsprings, Nevada: Min. & Sci. Press 112: 479–482, 1916.
Ferguson, H. G., The mining districts of Nevada: Econ. Geol. 24 (2): 115, 1929.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 54 (aurichalcite), 61 (pyromorphite), 62 (jarosite), 74 (smithsonite, hemimorphite), 79 (cerussite, anglesite), 1941.
Glock, W. S., Geology of the east-central part of the Spring Mountain Range, Nevada: Am. Jour. Sci. (5) 17: 326–341, 1927.
Gregory, N. B., The Yellow Pine mining district of Nevada: Eng. & Min. Jour. 90: 1308–9, 1910.
Hale, F. A., Jr., Yellow Pine District, Nevada: Eng. & Min. Jour. 91: 803–4, 1911.
Developments in the Yellow Pine district, Nevada: Min. & Eng. World: 915, 1911.
Yellow Pine mining district, Nevada: Mex. Min. Jour. 15: 29, 1912.
Platinum ore in southern Nevada: Eng. & Min. Jour. 98: 641–2, 1914.
Ore deposits of the Yellow Pine mining district, Clark County, Nevada: A. I. M. E. Trans. 59: 93–111, 1918: A. I. M. E. Bull. 134; 535–553, 1918; Eng. & Mining Jour. 105: 455, 460, 1918.
Hazzard, J. C., and Mason, J. F., "Goodsprings dolomite" of Nevada and its faunas: Geol. Soc. Amer. Proc. 1935: 378, June, 1936.
Hewett, D. F., Carnotite in southern Nevada: Eng. & Min. Jour. 115: 232–5, 1923.
Geology and ore deposits of the Goodsprings quadrangle, Nevada: U. S. Geol. Survey Prof. Paper 162: 1931.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 202, 1912.
The zinc-lead deposits of the Yellow Pine district: (Abst.) Wash. Acad. Sci. Jour. 3: 238–9, 1913.
The Yellow Pine district, Clark County, Nevada: U. S. Geol. Survey Bull. 540F: 223–274, 1914.
Hillen, A. G., Zinc in Nevada: Los Angeles Min. Rev.: 72, Sept. 24, 1910.
Kennedy, J. C., Occurrence of platinum at Boss mine, Nevada: Min. & Eng. World 42: 939–940, 1915.

Knopf, Adolph, Platinum-gold lode deposit in southern Nevada: (Abst.) Geol. Soc. Am. Bull. 26: 85, 1915.
Plumbojarosite and other basic lead-ferric sulphates from the Yellow Pine district, Nevada: Wash. Acad. Sci. Jour. 5: 497–503, 1915.
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Longwell, C. R., Structural studies in southern Nevada and western Arizona: Geol. Soc. Am. Bull. 37: 551–584, 1926.
Mansfield, G. R., and Boardman, Leona, Nitrate deposits of the United States: U. S. Geol. Survey Bull. 838: 39, 1932.
Mudd, S. W., The Boss Mine, Goodsprings, Nevada: Min. & Sci. Press 110: 297–8, 1915.
Nevius, J. N., Reconnaissance of Goodsprings district, Nevada: Min. & Eng. World 42: 897–9, 1915.
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With Hewett, D. F., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 56 (lead-zinc-gold), 87 (cobalt), 88 (molybdenum, wulfenite), 91 (vanadium), 1936.
Palmer, L. A., The Yellow Pine district, Nevada: Eng. & Min. Jour. 102: 123–5, 1916.
Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 168–175, Govt. Printing Office, Washington: 1869.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 190–193, 196, 198, 1917.
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Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 164–180, 1903.
Stuart, E. E., Nevada's mineral resources: 31, 136–37, Carson City, 1909.
Vanderburg, W. O., Reconnaissance of mining districts in Clark County, Nevada: U. S. Bur. Mines Inf. Circ. 6964: 37, November, 1937.
Wheeler, G. W., United States geographical surveys west of the 100th meridian (3): 124, 166, 179, 180, Govt. Printing Office, Washington: 1875.
White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 103, Carson City: 1869.
White, Douglas, Zinc mines of southern Nevada: Am. M. Cong. 12th An. Sess. Rp. Pr: 401–411, 1909.
Whitehill, H. W., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 95–6, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 92, Carson City: 1877.
Anonymous, Palladium; its characteristics, uses, and discovery in the Boss mine: Min. & Sci. Press 109: 990, 1914.
Anonymous, The Yellow Pine mine at Goodsprings, Nevada: Min. & Sci. Press 121: 239–240, 1920.

GREAT EASTERN **(See BUNKERVILLE)**

IVANPAH. Ag.

In southwest Clark County and California.

Moore, B. N., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 164 (limestone and dolomite), 1936.

JEAN

Moore, B. N., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 164 (limestone and dolomite), 1936.

Vanderburg, W. O., Reconnaissance of mining districts in Clark County, Nevada: U. S. Bur. Mines Inf. Circ. 6964: 53, 1937.

KEY WEST (See BUNKERVILLE)

LAS VEGAS. Mn.

Sixteen miles southeast of Las Vegas, U. P. R. R.

Tertiary volcanics.

Replacements.

Carpenter, J. A., Mineral resources of southern Nevada: Nev. State Bur. Mines Bull. 1 (1): 18, 1929.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 41 (staurolite), 49 (psilomelane), 59 (hematite), 65 (kyanite), 85 (gypsum), 1941.

Hale, F. A., Jr., Manganese deposits of Clark County, Nevada: Eng. & Min. Jour. 105: 775–7, 1918.

Hewett, D. F., and Webber, B. N., Bedded deposits of manganese oxides near Las Vegas, Nevada: Univ. Nev. Bull. 35 (6): 17 pp., 1931.

Hewett, D. F., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 86 (manganese), 182 (petroleum), 1936.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 21–22, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Longwell, C. R., Geology of the Muddy Mountains, with a section through the Virgin Range to the Grand Wash Cliffs, Arizona: U. S. Geol. Survey Bull. 798: 18–19. 1928.

Rotated faults in the Desert Range, southern Nevada: Geol. Soc. Amer. Bull. 44: 93, 1933.

Geology of the Boulder reservoir floor, Arizona-Nevada: Geol. Soc. Amer. Bull. 47: 1393, 1936.

Longwell, C. R., and Dunbar, C. O., Problems of Pennsylvanian-Permian boundary in southern Nevada: A. A. P. G. Bull. 20 (9): 1198–1207, 1936. (Abst.) Geol. Soc. Amer. Proc. 1935, 89, 374–375, June, 1936.

Pardee, J. T., and Jones, E. L., Jr., Deposits of manganese ore in Nevada: U. S. Geol. Survey Bull. 710: 222–233, 1920.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful Minerals of the United States: U. S. Geol. Survey Bull. 624: 195, 1917.

Vanderburg, W. O., Reconnaissance of mining districts in Clark County, Nevada: U. S. Bur. Mines Inf. Circ. 6964: 54, 1937.

LOGAN. Cu, Ag.
(St. Thomas, Muddy Mountains)

Twenty-six miles southeast of Moapa.

Paleozoic and Mesozoic sediments capped by Tertiary volcanics.

Veins.

Gale, H. S., The Callville Wash colemanite deposit: Eng. & Min. Jour. 112: 524, 1921.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 75 (magnesite), 77 (colemanite), 78 (zeolites), 1941.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 23–24, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Longwell, C. R., Geology of the Muddy Mountains, Nevada, with a section to the Grand Wash Cliffs in western Arizona: Am. Jour. Sci. 5th ser. 1 (1): 39–62, 1921.

Geology of the Muddy Mountains, Nevada, with a section through the Virgin Range to the Grand Wash Cliffs, Arizona: U. S. Geol. Survey Bull. 798: 1928.

The Muddy Mountain thrust in fact and fiction: Science, n. s. 76: 99–100, 1932.

Muddy Mountains, Nevada, belt of thrusting restudied: Geol. Soc. Amer. Bull. 52 (12): 1920–1921, 1941.

Noble, L. F., Colemanite in Clark County, Nevada: U. S. Geol. Survey Bull. 735B: 23–39, 1922.

Nolan, T. B., Rubey, W. W., Callaghan, Eugene, and Moore, B. N., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 56 (copper, placer gold), 167 (limestone), 169 (silica), 174 (clay), 1936.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 193, 1917.

Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 136–8, 1903.

Vanderburg, W. O., Reconnaissance of mining districts in Clark County, Nevada: U. S. Bur. Mines Inf. Circ. 6964: 57, 1937.

Anonymous, Promising colemanite deposit found in Nevada: Eng. & Min. Jour. 111: 600, 1921.

LYONS (See SUNSET)

MIGUAL MARSH (See GOODSPRINGS)

MOAPA

In the northeastern part of the county, on U. P. R. R.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 85 (gypsum), 1941.

Jones, J. C., Gypsum deposits of the United States: U. S. Geol. Survey Bull. 697: 159 (Southern Nevada), 1920.

Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 38, 1932.

Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 63, 1936.

Reconnaissance of mining districts in Clark County, Nevada: U. S. Bur. Mines Inf. Circ. 6964: 56, 1937.

MUDDY MOUNTAIN (See LOGAN)

NELSON (See ELDORADO CANYON)

OVERTON

In the northeastern part of the county, on branch of U. P. R. R.

Rubey, W. W., and Callaghan, Eugene, Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 119 (magnesite and brucite), 1936.

POTOSI (See GOODSPRINGS)

RAILROAD PASS (See ALUNITE)

ST. THOMAS (See LOGAN)

SEARCHLIGHT. Au, Ag, Cu, Pb.

Fifty miles south of Las Vegas, on Highway 95.

Pre-Cambrian complex cut by quartz monzonite and capped by Tertiary volcanics.

Veins.

Callaghan, Eugene, Geology of the Searchlight mining district, Clark County, Nevada: U. S. Geol. Survey Bull. 906–D: 135–188, 1939.

Carpenter, J. A., Mineral resources of southern Nevada: Nev. State Bur. Mines Bull. 1 (1): 20, 1929.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser (36): 58 (cuprite), 70 (wulfenite), 79 (cerussite), 1941.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 202, 1912.

Horton, F. W., Molybdenum, its ores and their concentration: U. S. Bur. Mines Bull. 111: 89, 1916.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 24–26, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 56 (gold), 1936.

Ransome, F. L., Preliminary account of Goldfield, Bullfrog, and other mining districts in southern Nevada: U. S. Geol. Survey Bull. 303: 63–76, 1907.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.

Stuart, E. E., Nevada's mineral resources: 130–2, Carson City: 1909.

Vanderburg, W. O., Reconnaissance of mining districts in Clark County, Nevada: U. S. Bur. Mines Inf. Circ. 6964: 68, 1937.

Anonymous, Searchlight district, Nevada: Min. & Sci. Press: 90, 172, 1905.

SLOAN. Limestone, Dolomite, Carnotite.

On the U. P. R. R. 18 miles southeast of Las Vegas.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 80 (celestite), 1941.

Hewett, D. F., Carnotite in southern Nevada: Eng. & Min. Jour. 115: 232–5, 1923.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 27, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Moore, B. N., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 164 (limestone and dolomite), 1936.

Vanderburg, W. O., Reconnaissance of mining districts in Clark County, Nevada: U. S. Bur. Mines Inf. Circ. 6964: 78, 1937.

SUNSET. Au.
(Lyons)

Fifteen miles southeast of Jean, U. P. R. R.

Granite.

Veins.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 202, 1912.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 27–8, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 56 (gold), 1936.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.

Vanderburg, W. O., Reconnaissance of mining districts in Clark County, Nevada: U. S. Bur. Mines Inf. Circ. 6964: 80, 1937.

SUTOR. Ra.

Two miles west of Sutor, U. P. R. R.

Sandstones underlying Permian limestone.

Patches of carnotite with manganese oxide on fractures and joints.

Hewett, D. F., Carnotite in southern Nevada: Eng. & Min. Jour. 115: 232–5, 1923.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 28, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

VINCENT (See ALUNITE)

VIRGIN PEAK

Twelve miles by road and trail south-southeast of Bunkerville.

Callaghan, Eugene, Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 162 (beryl), 1936.

VIRGIN RIVER. Salt, Gypsum, Magnesite, Potash.
(St. Thomas)

Along Virgin River, south of junction with Muddy River.

Blackwelder, Eliot, Origin of the Colorado River: Geol. Soc. Amer. Bull. 45 (3): 551–566, 1934.

Browne, J. R., and Taylor, J. W., A report upon the mineral resources of the states and territories west of the Rocky Mountains: (for 1866), 96, Govt. Printing Office, Washington: 1867.

Callaghan, Eugene, Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 162 (beryl), 1936.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 84 (halite), 1941.

Jones, J. C., Gypsum deposits of the United States: U. S. Geol. Survey Bull. 697: 160 (Southern Nevada), 1920.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 28, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Longwell, C. R., Geology of the Boulder reservoir floor: Geol. Soc. Amer. Bull. 47: 1393–1476, 1936.

Mansfield, G. R., and Boardman, Leona, Nitrate deposits of the United States: U. S. Geol. Survey Bull. 838: 39, 1932.

Phalen, W. C., Salt resources of the United States: U. S. Geol. Survey Bull. 669: 146–8, 1919.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 136–8, 1903.
Vanderburg, W. O., Reconnaissance of mining districts in Clark County, Nevada: U. S. Bur. Mines Infc. Circ. 6964: 61, 1937.
White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 98–99, Carson City: 1869.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 90, Carson City: 1873.

WEST END. Borate.

In Callville Wash, 26 miles east of Las Vegas on U. P. R. R.

Callaghan, Eugene and Rubey, W. W., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 106–113 (colemanite), 1936.

WHITE BASIN. Borate.

Twenty miles by road southeast of Crystal station on U. P. R. R.

Callaghan, Eugene, and Rubey, W. W., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 106–113 (colemanite), 1936.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 77 (colemanite), 1941.

YELLOW PINE (See GOODSPRINGS)

DOUGLAS COUNTY

BUCKSKIN. Cu, Fe, Au.
(Smith Valley)

Adjoins Yerington district (Lyon County) on the west and Mount Siegel district on the northeast.
Triassic sediments cut by granite.
Contact metamorphic, veins, and placer.

Ferguson, H. G., The mining districts of Nevada: Econ. Geol. 24 (2): 115, 1929.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 41 (corundum), 1936.
Jones, J. C., Gypsum deposits of the United States: U. S. Geol. Survey Bull. 697: 154, 1920.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 33, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 38, 1932.
Stuart, E. E., Nevada's mineral resources: 112, Carson City: 1909.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 64, 1936.

EAGLE (See GARDNERVILLE)

GARDNERVILLE. Au, Cu, Ag.
(Eagle)

Fourteen miles southeast of Minden, V. & T. R. R., on west slope of Pine Nut Range.
Diorite, Tertiary volcanics and lake beds.
Veins.

Browne, J. R., and Taylor, J. W., Reports upon the mineral resources of the United States: (for 1866), 323, Washington: 1867.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 202–3, 1912.
Some mining districts in northeastern California and northwestern Nevada: U. S. Geol. Survey Bull. 594: 18, 21, 23, 25, 28, 51–64, 1915.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 33, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 120–5 (Pine Nut Range), 1903.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 18, Carson City: 1873.

GENOA. Cu, Ag, Au.

West of Genoa, on the east slope of the Sierra Nevada.
Triassic sediments intruded by Cretaceous granite.
Veins, replacements, and placers.

Browne, J. R., and Taylor, J. W., Reports upon the mineral resources of the United States: (for 1866), 323, Govt. Printing Office, Washington: 1867.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 51, 1941.
Lawson, A. C., The recent fault scarps at Genoa, Nevada: Seism. Soc. Am. Bull. 2: 193–200, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 34, 35, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 40, 1932.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 68, 1936.

HOLBROOK (See MOUNTAIN HOUSE)

MOUNT SIEGEL. Au.

Twenty miles east of Minden, V. & T. R. R.
Placers.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 35, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 41, 1932.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 68, 1936.

MOUNTAIN HOUSE. Au, Ag.
(Holbrook, Pine Nut)

In Pine Nut Range southeast of Minden on California border.
Hill, J. M., Some mining districts in northeastern California and northwestern Nevada: U. S. Geol. Survey Bull. 594: 54, 1915.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 35, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

PINE NUT (See MOUNTAIN HOUSE)

RED CANYON. Au, Ag, Pb.
(Silver Lake)

Eighteen miles southeast of Minden, V. & T. R. R., on the east slope of Pine Nut Range and west of Smith Valley.
Triassic sediments cut by quartz monzonite.
Veins, contact metamorphic deposits.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 203, 1912.
Some mining districts in northeastern California and northwestern Nevada: U. S. Geol. Survey Bull. 594: 51–64, 1915.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 36, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 120–125, 1903.
Stuart, E. E., Nevada's mineral resources: 111–12, Carson City: 1909.

SILVER GLANCE (See WELLINGTON)

SILVER LAKE (See RED CANYON)

SMITH VALLEY (See BUCKSKIN)

WELLINGTON. Au, Ag, Cu.
(Silver Glance)

Thirty miles south-southeast of Minden, V. & T. R. R., in southeast part Pine Nut Range.
Quartz monzonite, probably Cretaceous, and Triassic sediments.
Veins.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 203, 1912.
Some mining districts in northeastern California and northwestern Nevada: U. S. Geol. Survey Bull. 594: 51–64, 1915.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 37, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 193, 1917.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 120–5 (Pine Nut Range), 1903.

ELKO COUNTY

GENERAL

Lee, W. T., Stone, R. W., Gale, H. S., and others, Guidebook of the western United States, Part B, The Overland Route: U. S. Geol. Survey Bull. 612: 156–167, 1915.

Sharp, R. P., The Miocene Humboldt formation in northeastern Nevada: Jour. Geol. 47 (2): 133, 160, 1939.

ALDER. Au.
(Tennessee Gulch)

Eight miles north of Gold Creek.

Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 41, 1932.

Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 71, 1941.

ALLEGHENY (See FERGUSON SPRING)

AURA. Au, Ag, Pb, Zn.
(Bull Run, Columbia)

On the east slope of Bull Run (Centennial) Range, 95 miles north-northwest of Elko, S. P. R. R., W. P. R. R.

Paleozoic sediments cut by granodiorite.

Veins and placer deposits.

Emmons, W. H., A reconnaissance of some mining camps in Elko, Lander, and Eureka counties, Nevada: U. S. Geol. Survey Bull. 408: 67–74, 1910.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 60 (pyromorphite), 1941.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 203, 1912.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 37–8, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1870), 144, 147–9, Govt. Printing Office, Washington: 1871.

Mining industry of states and territories west of the Rocky Mountains: (for 1872), 158, Govt. Printing Office, Washington: 1873.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 190, 192–4, 197–9, 1917.

Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 42, 1932.

Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 71, 1936.

White, A. F., Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 61–2, Carson City: 1871.

Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 22–3, Carson City: 1873.

Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 29, Carson City: 1875.

Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 19–20, Carson City: 1877.

BUELL (See LUCIN)

BULL RUN (See AURA)

BULLION (See RAILROAD)

BURNER. Pb, Ag.

In the Burner Hills ten miles west of Good Hope.

Emmons, W. H., A reconnaissance of some mining camps in Elko, Lander, and Eureka counties, Nevada: U. S. Geol. Survey Bull. 408: 44, 66–7, 1910.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 38, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

BUTTE VALLEY (See MUD SPRINGS)

CARLIN. Oil Shale, Diatomite, Coal, Au, Ag.

Station S. P. R. R., W. P. R. R.

Paleozoic sediments cut and capped by Tertiary volcanics.

Veins, replacement deposits.

Alderson, V. C., The oil shale industry: 32, 40, New York: 1920.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 38–9, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.

Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 29–30 (coal), Carson City: 1873.

CENTENNIAL (See AURA and EDGEMONT)

CHARLESTON. Au, Cu, Ag, Pb, Sb.
(Copper Mountain, Cornwall)

Ninety-five miles north-northeast of Elko, and 50 miles north-northwest of Deeth, S. P. R. R., W. P. R. R.

Paleozoic sediments cut by granite.

Contact metamorphic deposits and placers.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 71 (rhodonite), 85 (soda niter), 1941.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 594: 204, 1915.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 39–40, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Schrader, F. C., A reconnaissance of the Jarbidge, Contact, and Elk Mountain districts, Elko County, Nevada: U. S. Geol. Survey Bull. 497: 47–8, 1912.

The Jarbidge mining district, Nevada, with a note on the Charleston district: U. S. Geol. Survey Bull. 741: 78–83, 1923.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.

Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 42, 1932.

Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 71, 1936.

COLUMBIA (See AURA)

CONTACT. Cu, Ag, Au.
(Kit Carson, Porter, Salmon River)

On Highway 93 and U. P. R. R., 50 miles north of Wells.
Paleozoic sediments cut by granite.
Contact metamorphic, veins, replacement deposits.

Baily, J. T., The ore deposits of Contact, Nevada: Eng. & Min. Jour. 76: 612–3, 1903.

Gianella, V. P., Barite deposits of northern Nevada: A. I. M. E. Min. Tech. 4 (4): 298, A. I. M. E. Tech. Pub. 1200, July, 1940.

Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 75 (tremolite), 1941.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 204, 1912.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 40–41, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Purington, C. W., The Contact, Nevada, quaquaversal: Colo. Sci. S., Proc.: 7: 127–138, 1903. (Abst.) Eng. & Min. Jour. 76: 426–7, 1903.

Schrader, F. C., A reconnaissance of the Jarbidge, Contact, and Elk Mountain mining districts, Elko County, Nevada: U. S. Geol. Survey Bull. 497: 99–150, 1912.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 193, 1917.

Schrader, F. C., The Contact mining district, Nevada: U. S. Geol. Survey Bull. 847-A: 1–41, 1935.

Stuart, E. E., Nevada's mineral resources: 114–15, Carson City: 1909.

COPE (See MOUNTAIN CITY)

COPPER MOUNTAIN (See CHARLESTON)

CORNUCOPIA. Au, Ag.

Sixty-five miles north-northwest of Elko, S. P. R. R., W. P. R. R.
Tertiary volcanics.
Veins.

Emmons, W. H., A reconnaissance of some mining camps in Elko, Lander, and Eureka counties, Nevada: U. S. Geol. Survey Bull. 408: 44, 62–5, 1910.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 204, 1912.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 41–2, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1873), 222, Govt. Printing Office, Washington: 1874.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 266, Govt. Printing Office, Washington: 1875.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 467, Govt. Printing Office, Washington: 1876.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.

Stuart, E. E., Nevada's mineral resources: 114, Carson City: 1909.

Whitehill, H. R., Biennial Report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 33–4, Carson City: 1875.

Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 20–22, Carson City: 1877.

Biennial report of the state mineralogist of the State of Nevada for the years 1877 and 1878: 21–2, San Francisco: 1879.

CORNWALL (See CHARLESTON)

DECOY. Mn.

In the Toano Range, 20 miles west of Wendover.
Carboniferous limestone.
Replacements.

Pardee, J. T., and Jones, E. L., Jr., Deposits of manganese ore in Nevada: U. S. Geol. Survey Bull. 710-F: 241, 1920.

DEETH

Gianella, V. P., Barite deposits of northern Nevada: A. I. M. E. Min. Tech. 4 (4): 298, A. I. M. E. Tech. Pub. 1200, 1940.

DELANO. Au, Ag, Pb.
(Delno)

Thirty-five miles north of Montello, S. P. R. R.

Hunt, S. F., Mining geology outlined: 9 (Mackay School of Mines reprint from Salt Lake Mining Review): 1936.

DELKER. Cu.

Twenty-five miles northeast of Currie.
Limestones and quartzites; quartz monzonite.
Veins, contact metamorphic deposits.

Hill, J. M., Notes on mining districts in eastern Nevada: U. S. Geol. Survey Bull. 648: 28, 35, 37, 67–70, 1916.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 42, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

DELNO (See DELANO)

DOLLY VARDEN. Cu, Pb, Ag, Au.
(Mizpah, Granite Mountain)

Sixteen miles northeast of Currie.
Carboniferous shale and limestone intruded by quartz monzonite.
Veins, contact metamorphic deposits.

Emmons, S. F., Report of the geological exploration of the fortieth parallel: 2: 476–483, Govt. Printing Office, Washington: 1877.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 204, 1912.

Notes on mining districts in eastern Nevada: U. S. Geol. Survey Bull. 648: 26, 28, 30, 32, 37, 38, 39, 40, 41, 76–88, 1916.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 42–3, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 193, 200, 1917.

Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 30, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 24, Carson City: 1877.

EDGEMONT. Au, Ag, Pb.
(Centennial)

On the west slope of the Bull Run (Centennial) Range, 92 miles north-northwest of Elko, S. P. R. R., W. P. R. R.
Paleozoic sediments.
Veins.
Emmons, W. H., A reconnaissance of some mining camps in Elko, Lander, and Eureka counties, Nevada: U. S. Geol. Survey Bull. 408: 43, 67, 70, 75–80, 1910.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 203–4, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 43, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.
Stuart, E. E., Nevada's mineral resources: 117, Carson City: 1909.
Schrader, F. C., A reconnaissance of the Jarbidge, Contact, and Elk Mountain mining districts, Elko County, Nevada: U. S. Geol. Survey Bull. 497: 157, 1912.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 193, 1917.

ELKO. Oil Shale, Lignite, Granite.

Near Elko on S. P. R. R. and W. P. R. R.
Alderson, V. C., The oil shale industry: 31–2, 41, 42–4, New York: 1920.
Winchester, D. E., Oil shale of the Rocky Mountain region: U. S. Geol. Survey Bull. 729: 91–102, 1923.

FALCON (See ROCK CREEK)

FERBER. Cu, Pb, Au, Ag.

In foothills three miles east of Toana Range, 48 miles south of Wendover, Utah, W. P. R. R.
Limestones cut by quartz monzonite.
Veins, contact and metamorphic deposits.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 51 (bornite), 1941.
Hill, J. M., Notes on some mining districts in eastern Nevada: U. S. Geol. Survey Bull. 648: 28, 30–1, 32, 34, 35, 95–6, 98–102, 1916.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 44–5, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Rohlfing, D. P., Ore deposits of the Deep Creek Range: Salt Lake Mining Review: March 30, 1924.

FERGUSON SPRING. Cu, Pb.
(Allegheny)

On the west side of Goshute Range at Don-Don Pass, 30 miles south-southwest of Wendover.
Paleozoic limestones.
Replacements.
Hill, J. M., Notes on some mining districts in eastern Nevada. U. S. Geol. Bull. 648: 34, 39, 96–98, 1916.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 45, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

GOLD BASIN. Cu, Au.
(Rowland)

Ninety miles north of Elko, S. P. R. R., W. P. R. R.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 43, 1932.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 72, 1936.

GOLD CIRCLE. Au, Ag, Hg.
(Midas, Summit)

Forty-eight miles east-northeast of Golconda, S. P. R. R.
Tertiary volcanics.
Veins, replacements.
Emmons, W. H., A reconnaissance of some mining camps in Elko, Lander, and Eureka counties, Nevada: U. S. Geol. Survey Bull. 408: 48–57, 70, 1910.
Ferguson, H. G., The mining districts of Nevada: Econ. Geol. 24 (2): 115, 1929.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 204, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 45–46, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Rott, E. H., Jr., Ore deposits of the Gold Circle mining district, Elko County, Nevada: Univ. Nev. Bull. 25 (5): 1931.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 191, 194, 1917.
Stuart, E. E., Nevada's mineral resources: 115–17, Carson City: 1909.

GOLD CREEK (See ISLAND MOUNTAIN)

GOOD HOPE. Au, Ag.

On Chino Creek, 55 miles northwest of Elko, S. P. R. R., W. P. R. R.
Tertiary volcanics.
Veins.
Emmons, W. H., A reconnaissance of some mining camps in Elko, Lander, and Eureka counties, Nevada: U. S. Geol. Survey Bull. 408: 65–6, 1910.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 204, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 46–7, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 193, 194, 199, 1917.

GRANITE (See DOLLY VARDEN)

ISLAND MOUNTAIN. Au, Ag.
(Gold Creek)

Seventy-five miles north of Elko, S. P. R. R., W. P. R. R.
Veins and placer deposits.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 47, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 44, 1932.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 73, 1936.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 27–8, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 22–3, Carson City: 1877.

IVANHOE. Hg.

Sixty miles northeast of Golconda, S. P. R. R., W. P. R. R.
Rhyolite flow breccia, and pyroclastics.
Veins.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 47, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

JARBIDGE. Au, Ag.

Seventy-four miles north of Elko, S. P. R. R., W. P. R. R.
Paleozoic sediments and Tertiary volcanics.
Veins.

Buckley, E. R., Geology of the Jarbidge mining district, Nevada: Min. & Eng. World 45: 1209–1212, 1911.
Butler, B. S., Potash in certain copper and gold ores: U. S. Geol. Survey Bull. 620-J: 235, 1915.
Ferguson, H. G., The mining districts of Nevada: Econ. Geol. 24 (2): 115, 1929.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 205, 1915.
Hunt, S. F., Mining geology outlined: 8 (Mackay School of Mines reprint from Salt Lake Mining Review), 1936.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 48–50, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., A reconnaissance of the Jarbidge, Contact, Elk Mountain mining districts, Elko County, Nevada: U. S. Geol. Survey Bull. 497: 11–98, 1912. (Abst.), Wash. Acad. Sci. Jour. 2: 430–440, 1912.
The Jarbidge mining district, Nevada, with a note on the Charleston district: U. S. Geol. Survey Bull. 741: 86, 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.
Scott, W. A., Jarbidge, Nevada, Min. & Sci. Press 100: 613–5, 1910.
Sweetser, N. W., Geology of the Jarbidge mining district, Nevada: Min. & Sci. Press 101: 871–2, 1910.

KINSLEY. Ag, Cu, Pb.

On the east slope of the Antelope Range, 28 miles southeast of Currie.
Quartz monzonite porphyry intruding Cambrian limestones.
Contact metamorphic, veins.

Browne, J. R., Reports on the mineral resources of the United States (for 1867): 411–12, Govt. Printing Office, Washington: 1868.
Hill, J. M., Some mining districts in northeastern California and northwestern Nevada: U. S. Geol. Survey Bull. 594: 25, 28, 35, 37, 39, 40, 88–95, 1915.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 50, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Stretch, R. H., Nevada state mineralogist's report for 1866: 103, Carson City: 1867.
White, A. F., Report of the mineralogist of the State of Nevada for the years 1869 and 1870; 63, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 31, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 25, Carson City: 1877.

KIT CARSON (See CONTACT)

LAFAYETTE. Pb, Ag.

Four miles north of Tobar, W. P. R. R.

LEE. Cu.

On the west slope of the Ruby Mountains, 30 miles south of Elko, S. P. R. R., W. P. R. R.

LEROY (See LORAY)

LIME MOUNTAIN. Cu, Au, Ag.
(Deep Creek)

Near Bull Run Mountain, 80 miles north of Elko, S. P. R. R., W. P. R. R.
Paleozoic limestone intruded by quartz porphyry, andesite and diabase.
Contact metamorphic deposits.

Emmons, W. H., A reconnaissance of some mining camps in Elko, Lander, and Eureka counties, Nevada: U. S. Geol. Survey Bull. 408: 41, 70–1, 1910.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 51, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

LONE MOUNTAIN (See MERRIMAC)

LORAY. Cu, Ag, Pb, Fe.
(Luray, Leroy)

On the north end of the Toana Range, five miles southeast of Loray siding, S. P. R. R.
Crystalline limestone.
Veins.

Hill, J. M., Notes on mining districts in eastern Nevada: U. S. Geol. Survey Bull. 648: 40, 96–98, 1916.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 50–51, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

LUCIN. Cu, Ag, Pb.
(Buell)

In the Pilot Range six miles southeast of Tecoma station on the S. P. R. R.
Carboniferous sediments intruded by quartz monzonite. Tertiary lavas.
Replacement deposits.

Hague, Arnold, and Emmons, S. F., Geological exploration of the 40th parallel: 2, 496, 1877.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. Ser. (36): 70 (wulfenite), 1941.
Lee, W. T., Stone, R. W., Gale, H. S., and others, Guidebook of the western United States, Part B, The Overland Route, with a side trip to Yellowstone Park: U. S. Geol. Survey Bull. 612: 158–9, 1915.

MERRIMAC. Pb, Ag, Cu, Au.
(Lone Mountain)

In the vicinity of Lone Mountain, 28 miles by road northwest of Elko, S. P. R. R., W. P. R. R.
Carboniferous limestone intruded by quartz monzonite and quartz monzonite porphyry.
Contact metamorphic deposits.

Emmons, W. H., A reconnaissance of some mining camps in Elko, Lander, and Eureka counties, Nevada: U. S. Geol. Survey Bull. 408: 84–6, 1910.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 51, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1871), 219–20, Govt. Printing Office, Washington: 1872.
Mining industry of states and territories of the Rocky Mountains: (for 1872), 158, Govt. Printing Office, Washington: 1873.
White, A. F., Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 58, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 25, Carson City: 1877.

MIDAS (See GOLD CIRCLE)

MIZPAH (See DOLLY VARDEN)

MOUNTAIN CITY. Cu, Au, Ag, Pb, Zn.
(Cope, Rio Tinto, Van Duzer)

In northwest portion of the Bull Run Range, ninety miles north of Elko, S. P. R. R., W. P. R. R.
Paleozoic sediments cut by granodiorite and capped by Tertiary volcanics.
Veins, placers.

Crawford, A. L., and Forbes, D. C., The Rio Tinto copper discovery near Mountain City, Nevada: (Abst.), Utah, Acad. Sci. Proc. 9: 51–2, 1932.
Microscopic characteristics of the Rio Tinto, Nevada, copper deposits: Mines Mag. (Colo. Sch. Mines), 22 (8): 7–9, 1932.
Emmons, W. H., A reconnaissance of some mining camps in Elko, Lander, and Eureka counties, Nevada: U. S. Geol. Survey Bull. 408: 15, 26, 28, 30, 42, 43, 67, 70, 80–84, 1910.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 205, 1912.
Hunt, S. F., Mining geology outlined: 8, (Mackay School of Mines reprint from Salt Lake Mining Review), 1936.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 52, 58–9, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1869), 186–7, Govt. Printing Office, Washington: 1870.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1870), 144–5, Govt. Printing Office, Washington: 1871.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1871), 219, Govt. Printing Office, Washington: 1872.
Mining industry of states and territories of the Rocky Mountains: (for 1872), 138, Govt. Printing Office, Washington: 1873.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 191–2, 194, 197–8, 1917.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 44, 1932.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 74, 1936.
White, A. F., Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 59–61, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 23–4, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 31, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 24–5, Carson City: 1877.

MUD SPRINGS. Pb, Zn, Ag, Barite.
(Medicine Springs)

Forty miles west-southwest of Currie, end Ruby Hills.
Permian limestones, shales, and quartzites.
Replacements.

Hill, J. M., Notes on some mining districts in eastern Nevada: U. S. Geol. Survey Bull. 648: 28, 34, 39, 42, 64–6, 1916.
Hunt, S. F., Mining geology outlined: 8 (Mackay School of Mines reprint from Salt Lake Mining Review), 1936.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 52–3, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

PORTER (See CONTACT)

PROCTOR. Ag.

Station on W. P. R. R.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 53, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

RAILROAD. Ag, Au, Cu, Pb, Zn.
(Bullion)

Twenty-seven miles south-southwest of Elko, 12 miles southeast of Palisade, S. P. R. R., W. P. R. R.
Ordovician limestone cut by granodiorite and quartz porphyry.
Replacements, contact metamorphic, veins.

Emmons, W. H., A reconnaissance of some mining camps in Elko, Lander, and Eureka counties, Nevada: U. S. Geol. Survey Bull. 408: 15, 25, 28, 29, 41, 88–95, 1910.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 203, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 53–54, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1869), 186, Govt. Printing Office, Washington: 1870.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1870), 152, Govt. Printing Office, Washington: 1871.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1871), 220–23, Govt. Printing Office, Washington: 1872.
Mining industry of states and territories of the Rocky Mountains: (for 1872), 158–60, Govt. Printing Office, Washington: 1873.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1873), 219–222, Govt. Printing Office, Washington: 1874.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 265–6, 420–24, Govt. Printing Office, Washington: 1875.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 192–193, 195, 196, 198, 1917.
White, A. F., Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 57–8, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 28–30, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 34, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 22, Carson City: 1877.
Biennial report of the state mineralogist of the State of Nevada for the years 1877 and 1878: 22, Carson City: 1879.

RIO TINTO (See MOUNTAIN CITY)

ROCK CREEK. Ag.
(Falcon)

In the Tuscarora Mountains, twelve miles west of Tuscarora.
Tertiary andesite.
Veins.

Emmons, W. H., A reconnaissance of some mining camps in Elko, Lander, and Eureka counties, Nevada: U. S. Geol. Survey Bull. 408: 44, 62, 1910.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 54, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 26, Carson City, Nevada.

ROWLAND (See GOLD BASIN)

RUBY RANGE. Pb, Zn, Ag, Au, Cu, W.
(Ruby Mountain Range, Valley View)

Fifteen miles west of Tobar on W. P. R. R.
Granitic rocks, Paleozoic sediments.
Replacements, contact metamorphic deposits.

Hess, F. L., and Larsen, E. S., Contact-metamorphic tungsten deposits of the United States: U. S. Geol. Survey Bull. 725: 245–309, 1932.
Hill, J. M., Notes on mining districts in eastern Nevada: U. S. Geol. Survey Bull. 648: 25, 27, 30, 31–32, 35, 54–63, 154, 1916.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 191, 1917.

RUBY VALLEY. Pb, Ag, Zn.
(Smith Creek)

On the east slope of the Ruby Range, 45 miles southwest of Tobar, and 35 miles south of Halleck, S. P. R. R.
Paleozoic limestones intruded by biotite-granite.
Lenses.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 45 (beryl), 1941.
Hill, J. M., Notes on mining districts in eastern Nevada: U. S. Geol. Survey Bull. 648: 35, 41, 42, 54–9, 60–2, 1916.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 54–55, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 191, 193, 195, 197, 1917.
Sharp, R. P., The Miocene Humboldt formation in northeastern Nevada: Jour. Geol. 47 (2): 133–160, 1939.
Basin Range structure of the Ruby-East Humboldt range, northeastern Nevada: Geol. Soc. Amer. Bull. 50 (6): 881, 1939.
Geomorphology of the Ruby-East Humboldt range, Nevada: Geol. Soc. Amer. Bull. 51 (3): 337–371, 1940.

SALMON RIVER (See CONTACT)

SMITH CREEK (See RUBY VALLEY)

SPRUCE MOUNTAIN. Pb, Cu, Ag, Au, Mn.

Fifty miles south of Wells on the S. P. R. R. and 15 miles south of Jasper, W. P. R. R.
Paleozoic sediments cut by rhyolite.
Replacement deposits.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 205, 1912.
Notes on mining districts in eastern Nevada: U. S. Geol. Survey Bull. 648: 26, 29, 30, 34, 35, 39, 40, 41, 42, 67–76, 1916.
Hunt, S. F., Mining geology outlined: 10 (Mackay School of Mines reprint from Salt Lake Mining Review), 1936.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 55–57, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Pardee, J. T., and Jones, E. L., Jr., Deposits of manganese ore in Nevada: U. S. Geol. Survey Bull. 710F: 221–2, 1920.

Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1870), 152, Govt. Printing Office, Washington: 1871.
Mining industry of states and territories of the Rocky Moutnains: (for 1872), 158, 160–2, Govt. Printing Office, Washington: 1873.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1873), 217, 222, Govt. Printing Office, Washington: 1874.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 226, Govt. Printing Office, Washington: 1875.
Schrader, F. C., Spruce Mountain district, Elko County, and Cherry Creek (Egan Canyon) district, White Pine County, Nevada: Univ. Nev. Bull. 25 (7): 39, 1931.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 195, 1917.
Stuart, E. E., Nevada's mineral resources: 114, Carson City: 1909.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 24–6, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 30, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 26–7, Carson City: 1877.

SUMMIT (See GOLD CIRCLE)

TECOMA. Pb, Ag, Cu, Au.

Near the Utah border, 10 miles north-northeast of Tecoma, S. P. R. R.
Limestone, overlain and underlain by quartzite.
Replacement deposits.

Hill, J. M., Notes on mining districts in eastern Nevada: U. S. Geol. Survey Bull. 648: 26, 29, 34, 39, 41, 102–3, 1916.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 57, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 195, 1917.

TENNESSEE GULCH (See ALDER)

TUSCARORA. Au, Ag.

Fifty miles northwest of Elko, S. P. R. R., W. P. R. R.
Tertiary volcanics.
Veins, placers.

Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 429–30, Govt. Printing Office, Washington: 1868.
Emmons, W. H., A reconnaissance of some mining camps in Elko, Lander, and Eureka counties, Nevada: U. S. Geol. Survey Bull. 408: 14–15, 25, 28, 44–5, 57–62, 1910.
Ferguson, H. G., The mining districts of Nevada: Econ. Geol. 24 (2): 115, 1929.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 205, 1912.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 57–8, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Nolan, T. B., The Tuscarora mining district, Elko County, Nevada: Univ. Nev. Bull. 30 (1): 36, 1936. (Abst.) Econ. Geol. 31 (5): 535, 1936.
Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 189, Govt. Printing Office, Washington: 1876.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 190–1, 193–4, 197, 1917.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 47, 1932.
Stuart, E. E., Nevada's mineral resources: 32, 113–14, Carson City: 1909.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 76, 1936.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 24, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 17–19, Carson City: 1877.
Biennial report of the state mineralogist of the State of Nevada for the years 1877 and 1878: 17–21, Carson City: 1879.

VAN DUZER (See MOUNTAIN CITY)

WARM CREEK. Zn, Pb.

On southeast side of Warm Creek Ridge, east of Clover Valley and 25 miles southeast of Halleck, S. P. R. R.
Fossiliferous limestone and shale of probable Permian age.
Replacement deposits.

Hill, J. M., Notes on mining districts in eastern Nevada: U. S. Geol. Survey Bull. 648: 35, 42, 54–9, 60, 1916.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 59, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

WHITE HORSE. Cu, Pb.

On the southwest flank of Mount Pisgah, 45 miles east of Currie, by Highways 93 and 50.
Quartz monzonite stock.
Veins.

Hill, J. M., Notes on mining districts in eastern Nevada: U. S. Geol. Survey Bull. 648: 28, 57, 95–6, 98, 1916.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 59, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

ESMERALDA COUNTY

GENERAL

Muller, S. W., and Ferguson, H. G., Triassic and lower Jurassic formations of west central Nevada: Geol. Soc. Am. Bull. 47 (10): 241, 1936.

ALIDA VALLEY (See LIDA)

ALPINE. Au.

Near Lone Mountain, west of Tonopah.
Paleozoic limestone and slate cut by granite.
Veins, replacements.
Spurr, J. E., Ore deposits of the Silver Peak Quadrangle, Nevada: U. S. Geol. Survey Prof. Paper 55: 81–83, 1906.

ALUM. Potash, Sulphur. (Blair)

Ten miles south of Blair Junction.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. 36: 53 (molybdenite), 1941.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 59, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Moore, B. N., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 147 (alum), 1936.
Spurr, J. E., Ore deposits of the Silver Peak quadrangle, Nevada: U. S. Geol. Survey Prof. Paper 55: 157–8, 1906.
White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 96, Carson City: 1869.
Young, G. J., Potash salts and other salines in the Great Basin region: U. S. Dept. Agr. Bull. 61: 34, 1914.

ARGENTITE. Ag.

Forty miles south of Blair Junction, T. & G. R. R., and 24 miles west of Silver Peak.
Rhyolite and limestone.
Veins.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 60, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

BLAIR (See ALUM)

BONNIE CLARE (See TOKOP)

CASTLE ROCK. Au, Ag, Hg.

Eight miles north of Blair Junction, about 35 miles west of Tonopah, T. & G. R. R.

COALDALE. Coal, Variscite, Turquoise.

Station on T. & G. R. R., in Monte Cristo Range.
Tertiary volcanics and interbedded sediments.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 63 (copiapite), 69 (melanterite), 1941.
Hance, J. H., The Coaldale coal field, Esmeralda County, Nevada: U. S. Geol. Survey Bull. 531: 313–322, 1913.

Hewett, D. F., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 181 (coal), 1936.
Knapp, S. A., The coal fields of Esmeralda County, Nevada: Min. & Sci. Press 74: 133, 1897.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 60–61, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Spurr, J. E., Coal deposits between Silver Peak and Candelaria, Esmeralda County, Nevada: U. S. Geol. Survey Bull. 225: 289–292, 1904.
Ore deposits of the Silver Peak quadrangle, Nevada: U. S. Geol. Survey Prof. Paper 55: 165–8, 1906.
Stoneham, W. J., A Nevada coalfield: Eng. & Min. Jour. 77: 1009, 1904.

COLUMBUS MARSH. Borax, Salt, Potash.

West of Coaldale on U. S. 6 and Nevada 15.
Carpenter, J. A., An investigation as to the presence of commercial quantities of mercury and gold in the dry lakes of Nevada: Univ. Nev. Bull. 35 (4), Geol. and Min. ser. (35): 6, 12, 1941.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 84 (halite), 87 (ulexite), 1941.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 62, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

CROW SPRINGS. Ag, Pb, Cu, Au, Diatomaceous Earth, Turquoise.

In the Monte Cristo Range eleven miles northwest of Millers, T. & G. R. R.
Tertiary volcanics.
Veins.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 55 (turquoise), 1941.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 62–63, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

CUPRITE. Au, Ag, Cu, Pb, Hg, Sulphur, Silica.

Fourteen miles south of Goldfield, T. & G. R. R.
Cambrian sediments cut by dikes of diorite and Tertiary volcanics.
Veins, replacements.
Ball, S. H., Notes on the ore deposits of southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 285: 53–73, 1906.
A geologic reconnaissance in southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 308: 46, 69–71, 1907.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 58 (cuprite), 63 (sulphur), 81 (alunite), 1941.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 206, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 63–64, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Nolan, T. B., and Moore, B. N., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 57 (copper, lead, zinc, silver, gold), 148 (sulphur), 174 (china clay), 1936.
Ransome, F. L., The geology and ore deposits of Goldfield, Nevada: U. S. Geol. Survey Prof. Paper 66: 109–110, 1909.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 191, 192, 194, 195, 196, 1917.

DESERT (See GILBERT)

DIVIDE. Ag, Au, Pb.
(Gold Mountain)

Seven miles south of Tonopah, T. & G. R. R.
Tertiary volcanics.
Veins.

Ball, S. H., A geologic reconnaissance in southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 308: 82, 1907.
Carpenter, J. A., The Divide district: Eng. & Min. Jour. 107: 859–861, 1919.
Ferguson, H. G., The mining districts of Nevada: Econ. Geol. 24 (2): 115, 1929.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 56 (cerargyrite), 80 (powellite), 1941.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 207, 1912.
Knopf, Adolph, The Divide silver district, Nevada: U. S. Geol. Survey Bull. 715: 147–170, 1921.
Lincoln, F. C., The Divide mining district, its history, its geology, its mines: Nev. Newsletter 11: No. 20, 14–17, 44, 1919.
Mining districts and mineral resources of Nevada: 64–66, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 57 (silver, gold), 1936.
Sizer, F. L., The Divide district: Min. & Sci. Press 118: 631–3, 1919.
Spurr, J. E., Ore deposits of Tonopah and neighboring districts, Nevada: U. S. Geol. Survey Bull. 213: 87, 1903.
Geology of the Tonopah mining district: U. S. Geol. Survey Prof. Paper 42: 99, 1905.
Genetic relations of western Nevada ores: A. I. M. E. Trans. 36: 381, 1906.
Young, G. J., Divide silver-gold district of Nevada: Eng. & Min. Jour. 109: 62–6, 1920.
Anonymous, The geology of the Divide district: Min. & Sci. Press Editorial: 118, 622, 1919.

DYER. Au, Ag, Pb.

Twenty-eight miles south of Coaldale, T. & G. R. R.
Paleozoic sediments cut by granite.
Veins.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 206, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 66, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.
Spurr, J. E., Ore deposits of Silver Peak quadrangle, Nevada: U. S. Geol. Survey Bull. 225: 115, 1904.
Ore deposits of the Silver Peak quadrangle, Nevada: U. S. Geol. Survey Prof. Paper 55: 84–5, 1906.

FESLER (See PALMETTO)

FISH LAKE MARSH (See FISH LAKE VALLEY)

FISH LAKE VALLEY. Hg, Salines.
(Fish Lake Marsh)

Seventy-two miles southwest of Tonopah, T. & G. R. R.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 86 (borax), 87 (ulexite), 1941.
Hanks, H. G., Report on the borax deposits of California and Nevada: Cal. S. M. Bur. 3d Ann. Rept. II: 53, 55, 1883.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 66–67, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Mansfield, G. E., and Boardman, Leona, Nitrate deposits of the United States: U. S. Geol. Survey Bull. 838: 40, 1932.
Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 458, Govt. Printing Office, Washington: 1876.
Schuette, C. N., Occurrence of quicksilver ore bodies: A. I. M. E. Tech. Pub. 335: 43–44, July, 1931. (B. & B. quicksilver mine.)
Spurr, J. E., Ore deposits of the Silver Peak quadrangle, Nevada: U. S. Geol. Survey Prof. Paper 55: 158–161, 1906.
White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 95 (salt), Carson City: 1869.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 24–5, Carson City: 1875.
Young, G. J., Potash salts and other salines in the Great Basin region: U. S. Dept. Agr. Bull. 61: 39, 42, 1914.

GILBERT. Au, Ag, Cu, Pb.
(Desert)

Twenty-five miles west of Tonopah, T. & G. R. R.
Paleozoic sediments and Tertiary volcanics.
Veins.

Ferguson, H. G., The Gilbert district, Nevada: U. S. Geol. Survey Bull. 795: 125–145, 1928.
The mining districts of Nevada: Econ. Geol. 24 (2): 115, 1929.

GOLDFIELD. Au, Ag, Cu, Pb, Mn, Zn.

Station, T. & G. R. R.
Tertiary volcanics underlain by Cambrian sediments cut by granite.
Veins, replacements.

Ball, S. H., A geologic reconnaissance in southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 308: 28, 32–4, 71–6, 107, 1907.
Barnes, Corrin, and Byler, E. A., Relation of faulting and mineralization in Goldfield, Nevada: Min. & Sci. Press 107: 59–60, 1913.
Becker, Arnold, Depth of Goldfield: (Discussion), Min. & Sci. Press 96: 62, 1908.
Geological possibilities at Goldfield: Min. & Sci. Press 96: 846, 1908.
Butler, B. S., Potash in certain copper and gold ores: U. S. Geol. Survey Bull. 620: 233, 1915.
Collins, E. A., The Combination mine, early development and geologic structure: Min. & Sci. Press 95: 397–9, 1907.
Dominian, Leon, Geology of Goldfield, Nevada: Ores and Metals 13 (20): 25, 1904.

The Goldfield district, Nevada: Eng. & Min. Jour. 78: 581–2, 1915.
Ferguson, H. G., The mining districts of Nevada: Econ. Geol. 24 (2): 115, 1929.
Gage, R. B., Determination of alunite: Eng. & Min. Jour. 87: 1121–4, 1909; (Discussion), G. Surr, Eng. & Min. Jour. 88: 31, 1909; C. B., 88, 743, 1909.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 52 (marcasite), 60 (native gold), 62 (jarosite), 69 (melanterite), 81 (alunite), 1941.
Hastings, J. B., The geology of Goldfield, Nevada: Eng. & Min. Jour. 81: 843–4, 1906.
Hastings, J. B., and Berkey, C. P., The geology and petrography of the Goldfield mining district, Nevada: A. I. M. E. Trans. 37: 140–159, 1907.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 206–7, 1912.
Hill, R. T., The Goldfield, Nevada, type of ore occurrence: Eng. & Min. Jour. 86: 1096–9, 1908; (Discussion), F. L. Ransome, Alunitization: Eng. & Min. Jour. 87: 177, 1909.
Knopf, Adolph, Some cinnabar deposits in western Nevada: U. S. Geol. Survey Bull. 620: 65, 1915.
Lewis, J. V., Prospecting for ores of the Goldfield type: Eng. & Min. Jour. 87: 1121–2, 1909.
Lincoln, F. C., Certain natural associations of gold: Econ. Geol. 6: 296–99, 1911.
Mining districts and mineral resources of Nevada: 67–73, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Locke, Augustus, The ore deposits of Goldfield, Nevada: Eng. & Min. Jour. 94: 797–802, 843–849, 1912.
Nolan, T. B., and Callaghan, Eugene, Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 58 (gold-silver), 145 (alunite), 1936.
Pardee, J. T., and Jones, E. L., Jr., Deposits of manganese ore in Nevada: U. S. Geol. Survey Bull. 710: 233, 1920.
Ransome, F. L., Preliminary account of Goldfield, Bullfrog, and other mining districts in southern Nevada: U. S. Geol. Survey Bull. 303: 7–9, 1907; (Abst.), Min. & Sci. Press 94: 436–9, 1907.
The association of alunite with gold in the Goldfield district, Nevada: Econ. Geol. 2: 667–692, 1907: (Abst.), Science, n. s. 27: 189, 1908; (Discussion), F. C. Lincoln, Econ. Geol. 2: 801–3, 1907.
The geology and ore deposits of Goldfield, Nevada: U. S. Geol. Survey Prof. Paper 66: 1909; (Abst.), Eng. & Min. Jour. 88: 1162, 1909.
Geology and ore deposits of the Goldfield district, Nevada: Econ. Geol. 5: 301–311, 438–470, 1910.
Wurtzite at Goldfield, Nevada: Wash. Acad. Sci. Jour. 4: 482–5, 1914.
Rickard, T. A., Goldfield, Nevada: Min. & Sci. Press 96: 738–42, 1908.
Schaller, W. T., Bismoclite from Goldfield, Nevada: Am. Miner. 26 (11): 651–654, 1941.
Schmitt, Harrison, Outcrops of ore shoots: Econ. Geol. 34 (6): 663, 1939.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 190–191, 192, 193–194, 195, 196, 197, 198, 199, 200, 1917.

Shannon, E. V., Famatinite from Goldfield, Nevada: Am. Jour. Sci. 4th ser. 44: 469–470, 1917.
Sharwood, W. J., Gold telluride: Min. & Sci. Press 94: 731, 1907.
Shaw, E. S., Structure of Goldfield ores: Eng. & Min. Jour. 91: 714, 1911.
Spurr, J. E., Notes on the geology of the Goldfield district, Nevada: U. S. Geol. Survey Bull. 225: 118–9, 1904.
The ores of Goldfield, Nevada: U. S. Geol. Survey Bull. 260: 132–9, 1905; (Abst.), Min. & Sci. Press 90: 393–5, 1905.
Genetic relations of western Nevada ores: A. I. M. E. Trans. 36: 381–2, 1906.
The Goldfield district, Nevada: (Abst.), Franklin Inst. Jour. 164: 155–160, 1907.
Stuart, E. E., Nevada's mineral resources: 47–55, Carson City: 1909.
Tolman, C. F., and Ambrose, J. W., The rich ores of Goldfield, Nevada: Econ. Geol. 29 (3): 255–279, May, 1934.
Turner, J. K., Mining in the shale at Goldfield: Min. & Sci. Press 110: 995–6, 1915.
Winchell, H. V., Notes on the geology of Goldfield, Nevada: Am. Geol. 35: 382–5, 1905.

GOLD MOUNTAIN (See DIVIDE)

GOLD POINT (See HORNSILVER)

GOOD HOPE. Ag.

Seven miles south of Piper Peak, on the west flank of Silver Peak Range.
Slates, probably Ordovician, with interbedded quartzites.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 73, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Spurr, J. E., Ore deposits of the Silver Peak quadrangle, Nevada: U. S. Geol. Survey Prof. Paper 55: 85, 1906.

GREEN MOUNTAIN (See SYLVANIA)

HORNSILVER. Au, Ag, Pb, Zn, Cu.
(Lime Point)

Twenty-five miles southwest of Goldfield, T. & G. R. R.
Cambrian limestone and shales cut by granite.
Veins.

Ball, S. H., Notes on the ore deposits of southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 285: 62, 1906.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 207, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 73–75, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 58 (gold, silver), 1936.
Ransome, F. L., The Hornsilver district, Nevada: U. S. Geol. Survey Bull. 380: 41–3, 1909.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 191, 192, 194, and 196, 1917.
Turner, J. K., The Hornsilver mining district: Min. & Sci. Press 124: 93–4, 1922.

KLONDYKE. Au, Ag, Pb, Cu, Turquoise.
(Southern Klondyke)

Fourteen miles south of Tonopah, T. & G. R. R.
Cambrian sediments cut by granite and overlain by Tertiary volcanics.
Veins, placers.

Ball, S. H., Notes on the ore deposits of southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 285: 53–73, 1906.
A geologic reconnaissance in southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 308: 28, 32, 33, 44–9, 77–81, 1907.
Ferguson, H. G., The mining districts of Nevada: Econ. Geol. 24 (2): 115, 1929.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 71 (siderite), 1941.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 210, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 75–76, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 59 (gold), 1936.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 192, 194, 199, 1917.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 48, 1932.
Spurr, J. E., Ore deposits of Tonopah and neighboring districts, Nevada: U. S. Geol. Survey Bull. 213: 86–7, 1903.
The Southern Klondyke district, Esmeralda County, Nevada: Econ. Geol. 1: 369–383, 1906.
Genetic relations of western Nevada ores: A. I. M. E. Trans. 36: 400, 1906.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 79, 1936.

LIDA. Au, Ag, Pb, Cu.
(Alida Valley, Tule Canyon)

Thirty miles southwest of Goldfield, T. & G. R. R.
Cambrian sediments cut by quartz monzonite and capped by Tertiary volcanics.
Veins and impregnations, placers.

Ball, S. H., Notes on the ore deposits of southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 285: 61–2, 1906.
A geologic reconnaissance in southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 308: 25, 31, 45, 55–65, 1907.
Browne, J. R., and Taylor, J. W., Reports upon the mineral resources of the United States: (for 1866), 419, Govt. Printing Office, Washington: 1867.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 207–8, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 76–77, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 59 (gold), 1936.
Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1871), 183, Govt. Printing Office, Washington: 1872.
Mining industry of the states and territories of the Rocky Mountains: (for 1872), 174, 175, Govt. Printing Office, Washington: 1873.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 281–2, Govt. Printing Office, Washington: 1875.
Root, W. A., The Lida mining district of Nevada: Min. & Eng. World 31: 123–5, 1909.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 195, 1917.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 48, 1932.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 185–6 (Silver Peak Range), 1903.
Stuart, E. E., Nevada's mineral resources: 46, 57–9, Carson City: 1909.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 79, 1936.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 41–2, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 22–4, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 36, Carson City: 1877.

LIMEPOINT (See HORNSILVER)

LONE MOUNTAIN. Au, Ag, Cu, Pb, Zn, Barite.
(Weepah, West Divide)

In the vicinity of Lone Mountain.
Paleozoic limestone and shales intruded by granite and alaskite.
Veins.

Ball, S. H., Notes on the ore deposits of southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 285: 57–8, 1906.
A geologic reconnaissance in southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 308: 28, 31, 46, 51–55, 1907.
Gale, H. S., Late developments of magnesite deposits in California and Nevada: U. S. Geol. Survey Bull. 540: 520, 1914.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 81 (aragonite), 1941.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 208, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 77–78, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Oxnam, T. H., Weepah gold: Eng. & Min. Jour. 137 (6): 300–303, 306, June, 1936.
Rubey, W. W., Callaghan, Eugene, and Moore, B. N., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 143 (magnesite), 150 (barite), 1936.
Spurr, J. E., The ore deposits of Silver Peak quadrangle, Nevada: U. S. Geol. Survey Bull. 225: 114–15, 1904.
Ore deposits of the Silver Peak quadrangle, Nevada: U. S. Geol. Survey Prof. Paper 55: 75–83, 1905.
Genetic relations of western Nevada ores: A. I. M. E. Trans. 37: 396–7, 1906.
Stuart, E. E., Nevada's mineral resources: 93, Carson City: 1909.

MINERAL RIDGE (See SILVER PEAK)

MONTEZUMA. Au, Ag, Pb, Cu.

Seven miles west of Goldfield, T. & G. R. R.

Cambrian sediments cut by granite and diorite and capped by Tertiary volcanics.

Veins, replacements.

Ball, S. H., Notes on the ore deposits of southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 285: 58–9, 1906.

A geologic reconnaissance in southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 308: 63–4, 1907.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 79 (cerussite), 1941.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 208, 1912.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 78–9, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 59 (silver, lead), 1936.

Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1870), 130, Govt. Printing Office, Washington: 1871.

Mining industry of states and territories of the Rocky Mountains: (for 1872), 174, Govt. Printing Office, Washington: 1873.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 192, 194, 196, 1917.

Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 184–6, 1903.

Stretch, R. H., The Montezuma district, Nevada: Eng. & Min. Jour. 78: 5–6, 1904.

White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 88, Carson City: 1869.

Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 40, Carson City: 1873.

Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 78, Carson City: 1875.

Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 108, Carson City: 1877.

OLD GOLD MOUNTAIN (See TOKOP)

ORIENTAL WASH (See TOKOP)

PALMETTO. Au, Ag, Pb.
(Fesler, Pidgeon Springs, Windypah)

Forty-two miles southwest of Goldfield, T. & G. R. R.

Paleozoic sediments cut by granite.

Veins, contact metamorphic deposits and placers.

Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 319, 419, Govt. Printing Office, Washington: 1868.

Ferguson, H. G., The mining districts of Nevada: Econ. Geol. 24 (2): 115, 1929.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 83 (talc), 1941.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 208, 210, 1912.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 79–80, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 59 (gold, silver, lead), 1936.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.

Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 49, 1932.

Spurr, J. E., Ore deposits of Silver Peak quadrangle, Nevada: U. S. Geol. Survey Bull. 225: 115–6, 1904.

Ore deposits of the Silver Peak quadrangle, Nevada: U. S. Geol. Survey Prof. Paper 55: 85–86, 1916.

Stretch, R. H., Nevada state mineralogist's report for 1866: 44, Carson City: 1867.

Stuart, E. E., Nevada's mineral resources: 25, 46, Carson City: 1909.

Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 82, 1936.

White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 96, Carson City: 1869.

Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 104–5, Carson City: 1871.

Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 43, Carson City: 1873.

PIDGEON SPRINGS (See PALMETTO)

RAILROAD SPRINGS. Au, Ag, Cu.

Twenty-five miles southwest of Goldfield, T. & G. R. R.

Cambrian limestones and shales intruded by diorite dikes; also Tertiary rhyolite.

Veins.

Ball, S. H., A geologic reconnaissance in southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 308: 55–63 (Northeastern extension of Silver Peak range), 1907.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 80–81, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 60 (gold), 1936.

Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 184–6, 1903.

RED MOUNTAIN (See SILVER PEAK)

SILVER PEAK. Au, Ag, Pb.
(Mineral Ridge, Red Mountain)

Twenty miles south of Blair Station, T. & G. R. R.

Paleozoic sediments cut by granite and diorite, also Tertiary volcanics.

Veins.

Browne, J. R., and Taylor, J. W., Reports upon the mineral resources of the United States: (for 1866), 126, Govt. Printing Office, Washington: 1867.
Reports on the mineral resources of the United States: (for 1867), 335, 338–9, 402, 419, Govt. Printing Office, Washington: 1868.
Ferguson, H. G., The mining district of Nevada: Econ. Geol. 24 (2): 115, 1929.
Foshag, W. F., Searlesite from Esmeralda County, Nevada: Am. Miner. 19 (6): 268–274, 1934.
Hastings, J. B., Are the quartz veins of Silver Peak, Nevada, the result of magmatic segregation?: A. I. M. E. Trans. 36: 647–654, 1906.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 209, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 81–82, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 60 (gold), 1936.
Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 116, Govt. Printing Office, Washington: 1869.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1869), 93–9, Govt. Printing Office, Washington, 1870.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.
Spurr, J. E., Ore deposits of Tonopah and neighboring districts, Nevada: U. S. Geol. Survey Bull. 213: 85–6, 1902.
Ore deposits of Silver Peak quadrangle, Nevada: U. S. Geol. Survey Bull. 223: 112–4, 1904.
Spurr, J. E., The Silver Peak region, Nevada: Eng. & Min. Jour. 77: 759–760, 1904.
Ore deposits of the Silver Peak quadrangle, Nevada: U. S. Geol. Survey Prof. Paper 55: 34–74, 1906.
Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 184–6 (Silver Peak Range), 1903.
Stretch, R. H., Nevada state mineralogist's report for 1866: 41–4, Carson City: 1867.
Stuart, E. E., Nevada's mineral resources: 46, 55–7, Carson City: 1909.
White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 95–6, Carson City: 1869.
Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 106–7, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 41, Carson City: 1873.

SILVER PEAK MARSH. Salines.

In Clayton Valley east of Silver Peak.

Browne, J. R., and Taylor, J. W., Reports upon the mineral resources of the United States: (for 1866), 95–6, Govt. Printing Office, Washington: 1867.
Reports on the mineral resources of the United States: (for 1867), 311, Govt. Printing Office, Washington: 1868.
Dole, R. B., Exploration of salines in Silver Peak Marsh, Nevada: U. S. Geol. Survey Bull. 530: 330–345, 1913.

Foshag, W. F., Searlesite from Esmeralda County, Nevada: Am. Miner. 19 (6): 268–274, 1934.
Free, E. E., The topographic features of the desert basins of the United States with reference to the possible occurrence of potash: U. S. Dept. Agr. Bull. 54: 32, 1914.
Lincoln, F. C., Mining districts and mineral resources in Nevada: 83, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 60 (gold), 1936.
Phalen, W. C., Salt resources of the United States: U. S. Geol. Survey Bull. 669: 142–4, 1919.
Spurr, J. E., Ore deposits of the Silver Peak quadrangle, Nevada: U. S. Geol. Survey Prof. Paper 55: 158–9, 1906.
White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 96, Carson City: 1869.
Young, G. J., Potash salts and other salines in the Great Basin region: U. S. Dept. of Agr. Bull. 61: 6, 12, 19, 38, 39–43, 53, 1914.

SOUTHERN KLONDYKE (See KLONDYKE)

STATELINE

Six miles west of south of Hornsilver.

Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 60 (gold), 1936.

SYLVANIA. Ag, Pb.
(Green Mountain)

Twelve miles southeast of Oasis, California, near California-Nevada border.
Limestones and quartzites intruded by granite.
Veins.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 83, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 60 (gold), 1936.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 43, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 21–2, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 35–6, Carson City: 1877.

TOKOP. Au, Ag, Cu, Pb.
(Old Gold Mountain, Bonnie Claire, Oriental Wash)

Fifteen miles west of Bonnie Clare.
Cambrian sediments cut by granite and capped by Tertiary volcanics.
Veins and placers.

Ball, S. H., Notes on the ore deposits of southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 285: 62–5, 1906.
A geologic reconnaissance in southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 308: 45, 182–195, 1907.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 208, 210, 1912.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 83–84, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 61, 1936.
Ransome, F. L., Preliminary account of Goldfield, Bullfrog, and other mining districts in southern Nevada: U. S. Geol. Survey Bull. 303: 80–83, 1907.
Raymond, R. W., Mining industry of states and territories of the Rocky Mountains: (for 1872), 174, 175, 176, Govt. Printing Office, Washington: 1873.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1873), 232–3, Govt. Printing Office, Washington: 1874.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 281, 282–3, Govt. Printing Office, Washington: 1875.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 191, 192, 194, 1917.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 49, 1932.
Stuart, E. E., Nevada's mineral resources: 25, 46, 59, Carson City: 1909.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 83, 1936.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 42–3, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 23, Carson City: 1875.

TULE CANYON (See LIDA)

WEEPAH (See LONE MOUNTAIN)

WEST DIVIDE (See LONE MOUNTAIN)

WHITE MOUNTAINS (See FISH LAKE VALLEY)

WINDYPAH (See PALMETTO)

EUREKA COUNTY

ALPHA. Ag, Pb.

Fifty-five miles north of Eureka and five miles east of Alpha.
Devonian limestone.
Sheeted zones and replacements.

Emmons, W. H., A reconnaissance of some mining camps in Elko, Lander, and Eureka counties, Nevada: U. S. Geol. Survey Bull. 408: 99, 1910.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 85, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

AMARILLA. Iron.

Twenty-two miles south of Palisade, S. P. R. R.

Hershey, O. H., Amarilla iron and phosphate deposits: Min. & Sci. Press 101: 741–42, 1910.

ANTELOPE. Pb, Ag, Cu.

Southwest corner of Eureka County.

Kirk, Edwin, The Eureka quartzite of the Great Basin region: Am. Jour. Sci. (5), 26 (151): 32, 1933.
Vanderburg, W. O., Reconnaissance of mining districts in Eureka County, Nevada: U. S. Bur. Mines Inf. Circ. 7022: 17, 1938.

BARTH (See SAFFORD)

BEOWAWE. Hg.

Station, S. P. R. R., W. P. R. R.

Nolan, T. B., and Anderson, G. H., The geyser area near Beowawe, Eureka County, Nevada: Am. Jour. Sci. (5) 27 (159): 215–229, 1934.
Vanderburg, W. O., Reconnaissance of mining districts in Eureka County, Nevada: U. S. Bur. Mines Inf. Circ. 7022: 19, 1938.

BUCKHORN. Au, Ag, Pb.

Thirty-five miles south-southwest of Palisade, S. P. R. R., W. P. R. R., and 30 miles south of Beowawe on S. P. R. R.
Ordovician limestone intruded by granodiorite and capped by Tertiary eruptives.
Veins.

Emmons, W. H., A reconnaissance of some mining camps in Elko, Lander, and Eureka counties, Nevada: U. S. Geol. Survey Bull. 408: 106–110, 1910.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 52 (marcasite), 59 (realgar), 62 (orpiment), 86 (epsomite), 1941.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 210, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 85–86, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.
Siebert, F. J., General mining news (Buckhorn, Nevada): Min. & Sci. Press 108: 547, 1914.
Vanderburg, W. O., Reconnaissance of mining districts in Eureka County, Nevada: U. S. Bur. Mines Inf. Circ. 7022: 19–21, 1938.

CORTEZ (See LANDER COUNTY)

DIAMOND. Ag, Pb, Salines.
(Diamond Marsh)

Thirty miles north of Eureka.
Limestone.
Veins, also salt marsh.

Browne, J. R., and Taylor, J. W., Reports upon the mineral resources of the United States: (for 1866), 411, Govt. Printing Office, Washington: 1867.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 84 (halite), 1941.
Hague, Arnold, Report of the geological exploration of the fortieth parallel (2): 550, Govt. Printing Office, Washington: 1877.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 87, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Phalen, W. C., Salt resources of the United States: U. S. Geol. Survey Bull. 669: 145, 1919.
Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1873), 210, Govt. Printing Office, Washington: 1874.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 256–7, Govt. Printing Office, Washington: 1875.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 192, Govt. Printing Office, Washington: 1876.
Russell, I. C., Geological history of Lake Lahontan: U. S. Geol. Survey Mon. 11: 84, 1885.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 81–4 (Diamond Range), 1903.
Vanderburg, W. O., Reconnaissance of mining districts in Eureka County, Nevada: U. S. Bur. Mines Inf. Circ. 7022: 28, 65, 1938.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 80, Carson City: 1873.

DIAMOND MARSH (See DIAMOND)

EUREKA. Ag, Pb, Au, Cu, Zn, Fe, As, Mo.
(Pinto, Prospect, Ruby Hill, Secret Canyon)

County seat of Eureka County. On U S 50.
Paleozoic sediments, granite porphyry, and Tertiary volcanics.
Replacements, veins.

Bains, T. H., Location of future ores of the southwest: Mining Jour. (Phoenix, Ariz.), 11 (9): 5–7, 1927.
Barus, C., The electrical activity of ore-bodies: A. I. M. E. Trans. 13; 417–477, 1885: Experiments made at the Richmond mine, Eureka district, Nevada: 435–475.
Becker, G. F., Reconnaissance of the San Francisco, Eureka, and Bodie districts: U. S. Geol. Survey 1st Ann. Rept.: 34–47, 1880.
Blake, W. P., The ore deposits of Eureka district, eastern Nevada: A. I. M. E. Trans. 6: 554–563, 1879.
Curtis, J. S., Abstract of report of the mining geology of the Eureka district, Nevada: U. S. Geol. Survey 4th Ann. Rept.: 221–251, 1884.

Silver-lead deposits of Eureka, Nevada: U. S. Geol. Survey Mon. 7: 1884.
Ferguson, H. G., The mining districts of Nevada: Econ. Geol. 24 (2): 115, 1929.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 51 (arsenopyrite), 53 (molybdenite), 56 (cerargyrite), 59 (realgar), 61 (pyromorphite), 62 (orpiment, jarosite), 69 (serpentine), 70 (wulfenite), 72 (rhodochrosite), 74 (smithsonite, hemimorphite), 79 (cerussite, anglesite), 81 (aragonite), 84 (kaolinite), 1941.
Hague, Arnold, Report of the geological exploration of the fortieth parallel (2): 547–548, Govt. Printing Office, Washington: 1877.
Report of work in the Eureka district: U. S. Geol. Survey 1st Ann. Rept.: 32–5, 1880.
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Horton, F. W., Molybdenum, its ores and their concentration: U. S. Bur. Mines Bull. 111: 89 (wulfenite), 1916.
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King, Clarence, Report of the geological exploration of the fortieth parallel: (3); 405, Govt. Printing Office, Washington: 1870.
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Lee, W. T., Stone, R. W., Gale, H. S., and others, Guidebook of the western United States, Part B, The Overland Route: U. S. Geol. Survey Bull. 612: 157, 168, 1915.
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Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 190–192, 194–198, 200, 1917.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 81–84, 1903.
Vanderburg, W. O., Reconnaissance of mining districts in Eureka County, Nevada: U. S. Bur. Mines Inf. Circ. 7022: 31, 1938.
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Systematic list of fossils found at Eureka, Nevada: U. S. Geol. Survey Mon. 20, Appendix A: 319–333, 1892.

Wheeler, H. E., and Lemmon, D. M., Cambrian formations of the Eureka and Pioche districts, Nevada: Univ. Nev. Bull. 33 (3) Geol. and Min. ser. (31): 1939.

Whitney, J. B., Potsdam fossils from near Eureka, Nevada: Cal. Acad. Sci. Proc. 4: 200, 1873.

FISH CREEK. Ag, Pb, Zn, Cu, W.

South end of Antelope Valley, 35 miles southwest from Eureka by road.

Vanderburg, W. O., Reconnaissance of mining districts in Eureka County, Nevada: U. S. Bur. Mines Inf. Circ. 7022: 48, 1938.

LONE MOUNTAIN

North of U S 50 and 20 miles west of Eureka.

Kirk, Edwin, The Eureka quartzite of the Great Basin region: Am. Jour. Sci. (5) 26 (151): 30, 1933.

Merriam, C. W., Devonian of east central Nevada: Geol. Soc. Am. Proc. 1934: 314, 1935.

LYNN. Au.

Twenty miles northwest of Carlin on the S. P. R. R. and W. P. R. R.

Tertiary volcanics cut by porphyritic intrusions.

Veins and placers.

Emmons, W. H., A reconnaissance of some mining camps in Elko, Lander, and Eureka counties, Nevada: U. S. Geol. Survey Bull. 408: 45, 70, 87–8, 1910.

Gianella, V. P., Barite deposits of northern Nevada: A. I. M. E. Min. Tech. 4 (4): 297, 1940. Also, A. I. M. E. Tech. Pub. No. 1200.

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Lincoln, F. C., Mining districts and mineral resources of Nevada: 94, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 191, 192, 194, 1917.

Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 49, 1932.

Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 83, 1936.

MAGGIE CREEK. Pb, Ag, Au, Sb, Cu.
(Schroeder, Susie Creek)

Ten to 15 miles north-northwest of Carlin on the S. P. R. R. and W. P. R. R.

Paleozoic sediments and Tertiary volcanics.

Veins, replacements.

Emmons, S. F., Report of the geological exploration of the fortieth parallel (2): 606, Govt. Printing Office, Washington: 1877.

Emmons, W. H., A reconnaissance of some mining camps in Elko, Lander, and Eureka counties, Nevada: U. S. Geol. Survey Bull. 408: 87, 1910.

Gianella, V. P., Barite deposits of northern Nevada: A. I. M. E. Min. Tech. 4 (4): 298, July, 1940. A. I. M. E. Tech. Pub. No. 1200.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 212, 1912.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 94–95, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 195, 1917.

Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 53, 1932.

Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 91, 1936.

Reconnaissance of mining districts in Eureka County, Nevada: U. S. Bur. Mines Inf. Circ. 7022: 62, 1938.

MILL CANYON

Twenty-five miles south of Beowawe, on S. P. R. R.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 59 (realgar), 62 (orpiment), 86 (epsomite), 1941.

Vanderburg, W. O., Reconnaissance of mining districts in Eureka County, Nevada: U. S. Bur. Mines Inf. Circ. 7022: 26–28, 1938.

MINERAL HILL. Ag, Pb, Au, Cu, Zn.

Thirty miles south of Palisade on S. P. R. R. and W. P. R. R.

Paleozoic sediments cut by porphyry.

Replacements.

Emmons, W. H., A reconnaissance of some mining camps in Elko, Lander, and Eureka counties, Nevada: U. S. Geol. Survey Bull. 408: 95–9, 1910.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 47 (stephanite), 61 (pyromorphite), 1941.

King, Clarence, Report of the geological exploration of the fortieth parallel: 3, 407–8, Govt. Printing Office, Washington: 1870.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 95, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Maynard, T. P., The Mineral Hill mining district, Nevada: Eng. & Min. World 42: 1117–19, 1915.

Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1871), 141, 180–181, Govt. Printing Office, Washington: 1872.

Mining industry of states and territories of the Rocky Mountains: (for 1872), 152–3, Govt. Printing Office, Washington: 1873.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1873), 210, Govt. Printing Office, Washington: 1874.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 35, 257, Govt. Printing Office, Washington: 1875.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 192, 194, 197–199, 1917.

Vanderburg, W. O., Reconnaissance of mining districts in Eureka County, Nevada: U. S. Bur. Mines Inf. Circ. 7022: 51, 1938.

White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 55–7, Carson City: 1869.

Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 22, Carson City: 1873.

Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 27, Carson City: 1877.

MOUNT HOPE. Zn, Pb, Ag.

On the south end of Roberts Mountains, 25 miles north-northwest of Eureka.

Vanderburg, W. O., Reconnaissance of mining districts in Eureka County, Nevada: U. S. Bur. Mines Inf. Circ. 7022: 58, 1938.

MOUNT TENABO (See CORTEZ, LANDER COUNTY)

PALISADE (See SAFFORD)

PINE VALLEY (See SAFFORD)

PINTO (See EUREKA)

PROSPECT (See EUREKA)

ROBERTS. Ag, Pb, Cu.

On Roberts Mountains thirty miles northwest of Eureka.

Syenite and limestone.

Veins.

Kirk, Edwin, The Eureka quartzite of the Great Basin region: Am. Jour. Sci. (5) 26 (151): 31, 33, 1933.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 96, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Merriam, C. W., Devonian section in central Nevada: Geol. Soc. Am. Proc. 1935: (Abst.), 92, 377, 1936.

Devonian stratigraphy and paleontology of the Roberts Mountains region, Nevada: Geol. Soc. Am. Spec. Paper 25 (7): 114, 1940.

Merriam, C. W., and Anderson, C. A., Low-angle thrusting in the Roberts Mountains, Nevada: (Abst.), Geol. Soc. Am. Bull. 52 (12 pt. 2): 1953, 1941.

White, A. F., Report of the state mineralogist of Nevada for the years 1869 and 1870: 44–45, Carson City: 1871.

Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 61, Carson City: 1875.

RUBY HILL (See EUREKA)

SAFFORD. Ag, Au, Fe, Pb, Cu.
(Barth, Palisade, Pine Valley)

Six miles west of Palisade, S. P. R. R.

Tertiary volcanics.

Veins.

Emmons, W. H., A reconnaissance of some mining camps in Elko, Lander, and Eureka counties, Nevada: U. S. Geol. Survey Bull. 408: 110–13, 1910.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 36 (6), Geol. and Min. ser. (36): 56 (native silver), 59 (hematite), 80 (barite), 1941.

Barite deposits of northern Nevada: A. I. M. E. Min. Tech. 4 (4): 298, A. I. M. E. Tech. Pub. 1200, July, 1940

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 221–2, 1912.

Jones, J. C., The Barth iron ore deposit: Econ. Geol. 8; 247–263, 1913: (Abst.), Geol. Soc. Am. Bull. 24: 96–7, 1913.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 96–97, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1871), 141, Govt. Printing Office, Washington: 1872.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 192, 194, 195, 198, 199, 1917.

Stuart, E. E., Nevada's mineral resources: 71, Carson City: 1909.

Vanderburg, W. O., Reconnaissance of mining districts in Eureka County, Nevada: U. S. Bur. Mines Inf. Circ. 7022: 56, 59, 1938.

SCHROEDER (See MAGGIE CREEK)

SECRET CANYON (See EUREKA)

SUSIE CREEK (See MAGGIE CREEK)

UNION. Ag, Pb.

Fifty miles north of Eureka.

Vanderburg, W. O., Reconnaissance of mining districts in Eureka County, Nevada: U. S. Bur. Mines Inf. Circ. 7022: 64, 1938.

UNNAMED DISTRICT. Asphaltum (Uranium-vanadium bearing impsonite)

In the Pinon Range, 15 miles south of Palisade near the Elko County boundary line.

Anderson, Robert, An occurrence of asphaltite in northeastern Nevada: U. S. Geol. Survey Bull. 380: 283–285, 1909.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 261, (asphalt), Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Vanderburg, W. O., A reconnaissance of mining districts in Eureka County, Nevada: U. S. Bur. Mines Inf. Circ. 7022: 56–57, 1938.

WILLIAMS SALT MASH (See DIAMOND)

HUMBOLDT COUNTY

GENERAL REFERENCE

Emmons, S. F., Report of the geological exploration of the fortieth parallel (2): 775–800, Govt. Printing Office, Washington: 1877.

Hague, Arnold, Report of the geological exploration of the fortieth parallel (2): 713–775, Govt. Printing Office, Washington: 1877.

Russell, I. C., Geological history of Lake Lahontan: U. S. Geol. Survey Mon. 11: 1885.

ADELAIDE (See GOLD RUN)

AMOS (See AWAKENING)

ASHDOWN (See WARM SPRINGS)

AWAKENING. Au, Ag.
(Amos, Slumbering Hills)

In the Slumbering Hills 30 miles northwest of Winnemucca.

Veins and placer deposits.

Calkins, F. C., Gold deposits of Slumbering Hills, Nevada: Univ. Nev. Bull. 22 (3): 26, 1938.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 97, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Vanderburg, W. O., Reconnaissance of mining districts in Humboldt County, Nevada: U. S. Bur. Mines Inf. Circ. 6995: 16, 1938.

BARRETT SPRINGS (See WINNEMUCCA)

BATTLE MOUNTAIN (See LANDER COUNTY)

BOTTLE CREEK. Hg.

On east slope of Jackson Mountains 55 miles northwest of Winnemucca and 20 miles southeast of Quinn River Crossing.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 57 (cinnabar), 1941.

Roberts, R. J., Quicksilver deposits of the Bottle Creek district, Humboldt County, Nevada: (A preliminary report), U. S. Geol. Survey Bull. 922-A: 29, 1940.

Vanderburg, W. O., Reconnaissance of mining districts in Humboldt County, Nevada: U. S. Bur. Mines Inf. Circ. 6995: 17, 1938.

CENTRAL. Au, Ag, Pb.
(New Central)

On the northern part of Eugene Mountains, 8 miles southwest of Pronto on W. P. R. R.

Vanderburg, W. O., Reconnaissance of mining districts in Humboldt County, Nevada: U. S. Bur. Mines Inf. Circ. 6995: 17, 1938.

COLUMBIA (See VARYVILLE)

DISASTER. Au.

Near the Oregon border, 100 miles northwest of Winnemucca on the S. P. R. R. and W. P. R. R.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 212, 1912.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 97, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.

DONNELLY (See DONNELLY, WASHOE COUNTY)

DUTCH FLAT. Au, Hg.

On the western slope of south end of Hot Spring Range, 18 miles northeast of Winnemucca and 18 miles north of Golconda on the S. P. R. R. and W. P. R. R.

Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nevada Bull. 26 (8): 55, 1932.

Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull 30 (4): 94, 1936.

Reconnaissance of mining districts in Humboldt County, Nevada: U. S. Bur. Mines Inf. Circ. 6995: 21, 1938.

GETCHELL (See POTOSI)

GOLCONDA. Mn, Cu, Au, Pb, Zn, W, Fe.

Three miles southeast of Golconda on S. P. R. R.

Tertiary sediment and volcanics.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 49 (braunite, psilomelane), 62 (jarosite), 71 (rhodonite), 1941.

Harder, E. C., Manganese deposits of the United States: U. S. Geol. Survey Bull. 380: 270, 1909.

Manganese deposits of the United States: U. S. Geol. Survey Bull. 427: 153–7, 1910.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 213, 1912.

Kerr, P. F., Tungsten-bearing manganese deposit at Golconda, Nevada: Geol. Soc. Am. Bull. 51 (9): 1359–1389, 1940.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 97–8, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Pardee, J. T., and Jones, E. L., Jr., Deposits of manganese ore in Nevada: U. S. Geol. Survey Bull. 710-F: 235–8, 1920.

Penrose, R. A. F., Jr., Manganese, its uses, ores, and deposits: Ann. Rept. Geol. Survey of Arkansas for 1890: 1, 64, 469, 476, 551, 1891.

A Pleistocene manganese deposit near Golconda, Nevada: Jour. Geol. 1: 275–282, 1893.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 195, 197, 1917.

Vanderburg, W. O., Reconnaissance of mining districts in Humboldt County, Nevada: U. S. Bur. Mines Inf. Circ. 6995: 22, 1938.

GOLD RUN. Cu, Ag, Au, Pb, Zn.
(Adelaide)

On the east slope of Sonoma Range, 15 miles south of Golconda on S. P. R. R.
Triassic sediments cut by granite.
Veins, replacement, contact metamorphic and placer deposits.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 65 (pyroxene), 66 (idocrase), 1941.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 212, 1912.
Hague, J. D., Mining and milling in western Nevada: Report of the geological exploration of the fortieth parallel (3); 316–17, Govt. Printing Office, Washington: 1870.
Lee, W. T., Stone, R. W., Gale, H. S., and others, Guidebook of the western United States, Part B. The Overland Route: U. S. Geol. Survey Bull. 612: 172, 1915.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 99–100, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Ransome, F. L., Notes on some mining districts in Humboldt County, Nevada: U. S. Geol. Survey Bull. 414: 62–4, 1909.
Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 124–5, Govt. Printing Office, Washington: 1869.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1869), 192, Govt. Printing Office, Washington: 1870.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1870), 133, Govt. Printing Office, Washington: 1871.
Mining industry of states and territories of the Rocky Mountains: (for 1872), 157–8, Govt. Printing Office, Washington: 1873.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1873), 214 Govt. Printing Office, Washington: 1874.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 21–2, Govt. Printing Office, Washington: 1875.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 188–9, Govt. Printing Office, Washington: 1876.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 195, 200, 1917.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 53, 1932.
Stretch, R. H., Nevada state mineralogist's report for 1866: 54, Carson City: 1867.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 91, 1936.
Reconnaissance of mining districts in Humboldt County, Nevada: U. S. Bur. Mines Inf. Circ. 6995: 22, 1938.
White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 41–2, Carson City: 1869.

Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 28–9, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 61–2, Carson City: 1877.

HARMONY (See SONOMA MOUNTAIN)

IRON POINT. Mn, Ag, Au, Pb.

On north slope of northeast projection of Sonoma Range, 12 miles east of Golconda.
Shale and quartzite.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 98, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Pardee, J. T., and Jones, E. L., Jr., Deposits of manganese ore in Nevada: U. S. Geol. Survey Bull. 710-F: 238–9, 1920.
Vanderburg, W. O., Reconnaissance of mining districts in Humboldt County, Nevada: U. S. Bur. Mines Inf. Circ. 6995: 28, 1938.

JACKSON CREEK. Cu, Pb, Ag.

On the west slope of the Jackson Mountains, 35 miles north of Sulphur and 18 miles south of Quinn River Crossing.
Granite and limestone.
Veins, and contact metamorphic deposits.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 213, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 98–9, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 193, 1917.

KELLY CREEK (See POTOSI)

KING'S RIVER. Au.

Near Oregon-Nevada boundary line, 45 miles northwest of Orovada.

Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 93, 1936.

LEONARD CREEK (See VARYVILLE)

McDERMITT. Hg.
(Opalite)

Near the Oregon-Nevada boundary line, 77 miles north of Winnemucca.

Vanderburg, W. O., Reconnaissance of mining districts in Humboldt County, Nevada: U. S. Bur. Mines Inf. Circ. 6995: 30, 1938.
Yates, R. G., Quicksilver deposits of the Opalite district, Malheur County, Oregon, and Humboldt County, Nevada: U. S. Dept. Int. Press Mem. 155625: August 28, 1941.
Yates, R. G., and Roberts, R. J., The "opalite" type of quicksilver deposit: (Abst.), Econ. Geol. 36 (8): 839, 1941.

MOUNT ROSE (See PARADISE VALLEY)

NATIONAL. Au, Ag, Sb.

On the west slope of the Santa Rosa Range, 74 miles north of Winnemucca.
Tertiary volcanics.

Cutler, H. C., National, Nevada: Min. & Sci. Press 101: 606–7, 1910.
Ferguson, H. G., The mining districts of Nevada: Econ. Geol. 24 (2): 115, 1929.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 51 (arsenopyrite), 60 (native gold), 1941.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 212, 1912.
Lee, W. T., Stone, R. W., Gale, H. S., and others, Guidebook of the western United States, Part B, The Overland Route: U. S. Geol. Survey Bull. 612: 174, 1915.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 100–101, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Lindgren, Waldemar, Geology of the National mining district, Nevada: Min. & Eng. World 35: 1175–6, 1911.
The Bonanza of National, Nevada: Wash. Acad. Sci. Jour. 2: 107–8, 1912.
Geology and mineral deposits of the National mining district, Nevada: U. S. Geol. Survey Bull. 601, 1915; (Abst.), Wash. Acad. Sci. Jour. 5: 580–1, 1915.
Roberts, R. J., Quicksilver deposit at Buckskin Peak, National mining district, Humboldt County, Nevada: (A preliminary report), U. S. Geol. Survey Bull. 922-E: 115–133, 1940.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 192, 194, 1917.
Schuette, C. N., Lahontan quicksilver: Eng. & Min. Jour. 134 (8): 329–332, 1933.
Spurr, J. E., Tertiary gold quartz vein dike at National, Nevada: Eng. & Min. Jour. 116 (25): 1078, 1923.
Stuart, E. E., Nevada's mineral resources: 125, Carson City: 1909.
Vanderburg, W. O., Reconnaissance of mining districts in Humboldt County, Nevada: U. S. Bur. Mines Inf. Circ. 6995: 31, 1938.
Winchell, A. N., Geology of the National mining district, Nevada: Min. & Sci. Press 105: 655–9, 1912.

NEW CENTRAL (See CENTRAL)

NEW GOLDFIELDS (See REBEL CREEK)

OPALITE (See McDERMITT)

PARADISE VALLEY. Au, Ag, Hg.
(Mount Rose, Poverty Creek, Spring City)

On the east slope of the Santa Rosa Range, 45 miles north-northeast of Winnemucca and 42 miles north of Golconda.
Metamorphosed Mesozoic slates.
Veins and placer deposits.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 213–4, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 101, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Lindgren, Waldemar, Geology and mineral deposits of the National mining district: U. S. Geol. Survey Bull. 601: 13–14, 16–17, 1915.
Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 262, 263, Govt. Printing Office, Washington: 1875.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 189, Govt. Printing Office, Washington: 1876.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 54, 1932.
Stuart, E. E., Nevada's mineral resources: 120, Carson City: 1909.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 92, 1936.
Reconnaissance of mining districts in Humboldt County, Nevada: U. S. Bur. Mines Inf. Circ. 6995: 38, 1938.

POTOSI. Au, Ag, As, Sb, Hg, W.
(Getchell, Kelly Creek, Preble)

On the east slope of the Osgood Range, 30 miles north of Golconda.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 59 (realgar), 62 (orpiment), 76 (wollastonite), 1941.
Hardy, R. A., The Getchell mines: Eng. & Min. Jour. 139 (11): 29–31, 1938.
Geology of the Getchell mine: A. I. M. E. Mining Tech. 4 (6); 1–4, 1940; A. I. M. E. Trans. 144: 147–150, 1941.
Hess, F. L., and Larsen, E. S., Contact metamorphic tungsten deposits of the United States: U. S. Geol. Survey Bull. 725: 1921.
Lee, W. T., Stone, R. W., Gale, H. S., and others, Guidebook of the western United States, Part B. The Overland Route: U. S. Geol. Survey Bull. 612: 171, 1915.
Vanderburg, W. O., Reconnaissance of mining districts in Humboldt County, Nevada: U. S. Bur. Mines Inf. Circ. 6995: 40, 1938.

POVERTY CREEK (See PARADISE VALLEY)

PREBLE (See POTOSI)

PUEBLO (See WARM SPRINGS)

REBEL CREEK. Au, Ag.
(New Goldfields, Willow Creek)

On the west slope of the Santa Rosa Range, 54 miles north of Winnemucca.
Veins and placer deposits.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 214, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 101–102, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Lindgren, Waldemar, Geology and mineral deposits of the National mining district, Nevada: U. S. Geol. Survey Bull. 601: 12, 14, 17, 1915.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 198, 1917.

Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 36 (8): 54, 1932.

Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 93, 1936.

RED BUTTE. Cu, Sb, Hg.

On the west slope of the southern part of the Jackson Range, 15 miles north of Sulphur on the W. P. R. R.

Gabbro cut by aplite dikes.

Veins and disseminated deposits.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 52 (covellite), 1941.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 102, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Ransome, F. L., Notes on some mining districts in Humboldt County, Nevada: U. S. Geol. Survey Bull. 414: 27–30, 1909.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 192, 193, 195, 196, 199, 1917.

Vanderburg, W. O., Reconnaissance of mining districts in Humboldt County, Nevada: U. S. Bur. Mines Inf. Circ. 6995: 41, 1938.

SAWTOOTH. Au.

Near the Humboldt-Pershing County line, 10 miles east of Sulphur on the W. P. R. R.

Vanderburg, W. O., Reconnaissance of mining districts in Humboldt County, Nevada: U. S. Bur. Mines Inf. Circ. 6995: 42, 1938.

SHERMAN. Au, Ag.

On the east slope of the Bloody Run Range, 23 miles north of Winnemucca.

Vanderburg, W. O., Reconnaissance of mining districts in Humboldt County, Nevada: U. S. Bur. Mines Inf. Circ. 6995: 42, 1938.

SHON. Au, Ag.

In the Santa Rosa Range, 28 miles north of Winnemucca.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 102, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Stuart, E. E., Nevada's mineral resources: 121, Carson City: 1909.

Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1877 and 1878: 65, San Francisco: 1879.

SLUMBERING HILLS (See AWAKENING)

SOLDIER MEADOWS. Nitrates.

Soldier Creek Valley, 53 miles north of Gerlach and six miles southwest of the Paiute and Shoshone Indian Reservation in western Humboldt County.

Mansfield, G. R., and Boardman, Leona, Nitrate deposits of the United States: U. S. Geol. Survey Bull. 838: 40, 1932.

SONOMA MOUNTAIN. Cu, Ag, Au, Zn, Mo, W.
(Harmony)

On the north end of the Sonoma Range, five miles southeast of Winnemucca.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 57 (cinnabar), 59 (hematite), 80 (powellite), 1941.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 102–3, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 195, 198, 1917.

Stretch, R. H., Nevada state mineralogist report for 1866: 54, Carson City: 1867.

Vanderburg, W. O., Reconnaissance of mining districts in Humboldt County, Nevada: U. S. Bur. Mines Inf. Circ. 6995: 27, 1938.

SPRING CITY (See PARADISE VALLEY)

SULPHUR. Sulphur, Alunite, Ag, Hg.

Two miles southeast of Sulphur on the W. P. R. R.

Tertiary rhyolite and water-laid tuffs.

Vein deposits.

Adams, G. I., The Rabbit Hole sulphur mines near Humboldt House, Nevada: U. S. Geol. Survey Bull. 225: 497–502, 1904.

Clark, I. C., Recently recognized alunite deposits at Sulphur, Humboldt County, Nevada: Eng. & Min. Jour. 106: 159–163, 1918.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 56 (cerargyrite), 63 (sulphur), 81 (alunite), 1941.

Hague, Arnold, Report of the geological exploration of the fortieth parallel (2): 742, Govt. Printing Office, Washington: 1877.

Knopf, Adolph, Some cinnabar deposits in western Nevada: U. S. Geol. Survey Bull. 620D: 65, 1915.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 103–104, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Russell, I. C., Sulphur deposits in Utah and Nevada: N. Y. Acad. Sci., Trans. 1: 168–175, 1882; Eng. & Min. Jour. 35: 31–2, 1883; (Abst.), Am. Jour. Sci. III 25: 1883.

Geological history of Lake Lahontan: U. S. Geol. Survey Mon. 11: 54–5, 1885.

Stuart, E. E., Nevada's mineral resources: 8, Carson City: 1909.

Vanderburg, W. O., Reconnaissance of mining districts in Humboldt County, Nevada: U. S. Bur. Mines Inf. Circ. 6995: 44, 1938.

Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 64–6, Carson City: 1878.

TEN MILE (See WINNEMUCCA)

VARYVILLE. Au.
(Columbia, Leonard Creek)

At the south end and on the east slope of the Pine Forest Range, 12 miles west of Quinn River Crossing and 95 miles northwest of Winnemucca by road.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 215, 1912.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 104, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 263, Govt. Printing Office, Washington: 1875.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 189–90, Govt. Printing Office, Washington: 1876.

Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 54, 1932.

Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 93, 1936.

Reconnaissance of mining districts in Humboldt County, Nevada: U. S. Bur. Mines Inf. Circ. 6995: 29, 1938.

Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 53, 1875.

VICKSBURG (See WARM SPRINGS)

VIRGIN VALLEY. Opal.

In northwestern Humboldt County, 25 miles southwest of Denio, Oregon, via Nevada State Highway 8-A.

Dake, H. C., Opals in Virgin Valley: Rocks and Minerals 8 (1): 16–18, 1933

History of Virgin Valley, Nevada, largest opal field: Mineralogist 9 (1): 7–8, 22–24, 1941.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 78 (opal), 1941.

Kunz, G. F., On the occurrence of opal in northern Nevada and Idaho: (Abst.), N. Y. Acad. Sci. Annals 21: 214–5, 1912.

Merriam, J. C., The occurrence of middle Tertiary mammal-bearing beds in northwestern Nevada: Sci. n. s. 26: 380–2, 1907.

Vanderburg, W. O., Reconnaissance of mining districts in Humboldt County, Nevada: U. S. Bur. Mines Inf. Circ. 6995: 48, 1938.

Anonymous, Valuable discoveries of opal in Nevada: Min. and Eng. World 39: (14) 601, 1913.

WARM SPRINGS. Au, Ag, Cu, Pb.
(Ashdown, Pueblo, Vicksburg)

On the west slope near the north end of the Pine Forest Range, 12 miles south of Denio on the Oregon-Nevada boundary line.

Browne, J. R., and Taylor, J. W., Report upon the mineral resources of the United States: (for 1866), 128, Govt. Printing Office, Washington: 1867.

Reports of the mineral resources of the United States: (for 1867), 332, Govt. Printing Office, Washington: 1868.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey. Bull. 507: 215, 1912.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 105, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.

Stretch, R. H., Nevada state mineralogist's report for 1866: 45–6, Carson City: 1867.

Vanderburg, W. O., Reconnaissance of mining districts in Humboldt County, Nevada: U. S. Bur. Mines Inf. Circ. 6995: 49, 1938.

WILLOW CREEK (See REBEL CREEK)

WILLOW POINT. Cu, Ag.

On the west side of the Hot Spring Range, 20 miles northeast of Winnemucca.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 105, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

WINNEMUCCA. Au, Ag, Pb, Cu, Hg, Mo.
(Barrett Springs, Ten Mile)

On the slope of Winnemucca Mountain, four miles northwest from Winnemucca.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 53 (molybdenite), 69 (serpentine), 1941.

Hague, Arnold, Nevada basin west Humboldt region. Report of the geological exploration of the fortieth parallel (2): 737–9, Govt. Printing Office, Washington: 1877.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 215, 1912.

Lee, W. T., Stone, R. W., Gale, H. S., and others, Guidebook of the western United States, Part B. The Overland Route: U. S. Geol. Survey Bull. 612: 174, 1915.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 105–6, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Lindgren, Waldemar, Geology and mineral deposits of the National mining district, Nevada: U. S. Geol. Survey Bull. 601: 11–12, 13, 15–16, 1915.

Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 132, Govt. Printing Office, Washington: 1869.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1869), 193, Govt. Printing Office, Washington: 1870.

Mining industry of states and territories of the Rocky Mountains: (for 1872), 157, Govt. Printing Office, Washington: 1873.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1873), 213–4, Govt. Printing Office, Washington: 1874.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 262, Govt. Printing Office, Washington: 1875.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 188–9, Govt. Printing Office, Washington: 1876.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 192, 194, 199, 1917.

Stretch, R. H., Nevada state mineralogist's report for 1866: 55, Carson City: 1867.

Stuart, E. E., Nevada's mineral resources: 120, Carson City: 1909.

Vanderburg, W. O., Reconnaissance of mining districts in Humboldt County, Nevada: U. S. Bur. Mines Inf. Circ. 6995: 51, 1938.

White, A. F., Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 27–8, Carson City: 1871.

Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 51–2, Carson City: 1873.

Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 51–2, Carson City: 1875.

Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 62, Carson City: 1877.

Biennial report of the state mineralogist of the State of Nevada for the years 1877 and 1878: 66, San Francisco: 1879.

LANDER COUNTY

GENERAL

Fries, Carl, Jr., and Butler, A. P., Tin deposits of northern Lander County, Nevada: Dept. Int. Press Mem. 154581: August 18, 1941.

AMADOR (See REESE RIVER)

ARGENTA

Twelve miles east of Battle Mountain, four miles southeast from Argenta siding on the S. P. R. R.

Gianella, V. P., Barite deposits of northern Nevada: A. I. M. E. Min. Tech. 4 (4): 296, 1940; A. I. M. E. Tech. Pub. No. 1200.

Vanderburg, W. O., Reconnaissance of mining districts in Lander County, Nevada: U. S. Bur. Mines Inf. Circ. 7043: 54, 1939.

AUSTIN (See REESE RIVER)

BANNOCK (See BATTLE MOUNTAIN)

BATEMAN CANYON
(Rock Creek)

Fifteen miles south of Battle Mountain.

Gianella, V. P., Barite deposits of northern Nevada: A. I. M. E. Min. Tech. 4 (4): 297, 1940; A. I. M. E. Tech. Pub. No. 1200.

BATTLE MOUNTAIN. Au, Ag, Cu, Sb, Pb, Zn, As.
(Bannock, Copper Basin, Copper Canyon, Cottonwood Creek, Rocky Canyon, Galena)

South and west of Battle Mountain, S. P. R. R., W. P. R. R.

Paleozoic sediments and Tertiary volcanics.

Veins, replacements, contact metamorphic, placers.

Bandman, C. J., The geology of the Battle Mountain mining district, Nevada: Min. & Eng. World, 40: 933, 1914.

Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 318–9, 412–13, Govt. Printing Office, Washington: 1868.

Cutler, H. C., Telluride: Min. & Sci. Press 102: 845, 1911.

Ferguson, H. G., The mining districts of Nevada: Econ. Geol. 24 (2): 1929.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 42 (cassiterite), 49 (stibnite), 51 (arsenopyrite), 55 (turquoise), 57 (native copper), 58 (cuprite), 70 (stibiconite), 79 (anglesite), 80 (barite), 1941.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 215, 216, 1912.

Some mining districts in northeastern California and northwestern Nevada: U. S. Geol. Survey Bull. 594: 61–71, 1915.

King, Clarence, Report of the geological exploration of the fortieth parallel (3): 317–19, Govt. Printing Office, Washington: 1870.

Lawson, A. C., Fanglomerate, a detrital rock at Battle Mountain, Nevada: (Abst.), Geol. Soc. Am. Bull. 23: 72, 1912.

Lee, W. T., Stone, R. W., Gale, H. S., and others, Guidebook of the western United States, Part B, The Overland Route: U. S. Geol. Survey Bull. 612: 170–171, 1915.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 106–109, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Martin, A. H., The Bannock mining district, Nevada: Min. & Eng. World 32: 835, 1910.
Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 118–20, Govt. Printing Office, Washington: 1870.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1869), 190–91, Govt. Printing Office, Washington: 1870.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1870), 132–3, Govt. Printing Office, Washington: 1871.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1871), 141, 213–17, 518, Govt. Printing Office, Washington: 1872.
Mining industry of states and territories of the Rocky Mountains: (for 1872), 158, Govt. Printing Office, Washington: 1873.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1873), 198–200, Govt. Printing Office, Washington: 1874.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 240–241, Govt. Printing Office, Washington: 1875.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 172, 189, 433, Govt. Printing Office, Washington: 1876.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 198, 199, 1917.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 56, 1932.
Stuart, E. E., Nevada's mineral resources: 127, 129, Carson City: 1909.
Thomas, C. S., Bannock, Nevada: Min. & Sci. Press 99: 820–21, 1909.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 96, 1936.
Reconnaissance of mining districts in Lander County, Nevada: U. S. Bur. Mines Inf. Circ. 7043: 18, 1939.
White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 42–3, Carson City: 1869.
Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 29–36, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 45–50, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 60–61, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 77–82, Carson City: 1877.
Biennial report of the state mineralogist of the State of Nevada for the years 1877 and 1878: 70–71, San Francisco: 1879.
Young, G. J., A cave deposit: Econ. Geol. 10: 186–190, 1915.

BIG CREEK. Sb.

Ten miles south of Austin and on the west slope of the Toiyabe Range.
Shales and slates with thin beds of quartzite and limestone.
Veins.

Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 402, 413, 431, Govt. Printing Office, Washington: 1868.
Hill, J. M., Some mining districts in northeastern California and northwestern Nevada: U. S. Geol. Survey Bull. 594: 114–123, 1915.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 109, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 93–7 (Toiyabe Range), 1903.
Stretch, R. H., Nevada state mineralogist's report for 1866: 97, Carson City: 1867.
Stuart, E. E., Nevada's mineral resources: 127, Carson City: 1909.
Vanderburg, W. O., Reconnaissance of mining districts in Lander County, Nevada: U. S. Bur. Mines Inf. Circ. 7043: 35, 1939.
White, A. F., Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 44, Carson City: 1871.

BIG SMOKY (See BIRCH CREEK)

BIRCH CREEK. Au, Ag, Pb, Cu, Mo.
(Big Smoky, Smoky Valley)

Twelve miles south of Austin on the east flank of the Toiyabe Range.
Sedimentary rocks intruded by granodiorite.
Veins.

Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 402, 413–4, 431, Govt. Printing Office, Washington: 1868.
Emmons, S. F., Geology of the Toiyabe Range. Report of the geological exploration of the fortieth parallel (3): 332–34, 347, Govt. Printing Office, Washington: 1870.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 48 (tetrahedrite), 51 (arsenopyrite), 53 (molybdenite), 1941.
Hill, J. M., Some mining districts in northeastern California and northwestern Nevada: U. S. Geol. Survey Bull. 594: 114–121, 125–7, 1915.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 109–110, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 82–3, Govt. Printing Office, Washington: 1869.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 93–7 (Toiyabe Range), 1903.
Stretch, R. H., Nevada state mineralogist's report for 1866: 98, Carson City: 1867.
Vanderburg, W. O., Reconnaissance of mining districts in Lander County, Nevada: U. S. Bur. Mines Inf. Circ. 7043: 36, 1939.

BOBTOWN (See STEINER CANYON)

BUFFALO VALLEY. Au.
(Mill Canyon)

Seventeen miles south of Valmy, S. P. R. R., on the west slope of Battle Mountain Range.
Limestone and aplite.
Veins, replacements in limestone.
Vanderburg, W. O., Reconnaissance of mining districts in Lander County, Nevada: U. S. Bur. Mines Inf. Circ. 7043: 37, 1939.

BULLION. Ag, Au, Pb, Cu, As.
(Campbell, Lander, Tenabo)

Twenty-five miles southwest of Beowawe, S. P. R. R., on east slope of the Shoshone Range.
Paleozoic sediments capped by Tertiary volcanics.
Veins and placers.
Emmons, W. H., A reconnaissance of some mining camps in Elko, Lander, and Eureka counties, Nevada: U. S. Geol. Survey Bull. 408: 113–120, 1910.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 215, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 110–111, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Martin, A. H., The Lander mining district, Nevada: M. Science 61: 508–511, 1910.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 191, 192, 194, 197, 198, 1917.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 59, 1932.
Stuart, E. E., Nevada's mineral resources: 127, Carson City: 1909.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 104, 1936.
Reconnaissance of mining districts in Lander County, Nevada: U. S. Bur. Mines Inf. Circ. 7043: 39, 1939.

BULLION HILL (See CORTEZ)

BUNKER HILL (See KINGSTON)

CAMPBELL (See BULLION)

COPPER BASIN (See BATTLE MOUNTAIN)

COPPER CANYON (See BATTLE MOUNTAIN)

CORTEZ. Ag, Pb, Au, Cu, Zn.
(Bullion Hill, Mount Tenabo)

Thirty-six miles south of Beowawe, S. P. R. R., W. P. R. R.
Paleozoic sediments cut by granite and porphyries and capped by Tertiary volcanics.
Replacements, veins.

Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 405–11, Govt. Printing Office, Washington: 1868.
Emmons, W. H., A reconnaissance of some mining camps in Elko, Lander, and Eureka counties, Nevada: U. S. Geol. Survey Bull. 408: 41, 100–6, 1910.
Ferguson, H. G., The mining districts of Nevada: Econ. Geol. 24 (2): 145, 1929.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 48 (tetrahedrite), 54 (aurichalcite), 61 (pyromorphite), 62 (jarosite), 74 (hemimorphite), 86 (epsomite), 1941.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 210–11, 215, 1912.
Kirk, Edwin, The Eureka quartzite of the Great Basin region: Am. Jour. Sci., (5) 26 (151): 32, 1933.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 86–87, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 81–2, 96–8, Govt. Printing Office, Washington: 1869.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1870), 115–119, Govt. Printing Office, Washington: 1871.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 195, 1917.
Stretch, R. H., Nevada state mineralogist's report for 1866: 98, 101–2, Carson City: 1867.
Vanderburg, W. O., Reconnaissance of mining districts in Eureka County, Nevada: U. S. Bur. Mines Inf. Circ. 7022: 22, 1938.
White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 44, Carson City: 1869.
Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 66–7, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 47, Carson City: 1873.

COTTONWOOD CREEK (See BATTLE MOUNTAIN)

DEAN (See LEWIS)

GALENA (See BATTLE MOUNTAIN)

GOLD BASIN. Au, Ag.

At Carroll, on Churchill County border.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 111, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

HILLTOP. Cu, Pb, Au, Ag.
(Kimberly, Mayesville)

Eighteen miles southeast of Battle Mountain, S. P. R. R., W. P. R. R.
Paleozoic sediments cut by diorite and andesite.
Veins.
Carpenter, J. A., Kimberly, Nevada: Min. & Sci. Press 100: 482–3, 1910.

Emmons, W. H., A reconnaissance of some mining camps in Elko, Lander, and Eureka counties, Nevada: U. S. Geol. Survey Bull. 408: 120–1, 1910.
Gianella, V. P., Barite deposits of northern Nevada: A. I. M. E. Min. Tech. (4): 1940; A. I. M. E. Tech. Pub. No. 1200.
Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 53 (chalcopyrite), 58 (cuprite), 72 (rhodochrosite), 1941.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 216, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 111–112, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 193, 194, 1917.
Vanderburg, W. O., Reconnaissance of mining districts in Lander County, Nevada: U. S. Bur. Mines Inf. Circ. 7043: 47, 1939.

HORSE CANYON. Au.

Near McCoy, 30 miles south southwest of Battle Mountain, S. P. R. R., W. P. R. R.
Diorite and limestone.
Veins.
Schrader, F. C., The McCoy mining district and gold veins in Horse Canyon, Lander County, Nevada: U. S. Geol. Survey Circ. 10: 1934.

IOWA CANYON. Au.

Sixteen miles north of Austin.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 60, 1932.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 110, 1936.

IZENHOOD. Sn.

Twenty miles north of Battle Mountain, in the Sheep Creek Range.
Fries, Carl, Jr., Tin deposits of northern Lander County, Nevada: U. S. Geol. Survey Bull. 931: 279–294, 1942.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 42 (cassiterite), 1941.
Knopf, Adolph, Tin ore in northern Lander County, Nevada: U. S. Geol. Survey Bull. 640: 125–138, 1916.
Vanderburg, W. O., Reconnaissance of mining districts in Lander County, Nevada: U. S. Bur. Mines Inf. Circ. 7043: 54, 1939.

KIMBERLY (See HILLTOP)

KINGSTON. Au, Ag.
(Bunker Hill, Santa Fe, Summit, Victorine)

Twenty-four miles south of Austin, on the west flank of Toiyabe Range.
Limestone interbedded with shales and slate.
Veins.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 112–113, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Vanderburg, W. O., Reconnaissance of mining districts in Lander County, Nevada: U. S. Bur. Mines Inf. Circ. 7043: 57, 1939.

LANDER (See BULLION)

LEWIS. Ag, Au.
(Dean, Pittsburg)

Fourteen miles southeast of Battle Mountain, S. P. R. R., W. P. R. R.
Paleozoic sediments cut by granite and andesite.
Veins.
Emmons, W. H., A reconnaissance of some mining camps in Elko, Lander, and Eureka counties, Nevada: U. S. Geol. Survey Bull. 408: 122–6, 1910.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 47 (stephanite), 58 (pyrargyrite), 1941.
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Palmer, W. S., Nevada's newest silver producer, the Betty O'Neil mine: Eng. & Min. Jour. Press. 117: 449–452, 1924.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 191, 192, 1917.
Stuart, E. E., Nevada's mineral resources: 127, Carson City: 1909.
Vanderburg, W. O., Reconnaissance of mining districts in Lander County, Nevada: U. S. Bur. Mines Inf. Circ. 7043: 59, 1939.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 76, Carson City: 1877.

MAYESVILLE (See HILLTOP)

McCOY. Au.

Thirty miles south-southwest of Battle Mountain.
Diorite and limestone.
Veins.
Schrader, F. C., The McCoy mining district and gold veins in Horse Canyon, Lander County, Nevada: U. S. Geol. Survey Circ. 10: 13, 1934.
Vanderburg, W. O., Reconnaissance of mining districts in Lander County, Nevada: U. S. Bur. Mines Inf. Circ. 7043: 64, 1939.

MILL CANYON (See BUFFALO VALLEY)

MOUNT TENABO (See CORTEZ)

MUD SPRINGS. Au.

Twenty miles southeast of Battle Mountain.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4) 110: 1936.

NEW PASS. Au.

Twenty-seven miles west of Austin, on border of Churchill County.
Limestone, porphyry, and gabbro.
Veins.
Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 420, 431, Govt. Printing Office, Washington: 1868.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 114, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Raymond, R. W., Mineral resources of the states and territories of the Rocky Mountains: (for 1868), 76–7, Govt. Printing Office, Washington: 1869.

Stuart, E. E., Nevada's mineral resources: 127, Carson City: 1909.
White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 87–8, Carson City: 1869.
Vanderburg, W. O., Reconnaissance of mining districts in Lander County, Nevada: U. S. Bur. Mines Inf. Circ. 7043: 65, 1939.

PITTSBURG (See LEWIS)

RAVENSWOOD. Ag, Au, Cu, Pb.
(Shoshone)

Twenty miles north-northwest of Austin, seven miles west old Silver Creek siding.
Cambrian shales, quartzites, and limestones.
Veins.

Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 413, Govt. Printing Office, Washington: 1868.
Hill, J. M., Notes on mining districts in eastern Nevada: U. S. Geol. Survey Bull. 648: 25, 28, 32, 36, 39, 42, 105–113, 1916.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 114, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 98–9 (Reese River Range), (Shoshone), 1903.
Vanderburg, W. O., Reconnaissance of mining districts in Lander County, Nevada: U. S. Bur. Mines Inf. Circ. 7043: 67, 1939.
White, A. F., Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 44, Carson City: 1871.

REESE RIVER. Ag, Au, Pb, Cu, Zn, As.
(Amador, Austin, Yankee Blade)

Near Austin in the Toiyabe Range.
Paleozoic sediments cut by granite and capped by Tertiary volcanics.
Veins.

Browne, J. R., and Taylor, J. W., Reports on the mineral resources of the United States: (for 1866), 33, 84, 128–130, 246–7, Govt. Printing Office, Washington: 1867.
Reports on the mineral resources of the United States: (for 1867), 395–403, 430–31, Govt. Printing Office, Washington: 1868.
Ferguson, H. G., The mining districts of Nevada: Econ. Geol. 24 (2): 115, 1929.
Gianella, V. P., Barite deposits of northern Nevada: A. I. M. E. Min. Tech. 4 (4): 1940. A. I. M. E. Tech. Pub. No. 1200.
Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 47 (stephanite), 50 (graphite), 51 (arsenopyrite), 55 (turquoise), 56 (cerargyrite), 58 (pyrargyrite, proustite), 72 (rhodochrosite), 1941.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 216, 1912.
Some mining districts in northeastern California and northwestern Nevada: U. S. Geol. Survey Bull. 594: 216, 1915.
King, Clarence, Emmons, S. F., and Hague, Arnold, Report of the geological exploration of the fortieth parallel (2): 627–9; (3) 320–322, 347–393, Govt. Printing Office, Washington: 1870.

Lee, W. T., Stone, R. W., Gale, H. S., and others, Guidebook of the western United States, Part B, The Overland Route: U. S. Geol. Survey Bull. 612: 170, 1915.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 114–117, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Martin, A. H., The Lander mining district, Nevada: Min. Science 61: 508–511, 1910.
Merritt, C. A., A microscopic study of the ores of Austin, Nevada: Chicago Univ., (Abstracts of theses), Sci. ser., 7, 235–238: 1931.
Penrose, R. A. F., Jr., Manganese, its uses, ores, and deposits: Ann. Rept. of the Geol. Survey of Ark. for 1890, 1: 476–7, 1891.
Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 77–80, 96–8, Govt. Printing Office, Washington: 1869.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1869), 118, 128–140, 733–740, Govt. Printing Office, Washington: 1870.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1870), 111–14, Govt. Printing Office, Washington: 1871.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1871), 141, 167–171, 181, Govt. Printing Office, Washington: 1872.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1873), 193, Govt. Printing Office, Washington: 1874.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 171–2, 189, 446–451, Govt. Printing Office, Washington: 1876.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 198, 199, 1917.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 93–7, 1903.
Stretch, R. H., Nevada state mineralogist's report for 1866: 97, 99–101, Carson City: 1867.
Stuart, E. E., Nevada's mineral resources: 127, 128, Carson City: 1909.
Taylor, N. B., A study of ores from Austin, Nevada: School of Mines Quarterly 34: 32–9, 1912.
Vanderburg, W. O., Reconnaissance of mining districts in Lander County, Nevada: U. S. Bur. Mines Inf. Circ. 7043: 68, 1939.
White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 44–47, Carson City: 1869.
Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 37, 44, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 60–65, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 55–60, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 71–6, Carson City: 1877.

ROCK CREEK (See BATEMAN CANYON)

ROCKY CANYON (See BATTLE MOUNTAIN)

SANTA FE (See KINGSTON)

SHOSHONE (See RAVENSWOOD)

SKOOKUM. Ag, Au.

Nine miles northwest of Austin.
Paleozoic sediments cut by granite.
Veins, contact metamorphic.

Emmons, S. F., From Reese River to Osobb Valley. Report of the geological exploration of the fortieth parallel (2): 641–3, Govt. Printing Office, Washington: 1870.

Higgins, W. C., Skookum, Nevada's new chloride camp: Salt Lake Min. Rev. 10: 17–21, 1908.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 216, 1912.

Some mining districts in northeastern California and northwestern Nevada: U. S. Geol. Survey Bull. 594: 92–5, 1915.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 117, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 198, 1917.

Vanderburg, W. O., Reconnaissance of mining districts in Lander County, Nevada: U. S. Bur. Mines Inf. Circ. 7043: 79, 1939.

SLAVIN CANYON (See VALLEY VIEW)

SMOKY VALLEY (See BIRCH CREEK)

STEINER CANYON. Au.
(Bobtown)

About 40 miles north of Austin, near Bobtown.

Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 58, 1932.

Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 103, 1936.

SUMMIT (See KINGSTON)

TENABO (See BULLION)

VALLEY VIEW
(Slavin Canyon)

Eighteen miles northeast of Austin, on the east slope of the Toiyabe Range.

Gianella, V. P., Barite deposits of northern Nevada: A. I. M. E. Min. Tech. 4 (4): 296, 1940. A. I. M. E. Tech. Pub. No. 1200.

VICTORINE (See KINGSTON)

WASHINGTON. Ag.

Thirty-five miles south-southwest of Austin, on the west slope of the Toiyabe Range.

Vanderburg, W. O., Reconnaissance of mining districts in Lander County, Nevada: U. S. Bur. Mines Inf. Circ. 7043: 81, 1939.

WILD HORSE. Hg.

Thirty-five miles northwest of Austin.

Dane, C. H., and Ross, C. P., The Wild Horse quicksilver district, Lander County, Nevada: Dept. Int. Press 153249: August 12, 1941.

The Wild Horse quicksilver district, Lander County, Nevada: U. S. Geol. Survey Bull. 931-J: 259–278, 1942.

YANKEE BLADE (See REESE RIVER)

LINCOLN COUNTY

ATLANTA. Ag, Au, Cu, Pb, Ra.
(Silver Park, Silver Springs)

About 40 miles northwest of Pioche, U. P. R. R.
Quartzites and limestones overlain by Tertiary volcanics.
Veins.

Abbott, J. W., Present conditions at Pioche, Nevada: Min. & Sci. Press 109: 486, 1914.
Pioche, Nevada: Min. & Sci. Press 95: 176–9, 1907.
Hewett, D. F., Carnotite in southern Nevada: Eng. & Min. Jour. Press 115 (5): 234, 1923.
Hill, J. M., Notes on mining districts in eastern Nevada: U. S. Geol. Survey Bull. 648: 33, 38, 39, 114–120, 1916.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 118, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Meyer, P. W., Developments at Atlanta, Nevada: Eng. & Min. Jour. 99: 541–2, 1915.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 61, 1936.
Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1869), 143, Govt. Printing Office, Washington: 1870.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 191, 1917.
Stuart, E. E., Nevada's mineral resources: 136, Carson City: 1909.
White, A. F., Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 97, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 111, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 76, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 172, Carson City: 1877.

BOYD

Fourteen miles south of Caliente, in Rainbow Canyon.

Callaghan, Eugene, Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 145 (alunite), 174 (clay), 1936.

BRISTOL (See JACKRABBIT)

CALIENTE (See CHIEF)

CAVE VALLEY (See PATTERSON)

CHIEF. Au, Ag, Cu, Pb.
(Caliente)

Eight miles north-northwest of Caliente, U. P. R. R.
Paleozoic sediments cut by basic dikes.
Veins.

Callaghan, Eugene, Geology of the Chief district, Lincoln County, Nevada: Univ. Nev. Bull. 30 (2): 1936.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 216–7, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 118–119, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Nolan, T. B., and Hewett, D. F., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 61, 1936.
Raymond, R. W., Mining industry of states and territories of the Rocky Mountains: (for 1872), 186, Govt. Printing Office, Washington: 1873.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.
Spurr, J. E., Geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 37–48, 1903.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 98, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 92, Carson City: 1875.

COMET. Au, Ag, Pb, Cu, Zn, W.

Fourteen miles southwest of Pioche, U. P. R. R.
Paleozoic sediments cut by porphyry.
Veins, replacements.

Anderson, J. C., Ore deposits of the Pioche district, Nevada: Eng. & Min. Jour. 113: 281, 282, 1922.
Deiss, Charles, Cambrian formations and sections in part of Cordilleran Trough: Geol. Soc. Am. Bull. 49 (7): 1147–1161, 1938.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 217, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 119, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 61, 1936.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 195, 1917.
Spurr, J. E., Geology of Nevada south of the fortieth parallel, and adjacent portions of California: U. S. Geol. Survey Bull. 208: 151–152, 1903.
Wheeler, H. E., and Lemmon, D. M., Cambrian formations of the Eureka and Pioche districts, Nevada: Univ. Nev. Bull. 33 (3), Geol. and Min. ser. (31): 34, 35, 36, 37, 39, 40, 45, 1939.
Wheeler, H. E., Revisions in the Cambrian stratigraphy of the Pioche district, Nevada: Univ. of Nev. Bull. 34 (8), Geol. and Min. ser. (34): 9, 17, 19, 22, 27, 28, 29, 39, 1940.

DELAMAR (See FERGUSON)

EAGLE VALLEY. Au, Ag, Pb.
(Fay, Stateline)

Twenty-one miles northwest of Modena, Utah, U. P. R. R.
Tertiary volcanics.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 217, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 119, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 62, 1936.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.

ELY (See PIOCHE)

FAIRVIEW (See SILVERHORN)

FAY (See EAGLE VALLEY)

FERGUSON. Au, Ag.
(Delamar)

Thirty miles west-southwest of Caliente, U. P. R. R.
Paleozoic quartzite cut by basic dikes.
Veins, replacements.

Callaghan, Eugene, Geology of the Delamar district, Lincoln County, Nevada: Univ. Nev. Bull. 31 (5): 1937.
Emmons, S. F., The Delamar and Horn Silver mines: A. I. M. E. Trans. 31: 658–675, 1902.
Ferguson, H. G., The mining districts of Nevada: Econ. Geol. 24 (2): 115, 1929.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 217: 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 119–120, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Miller, G. W., The De Lamar mines, Lincoln County, Nevada: Min. Sci. 58: 347–8, 1908.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 62, 1936.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.

FREIBERG. Au, Ag, Pb.
(Worthington)

Seventy-five miles west of Pioche, U. P. R. R.
Rhyolite.
Veins.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 217, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 120, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 62, 1936.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 76–7 (Worthington Mountains), 1903.
Stretch, R. H., Nevada state mineralogist's report for 1866: 64, Carson City: 1867.

Wheeler, G. M., Capt., United States geographical surveys west of the 100th meridian (3): 37, Govt. Printing Office, Washington: 1875.
White, A. F., Report of the mineralogist of the state of Nevada for the years 1869 and 1870: 100–101, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 113, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 78, Carson City: 1875.

GEYSER (See PATTERSON)

GROOM. Pb, Ag.

Eighty-five miles southwest of Caliente, 100 miles north of Las Vegas, U. P. R. R.
Limestones and shales.

Carpenter, J. A., Mineral resources of southern Nevada: Nev. State Bur. of Mines Bull. 1 (1): 21, 1929.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 121, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Longwell, C. E., Structural studies in southern Nevada: Geol. Soc. Am. Bull. 37 (3): 556, 1926.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 63, 1936.
White, A. F., Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 101, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 97, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 66, Carson City: 1875.

HIGHLAND. Pb, Ag, Au, Cu.

Seven miles north-northwest of Pioche, U. P. R. R.
Paleozoic sediments cut by dikes.
Veins, replacements.

Deiss, Charles, Cambrian formations and sections in part of Cordilleran Trough: Geol. Soc. Am. Bull. 49 (7): 1069, 1147–1161, 1162, 1164, 1938.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 63, 1936.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 195, 1917.
Spurr, J. E., Geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 38–47, 1903.
Westgate, L. G., and Knopf, Adolph, Geology and ore deposits of the Pioche district, Nevada: U. S. Geol. Survey Prof. Paper 171: 73–75, 1932.
Wheeler, H. E., and Lemmon, D. M., Cambrian formations of the Eureka and Pioche districts, Nevada: Univ. Nev. Bull. 33 (3), Geol. and Min. ser. (31): 34, 35, 36, 37, 39, 40, 45, 1939.
Wheeler, H. E., Revisions in the Cambrian stratigraphy of the Pioche district, Nevada: Univ. of Nev. Bull. 34 (8), Geol. and Min. ser. (34): 9, 17, 19, 22, 27, 28, 29, 39, 1940.

HIKO (See PAHRANAGAT)

JACK RABBIT. Ag, Pb, Au, Cu, Mn.
(Bristol)

Sixteen to twenty miles northwest of Pioche, U. P. R. R.
Paleozoic sediments cut by rhyolite.
Replacements, veins.

Anderson, J. C., Ore deposits of the Pioche district, Nevada: Eng. & Min. Jour. 133: 279–285, 1922.
Carpenter, J. A., Mineral resources of southern Nevada: Nev. State Bur. Mines Bull. 1 (1): 20, November, 1929.
Ferguson, H. G., The mining districts of Nevada: Econ. Geol. 2 (2): 45, March-April, 1929.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 54 (aurichalcite), 78 (zeolites), 81 (aragonite), 1941.
Gillson, J. L., Conichalcite from the Bristol mine, Lincoln County, Nevada: Am. Miner. 11 (5): 109–114, 1926.
Goodale, S. L., The Bristol mines: Mines and Minerals 30: 507–9, 1910.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 216, 218, 1912.
Notes on mining districts in eastern Nevada: U. S. Geol. Survey Bull. 648: 24–6, 34, 39, 40, 41, 42, 124–137, 1916.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 121–23, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 64 (silver-lead-copper), 86 (manganese), 1936.
Pardee, J. T., and Jones, E. L., Jr., Deposits of manganese ore in Nevada: U. S. Geol. Survey Bull. 710F: 221, 1920.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 198, 1917.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 46, 1903.
Stuart, E. E., Nevada's mineral resources: 133, Carson City: 1909.
Westgate, L. G., and Knopf, Adolph, Geology and ore deposits of the Pioche district, Nevada: U. S. Geol. Survey Prof. Paper 171: 67, 1932.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 111–2, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 78, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 92, Carson City: 1877.
Biennial report of the state mineralogist of the State of Nevada for the years 1877 and 1878: 77, Carson City: 1879.

LONE MOUNTAIN. Ag, Pb.

Sixteen miles west of Pioche, U. P. R. R.
Paleozoic sediments.
Veins, replacements.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 198, 1917.

PAHRANAGAT. Ag, Pb, Cu.
(Hiko)

Sixty miles west of Caliente, U. P. R. R.
Paleozoic sediments.
Veins.

Browne, J. R., Reports upon the mineral resources of the United States: (for 1867), 215, 339–340, 402, 426–29, 666–670, Govt. Printing Office, Washington: 1868.
Browne, J. R., and Taylor, J. W., Reports upon the mineral resources of the United States: (for 1866), 33, Govt. Printing Office, Washington: 1868.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 217, 1912.
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Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 63, 1936.
Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 112–15, Govt. Printing Office, Washington: 1869.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1869), 194–201, Govt. Printing Office, Washington: 1870.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1870), 174, Govt. Printing Office, Washington: 1871.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1873), 233, Govt. Printing Office, Washington: 1874.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 198, 1917.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 152–3, 1903.
Stretch, R. H., Annual report of the state mineralogist of the State of Nevada: (for 1866), 64–65, Carson City: 1867.
White, A. F., Report of the state mineralogist of Nevada for 1867 and 1868: 80–85, Carson City: 1869.

PANACA

Fifteen miles south of Pioche and fourteen miles north of Caliente.

Callaghan, Eugene, Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 178 (volcanic ash), 180 (diatomite), 1936.

PATTERSON. Au, Pb.
(Cave Valley, Geyser)

Fifty miles south-southeast of Ely, N. N. R. R.; forty-five miles north of Pioche, U. P. R. R.
Cambrian quartzites, limestones and shales.
Veins, replacements.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 218, 1912.
Notes on mining districts in eastern Nevada: U. S. Geol. Survey Bull. 648: 34, 40, 42, 120–4, 1916.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 123–124, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 64, 1936.

Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1869), 178–9, Govt. Printing Office, Washington: 1870.

Schrader, F. C., Notes on ore deposits at Cave Valley, Patterson district, Lincoln County, Nevada: Univ. Nev. Bull. 25 (3): 1931.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 198, 1917.

Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 40, 1903.

White, A. F., Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 93–4, Carson City: 1871.

Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 78, Carson City: 1875.

PIOCHE. Ag, Pb, Au, Cu, Zn, Mn, W.
(Ely)

Station, U. P. R. R.

Paleozoic sediments cut by dikes of quartz porphyry and diorite.

Replacements, veins.

Anderson, J. C., Ore deposits of the Pioche district, Nevada: Eng. & Min. Jour. 113: 279–285, 1922.

Carpenter, J. A., Mineral resources of southern Nevada: Nev. State Bur. of Mines Bull. 1 (1): 19–21, 1929.

Deiss, Charles, Cambrian formations and sections in part of Cordilleran Trough: Geol. Soc. Am. Bull. 49 (7): 1147–1161, 1938.

Ferguson, H. G., The mining districts of Nevada: Econ. Geol. 24 (2): 115, 1929.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 50 (graphite), 1941.

Gillson, J. L., Petrography of the Pioche district: U. S. Geol. Survey Prof. Paper 158-D: 77–86, 1930.

Harder, E. C., Manganese deposits of the United States: U. S. Geol. Survey Bull. 380: 153, 157, 1909.

Jessup, D. W., Ore deposits of the Prince Consolidated mines: Min. & Sci. Press 106: 773–5, 1913.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 124–127, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Maynard, G. W., The ore deposits of Pioche, Nevada: Eng. & Min. Jour. 51: 171–2, 1891.

Nolan, T. B., and Hewett, D. F., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 64 (lead-silver), 86 (siderite), 90 (tungsten), 1936.

Pack, F. J., Geology of Pioche, Nevada, and vicinity: School of Mines Quarterly 27: (Columbia University) 365–386, 1906.

Pardee, J. T., and Jones, E. L., Jr., Deposits of manganese ore in Nevada: U. S. Geol. Survey Bull. 620: 211, 1920.

Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1869), 143, Govt. Printing Office, Washington: 1870.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1870), 2, 164–8, Govt. Printing Office, Washington: 1868.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1871), 141, 223–249, Govt. Printing Office, Washington: 1872.

Mining industry of the states and territories of the Rocky Mountains: (for 1872), 176–186, Govt. Printing Office, Washington: 1873.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1873), 233–242, Govt. Printing Office, Washington: 1874.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 284–303, Govt. Printing Office, Washington: 1875.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 195–202, 268, 415, Govt. Printing Office, Washington: 1876.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 198, 199, 200, 1917.

Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 38–47 (Schell Creek and Highland Ranges), 1903.

Stuart, E. E., Nevada's mineral resources: 131–2, Carson City: 1909.

Umpleby, J. B., Manganese fluxing ore at Pioche, Nevada: Eng. & Min. Jour. 104: 760, 1917.

Walcott, C. D., Second contribution to the studies on the Cambrian faunas of North America: U. S. Geol. Survey Bull. 30: 35, 36, 1886.

Westgate, L. G., and Knopf, Adolph, Geology of Pioche, Nevada, and vicinity: A. I. M. E. Trans. 75: 13, 1927.

Geology and ore deposits of the Pioche district, Nevada: U. S. Geol. Survey Prof. Paper 171: 1932.

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Wheeler, H. E., Revision in the Cambrian stratigraphy of the Pioche district, Nevada: Univ. Nev. Bull. 34 (8), Geol. and Min. Ser. (34): 1940.

Wheeler, H. E., and Lemmon, D. M., Cambrian formations of the Eureka and Pioche districts, Nevada: Univ. Nev. Bull. 33 (3), Geol. and Min. Ser. (31): 1939.

White, A. F., Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 101–3, Carson City: 1871.

Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 81–94, 97, Carson City: 1873.

Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 65–6, Carson City: 1875.

Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 88–9, 92, Carson City: 1877.

Biennial report of the state mineralogist of the State of Nevada for the years 1877 and 1878: 73–7, San Francisco: 1879.

Wiltsee, Ernest, Notes on the geology of the Half-Moon mine, Pioche, Nevada: A. I. M. E. Trans. 21: 867–871, 1893.

Zalinski, E. R., Ore occurrence at Prince Consolidated: Eng. & Min. Jour. 95: 809–812, 1913.

SILVERHORN. Ag, Ni.
(Fairview)

Twenty-three miles northwest of Pioche, U. P. R. R.
Limestones and shales cut by acid dikes.
Replacements.

Anderson, J. C., Ore deposits of the Pioche district, Nevada: Eng. & Min. Jour. 113: 281, 284, 1922.
Crampton, T. H. M., The Silver Horn district, near Pioche, Nevada: Min. & Sci. Press 122: 883–4, 1921.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 127–28, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Marriage, E. C. D., A method of determining nickel in Silverhorn ores: Eng. & Min. Jour. 112: 174, 1921.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 62, 1936.
Westgate, L. G., and Knopf, Adolph, Geology and ore deposits of the Pioche district, Nevada: U. S. Geol. Survey Prof. Paper 171: 68, 1932.

SILVER PARK (See ATLANTA)

SILVER SPRINGS (See ATLANTA)

STATELINE (See EAGLE VALLEY)

TEM PIUTE. Ag, Pb, Cu, Zn, W.

In Timpahute Mountains, western Lincoln County.
Paleozoic shales and limestone.
Lodes.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 128, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 65, 1936.
Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1869), 201, Govt. Printing Office, Washington: 1870.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1870), 174, Govt. Printing Office, Washington: 1871.
White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 85, Carson City: 1863.
Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 99–100, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 113–114, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 75–6, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1877 and 1878: 78–9, San Francisco: 1879.

VIGO. Mn.

Twenty-four miles east of Vigo, U. P. R. R., in Mormon Range.

Pardee, J. T., and Jones, E. L., Jr., Deposits of manganese ore in Nevada: U. S. Geol. and Survey Bull. 710: 241–242, 1920.

VIOLA. Pb, Zn, Cu, Ag.

One-fourth mile southeast of Carp, U. P. R. R., in Mormon Range.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 128, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 65, 1936.

WORTHINGTON (See FREIBURG)

LYON COUNTY

GENERAL REFERENCE

Anderson, Robert, Two areas of oil prospecting in Lyon County, western Nevada: U. S. Geol. Survey Bull. 381: 490–493, 1910.

CHINATOWN (See SILVER CITY)

CHURCHILL. W.

On southwest slope of Churchill Butte, four miles northwest of Weeks.

Hess, F. L., and Larsen, E. S., Contact metamorphic tungsten deposits of the United States: U. S. Geol. Survey Bull. 725: 281–282, 1922.

COMO (See PALMYRA)

DAYTON (See SILVER CITY)

DEVIL'S GATE (See SILVER CITY)

ELDORADO. Lignite.

On Eldorado Canyon, six miles south of Dayton.

Tertiary sediments.

Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 313, Govt. Printing Office, Washington: 1868.

King, Clarence, Mining districts. Report of the geological exploration of the fortieth parallel (3): 13, 19–20, Govt. Printing Office, Washington: 1870.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 129, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Muller, S. W., and Ferguson, H. G., Mesozoic stratigraphy of the Hawthorne and Tonopah quadrangles, Nevada: Geol. Soc. Am. Bull. 50 (10): 1608, 1612, 1939.

Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 120–123, 1903.

Stretch, R. H., Nevada state mineralogist's report for 1866: 18, Carson City: 1867.

White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 20, 88, Carson City: 1869.

Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 62, Carson City: 1875.

Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 95, Carson City: 1877.

GOLD CANYON (See SILVER CITY)

INDIAN SPRINGS (See PALMYRA)

LUDWIG (See YERINGTON)

MASON (See YERINGTON)

MOUND HOUSE. Gypsum.

On the southeastern slope of the Virginia Range, six miles northeast of Carson City via U. S. Highway 50.

Triassic sediments, meta-andesite and granodiorite.

Jones, J. C., Gypsum deposits of the United States: U. S. Geol. Survey Bull. 697: 150–153 (Nevada), 1920.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 129–130, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Louderback, G. D., Gypsum deposits in Nevada: U. S. Geol. Survey Bull. 223: 112–118, 1904.

Rogers, A. F., Sericite, a low-temperature hydrothermal mineral: Econ. Geol. 11: 142–144, 1916.

Stuart, E. E., Nevada's mineral resources: 8, 141–142, Carson City: 1909.

PALMYRA. Au, Ag.
(Como, Indian Springs)

In the north-central portion of the Pine Nut Range, three miles north of Lyon Peak and 10 miles southeast of Dayton.

Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 328, Govt. Printing Office, Washington: 1868.

Cutler, H. C., Como, Nevada: Min. & Sci. Press 104: 539–540, 1912.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 58 (pyrargyrite), 58 (proustite), 1941.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 130, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Stretch, R. H., Nevada state mineralogist's report for 1866: 27, Carson City: 1867.

White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 88, Carson City: 1869.

PINE GROVE. Au, Ag.
(Rockland, Wilson)

On the east slope of the Pine Grove Hills, 23 miles south of Yerington.

Quartz monzonite intruded by granitic dikes and overlain by Tertiary volcanics.

Veins and placer deposits.

Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 336–7, Govt. Printing Office, Washington: 1868.

Ferguson, H. G., The mining districts of Nevada: Econ. Geol. 24 (2): 115, 1929.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 209, 1912.

Some mining districts in northeastern California and northwestern Nevada: U. S. Geol. Survey Bull. 594: 133–140, 1915.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 148–149, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 116–7, Govt. Printing Office, Washington: 1869.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1871), 141, Govt. Printing Office, Washington: 1872.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 63, 1932.
Stretch, R. H., Nevada state mineralogist's report for 1866: 40, Carson City: 1867.
Stuart, E. E., Nevada's mineral resources: 46, Carson City: 1909.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 120, 1936.
White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 89–91, Carson City: 1869.
Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 109, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 32–4, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 24, Carson City: 1875.

RAMSEY. Au, Ag.

On the southeast flank of the Virginia Range on the boundary line between Lyon and Storey Counties, 20 miles northeast of Dayton.

Tertiary volcanics.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 218, 1912.
Notes on the economic geology of the Ramsey, Talapoosa, and White Horse mining districts in Lyon and Washoe Counties, Nevada: U. S. Geol. Survey Bull. 470: 89–104, 106–7, 1912.
Lee, W. T., Stone, R. W., Gale, H. S., and others, Guidebook of the western United States, Part B, The Overland Route: U. S. Geol. Survey Bull. 612: 187, 1915.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 130–131, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.
Stuart, E. E., Nevada's mineral resources: 7, 142, Carson City: 1909.

RED MOUNTAIN. Fe.

On the southeast slope of the Virginia Range and on the boundary line between Lyon and Storey Counties, 12 miles northeast of Dayton.

Triassic sediments intruded by granite.

Harder, E. C., Iron ores near Dayton, Nevada: U. S. Geol. Survey Bull. 430: 240–246, 1910.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 218–19, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 274, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 191, 195, 1917.

ROCKLAND (See PINE GROVE)

SILVER CITY. Au, Ag, Mo.

(Chinatown, Dayton, Devil's Gate, Gold Canyon)

On the southeast slope of the Virginia Range, nine miles northeast of Carson City.

Tertiary andesites and rhyolites.

Vein and placer deposits.

Becker, G. F., Geology of the Comstock Lode and the Washoe district with atlas: U. S. Geol. Survey Mon. 3: 2, 4, 13, 16, 21, 28, 43, 106, 107–108, 110, 123, 134, 155, 190–191, 195–196, 201, 269, 382–383, 406: 1882.
The Washoe Rocks: Calif. Acad. Sci. 2: 112–113, 1886.
De Quille, Dan (William Wright), History of the big bonanza: Hartford, Conn., San Francisco, California: 1876.
A history of the Comstock silver lode and mines: 32–34, 101–102, F. Boegle, Virginia City, Nevada: 1889.
Ferguson, H. G., Mining districts of Nevada: Econ. Geol. 24 (2): 115, 1929.
Gianella, V. P., Middle California and western Nevada: Internat. Geol. Cong. XVI, United States, 1933, Guidebook 16, Excursion C-1, 108–116 (Itinerary Reno to Walley Hot Springs and return), Washington: 1933.
Geology of the Silver City district and the southern portion of the Comstock Lode, Nevada: Univ. Nev. Bull. 30 (9): 108, 1936.
Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 53 (molybdenite), 1941.
Harder, E. C., Iron ores near Dayton, Nevada: U. S. Geol. Survey Bull. 430: 240, 246, 1910.
Hershey, O. H., Modern geology of the Comstock: Western Mining News: 1: (6) 13–14, 1934. 2: (6) 13–15, 1934. 2: (7) 10–12, 1934. 2: (8) 19, 20, 30, 1934.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 219, 1912.
King, Clarence, The Comstock Lode: Mining Industry. Report of the geological exploration of the fortieth parallel (3): 16, 21, 28, 29, 189, Govt. Printing Office, Washington: 1870.
Systematic Geology, Report of the geological exploration of the fortieth parallel (1): 550, Govt. Printing Office, Washington: 1878.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 131–132, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Lord, Eliot, Comstock mining and miners: U. S. Geol. Survey Mon. 4: 12, 19, 34, 1883.
Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1871), 141, Govt. Printing Office, Washington: 1872.
Reid, J. A., The structure and genesis of the Comstock Lode: Univ. Calif. Publ. Bull. Dept. Geol., 4 (10): 177–199, 1905.
Richthofen, F. von, The Comstock Lode; its character and probable mode of continuance at depth: San Francisco, 1865. Published by the Sutro Tunnel Company in the Sutro Tunnel, etc., John Murphy & Co., Baltimore, Md.: 1868.
Russell, I. C., Geological history of Lake Lahontan: U. S. Geol. Survey Mon. 11: 33, 37, 43–44, 137, 1885.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 191, 194, 195, 1917.
Smith, A. M., The mines and mills of Silver City, Nevada: Univ. Nev. Bull. 26 (5): 26, 1932.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 60, 1932.
Stretch, R. H., Nevada state mineralogist's report for 1866: 26, Carson City: 1867.
Stuart, E. E., Nevada's mineral resources: 139, Carson City: 1909.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 111–112, 1936.
White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 88, Carson City: 1869.
Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 14, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 101–2, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 62–5, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1877 and 1878: 80, San Francisco: 1879.

TALAPOOSA. Au, Ag, Cu.

On the south slope of the east extension of the Virginia Range, 11 miles south of Fernley.
Veins in Tertiary volcanics.

Hill, J. M., Notes on the economic geology of the Ramsey, Talapoosa, and White Horse mining districts in Lyon and Washoe counties, Nevada: U. S. Geol. Survey Bull. 470: 99–104, 108, 1911.
The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 219, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 132–133, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.

WASHINGTON. Cu, Au, Ag, Lignite.

In the Pine Grove Hills in the vicinity of Wichman, 30 miles south of Yerington.

Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 337, 431, Govt. Printing Office, Washington: 1868.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 157, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 91, Carson City: 1869.
Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 109, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 43, Carson City: 1873.

WILSON (See PINE GROVE)

YERINGTON. Cu, Pb, Au, Ag, Gypsum.
(Ludwig, Mason)

The central portion of the Singatse Range, four miles southwest of Yerington.
Triassic sediments and granitic intrusions.
Contact metamorphic and placer deposits.

Emmons, W. H., Geology and ore deposits of the Yerington district, Nevada: (Review by) Eng. & Min. Jour. 107: 1079–1080, 1919.
Ferguson, H. G., Mining districts of Nevada: Econ. Geol. 24 (2): 115, 1929.
Gaby, W. E., The Yerington district, Nevada: Min. & Sci. Press 118: 625–626, 1919.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 55 (turquoise), 62 (orpiment), 68 (chalcanthite), 72 (axinite), 85 (gypsum), 1941.
Goodale, F. A., Yerington Buckskin copper district, Nevada: Colo. S. of M. Mag. 1: 3–8, 1911.
Hodges, A. D., Jr., Note on an occurrence of nickel and cobalt in Nevada: A. I. M. E. Trans. 13: 657–658, (Carter's copper mine, near Mason Valley), 1885.
Jennings, E. P., Genesis of the copper deposits of Yerington, Nevada: Eng. & Min. Jour. 83: 1143–4, 1907; Canadian Min. Jour. 28: 365–6, 1907.
Secondary copper ores of the Ludwig mine, Yerington, Nevada: Canadian M. Inst. Jour. 11: 463–6, 1908.
The location of ore bodies and the occurrence of shoots in metalliferous deposits: Econ. Geol. 4: 255–7, 1909.
The copper deposits of Yerington, Nevada: Am. Min. Congress 12th Ann. Sess. Rept. of Proceedings: 423–7, 1909.
Jones, J. C., The origin of the anhydrite at the Ludwig mine, Lyon County, Nevada: Discussion, Econ. Geol. 7: 400–2, 1912.
Gypsum deposits of the United States: U. S. Geol. Survey Bull. 697: 153–5 (Nevada), 1920.
Knopf, Adolph, Geology and ore deposits of the Yerington district, Nevada: U. S. Geol. Survey Prof. Paper 114: 68, 1918: (Abst.), Eng. & Min. Jour. 107, 627, 1919; (Abst.) Min. & Sci. Press 118, 455–6, 1919; Review by W. H. Emmons, Eng. & Min. Jour. 107, 1079–1080, 1919.
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Rogers, A. F., A new synthesis and new occurrences of covellite: Sch. of Mines Quarterly 32: 298–304, 1911.
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Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 117 (Smith Valley Range), 1903.
Stuart, E. E., Nevada's mineral resources: 140, Carson City: 1909.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 115, 1936.

MINERAL COUNTY

GENERAL

Muller, S. W., and Ferguson, H. G., Triassic and lower Jurassic formations of west central Nevada: Geol. Soc. Am. Bull. 47: 241, 1936.
Mesozoic stratigraphy of the Hawthorne and Tonopah quadrangles, Nevada: Geol. Soc. Am. Bull. 50 (10): 1573–1624, 1939.

ACME. Au, Ag, Pb, Cu.
(Fitting, Kincaid)

On the southeast slope and end of the Gillis Range, four miles north of Acme, a siding on the S. P. R. R.
Triassic sediments, intrusive Cretaceous monzonite and Tertiary volcanics.
Veins and replacement deposits.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 143–144 (Fitting), Nev. Newsletter Pub. Co., Reno, Nevada: 1823.
Vanderburg, W. O., Reconnaissance of mining districts in Mineral County, Nevada: U. S. Bur. Mines Inf. Circ. 6941: 30–33, 1937.

AURORA. Au, Ag.
(Cambridge, Esmeralda)

Near the California-Nevada State boundary line on the east slope of the Sierra Nevada Mountains, 30 miles southwest of Hawthorne and 5 miles south of Fletcher.
Tertiary volcanics.
Vein deposits.

Browne, J. R., and Taylor, J. W., Reports upon the mineral resources of the United States: (for 1866), 28, 33, 107–118, 125–7, Govt. Printing Office, Washington: 1867.
Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 335–6, Govt. Printing Office, Washington: 1868.
Clark, H. G., Aurora, Nevada: Sch. of Mines Quarterly 3: 133–6, 1882.
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Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 48 (tetrahedrite), 60 (native gold), 1941.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 205, 1912.
Some mining districts in northeastern California and northwestern Nevada: U. S. Geol. Survey Bull. 594: 1915.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 137–138, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
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Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 199, 1917.
Stretch, R. H., Nevada state mineralogist's report for 1866: 30–36, Carson City: 1867.
Stuart, E. E., Nevada's mineral resources: 47, Carson City: 1909.
Vanderburg, W. O., Reconnaissance of mining districts in Mineral County, Nevada: U. S. Bur. Mines Inf. Circ. 6941: 13–16, 1937.

White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 92–95, Carson City: 1869.
Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 108–9, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 31–2, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 19, Carson City: 1875.

BASALT (See BUENA VISTA)

BELL (See CEDAR MOUNTAIN)

BELLEVILLE (See CANDELARIA)

BLACK MOUNTAIN (See SILVER STAR)

BOVARD. Au, Ag, Mn, Cu, Pb.
(Copper Mountain, Rand)

On the east slope of the Gabbs Valley Range, 27 miles southeast of Schurz and 22 miles northeast of Hawthorne.
Tertiary volcanics.
Veins and replacement deposits.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 81 (alunite), 1941.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 206, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 149–151 (Rand), Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Pardee, J. T., and Jones, E. L., Jr., Deposits of manganese ore in Nevada: U. S. Geol. Survey Bull. 710: 233, 1920.
Schrader, F. C., Alunite in Patagonia, Arizona, and Bovard, Nevada: Econ. Geol. 8: 752–767, 1913.
Alunite at Bovard, Nevada: U. S. Geol. Survey Bull. 540: 351–6, 1914.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 192, 194, 1917.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 107–9 (Gabbs Valley and Gabbs Valley Range), 1903.
Vanderburg, W. O., Reconnaissance of mining districts in Mineral County, Nevada: U. S. Bur. Mines Inf. Circ. 6941: 55–58, 1937.

BROKEN HILLS. Fluorite, Ag, Pb, Au.
(Quartz Mountain)

Sixty-three miles by road southeast of Fallon, S. P. R. R.; sixteen miles southeast of Westgate. Extends into Mineral and Nye Counties.
Volcanic tuff capped by basalt and underlain by andesite.
Veins.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 64 (embolite), 67 (fluorite), 1941.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 2, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Vanderburg, W. O., Reconnaissance of mining districts in Mineral County, Nevada: U. S. Bur. Mines Inf. Circ. 6941: 22–24, 1937.

BUCKLEY (See WALKER LAKE)

BUENA VISTA. Au, Ag, Pb, Cu, Zn, Hg, W.
(Basalt, Mount Montgomery, Oneota, Queens)

On the north end of the White Mountain Range near the Esmeralda County boundary line, 65 miles west of Tonopah, U. S. Highway 6.
Paleozoic sediments, granitic intrusives, and Tertiary volcanics.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 83 (thenardite), 1941.
Hess, F. L., and Larsen, E. S., Contact-metamorphic tungsten deposits of the United States: U. S. Geol. Survey Bull. 725: 277, 1920.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 206, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 140–141, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Moore, B. N., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 172 (fluorspar), 1936.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.
Schuette, C. N., Occurrence of quicksilver ore bodies: A. I. M. E. Tech. Pub. 335: 88 pp., 1930; A. I. M. E. Trans. 441: 1931.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 206–212 (White Mountain Range), 1903.
Vanderburg, W. O., Reconnaissance of mining districts in Mineral County, Nevada: U. S. Bur. Mines Inf. Circ. 6941: 47–51, 1937.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 38–40, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 19–20, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 36–7, Carson City: 1877.

CAMBRIDGE (See AURORA)

CANDELARIA. Au, Ag, Pb, Cu, Ni, Variscite, Turquoise.
(Belleville, Columbus)

In the Candelaria hills near the boundary line between Esmeralda and Mineral Counties, 53 miles northwest of Tonopah via Nevada State Highway 3, and 6 miles northwest of Columbus Marsh.
Paleozoic and Mesozoic sediments, granitic intrusives and Tertiary volcanics.
Veins and replacement deposits.

Blake, W. P., Mineral resources of the United States: (for 1882), 404, Govt. Printing Office, Washington: 1884.
Browne, J. R., Reports on the mineral resources of the United States: 335, 337–8, 419, Govt. Printing Office, Washington: 1868.
Browne, J. R., and Taylor, J. W., Reports upon the mineral resources of the United States: (for 1866), 126, Govt. Printing Office, Washington: 1867.

Ferguson, H. G., The mining districts of Nevada: Econ. Geol. 24 (2): 115, 1929.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 51 (jamesonite), 69 (serpentine), 73 (smithsonite), 74 (hemimorphite), 1941.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey. Bull. 507: 206, 1912.
Hunt, T. S., The hydrometallurgy of copper, and its separation from the precious metals: Trans. A. I. M. E. 10: 23 (Appendix 1), 1882.
Knopf, Adolph, The Candelaria silver district, Nevada: U. S. Geol. Survey Bull. 735A: 1–22, 1922.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 141–42, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Muller, S. W., and Ferguson, H. G., Mesozoic stratigraphy of the Hawthorne and Tonopah quadrangles: Geol. Soc. Am. Bull. 50 (10): 1581–3, 1939.
Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 115–16, Govt. Printing Office, Washington: 1869.
Mining industry of states and territories west of the Rocky Mountains: (for 1872), 174–5, Govt. Printing Office, Washington: 1873.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 283, Govt. Printing Office, Washington: 1875.
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Stretch, R. H., Nevada state mineralogist's report for 1866: 41–2, Carson City: 1867.
White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 96, Carson City: 1869.
Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 108, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 34–40, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 20–21, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 34–5, Carson City: 1877.
Vanderburg, W. O., Reconnaissance of mining districts in Mineral County, Nevada: U. S. Bur. Mines Inf. Circ. 6941: 25–27, 1937.

CAT CREEK (See WALKER LAKE)

CEDAR MOUNTAIN. Ag, Pb, Zn, Au, Hg, Diatomite.
(Bell, Omco, Simon)

On the northern part of the Cedar Mountains, 22 miles northeast of Mina near the Nye County boundary line.
Triassic limestone, granitic intrusive, and Tertiary volcanics.

Ferguson, H. G., The mining districts of Nevada: Econ. Geol. 24 (2): 115, 1929.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 62 (jarosite), 1941.
Knopf, Adolph, Ore deposits of Cedar Mountain, Nevada: U. S. Geol. Survey Bull. 725: 361–362, 1921.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 138–140, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Merriam, J. C., Tertiary verterbrate found from the Cedar Mountain region of western Nevada: Univ. Calif. Publ. Bull. Dept. Geol. 9 (13): 161–198, 1916.
Siebert, F. J., Nevada's latest gold district: Min. & Sci. Press 114: 449–450, 1917.
Stevens, G. R., Geology of the Cedar Range: Min. & Sci. Press 114: 130, 1917.
Vanderburg, W. O., Reconnaissance of mining districts in Mineral County, Nevada: U. S. Bur. Mines Inf. Circ. 6941: 17–21, 1937.
Anonymous, Geology of the Simon district: Min. & Sci Press: 119, 344–345, 1909.

COLUMBUS (See CANDELARIA)

COPPER MOUNTAIN (See BOVARD)

DOUBLE SPRINGS MARSH. Sodium Salts.

In the vicinity of a dry lake, seven miles east of Schurz.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 83 (thenardite), 85 (trona), 1941.
Knapp, S. A., Occurrence and recovery of sodium carbonate in the Great Basin region: Min. Ind. 7: 627, 631–4, 1898.
Occurrence and treatment of carbonate of soda deposits of the Great Basin region: Min. & Sci. Press 77: 448, 1898.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 143, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Vanderburg, W. O., Reconnaissance of mining districts in Mineral County, Nevada: U. S. Bur. Mines Inf. Circ. 6941: 27–29, 1937.

EAGLEVILLE. Au, Ag, Barite.
(Hot Springs)

Sixty-four miles southeast of Fallon, eight miles northeast of Rawhide.
Granite intrusives in meta-sediments and volcanics overlain by Tertiary volcanics.
Veins and contact metamorphic deposits.

Gianella, V. P., Barite deposits of northern Nevada: A. I. M. E. Min. Tech. 4 (4): 6 pp., 1940. A. I. M. E. Tech. Pub. 1200.
Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 56 (cerargyrite), 80 (barite), 1941.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 200, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 3–4, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 38, 1932.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 62, 1936.

EAST WALKER. Au, Ag.
(Mount Grant)

On the west slope of the Wassuk Range, 10 miles northwest of Hawthorne and 31 miles southeast of Yerington. Mount Grant in southern part of district.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 143, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

ESMERALDA (See AURORA)

FITTING (See ACME)

GARFIELD. Au, Ag, Cu, Pb, Marble.

In the central portion of the Garfield Hills, six miles south of Acme on Nevada State Highway 3.

Mesozoic sediments, volcanics and granitic intrusives.

Vein deposits.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 56 (native silver), 1941.

Hill, J. M., Some mining districts in northeastern California and northwestern Nevada: U. S. Geol. Survey Bull. 594: 176, 1915.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 144, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Muller, S. W., and Ferguson, H. G., Mesozoic stratigraphy of the Hawthorne and Tonopah quadrangles: Geol. Soc. Am. Bull. 50 (10): 1587, 1596, 1613, 1617–1621, 1939.

GOLD RANGE (See SILVER STAR)

GRANITE. Au, Ag, Pb, Cu.
(Mountain View, Reservation)

On the north end of the Wassuk (Walker River) Range, eight miles northwest of Schurz.

Granite and Tertiary volcanics.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 207, 1912.

Some mining districts in northeastern California and northwestern Nevada: U. S. Geol. Survey Bull. 594: 129–133, 1915.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 146–7, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Ransome, F. L., The Yerington copper district, Nevada: U. S. Geol. Survey Bull. 380: 118–119, 1909.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.

Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 115–7 (Walker River Range), 1903.

Vanderburg, W. O., Reconnaissance of mining districts in Mineral County, Nevada: U. S. Bur. Mines Inf. Circ. 6941: 44, 1937.

HAWTHORNE. Pb, Ag, Au, Cu, W, Barite, Gypsum.
(Lucky Boy, Pamlico)

Three miles south of Hawthorne including the east slope of the Wassuk (Walker River) Range and the west end of the Garfield hills.

Paleozoic and Mesozoic sediments intruded by granite and diorite.

Veins, contact-metamorphic, replacement, and placer deposits.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 79 (barite), 84 (gypsum), 67 (anhydrite), 48 (tetrahedrite), 1941.

Hess, F. L., and Larsen, E. S., Contact-metamorphic tungsten deposits of the United States: U. S. Geol. Survey Bull. 725D: 280–1, 1921.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 208, 1912.

Some mining districts in northeastern California and northwestern Nevada: U. S. Geol. Survey Bull. 594: 151–7, 1915.

Jones, J. C., Gypsum deposits of the United States: U. S. Geol. Survey Bull. 697: 155 (Nevada), 1920.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 144–6, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Muller, S. W., Triassic stratigraphy of Hawthorne and Tonopah quadrangles, Nevada: (Abst.), Pan.-Am. Geol. 54 (1), 74–75, 1930. (Abst.), Geol. Soc. Am. Bull. 42 (1): 298, 1931.

Muller, S. W., and Ferguson, H. G., Mesozoic stratigraphy of the Hawthorne and Tonopah quadrangles, Nevada: Geol. Soc. Am. Bull. 50 (10): 1573, 1939.

Russell, I. C., Geological history of Lake Lahontan: U. S. Geol. Survey Mon. 11: 33–34, 37, 69, 119, 141, 1885.

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Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 115–117, 1903.

Stuart, E. E., Nevada's mineral resources: 46, 61–3, Carson City: 1909.

Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 63, 1932.

Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 119, 1936.

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Wroth, J. S., Geology of the Lucky Boy mine, Nevada: Min. & Sci. Press 97: 251, 1908.

HOT SPRINGS (See EAGLEVILLE)

KINCAID (See ACME)

LUCKY BOY (See HAWTHORNE)

LUNING (See SANTA FE)

MARIETTA (See SILVER STAR)

MINA (See SILVER STAR)

MOUNT GRANT (See EAST WALKER)

MOUNT MONTGOMERY (See BUENA VISTA)

MOUNTAIN VIEW (See GRANITE)

OMCO (See CEDAR MOUNTAIN)

ONEOTA (See BUENA VISTA)

PAMLICO (See HAWTHORNE)

PILOT MOUNTAINS. Hg, Ag, Au, Pb, W, Turquoise.
(Sodaville).

The southern part of the Pilot Mountains east of Sodaville near the Esmeralda County boundary.

Paleozoic sediments intruded by granodiorite, capped by Tertiary volcanics.

Veins, contact-metamorphic and replacement deposits.

Foshag, W. F., Quicksilver deposits of the Pilot Mountains, Mineral County, Nevada: U. S. Geol. Survey Bull. 795, 113–123, 1929; Min. Jour., Phoenix, Ariz. 11 (22): 5–6, 12–14, 1928.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 49 (stibnite), 77 (zeolites), 1941.

Hess, F. L., and Larsen, E. S., Contact-metamorphic tungsten deposits of the United States: U. S. Geol. Survey Bull. 725D: 278–280, 1921.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 209–210, 1912.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 147–8, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Knopf, Adolph, Some cinnabar deposits in western Nevada: U. S. Geol. Survey Bull. 620D: 59–62, 1915.

Muller, S. W., New faunal horizons in Jurassic and Triassic of the Pilot Mountains, Mineral County, Nevada: (Abst.), Geol. Soc. Am. Bull. 41 (1): 214, 1930.

Triassic coral reefs in Nevada: Am. Jour. Sci. (5) 31 (183): 202–208, 1936.

Muller, S. W., and Ferguson, H. G., Mesozoic stratigraphy of the Hawthorne and Tonopah quadrangles, Nevada: Geol. Soc. Am. Bull. 50 (10): 1596, 1939.

Pardee, J. T., and Jones, E. L., Jr., Deposits of manganese ore in Nevada: U. S. Geol. Survey Bull. 710: 234–235, 1920.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 193, 197, 1917.

Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 103–5 (Pilot Mountains), 1903.

Vanderburg, W. O., Reconnaissance of mining districts in Mineral County, Nevada: U. S. Bur. Mines Inf. Circ. 6941: 50–55, 1937.

QUEENS (See BUENA VISTA)

RAND (See BOVARD)

RAWHIDE. Au, Ag, Cu, Pb, W, Hg.
(Regent)

On the south end of the Sandy Springs Range near the south boundary of Churchill County, 28 miles east of Schurz.

Tertiary volcanics.

Veins and placer deposits.

Del Mar, Algernon, Rawhide, Nevada: Eng. & Min. Jour. 85: 853–4, 1908.

Ferguson, H. G., The mining districts of Nevada: Econ. Geol. 24 (2): 115, 1929.

Gehrmann, C. A., The gold camp of Rawhide, Esmeralda County, Nevada: Min. Sci. 57: 305–6, 1908.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 56 (cerargyrite), 1941.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 209, 1912.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 151–2, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Rogers, A. F., Orthoclase-bearing veins from Rawhide, Nevada, and Weehawken, New Jersey: Econ. Geol. 6: 790–8, 1911.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 195, 196, 198, 1917.

Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 64, 1932.

Stuart, E. E., Nevada's mineral resources: 63–8, Carson City: 1909.

Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 120, 1936.

Reconnaissance of mining districts in Mineral County, Nevada: U. S. Bur. Mines Inf. Circ. 6941: 58–64, 1937.

Whytock, P. R., The Rawhide district, Nevada: Min. & Eng. World 31: 266, 1909.

REGENT (See RAWHIDE)

RESERVATION (See GRANITE)

RHODES MARSH. Borax, Salines.
(Virginia Marsh)

On the east side of U. S. Highway 95, three miles south of Sodaville.

Salt marsh.

Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 310, 311, Govt. Printing Office, Washington: 1868.

Free, E. E., The topographic features of the desert basins of the United States with reference to the possible occurrence of potash: U. S. Dept. Agr. Bull. 54: 32, 1914.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 83 (thenardite), 84 (halite), 86 (borax), 87 (ulexite, mirabilite), 1941.

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Lincoln, F. C., Mining districts and mineral resources of Nevada: 152, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Raymond, R. W., Mining industry of states and territories of the Rocky Mountains: (for 1872), 175, Govt. Printing Office, Washington: 1873.
Russell, I. C., Geological history of Lake Lahontan: U. S. Geol. Survey Mon. 11: 85, 1885.
White, A. F., Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 108, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 36, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 24, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 38, Carson City: 1877.
Whitfield, J. E., Analyses of natural borates and borosilicates: U. S. Geol. Survey Bull. 55: 58–9 (analysis of ulexite), 1889; also in U. S. Geol. Survey Bull. 419: 301, 1910.
Young, G. J., Potash salts and other salines in the Great Basin region: U. S. Dept. Agr. Bull. 61: 1, 33, 38, 39, 42–3, 1914.

SANTA FE. Au, Ag, Cu, Pb, Sb, Barite.
(Luning)

On the west slope of the Gabbs Valley Range, a few miles east of Luning.
Triassic sediments, granitic intrusives, and Tertiary volcanics.

Clark, C. W., Geology and ore deposits of the Santa Fe district, Mineral County, Nevada: Univ. Calif., Dept. Geol. Sci. Bull. 14 (1): 1–74, 1922.
Ferguson, H. G., The mining districts of Nevada: Econ. Geol. 24 (2): 115, 1929.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 62 (jarosite), 63 (sulphur), 72 (axinite), 80 (powellite), 1941.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 209, 1912.
Some mining districts in northeastern California and northwestern Nevada: U. S. Geol. Survey Bull. 594: 157–171, 1915.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 153–4, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
McCormick, E., The copper deposits of southwestern Nevada: Min. & Sci. Press 81: 401, 1900.
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Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.

SILVER DYKE (See SILVER STAR)

SILVER STAR. Au, Ag, Cu, Pb, W.
(Black Mountain, Gold Range, Marietta, Mina, Silver Dyke)

In Excelsior Mountains, southwest of Mina, S. P. R. R.
Mesozoic sediments, intruded and capped by volcanic rocks.
Veins, contact metamorphic.

Ferguson, H. G., The mining districts of Nevada: Econ. Geol. 24 (2): 115, 1929.

Gianella, V. P., The Nevada earthquake of December 20, 1932: Min. and Met. 14 (319): 300–321, 1933.
Gianella, V. P., and Callaghan, Eugene, The earthquake of December 20, 1932, at Cedar Mountain, Nevada, and its bearing on the genesis of Basin Range structure: Jour. Geol. 42: 1–22, 1934.
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Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 209, 1912.
Some mining districts in northeastern California and northwestern Nevada: U. S. Geol. Survey Bull. 594: 171–181, 1915.
Kerr, P. F., Tungsten deposit at Silver Dyke, Nevada: (Abst.), Min. & Met. 16 (339): 138, 1935.
The tungsten mineralization at Silver Dyke, Nevada: Univ. Nev. Bull. 30 (5): 1936
Lincoln, F. C., Mining districts and mineral resources of Nevada: 154–5, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 198, 1917.
Schuette, C. N., Occurrence of quicksilver ore bodies: A. I. M. E. Tech. Pub. 335: 45, 88, 1931.
Stuart, E. E., Nevada's mineral resources: 46, 47, Carson City: 1909.
Vanderburg, W. O., Reconnaissance of mining districts in Mineral County, Nevada: U. S. Bur. Mines Inf. Circ. 6941: 40–43, 71–77, 1937.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1877 and 1878: 25, San Francisco: 1879.

SIMON (See CEDAR MOUNTAIN)

SODAVILLE (See PILOT MOUNTAINS)

SULPHIDE. Au, W.

Three miles east of Whisky Springs and 18 miles southeast of Hawthorne.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 155–6, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

TEELS MARSH. Borax, Salt.

In southern Mineral County south of Marietta, 26 miles southeast of Mina.

Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 311 (salt), Govt. Printing Office, Washington: 1868.
Free, E. E., The topographic features of the desert basins of the United States with reference to the possible occurrence of potash: U. S. Dept. Agr. Bull. 54: 32, 1914.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 86 (borax), 1941.
Hanks, H. G., Report on the borax deposits of California and Nevada: Cal. S. M. Bur. 3d Ann. Rept. (2): 46, 55, 1883.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 156, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (1875), 458, Govt. Printing Office, Washington: 1876.

Stretch, R. H., Nevada state mineralogist's report for 1866: 32 (salt), Carson City: 1867.

Stuart, E. E., Nevada's mineral resources: 8, Carson City: 1909.

Vanderburg, W. O., Reconnaissance of mining districts in Mineral County, Nevada: U. S. Bur. Mines Inf. Circ. 6941: 77–78, 1937.

White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 95 (salt), Carson City: 1869.

Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 108 (salt), Carson City: 1871.

Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 38, Carson City: 1877.

Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 24–5, Carson City: 1875.

Young, G. J., Potash salts and other salines in the Great Basin region: U. S. Dept. Agr. Bull. 61: 1, 33, 38, 39, 42, 1914.

TELEPHONE CANYON. Au.

On the west side of the Pilot Mountains in southeastern Mineral County, five miles east of Sodaville.

Placer deposits.

Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 64, 1932.

Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 122, 1936.

VIRGINIA MARSH (See RHODES MARSH)

WALKER LAKE. Au, Ag, Cu.
(Cat Creek, Buckley)

On the east slope of the Walker River or Wassuk Range, five miles north of Hawthorne.

Granodiorite.

Veins.

Hill, J. M., Some mining districts in northeastern California and northwestern Nevada: U. S. Geol. Survey Bull. 594: 151, 156, 1915.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 156–7, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Stretch, R. H., Nevada state mineralogist's report for 1866: 39–41, Carson City: 1867.

WHISKY FLAT. Cu, Ag, Au.

At the south end of Whisky Flat, on the north slope of the Excelsior Mountains, 20 miles south of Hawthorne.

Granite and limestone.

Veins.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 77 (zeolites), 1941.

Hill, J. M., Some mining districts in northeastern California and northwestern Nevada: U. S. Geol. Survey Bull. 594: 157, 1915.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 157, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Vanderburg, W. O., Reconnaissance of mining districts in Mineral County, Nevada: U. S. Bur. Mines Inf. Circ. 6941: 78–79, 1937.

NYE COUNTY

GENERAL

Muller, S. W., and Ferguson, H. G., Triassic and lower Jurassic formations of west central Nevada: Geol. Soc. Am. Bull. 47: 241, 1936.

ANTELOPE SPRINGS. Au, Ag.

South end of Cactus Range, 30 miles east-southeast of Goldfield, T. & G. R. R.

Paleozoic sediments cut by granite and capped by Tertiary volcanics.

Veins.

Ball, S. H., A geologic reconnaissance in southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 308: 89–95, 1907.

Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 65 (gold, silver), 1936.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 158, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Schrader, F. C., Notes on the Antelope district, Nevada: U. S. Geol. Survey Bull. 530 J, 1–14, 1912, and U. S. Geol. Survey Bull. 530, 87–98, 1913; (Abst.), Min. & Sci. Press 105, 170, 1912; Min. & Eng. World 37: 201–2, 1912.

ARROWHEAD. Ag, Au.

In the north end of the Reveille Range, 65 miles east of Tonopah, T. & G. R. R.

Paleozoic sediments and Tertiary volcanics.

Veins, replacements.

Ball, S. H., A geologic reconnaissance in southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 308: 114–7 (Reveille Range), 1907.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 158–159, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 66 (gold, silver), 1936.

Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 161–3 (Reveille Range), 1903.

ASH MEADOWS. Clay.

Gale, H. S., Late developments of magnesite deposits in California and Nevada: U. S. Geol. Survey Bull. 540: 520, 1914.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 159, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Rubey, W. W., Callaghan, Eugene, and Moore, B. N., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 143 (magnesite), 176 (clay and bentonite), 1936.

ATHENS. Au, Ag.

In northeast portion of Cedar Mountain and 30 miles by road northeast of Mina on the S. P. R. R.

Tertiary volcanics and lacustrine deposits.

Veins.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 159, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

ATWOOD (See FAIRPLAY)

BARCELONA (See BELMONT)

BARE MOUNTAIN (See FLUORINE)

BEATTY (See FLUORINE)

BELLEHELEN. Au, Ag.
(Longstreet)

In the north end of Kawich Range and 50 miles east of Tonopah, T. & G. R. R.
Tertiary volcanics.
Veins.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 219–220, 1912.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 159–160, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 66 (gold), 1936.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.

Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 181 (Kawich Range), 1903.

Stuart, E. E., Nevada's mineral resources: 91–2, Carson City: 1909.

BELMONT. Ag, Pb, Cu, Hg, Au, Mo.
(Spanish Belt, Barcelona, Philadelphia, Silver Bend)

On the southeast flank of the Toquima Range, 50 miles north-northeast of Tonopah, and 15 miles northeast of Manhattan.
Paleozoic sediments cut by granite.
Veins.

Becker, G. F., Geology of the quicksilver deposits of the Pacific slope: U. S. Geol. Survey Mon. 13, 385, 1888.

Browne, J. R., and Taylor, J. W., Reports upon the mineral resources of the United States: (for 1866), 129, Govt. Printing Office, Washington: 1867.

Reports on the mineral resources of the United States: (for 1867), 402, 404, 420–3, 431, Govt. Printing Office, Washington: 1868.

Emmons, S. F., Report of the geological exploration of the fortieth parallel (3): 393–405 Govt. Printing Office, Washington: 1870.

Ferguson, H. G., The mining districts of Nevada: Econ. Geol. 24 (2): 125, 1929.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 53 (molybdenite), 1941.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 220, 1912.

Hunt, S. F., Mining geology outlined: 3 (Mackay School of Mines, reprinted from Salt Lake Mining Review), 1936.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 160–161, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 109–116, Govt. Printing Office, Washington: 1869.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1870), 128–130, Govt. Printing Office, Washington: 1871.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1871), 141–82, Govt. Printing Office, Washington: 1872.

Mining industry of states and territories of the Rocky Mountains: (for 1872), 172, Govt. Printing Office, Washington: 1873.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1873), 230–3, Govt. Printing Office, Washington: 1874.

Statistics of mines and mining in the states and territories west of the Rocky Mountains (for 1874), 279–280, Govt. Printing Office, Washington: 1875.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 415, Govt. Printing Office, Washington: 1876.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 192, 198, 1917.

Spurr, J. E., Quartz-muscovite rock from Belmont, Nevada: Am. Jour. Sci. 4 (10): 351–58, 1900.

Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 90–93 (Toquima Range), 1903.

Stretch, R. H., Nevada state mineralogist's report for 1866: 62, Carson City: 1867.

Stuart, E. E., Nevada's mineral resources: 84–5, Carson City: 1909.

White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 70–73, Carson City: 1869.

Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 90, Carson City: 1871.

Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 102–6, Carson City: 1873.

Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 67–70, Carson City: 1875.

Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 102–4, Carson City: 1877.

Biennial report of the state mineralogist of the State of Nevada for the years 1877 and 1878: 89–90, San Francisco: 1879.

BERLIN (See UNION)

BIG DUNE (See LEE)

BLACK SPRING. Diatomaceous earth.

Near Black Springs at south end of Ione Valley, 48 miles northwest from Tonopah, T. & G. R. R.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 161, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

BLAKES CAMP (See GOLDEN ARROW)

BRUCITE (See PARADISE RANGE)

BRUNER. Au, Ag.
(Phonolite)

In the north end of the Paradise Range, 50 miles northeast of Luning, S. P. R. R.
Rhyolite and andesite.
Veins.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 161–162, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

BULLFROG. Au, Ag, Cu, Pb, Hg.
(Beatty, Pioneer, Rhyolite)

Near Beatty on U S 95.
Tertiary volcanics.
Veins.
Ball, S. H., A geologic reconnaissance of southwestern Nevada and eastern California: U. S. Geol. Survey Bull: 308: 180–181, 1907.
Emmons, W. H., Normal faulting in the Bullfrog district: Science, n. s. 26: 221–2, 1907.
Ferguson, H. G., The mining districts of Nevada: Econ. Geol. 24 (2): 132, 1929.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 60 (native gold), 67 (fluorite), 81 (alunite), 1941.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 220, 1912.
Knopf, Adolph, Some cinnabar deposits in western Nevada: U. S. Geol. Survey Bull. 620: 62–68, 1916.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 162–163, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 66 (gold), 1936.
Ransome, F. L., Preliminary account of Goldfield, Bullfrog and other mining districts in southern Nevada: U. S. Geol. Survey Bull. 303: 40–62, 1907.
Ransome, F. L., Emmons, W. H., and Garrey, G. H., Geology and ore deposits of the Bullfrog district, Nevada: U. S. Geol. Survey Bull. 407: 1910.
Rice, C. T., The Bullfrog mining district, Nevada: Eng. & Min. Jour. 82: 534–6, 1906.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 191, 192, 194, 195, 196, 1917.
Spurr, J. E., Genetic relations of western Nevada ores: A. I. M. E. Trans. 36: 382–3, 1906.
Stuart, E. E., Nevada's mineral resources: 89–91, Carson City: 1909.
Taft, H. H., The Bullfrog mining district: Eng. & Min. Jour. 81: 322, 1906; also in A. I. M. E. Trans. 37: 184–6, 1907.
Tallman, C., The Bullfrog district: Am. Min. Cong., Proceedings 12th Ann. Sess.: 428–437, 1909.

BUTTERFIELD MARSH. Salt, Soda, Potash.
(Railroad Valley Marsh)

In Railroad Valley, 18 miles southwest of Current, U S 6.
Free, E. E., The topographic features of the desert basins of the United States with reference to the possible occurrence of potash: U. S. Dept. Agr. Bull. 54: 35–6, 1914.

Gale, H. S., Nitrate deposits: U. S. Geol. Survey Bull. 523: 25, 1912.
The search for potash in the desert basin region: U. S. Geol. Survey Bull. 530: 305, 1913.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 84 (kaolinite, halite), 86 (trona), 1941.
Hance, J. H., Potash in western saline deposits: U. S. Geol. Survey Bull. 540: 457–462, 1914.
Mansfield, G. R., and Boardman, Leona, Nitrate deposits of the United States: U. S. Geol. Survey Bull. 838: 40, 1932.
Phalen, W. C., Salt resources of the United States: U. S. Geol. Survey Bull. 669: 144–5, 1919.
Sheldon, G. L., Railroad Valley potash fields: Min. & Sci. Press 105: 502–3, 1912.
White, A. F., Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 92, Carson City: 1871.
Young, G. J., Potash salts and other salines in the Great Basin region: U. S. Dept. Agr. Bull. 61: 8, 13, 32, 39, 56–9, 64, 83–5, 1914.

CACTUS SPRINGS. Au, Ag, Alunite.

In the Cactus Range, 24 miles east of Goldfield, T. & G. R. R., at the northwest end of the Cactus Range.
Tertiary volcanics.
Veins, replacements.
Ball, S. H., Notes on the ore deposits of southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 285: 86, 1906.
A geologic reconnaissance in southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 308: 46, 89–96, 1907.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 81 (alunite), 1941.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 220–1, 1912.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 67, 1936.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 164, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.

CARRARA. Au, W, Marble.

On west side of Bare Mountain and ten miles south of Beatty.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 65, 1932.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 122, 1936.

CLARKDALE (See TOLICHA)

CLIFFORD. Au, Ag.

About thirty-five miles east of Tonopah, T. & G. R. R.
Tertiary volcanics.
Veins.
Ferguson, H. G., The Golden Arrow, Clifford and Ellendale districts, Nye County, Nevada: U. S. Geol. Survey Bull. 640F: 113–5, 121–2, 1916.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 47 (stephanite), 62 (jarosite), 1941.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 165, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 67, 1936.

CLOVERDALE. Au, Ag, Pb, Cu.
(Golden, Republic)

Thirty miles east of Mina, S. P. R. R., 40 miles northwest of Tonopah.
Tertiary volcanics.
Veins, placers.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 221, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 165–166, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 65, 1932.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 93–97, 1903.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 122, 1936.

CURRANT. Au, Pb, Cu.

East of Currant in the White Pine Range.
Limestone.
Veins.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 166, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Nolan, T. B., Rubey, W. W., and Callaghan, Eugene, Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 67 (gold, lead), 141 (magnesite), 1936.

DANVILLE. Au, Ag.

In the Monitor Range in northern Nye County.
Limestone.
Veins.

Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 403–6, 423–4, Govt. Printing Office, Washington: 1868.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 166, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

EDEN. Au, Ag.
(Eden Creek, Gold Belt)

Fifty-five miles east of Tonopah, T. & G. R. R.
Tertiary volcanics.
Veins.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 166, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 67 (gold), 1936.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 191, 194, 1917.

EDEN CREEK (See EDEN)

ELLENDALE. Au, Ag, Cu.

South of U S 6, few miles east of Tonopah, T. & G. R. R.
Tertiary volcanics.
Veins, stringers.

Ferguson, H. G., The Golden Arrow, Clifford, and Ellendale districts, Nye County, Nevada: U. S. Geol. Survey Bull. 640F: 113–15, 122–23, 1916.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 62 (jarosite), 1941.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 167, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Nolan, T. B., and Moore, B. N., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 67 (gold, silver, copper), 150 (barite), 1936.
Stuart, E. E., Nevada's mineral resources: 92, Carson City: 1909.

ELLSWORTH (See PARADISE RANGE and LODI)

FAIRPLAY. Au, Ag, W, Cu, Pb.
(Atwood, Goldyke)

In the Paradise Range, 32 miles northeast of Luning, S. P. R. R.
Granite.
Veins.

Ferguson, H. G., The mining districts of Nevada: Econ. Geol., 24 (2): 1929.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 221–22, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 167, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.
Stuart, E. E., Nevada's mineral resources: 92–3, Carson City: 1909.

FLUORINE. Flourite, Au, Ag, Hg, Kaolin, Clay.
(Bare Mountain, Telluride, Beatty)

On Bare Mountain immediately east of Beatty.
Paleozoic sediments intruded by quartz monzonite and pegmatites.
Tertiary volcanics.
Veins.

Ball, S. H., Notes on the ore deposits of southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 285: 71–2, 1906.
A geologic reconnaissance in southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 308: 153–57, 1907.
Buwalda, J. P., High-grade clays of the eastern United States with notes on some western clays: U. S. Geol. Survey Bull. 708: 124–26, 1922.
Feitler, Stanley, Welded tuff resembling vitrophyre and pitchstone at Bare Mountain, Nevada: (Abst.), Geol. Soc. Am. Bull. 51 (12): 1957, 1940.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 41 (staurolite), 65 (kyanite), 67 (fluorite), 81 (alunite), 84 (kaolinite), 1941.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 219, 1912.
Kirk, Edwin, The Eureka quartzite of the Great Basin region: Am. Jour. Sci. (5) 26 (151): 36, 1933.
Knopf, Adolph, Some cinnabar deposits in western Nevada: U. S. Geol. Survey Bull. 620D: 62–67, 1915.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 167, 169, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Moore, B. N., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 172 (fluorite), 176 (clay), 1936.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 68 (gold), 1936.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 192, 194, 1917.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 65, 1932.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 122, 1936.

GABBS (See PARADISE RANGE)

GOLD BELT (See EDEN)

GOLD CRATER. Au, Ag.

Twenty-seven miles southeast of Goldfield, T. & G. R. R.
Tertiary volcanics.
Veins.
Ball, S. H., Notes on the ore deposits of southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 285: 69–70, 1906.
A geologic reconnaissance in southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 308: 153–57, 1907.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 221, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 169, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 68 (gold), 1936.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.

GOLDYKE (See FAIRPLAY)

GOLDEN (See CLOVERDALE)

GOLDEN ARROW. Au, Ag.
(Blakes Camp)

On the west slope of the Kawich Range, about 30 miles east-southeast of Tonopah, T. & G. R. R.
Tertiary volcanics.
Veins, contact metamorphic deposits.
Ball, S. H., Notes on the ore deposits of southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 285: 66, 1906.
A geologic reconnaissance in southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 308: 110, 1907.

Ferguson, H. G., The Golden Arrow, Clifford and Ellendale districts, Nye County, Nevada: U. S. Geol. Survey Bull. 640F: 113–121, 1916.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 220, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 169–170, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 68 (gold), 1936.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.
Stuart, E. E., Nevada's mineral resources: 91, Carson City: 1909.

GOLD PARK (See JACKSON)

GOLD REED (See KAWICH)

GRANITE (See LODI)

GRANTSVILLE (See UNION)

GREEN ISLE (See JEFFERSON CANYON)

HANNAPAH. Au, Ag, Hg.
(Silver Zone, Volcano)

Twenty miles east of Tonopah, T. & G. R. R.
Tertiary volcanics.
Veins.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 222, 1912.
Lincoln, F. C., Volcano, a new Nevada strike: Eng. & Min. Jour. 100: 73, 1915.
Mining districts and mineral resources of Nevada: 170, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 68 (gold), 1936.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.
Spurr, J. E., Ore deposits of Tonopah and neighboring districts, Nevada: U. S. Geol. Survey Bull. 213: 87, 1903.

HOT CREEK (See TYBO)

IONE (See UNION)

IRWIN CANYON (See TROY)

JACKSON. Au, Ag, Cu, Pb.
(Gold Park)

Forty-four miles southeast of Austin, partly in Lander County.
Paleozoic sediments, granite porphyry and Tertiary volcanics.
Veins.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 170–171, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

JAMESTOWN (See WELLINGTON)

JEFFERSON CANYON. Au, Ag.
(Concordia, Green Isle)

Seventy miles north-northeast of Tonopah, T. & G. R. R. and 15 miles northeast of Round Mountain.
Paleozoic sediments, intrusive granite and Tertiary volcanics.
Veins.

Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 420, Govt. Printing Office, Washington: 1868.
Ferguson, H. G., The Round Mountain District, Nevada: U. S. Geol. Survey Bull. 725I: 387, 1921.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 222, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 171–172, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 281, Govt. Printing Office, Washington: 1875.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 138, Govt. Printing Office, Washington: 1876.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 90–93 (Toquima Range), 1903.
Stuart, E. E., Nevada's mineral resources: 84, Carson City: 1909.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 106–7, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 70–72, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 105–6, Carson City: 1877.
Biennial report of the state mineralogist of the State of Nevada for the years 1877 and 1878: 91, San Francisco: 1879.

JETT. Ag, Pb, Zn.

In Jett Canyon on east flank of the Toiyabe Range, 50 miles north of Tonopah, T. & G. R. R.
Slate and limestone.
Veins.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 172, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 106, Carson City: 1867.

JOHNNIE. Au, Ag, Pb.

In the northwest end of the Spring Mountain Range.
Paleozoic sediments.
Veins, placers.

Ball, S. H., A geologic reconnaissance in southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 308: 150, 1907.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 222, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 172–173, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 68 (gold), 1936.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 65, 1932.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 123, 1936.

KAWICH. Au, Hg.
(Gold Reed)

In the Kawich Range, five miles north of Quartzite Mountain and 54 miles east of Goldfield, T. & G. R. R.
Monzonite porphyry and rhyolite.
Veins.

Ball, S. H., Notes on the ore deposits of southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 285: 67–8, 1906.
A geologic reconnaissance in southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 308: 108–113, 1907.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 222, 1912.
Kirk, Edwin, The Eureka quartzite of the Great Basin region: Am. Jour. Sci. ser. 5, 26 (151): 27–44, 1933.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 173, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 69 (gold), 1936.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 181 (Kawich Range), 1903.
Genetic relations of western Nevada ores: A. I. M. E. Trans. 36: 382–3, 1906.
Stuart, E. E., Nevada's mineral resources: 32, Carson City: 1909.

KEYSTONE (See TYBO)

LEE. Au, Cu.
(Big Dune)

Twenty miles south of Beatty in the Amargosa Desert.
Cambrian sediments.
Veins.

Ball, S. H., A geologic reconnaissance in southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 308: 175, 1907.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 54 (azurite), 1941.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 220, 1912.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 173, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.

LEXINGTON (See LODI)

LODI. Ag, Au, Pb, Cu, W.
(Mammoth, Lexington, Marble, Granite)

On the west flank of the Paradise Range, 45 miles north-northeast of Luning, S. P. R. R.
Granite and limestone.
Veins.

Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 319, 419, Govt. Printing Office, Washington: 1868.
Foshag, W. F., Creedite from Nevada: Am. Miner. 17(2): 75–77, 1932.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 222, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 174–175, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 99–100, Govt. Printing Office, Washington: 1869.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1871), 182–3, Govt. Printing Office, Washington: 1872.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 198, 1917.
Stretch, R. H., Nevada state mineralogist's report for 1866: 58, Carson City: 1867.
White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 60–62, Carson City: 1869.
Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 88–89, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 108, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 78, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 109, Carson City: 1877.
Biennial report of the state mineralogist of the State of Nevada for the years 1877 and 1878: 87–8, San Francisco: 1879.

LONGSTREET (See BELLEHELEN)

MAMMOTH (See LODI)

MANHATTAN. Au, Ag, As, Sb, Pb, W.

In the Toquima Range, 45 miles north of Tonopah, T. & G. R. R.
Paleozoic sediments cut by granite and diorite and capped by Tertiary volcanics.
Veins, replacements and placer deposits.

Emmons, W. H., and Garrey, G. H., Notes on the Manhattan district: U. S. Geol. Survey Bull. 303: 84–92, 1907.
Ferguson, H. G., Placer deposits of the Manhattan district, Nevada: U. S. Geol. Survey Bull. 640J, 163–193, 1917; (Abst.), Wash. Acad. Sci. J7: 266, 1917.
The limestone ores of Manhattan: Econ. Geol. 16: 1–36, 1921.
Geology and ore deposits of the Manhattan district, Nevada: U. S. Geol. Survey Bull. 723, 163, 1924.
The mining districts of Nevada: Econ. Geol., 24(2): 133, 137, 139, 1929.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 44 (dumortierite), 49 (stibnite), 51 (arsenopyrite), 59 (realgar), 67 (fluorite), 70 (stibiconite), 1941.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 222–3, 1912.
Jenney, W. P., Geology of the Manhattan district, Nevada: Eng. & Min. Jour. 88: 82–3, 1909.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 175–177, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Palache, Charles, and Modell, David, Crystallography of stibnite and orpiment from Manhattan, Nevada: Am. Miner. 15 (8): 365–374, 1930.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 66, 1932.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 90–93 (Toquima Range), 1903.
Stuart, E. E., Nevada's mineral resources: 88, Carson City: 1909.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 125, 1936.
Wherry, E. T., A peculiar intergrowth of phosphate and silicate minerals: Wash. Acad. Sci. Jour. 6: 105–8, 1916.

MARBLE (See LODI)

MILLETT. Au, Ag, Pb, Cu.
(North Twin River)

On the east flank of Toiyabe Range, 105 miles north of Tonopah, T. & G. R. R.
Limestone and slate.
Veins, pockets.

Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 414–15, 431, Govt. Printing Office, Washington: 1868.
Emmons, S. H., Report of the geological exploration of the fortieth parallel (3): 342, 383, Govt. Printing Office, Washington: 1870.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 177–178, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 93–7 (Toiyabe Range), 1903.
Stretch, R. H., Nevada state mineralogist's report for 1866: 59, Carson City: 1867.

White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 65–6, Carson City: 1869.
Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 89, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 106, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 78, Carson City: 1875.

MONTE CRISTO (See TOLICHA)

MOREY. Ag, Au, Pb.

In Hot Creek Range about 100 miles northeast of Tonopah on the T. & G. R. R., and 30 miles northeast of Tybo.

Granite.

Veins.

Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 425–26, Govt. Printing Office, Washington: 1868.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 178, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 69 (gold), 1936.
Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 112, Govt. Printing Office, Washington: 1869.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1869), 142–43, Govt. Printing Office, Washington: 1870.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1870), 130–31, Govt. Printing Office, Washington: 1871.
Mining industry of the states and territories of the Rocky Mountains: (for 1872), 173, Govt. Printing Office, Washington: 1873.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1873), 232, Govt. Printing Office, Washington: 1874.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 281, Govt. Printing Office, Washington: 1875.
Shannon, E. V., Notes on an andorite-bearing silver ore from Nevada: U. S. Nat. Mus. Proc., 60, art. 16: 1922.
Stretch, R. H., Nevada state mineralogist's report for 1866: 62, Carson City: 1867.
White, A. F., Report of the state mineralogist for the years 1867 and 1868: 76–7, Carson City: 1869.
Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 91, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 110, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 73, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 107, Carson City: 1877.

NORTH TWIN RIVER (See MILLETT)

NORTHUMBERLAND. Au, Ag.

In the northern part of the Toquima Range about 38 miles southeast of Austin.

Granite and limestone.

Veins and replacement deposits.

Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 404, 423, Govt. Printing Office, Washington: 1868.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 178, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 84–5, Govt. Printing Office, Washington: 1869.
Stretch, R. H., Nevada state mineralogist's report for 1866: 63–4, Carson City: 1867.
White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 73, Carson City: 1869.
Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 89, Carson City: 1871.

NYALA (See TROY)

OAK SPRINGS. Au, Ag, Cu, W, Mo, Pb.

In the Belted Range, 20 miles north of Yucca Pass and 90 miles southwest of Caliente, U. P. R. R.

Paleozoic sediments cut by granite. Also Tertiary volcanics.

Veins and pyrometasomatic deposits.

Ball, S. H., Notes on the ore deposits of southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 285. 70–1, 1906.
A geologic reconnaissance in southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 308: 44, 45, 122–130, 1907.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 53 (molybdenite), 54 (malachite), 68 (chrysocolla), 70 (scheelite), 79 (cerussite), 80 (powellite), 1941.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 233, 1912.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 69, 1936.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 178–179, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 192, 194, 196, 197, 198, 1917.

O'BRIENS (See WELLINGTON)

PARADISE RANGE. Brucite, Magnesite, W.
(Brucite, Gabbs)

In the Paradise Range, 35 miles north of Luning.

Triassic dolomite intruded by granodiorite.

Replacement deposits.

Callaghan, Eugene, Brucite deposit, Paradise Range, Nevada: Univ. Nev. Bull. 27 (1): 1933.

Pregranodiorite dikes in granodiorite, Paradise Range, Nevada: Am. Geophysics, Union Trans. 16th Ann. Meeting 1: 302–307, Nat. Res. Council, August, 1935.
Gianella, V. P., The Nevada earthquake of December 20, 1932: Min. & Met. 14 (319): 300–301, 1933.
Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 46 (wolframite), 84 (brucite), 1941.
Gianella, V. P., and Callaghan, Eugene, The earthquake of December 20, 1932, at Cedar Mountain, Nevada, and its bearing on the genesis of Basin Range structure: Jour. Geol. 42 (1): 1–22, 1934.
Kerr, P. F., and Callaghan, Eugene, Scheelite-leuchtenbergite vein in Paradise Range, Nevada: Geol. Soc. Am. Bull. 46 (12): 1957–1974, 1935.
Rubey, W. W., and Callaghan, Eugene, Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 142 (magnesite), 1936.

PHILADELPHIA (See BELMONT)

PHONOLITE (See BRUNER)

PIONEER (See BULLFROG)

QUARTZ MOUNTAIN. Pb, Ag, V.

In northwestern Nye County, 50 miles southeast of Fallon, S. P. R. R., and three miles east of Broken Hills.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser (36): 84 (tremolite), 1941.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 69, 1936.

RAILROAD VALLEY MARSH (See BUTTERFIELD MARSH)

REPUBLIC (See CLOVERDALE)

REVEILLE. Ag, Pb, Cu, Au.

In the Reveille Range, 70 miles east of Tonopah, on the T. & G. R. R.
Paleozoic sediments and Tertiary lavas.
Veins.

Ball, S. H., A geologic reconnaissance in southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 308: 114–7, 1907.
Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 402, 425, 431, Govt. Printing Office, Washington: 1868.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 223, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 179–180, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 69 (gold), 1936.
Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 107–9, 112, Govt. Printing Office, Washington: 1869.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1869), 140–142, Govt. Printing Office, Washington: 1870.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1870), 131, Govt. Printing Office, Washington: 1871.
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Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 198, 1917.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 161–3 (Reveille Range), 1903.
Stretch, R. H., Nevada state mineralogist's report for 1866: 63, Carson City: 1867.
White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 77–8, Carson City: 1869.
Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 92, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 110–1, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 74, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 109–110, Carson City: 1877.
Biennial report of the state mineralogist of the State of Nevada for the years 1877 and 1878: 91, San Francisco: 1879.

RHYOLITE (See BULLFROG)

ROUND MOUNTAIN. Au, Ag, Pb, W.

On the west slope of Toquima Range, 60 miles north of Tonopah, T. & G. R. R.
Paleozoic sediments and Tertiary volcanics.
Veins and placers.

Brown, G. C., Round Mountain tungsten mine: Salt Lake Min. Rev.: 16, August 15, 1911.
Ferguson, H. G., The Round Mountain district, Nevada: U. S. Geol. Survey Bull. 725 I: 383–406, 1921.
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ROYSTON (See SAN ANTONE)

SAN ANTONE. Ag, Au, Pb, Cu.
(San Antonio, Royston)

In the San Antonio Mountains, 25 miles north of Tonopah, T. & G. R. R.
Tertiary volcanics.
Veins.

Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 319, 402, 415, Govt. Printing Office, Washington: 1868.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 181–182, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 103–7, 112, Govt. Printing Office, Washington: 1869.

Stretch, R. H., Nevada state mineralogist's report for 1866: 61–2, Carson City: 1867.

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Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 109, Carson City: 1877.

SAN ANTONIO (See SAN ANTONE)

SILVER BEND (See BELMONT)

SILVERBOW. Au, Ag.

In the Kawich Range, 38 miles east of Tonopah, T. & G. R. R.
Tertiary volcanics.
Veins.

Ball, S. H., Notes on the ore deposits of southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 285: 65–6, 1906.

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Stuart, E. E., Nevada's mineral resources: 92, Carson City: 1909.

SILVER ZONE (See HANNAPAH)

SPANISH BELT (See BELMONT)

STONEWALL. Au, Ag.

In the Stonewall Mountains, 17 miles south-southeast of Goldfield, T. & G. R. R.
Paleozoic sediments intruded by granite, overlain by Tertiary volcanics.
Veins.

Ball, S. H., Notes on the ore deposits of southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 285: 70, 1906.

A geologic reconnaissance in southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 308: 28, 32, 33, 46–9, 83–9, 133, 136, 1907.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 224, 1912.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 183, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 70, 1936.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.

TELLURIDE (See FLUORINE)

TOLICHA. Au, Ag.
(Clarkdale, Monte Cristo)

In Pahute Mesa, 26 miles north of Beatty.
Tertiary rhyolite.
Veins.

Ball, S. H., A geologic reconnaissance in southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 308: 141–2, 1907.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 223, 1912.

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Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.

TONOPAH. Ag, Au, Pb, Cu, W.

Station on T. & G. R. R., and U S 95.
Tertiary volcanics.
Veins, replacement deposits.

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Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 224, 1912.
Jenney, W. P., Geological and physical condition of Tonopah mines: Min. & Sci. Press 99: 685–6, 1909.
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TRAPPMANS. Ag, Au.

In Pahute Mesa, 40 miles east-southeast of Goldfield, T. & G. R. R.
Granite.
Veins.

Ball, S. H., Notes on the ore deposits of southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 285: 68–9, 1906.
A geologic reconnaissance in southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 308: 131–9, 1907.
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TROY. Ag, Au, Pb.
(Irwin Canyon, Nyala)

In the Grant Range, about 30 miles south of Currant Post Office, U S 6.
Sedimentary rocks.
Veins.

Hill, J. M., Notes on some mining districts in eastern Nevada: U. S. Geol. Survey Bull. 648: 138–144, 1916.
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Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 112–3, Carson City: 1873.
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Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 108, Carson City: 1877.

TWIN RIVER. Ag.

On the east slope of the Toiyabe Range, 50 miles south of Austin.
Slate.
Veins.

Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 402, 415–7, 431, Govt. Printing Office, Washington: 1868.
Emmons, S. F., Report of the geological exploration of the fortieth parallel (3): 343, 383–393, Govt. Printing Office, Washington: 1870.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 194–195, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
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Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 93–7 (Toiyabe Range), 1903.
Stretch, R. H., Nevada state mineralogist's report for 1866: 60–61, Carson City: 1867.
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Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 89, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 106, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 78, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 107, Carson City: 1877.

TYBO. Ag, Au, Pb, Cu, Sb, Mn.
(Hot Creek, Keystone)

In the Hot Creek Range, 70 miles northeast of Tonopah, T. & G. R. R.
Paleozoic sediments and Tertiary volcanics.
Veins and replacement deposits.

Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 402, 424, Govt. Printing Office, Washington: 1868.
Ferguson, H. G., Geology of the Tybo district, Nevada: Univ. Nev. Bull. 27 (3): 1933.
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Lincoln, F. C., Mining districts and mineral resources of Nevada: 195, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
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Pardee, J. T., and Jones, E. L., Jr., Deposits of manganese ore in Nevada: U. S. Geol. Survey Bull. 710F: 234, 1920.
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Stretch, R. H., Nevada state mineralogist's report for 1866: 61, Carson City: 1867.
Stuart, E. E., Nevada's mineral resources: 7, Carson City: 1909.
White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 73–76, Carson City: 1869.
Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 90–91, Carson City: 1871.
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Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 73–4, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 104–5, Carson City: 1877.
Biennial report of the state mineralogist of the State of Nevada for the years 1877 and 1878: 91–2, San Francisco: 1879.

UNION. Hg, Au, Ag, Zn, Cu, W.
(Berlin, Grantsville, Ione)

Sixty miles southwest of Austin on the west slope of the Shoshone Mountains.
Carboniferous sediments and Tertiary volcanics.
Veins and placers.
Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 419–429, Govt. Printing Office, Washington: 1868.
Daggett, Ellsworth, The extraordinary faulting at the Berlin mine, Nevada: A. I. M. E. Trans. 38: 297–309, 1908; (Abst.) Eng. & Min. Jour. 83: 617–621, 1907.
Davis, W. C., Quicksilver in Nevada: Min. & Sci. Press 99: 663, 1909.
Ferguson, H. G., The mining districts of Nevada: Econ. Geol. 24 (2): 125, 1929.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 220, 225, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 195–197, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
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Stretch, R. H., Nevada's state mineralogist's report for 1866: 57–8, Carson City: 1867.
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White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 62–65, Carson City: 1869.
Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 89, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 107, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 78, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 108–9, Carson City: 1877.
Biennial report of the state mineralogist of the State of Nevada for the years 1877 and 1878: 88–9, San Francisco: 1879.

VOLCANO (See HANNAPAH)

WAHMONIE. Ag, Au.

On Shoshone Mountain, 30 miles east of Beatty and 5–10 miles west of Yucca Pass.
Veins.
Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 71 (gold), 1936.
Anonymous, Wahmonie, Nevada: Eng. & Min. Jour. 125 (1): 467, 1928.

WASHINGTON. Ag, Pb.

In the Toiyabe Range, 28 miles south-southwest of Austin.
Paleozoic sediments.
Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 413, Govt. Printing Office, Washington: 1868.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 216, 1912.
Some mining districts in northeastern California and northwestern Nevada: U. S. Geol. Survey Bull. 594: 114–121, 123–5, 1915.
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Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 93–7 (Toiyabe Range), 1903.
Stretch, R. H., Nevada state mineralogist's report for 1866: 97, 102, Carson City: 1867.
White, A. F., Report of the state mineralogist of Nevada for the years 1869 and 1870: 89, Carson City: 1871.

WELLINGTON. Au, Ag.

Thirty miles southeast of Goldfield and 20 miles east of Cuprite.
Tertiary volcanics.
Veins.
Ball, S. H., Notes on the ore deposits of southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 285: 68, 1906.
A geologic reconnaissance in southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 308: 46, 48, 95, 1907.
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Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 225, 1912.
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WILLOW CREEK. Au, Ag, Cu.

In the Quinn Canyon Range, near the south end of Railroad Valley, 90 miles southwest of Ely and 90 miles east of Tonopah, T. & G. R. R.

Hill, J. M., Notes on mining districts in eastern Nevada: U. S. Geol. Survey Bull. 648: 144–151, 1916.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 198, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Nolan, T. B., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 72, 1936.

Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 68–76 (Quinn Canyon and Grant Ranges), 1903.

WILSONS. Ag, Au.

Thirty-eight miles east-southeast of Goldfield, T. & G. R. R.

Tertiary volcanics.

Veins.

Ball, S. H., Notes on the ore deposits of southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 285: 69, 1906.

A geologic reconnaissance in southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 308: 131–7, 139, 1907.

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ORMSBY COUNTY

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Reid, J. A., The geomorphogeny of the Sierra Nevada northeast of Lake Tahoe: Univ. Calif. Publ. Dept. Geol. Sci., 6: (5), 89–161, 1911.

A Tertiary river channel near Carson City, Nevada: Min. and Sci. Press 96: 522–526, 1908.

CARSON CITY. Sandstone, Au, Ag, Cu, W.

Portion of Eagle Valley east and north of Carson City, including the foothills at the south end of the Virginia Range.

Blake, W. P., The Carson City ichnolites: Science 4: 275–276, 1884.

Gianella, V. P., Middle California and western Nevada: Internat. Geol. Cong. XVI, United States, 1933, Guidebook 16, Excursion C–1, 108–116: (Itinerary Reno to Walley Hot Springs and return), Washington: 1933.

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Reid, J. A., Preliminary report on the building stones of Nevada: Univ. Nev. Dept. Geol. and Min. Bull. 1: 1904.

Russell, I. C., Geological history of Lake Lahontan: U. S. Geol. Survey Mon. 11: 25, 30, 43, 137–138, 1885.

Smith, W. S., Origin of the sandstone at the state prison near Carson City, Nevada: (Abst.), Geol. Soc. Am. Bull. 23: 73, 1912.

Stretch, R. H., Nevada state mineralogist's report for 1866: 19, Carson City: 1867.

White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 20, Carson City: 1869.

Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 116, Carson City: 1873.

DELAWARE. Cu, Au, Ag, Fe, Pb, Barite.
(Sullivan)

On the east side of the Carson River, four miles east of Carson City.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 79 (barite), 1941.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 199–200, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Stretch, R. H., Nevada state mineralogist's report for 1866: 18, Carson City: 1867.

Stuart, E. E., Nevada's mineral resources: 149, Carson City: 1909.

EAGLE VALLEY (See VOLTAIRE)

ELDORADO CANYON (See LYON COUNTY)

SULLIVAN (See DELAWARE)

VOLTAIRE. Ag, Au, Cu, As, Graphite.
(Washoe, Eagle Valley)

West of Carson City on the east slope of the Sierra Nevada Mountains.
Sedimentary rocks intruded by granodiorite.

Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 325 Govt. Printing Office, Washington: 1868.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 50 (graphite), 76 (microcline), 77 (zeolites), 1941.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 200–201, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 76, Govt. Printing Office, Washington: 1869.
Stretch, R. H., Nevada state mineralogist's report for 1866: 18–19, Carson City: 1867.
Stuart, E. E., Nevada's mineral resources: 146–148, Carson City: 1909.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 116–117, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 81–83, Carson City: 1875.

WASHOE (See VOLTAIRE)

PERSHING COUNTY

GENERAL REFERENCE

Lee, W. T., Stone, R. W., and Gale, H. S., and others, Guidebook of the western United States, Part B, The Overland Route: U. S. Geol. Survey Bull. 612: 173–182, 1915.

ALDRICH (See IRON HAT)

AMERICAN (See SPRING VALLEY)

AMERICAN CANYON (See ROCHESTER)

ANTELOPE. Pb, Ag, Zn, Au, Cu, Hg, As, Sb.
(Cedar, Majuba Hill)

Twenty miles west of Mill City, S. P. R. R., W. P. R. R., in the Trinity Range.
Triassic slate intruded by dikes of rhyolite porphyry.
Veins.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 212, 1912.
Knopf, Adolph, Tin: Mineral resources of the United States, 1917, pt. 1, 65: *idem*, 1918, pt. 1, 26–27, Govt. Printing Office, Washington, 1921.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 201, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 192, 195, 199, 1917.
Smith, W. C., and Gianella, V. P., Tin deposit at Majuba Hill, Pershing County, Nevada: U. S. Geol. Survey Bull. 931–C: 1942.
Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bur. Mines Inf. Circ. 6902: 8, 1936.

ANTELOPE SPRINGS (See RELIEF)

ARABIA (See TRINITY)

BLACK KNOB. Sb.

Near Black Knob in the Humboldt Range, 15 miles east of Lovelock.
Jurassic calcareous shale and Tertiary volcanics.
Veins.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 201–202, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bur. Mines Inf. Circ. 6902: 13, 1936.

BLOODY CANYON. Sb.

Fifteen miles northeast of Oreana, in the northern part of Humboldt Range.

Cameron, E. N., Geology and mineralization of the northeastern Humboldt Range, Nevada: Geol. Soc. Amer. Bull. 50 (4): 613, 1939.

BUENA VISTA (See UNIONVILLE)

CEDAR (See ANTELOPE)

CENTRAL (See MILL CITY)

CHAFEY (See SIERRA)

COPPER VALLEY (See RAGGED TOP)

DUN GLEN (See SIERRA)

ECHO (See RYE PATCH)

ELDORADO (See HUMBOLDT)

FARRELL. Au.
(Stone House)

In the Seven Troughs Mountains, 31 miles northwest of Lovelock, S. P. R. R.
Tertiary rhyolite.
Veins and lenses.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 205, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Stuart, E. E., Nevada's mineral resources: 123, Carson City: 1909.

FITTING (See SPRING VALLEY)

GOLDBANKS. Hg, Au, Ag.

On the east slope of the East Range south of the divide between Grass and Pleasant valleys, 40 miles south of Winnemucca, S. P. R. R.
Quartz porphyry.
Replacement deposits.

Dreyer, R. M., The geochemistry of quicksilver mineralization: Econ. Geol. 35 (2): 140–157, 1940.

Goldbanks mining district, Pershing County, Nevada: Univ. Nev. Bull. 34 (1), Geol. and Min. ser. (32): 1940.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 213, 1912.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 205–206, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Ransome, F. L., Notes on some mining districts in Humboldt County, Nevada: U. S. Geol. Survey Bull. 414: 48, 1909.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.

Schuette, C. N., Occurrence of quicksilver ore bodies: A. I. M. E. Tech. Pub. 335: 40, 1931.

Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bur. Mines Inf. Circ. 6902: 14, 1936.

HAYSTACK. Au.

Near Haystack Butte and the Humboldt County line, seven miles south of Jumbo, W. P. R. R., and 22 miles northwest of Imlay by road.
Granite and quartzite.
Veins.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 206, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bur. Mines Inf. Circ. 6902: 15, 1936.

HOOKER. Gypsum.
(Gerlach, Washoe County)

In the Selenite Range, T. 30 N., R. 24 E., extending into T. 31 N., R. 24 E., unsurveyed, western Pershing County, twelve miles south of Gerlach, W. P. R. R.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 68 (anhydrite), 76 (wollastonite), 85 (gypsum), 1941.

Jones, J. C., Gypsum deposits of the United States: U. S. Geol. Survey Bull. 697: 150 (Nevada), 1920.

King, Clarence, Report of the geological exploration of the fortieth parallel (2): 808–9, Govt. Printing Office, Washington: 1877.

Mansfield, G. R., and Boardman, Leona, Nitrate deposits of the United States: U. S. Geol. Survey Bull. 838: 41, 1932.

HUMBOLDT. Ag, Au, Pb, Cu, Hg.
(Imlay, Eldorado, Prince Royal)

On the west flank of the north end of the Humboldt Range between Prince Royal and Eldorado canyons.
Jurassic sediments cut by granite and capped by Tertiary volcanics.
Veins, replacement deposits.

Browne, J. R., and Taylor, J. W., Reports upon the mineral resources of the United States: (for 1866), 28, Govt. Printing Office, Washington: 1867.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 52 (marcasite, covellite), 57 (cinnabar), 66 (idocrase), 70 (stibiconite), 83 (thenardite), 1941.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 213, 1912.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 206–207, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Ransome, F. L., Notes on some mining districts in Humboldt County, Nevada: U. S. Geol. Survey Bull. 414: 10, 45–6, 1909.

Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 124, 125, Govt. Printing Office, Washington: 1869.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1869), 192, Govt. Printing Office, Washington: 1870.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 264, Govt. Printing Office, Washington: 1876.

Russell, I. C., Sulphur deposits in Utah and Nevada: N. Y. Acad. Sci. Trans. 1: 168–175, 1882.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 198, 1917.

Schuette, C. N., Occurrence of quicksilver ore bodies: A. I. M. E. Tech. Pub. 335, July, 1930; A. I. M. E. Trans. 438: 1931.

Stearn, N. H., Stibnite in quartz: Am. Miner. 20 (1): 59–62, 1935.

Stretch, R. H., Nevada state mineralogist's report for 1866: 48–9, Carson City: 1867.

Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bur. Mines Inf. Circ. 6902: 16, 1936.

White, A. F., Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 24–5 (sulphur), Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 52–5, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 52–3, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 66, Carson City: 1877.

IMLAY (See HUMBOLDT)

INDIAN. Ag, Au.

Indian Canyon, on the east flank of the Humboldt Range, about 14 miles east of Oreana.
Placers, veins.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 207, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1870), 137, Govt. Printing Office, Washington: 1871.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1873), 212, Govt. Printing Office, Washington: 1874.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 260–1, Govt. Printing Office, Washington: 1875.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 187, Govt. Printing Office, Washington: 1876.
Stretch, R. H., Nevada state mineralogist's report for 1866: 52, Carson City: 1867.
Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bur. Mines Inf. Circ. 6902: 18, 1936.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 49–50, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 63–4, Carson City: 1877.

IRON HAT. Pb, Ag, Cu.
(Aldrich)

On the east slope of the Sonoma Range, 20 miles southwest of Valmy.
Replacement in limestone.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 207, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bur. Mines Inc. Circ. 6902: 8, 1936.

JERSEY. Ag, Pb, Hg.

In the Fish Creek Mountains near the Lander County line, 43 miles southwest of Battle Mountain, S. P. R. R.
Quartzite and porphyry.
Veins.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 79 (cerussite), 1941.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 207–208, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 188, Govt. Printing Office, Washington: 1875.
Schuette, C. N., Occurrence of quicksilver ore bodies: A. I. M. E. Tech. Pub. 335, 42–43, 1930; A. I. M. E. Trans. 440: 1931.
Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bur. Mines Inf. Circ. 6902: 19, 1936.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 52, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 82–3, Carson City: 1877.

JUNIPER RANGE. W, Cu, Ag, Au.

On the east slope of the Shawave Mountains, 20 miles west of Toy, S. P. R. R.
Sediments intruded by quartz diorite.
Contact metamorphic deposits.

Hess, F. L., and Larsen, E. S., Contact-metamorphic tungsten deposits of the United States: U. S. Geol. Survey Bull. 725D: 285–6, 1921.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 208, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 199, 1917.

KENNEDY. Au, Ag, Pb.

In the East Range on the east slope of Granite Peak, 52 miles by road southwest of Winnemucca, S. P. R. R., W. P. R. R.
Triassic sediments, granitic intrusives, and Tertiary volcanics.
Veins.

Hague, Arnold, Havallah and Pah-Ute Ranges. Report of the geological exploration of the fortieth parallel (2): 691, Govt. Printing Office, Washington: 1877.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 213, 1912.
King, Clarence, Report of the geological exploration of the fortieth parallel (1): 83–4, 278–9, Govt. Printing Office, Washington: 1878.
Klopstock, Paul, The Kennedy mining district, Nevada: A. I. M. E. Bull. June 1913; (Abst.), Min. & Eng. World 39: 63–5, 1913.
Lee, W. T. Stone, R. W., Gale, H. S., and others, Guidebook of the western United States, Part B, The Overland Route, with a side trip to Yellowstone Park: U. S. Geol. Survey Bull. 612: 175, 1915.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 208–209, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Ransome, F. L., Notes on some mining districts in Humboldt County, Nevada: U. S. Geol. Survey Bull. 414: 52–5, 1909.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.
Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bur. Mines Inf. Circ. 6902: 19, 1936.

LORING (See WILLARD)

LOVELOCK. Niter.
(Also see Lake District, Churchill County)

Ten miles south of Lovelock, S. P. R. R.

Gale, H. S., Nitrate deposits: U. S. Geol. Survey Bull. 523: 19–21, 1912.

MAJUBA HILL (See ANTELOPE)

MILL CITY. W, Ag, Cu.
(Central)

Seven miles northwest of Mill City, S. P. R. R., on the southeast slope of Eugene Mountains.

Sediments intruded by porphyritic rocks and granodiorite.

Replacements, contact metamorphic deposits.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 70 (scheelite), 80 (powellite), 1941.

Hess, F. L., and Larsen, E. S., Contact-metamorphic tungsten deposits of the United States: U. S. Geol. Survey Bull. 725D: 295–300, 1921.

Hewett, D. F., Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871: 91 (tungsten), 1936.

Kerr, P. F., Geology of the tungsten deposits near Mill City, Nevada: Univ. Nev. Bull. 28 (2): 1934.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 209–210, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 123–4, Govt. Printing Office, Washington: 1869.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1870), 133–4, 141, Govt. Printing Office, Washington: 1871.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1871), 212–3, 216–7, Govt. Printing Office, Washington: 1872.

Mining industry of states and territories west of the Rocky Mountains: (for 1872), 156, Govt. Printing Office, Washington: 1873.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1873), 213, Govt. Printing Office, Washington: 1874.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 264, Govt. Printing Office, Washington: 1875.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 190, Govt. Printing Office, Washington: 1876.

Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bur. Mines Inf. Circ. 6902: 21, 1936.

White, A. F., Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 26–7, Carson City: 1871.

Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 54, Carson City: 1873.

Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 52, Carson City: 1875.

Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 62, Carson City: 1877.

MINERAL BASIN. Fe, Hg, Ag, Sb, Pumice.

Near the Churchill County line, 25 miles southeast of Lovelock, S. P. R. R.

Triassic sediments, granitic intrusives, Tertiary volcanics and lacustrine sediments.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 210, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Schrader, F. C., Buena Vista iron deposits in Pershing and Churchill Counties.

Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bur. Mines Inf. Circ. 6902: 22, 1936.

MUTTLEBERRY. Ag, Pb, Cu, Sb, Gypsum.

In the Humboldt Range on Muttleberry Canyon, nine miles by road south of Lovelock, S. P. R. R.

Triassic and Jurassic sediments capped by Tertiary volcanics in places.

Jones, J. C., Gypsum deposits of the United States: U. S. Geol. Survey Bull. 697: 146–9 (Nevada), 1920.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 211, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Louderback, G. D., Gypsum deposits in United States: U. S. Geol. Survey Bull. 223: 112–117 (Nevada), 1904.

Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bur. Mines Inf. Circ. 6902: 22, 1936.

NIGHTINGALE. W.

On the east side of Winnemucca Lake, in the Nightingale Range, 52 miles west-southwest of Lovelock.

Sediments and quartz monzonite.

Contact metamorphic deposits.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 43 (garnet), 53 (pyrrhotite), 70 (scheelite), 75 (zoisite), 78 (zeolites), 80 (powellite), 1941.

Hess, F. L., and Larsen, E. S., Contact-metamorphic tungsten deposits of the United States: U. S. Geol. Survey Bull. 725D: 282–5, 1921.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 211–212, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Smith, W. C., and Guild, P. W., Tungsten deposits of the Nightingale district, Pershing County, Nevada: U. S. Geol. Survey Bull. 936-B: 1942.

Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bur. Mines Inf. Circ. 6902: 23, 1936.

OREANA. Dumortierite, Scheelite.

On the west slope of the Humboldt Range, six miles east of Oreana, S. P. R. R.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 42 (andalusite), 44 (dumortierite), 45 (beryl), 75 (zoisite), 1941.

Grawe, O. R., The mineralogy of dumortierite; megascopic mineralogy; bibliography: Univ. Nev. Bull. 22 (2): (Mackay School of Mines Bull. on dumortierite), 7–21, 27–30, 45–47, 1928.

Hess, F. L., and Larsen, E. S., Contact-metamorphic tungsten deposits of the United States: U. S. Geol. Survey Bull. 725: 295, 1922.

Jones, J. C., The geology of the deposit of dumortierite in Humboldt Queen Canyon, Pershing County, Nevada; petrography; origin of the deposit: Univ. Nev. Bull. 22 (2): (Mackay School of Mines Bull. on dumortierite), 23–26, 31–32, 33–34, 1928.

Kerr, P. F., Scheelite-beryl deposit at Oreana: (Abst.), Am. Miner. 20 (3), 1935. Geol. Soc. Am. Proc., 1934: 428–29, 1935.

Tungsten mineralization at Oreana, Nevada: Econ. Geol. 23 (4): 390–427, 1938.

Kerr, P. F., and Jenny, Phillip, The dumortierite-andalusite mineralization at Oreana, Nevada: Econ. Geol. 30 (3): 287–300, 1935.

Knopf, Adolph, Geology and ore deposits of the Rochester district, Nevada: U. S. Geol. Survey Bull. 762: 18–19, 1924.

ORO FINO (See SIERRA)

PLACERITES. Au, Cu.

In the low hills on the east slope of the Kama Mountains, 47 miles north of Lovelock, S. P. R. R., and 30 miles west of Mill City.

Placer deposits.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 212, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 81, 1932.

Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada : U. S. Bur. Mines Inf. Circ. 6902: 24, 1936.

Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 146, 1936.

PRINCE ROYAL (See HUMBOLDT)

PLEASANT VALLEY

Forty miles south of Winnemucca.

Berry, S. L., An earthquake in Nevada: Min. & Sci. Press 113: 52–53, 1916.

Jones, J. C., The Pleasant Valley, Nevada, earthquake of October 2, 1915: Seism. Soc. Amer. Bull. 5: 190–205, 1915.

Page, B. M., Fault scarps of 1915 in Pleasant Valley, Nevada: (Abst.), Pan.-Am. Geol. 61 (4): 312–313, 1934.

Basin range faulting of 1915 in Pleasant Valley, Nevada: (Abst.), Jour. Geol. 43 (7): 690–707, 1935.

RABBIT HOLE

In the Kamma Mountains, 50 miles north of Lovelock, S. P. R. R. and eight miles northwest of Scossa.

Placers.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 212, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Smith, A. M., and Vanderburg, W. O., Placer mining districts in Pershing County, Nevada: Univ. Nev. Bull. 26 (8): 81, 1932.

Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bureau of Mines Inf. Circ. 6902: 24, 1936.

Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 146, 1936.

RAGGED TOP. W, Cu.
(Copper Valley)

On the west slope of the Trinity Range, 10 miles by road west of Toulon, S. P. R. R.

Limestone, cut by quartz diorite dikes.

Contact metamorphic deposits.

Hess, F. L., and Larsen, E. S., Contact-metamorphic tungsten deposits of the United States: U. S. Geol. Survey Bull. 725D: 289–290, 1921.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 203–204, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bur. Mines Inf. Circ. 6902: 26, 1936.

RELIEF. Hg, Ag, Au, Sb.
(Antelope Springs)

Between Antelope Springs and Buffalo Peak in the Humboldt Range, 22 miles by road east of Lovelock, S. P. R. R.

Triassic limestone.

Veins.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 212–213, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1871), 216, Govt. Printing Office, Washington: 1872.

Mining industry of states and territories of the Rocky Mountains: (for 1872), 156, Govt. Printing Office, Washington: 1873.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1873), 212, Govt. Printing Office, Washington: 1874.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 261, Govt. Printing Office, Washington: 1875.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 187, Govt. Printing Office, Washington: 1876.

Schrader, F. C., The Rochester mining district, Nevada: U. S. Geol. Survey Bull. 580M: 361–64 (mercury, silver), 1914.

Schuette, C. N., Occurrence of quicksilver ore bodies: A. I. M. E. Tech. Pub. 335, 40–42, 1930; A. I. M. E. Trans.: 438, 1931.

Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bur. Mines Inf. Circ. 6902: 27, 1936.

White, A. F., Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 17–18, Carson City: (silver and antimony), 1871.

Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 55, Carson City: 1873.

Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 54, Carson City: 1875.

ROCHESTER. Au, Ag, Pb, Cu, Sb.
(American Canyon)

In the Humboldt Range, nine miles east of Oreana, S. P. R. R.

Permian volcanics.

Veins and placers.

Ferguson, H. G., The mining districts of Nevada: Econ. Geol. 24 (2): 1929.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 44 (dumortierite, tourmaline), 1941.
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Page, G. A., Raine, F. F., and Sullivan, V. R., Development of preliminary studies of pinite, a rock composed of hydrous aluminum silicates: Am. Cer. Soc. Jour. 23 (3): 71–77, 1940.
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Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1870), 137, Govt. Printing Office, Washington: 1871.
Schrader, F. C., The Rochester mining district, Nevada: U. S. Geol. Survey Bull. 580: 1914.
Ore deposits of the Rochester district, Nevada: (Abst.), Wash. Acad. Sci. Jour. 6: 518–9, 1916.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 190, 191, 192, 194, 197, 198, 1917.
Schuette, C. N., Occurrence of quicksilver ore bodies: A. I. M. E. Trans.: 438, (American Canyon), 1931.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 83, 1932.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 152, 1936.
Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bur. Mines Inf. Circ. 6902: 28, 1936.
Pinite: Eng. & Min. Jour. 141 (3): 42, 1940.
Anonymous, Rochester mining district, Nevada: Min. & Sci. Press, 106: 994, 1913.

ROSEBUD. Ag, Au, Cu, Pb.

In the Kamma Mountains, 10 miles southeast of Sulphur, W. P. R. R.
Jurassic sediments and Tertiary volcanics.
Veins, placer deposits.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 62 (jarosite), 1941.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 214, 1912.
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Lincoln, F. C., Mining districts and mineral resources of Nevada: 215, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Ransome, F. L., Notes on some mining districts in Humboldt County, Nevada: U. S. Geol. Survey Bull. 414: 25–6, 1909.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 191, 197, 198, 199, 1917.
Smith, A. M. and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 85, 1932.
Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bur. Mines Inf. Circ. 6902: 30, 1936.

RYE PATCH. Ag, Au, Cu, Pb, W, Fluorite, Beryl.
(Echo)

On the west flank of the Humboldt Range, four miles east of Rye Patch station, S. P. R. R.
Limestone cut by diabase dike.
Veins, contact metamorphic deposits.

Hess, F. L., and Larsen, E. S., Contact-metamorphic tungsten deposits of the United States: U. S. Geol. Survey Bull. 725D: 295, 1921.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 214, 1912.
Jenny, P. S., Geology of the central Humboldt Range, Nevada: Univ. Nev. Bull. 29 (6): 1935.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 204–205, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Ransome, F. L., Notes on some mining districts in Humboldt County, Nevada: U. S. Geol. Survey Bull. 414: 1909.
Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1869), 191–92, Govt. Printing Office, Washington: 1869.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1870), 134, Govt. Printing Office, Washington: 1871.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1871), 141, 213, 216, Govt. Printing Office, Washington: 1872.
Mining industry of states and territories of the Rocky Mountains: (for 1872), 156–7, Govt. Printing Office, Washington: 1873.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1873), 214, Govt. Printing Office, Washington: 1874.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 264, Govt. Printing Office, Washington: 1875.
Stretch, R. H., Nevada state mineralogist's report for 1866: 49–50, Carson City: 1867.
Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bur. Mines Inf. Circ. 6902: 33, 1936.

White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 37–8, Carson City: 1869.
Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 18–19, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 51, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 67, Carson City: 1877.
Biennial report of the state mineralogist of the State of Nevada for the years 1877 and 1878: 67, San Francisco: 1879.

SACRAMENTO. Ag, Au.

On the west flank of the Humboldt Range, about five miles east of Oreana, S. P. R. R.
Triassic limestone.
Veins and placer deposits.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 215–216, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Ransome, F. L., Notes on some mining districts in Humboldt County, Nevada: U. S. Geol. Survey Bull. 414: 33–5, 1909.
Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 125, Govt. Printing Office, Washington: 1869.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1869), 192, Govt. Printing Office, Washington: 1870.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1870), 137, Govt. Printing Office, Washington: 1871.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1873), 212, Govt. Printing Office, Washington: 1874.
Schrader, F. C., The Rochester mining district, Nevada: U. S. Geol. Survey Bull. 580M: 364–7, 1914.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 85, 1932.
Stretch, R. H., Nevada state mineralogist's report for 1866: 50, Carson City: 1867.
Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bur. Mines Inf. Circ. 6902: 34, 1936.
Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 154, 1936.

SAN JACINTO. Ag, Pb, As.

On the west flank of the Trinity Range, about 10 miles southwest of Humboldt, S. P. R. R.
Slate and granite.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 216, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bur. Mines Inf. Circ. 6902: 35, 1936.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 66–7, Carson City: 1877.

SANTA CLARA (See STAR)

SAWTOOTH. Au.
(Mandalay)

In the Antelope Range, in northern Pershing County, 12 miles northeast from Scossa by road.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 85, 1932.
Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bur. Mines Inf. Circ. 6902: 35, 1936.
Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 154, 1936.

SCOSSA. Au.

On the west slope of the Antelope Range, 28 miles west of Imlay, S. P. R. R.
Slates and schists interbedded with sandstones and limestones.
Veins.
Jones, J. C., Smith, A. M., and Stoddard, Carl, The preliminary survey of the Scossa mining district, Pershing County, Nevada: Univ. Nev. Bull. 25 (4): 1931.
Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bur. Mines Inf. Circ. 6902: 36, 1936.

SEVEN TROUGHS. Au, Ag, Cu, Pb.

On the east slope of the Seven Troughs Mountains, 30 miles northwest of Lovelock, S. P. R. R.
Veins in Tertiary volcanics.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 58 (proustite), 1941.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 214, 1912.
Lee, W. T., Stone, R. W., Gale, H. S., and others, Guidebook of the western United States, Part B., The Overland Route, with a side trip to Yellowstone Park: U. S. Geol. Survey Bull. 612: 179–180, 1915.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 216–217, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Ransome, F. L., Notes on some mining districts in Humboldt County, Nevada: U. S. Geol. Survey Bull. 414: 14–25, 1909.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 191, 192, 194, 197, 198, 199, 200, 1917.
Stuart, E. E., Nevada's mineral resources: 7, 121–2, Carson City: 1909.
Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bur. Mines Inf. Circ. 6902: 37, 1936.

SIERRA. Au, Ag, Pb, Cu, Graphite.
(Dun Glen, Chafey, Oro Fino, Sunshine)

In the north end of the East Range, 10 miles northeast of Mill City, S. P. R. R.
Limestone cut by volcanics.
Veins and placer deposits.
Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 332, Govt. Printing Office, Washington: 1868.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 212, 1912.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 217–218, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Ransome, F. L., Notes on some mining districts in Humboldt County, Nevada: U. S. Geol. Survey Bull. 414: 11, 49–52, 70, 1909.

Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 125–6, Govt. Printing Office, Washington: 1869.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1869), 192, Govt. Printing Office, Washington: 1870.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1870), 140, Govt. Printing Office, Washington: 1871.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1871), 213, Govt. Printing Office, Washington: 1872.

Mining industry of the states and territories of the Rocky Mountains: (for 1872), 155–6, Govt. Printing Office, Washington: 1873.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1873), 213, Govt. Printing Office, Washington: 1874.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 263–4, Govt. Printing Office, Washington: 1875.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 190, Govt. Printing Office, Washington: 1876.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 192, 194, 197, 198, 1917.

Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 86, 1932.

Stretch, R. H., Nevada state mineralogist's report for 1866: 53–4, Carson City: 1867.

Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bur. Mines Inf. Circ. 6902: 39, 1936.

Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 156, 1936.

White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 39–40, Carson City: 1869.

Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 25–6, Carson City: 1871.

Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 55–7, Carson City: 1873.

Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 51, Carson City: 1875.

Anonymous, Chafey, Nevada: Min. & Sci Press: 97, 625–6, 1908.

SOUTH AMERICAN CANYON

One mile south of American Canyon.

Placer deposits.

Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 87, 1932.

Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 156, 1936.

SPRING VALLEY. Au, Ag, Pb, Cu, Zn, Hg.
(Fitting, American)

On the east flank of the Humboldt Range, 14 miles by road east of Oreana, S. P. R. R.

Triassic sediments cut by granodiorite; capped by Tertiary volcanics.

Veins and placer deposits.

Bird, P. H., A new occurrence and X-ray study of mosesite: Am. Miner. 17 (12): 541–550, 1932.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 212, 1912.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 218–219, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Ransome, F. L., Notes on some mining districts in Humboldt County, Nevada: U. S. Geol. Survey Bull. 414: 12, 35–8, 1909.

Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1873), 212, Govt. Printing Office, Washington: 1874.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 260, Govt. Printing Office, Washington: 1875.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 187, Govt. Printing Office, Washington: 1876.

Schrader, F. C., The Rochester mining district, Nevada: U. S. Geol. Survey Bull. 580: 325–372, 1914.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 192, 194, 1917.

Schuette, C. N., Occurrence of quicksilver ore bodies: A. I. M. E. Tech. Pub. 335: 40, 1931.

Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 87, 1932.

Stretch, R. H., Nevada state mineralogist's report for 1866: 53, Carson City: 1867.

Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 159, 1936.

Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 59, Carson City: 1873.

Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 50, Carson City: 1875.

Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 63, Carson City: 1877.

STAR. Ag, Sb.
(Santa Clara)

In the northern end of the Humboldt Range near Star Canyon, 12 miles south of Mill City, S. P. R. R.

Triassic limestones and sandstones, with rhyolite flows.

Veins, lenses.

Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 420, Govt. Printing Office, Washington: 1868.

Browne, J. R., and Taylor, J. W., Reports upon the mineral resources of the United States: (for 1866), 33, 114, 117, Govt. Printing Office, Washington: 1867.
Cameron, E. N., Geology and mineralization of the northeastern Humboldt range, Nevada: Geol. Soc. Amer. Bull. 50 (4): 563–634, 1939.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 214, 1912.
King, Clarence, Report of the geological exploration of the fortieth parallel (3): 314–16, Govt. Printing Office, Washington: 1870.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 219–220, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Ransome, F. L., Notes on some mining districts in Humboldt County, Nevada: U. S. Geol. Survey Bull. 414: 7, 10–11, 41–3, 1909.
Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 126–9, 132–3, Govt. Printing Office, Washington: 1869.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1869), 192–3, Govt. Printing Office, Washington: 1870.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1870), 134, 141, Govt. Printing Office, Washington: 1871.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1871), 141, 208, 212, Govt. Printing Office, Washington: 1872.
Mining industry of states and territories of the Rocky Mountains: (for 1872), 155, Govt. Printing Office, Washington: 1873.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1873), 214–16, Govt. Printing Office, Washington: 1874.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 264–5, Govt. Printing Office, Washington: 1875.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 191, Govt. Printing Office, Washington: 1876.
Stretch, R. H., Nevada state mineralogist's report for 1866: 50–51, Carson City: 1867.
Stuart, E. E., Nevada's mineral resources: 120–21, Carson City: 1909.
Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bur. Mines Inf. Circ. 6902: 44, 1936.
White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 38–9, Carson City: 1869.
Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 23–5, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 57, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 50, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 63, Carson City: 1877.

Biennial report of the state mineralogist of the State of Nevada for the years 1877 and 1878: 65, Carson City: 1879.

STONEHOUSE (See FARRELL)

SUNSHINE (See SIERRA)

TABLE MOUNTAIN (See CHURCHILL COUNTY)

TRINITY. Ag, Pb, Sb, Au, Cu, W, Hg.
(Arabia)

Five miles west of Oreana, S. P. R. R., on the east flank of the Trinity Range.
Granodiorite and Mesozoic sediments.
Veins and contact metamorphic deposits.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 51 (jamesonite), 66 (idocrase), 78 (opal), 1941.
Hess, F. L., and Larsen, E. S., Contact-metamorphic tungsten deposits of the United States: U. S. Geol. Survey Bull. 725D: 292, 1921.
King, Clarence, Report of the geological exploration of the fortieth parallel (3): 297–300, Govt. Printing Office, Washington: 1870.
Knopf, Adolph, The antimonial silver-lead veins of the Arabia district, Nevada: U. S. Geol. Survey Bull. 660: 240–255, 1918.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 220–221, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 129–132, Govt. Printing Office, Washington: 1869.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1870), 137–9, Govt. Printing Office, Washington: 1871.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1873), 212, Govt. Printing Office, Washington: 1874.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 261, Govt. Printing Office, Washington: 1875.
Schuette, C. N., Occurrence of quicksilver ore bodies: A. I. M. E. Tech. Pub. 335: 40, 1931.
Stretch, R. H., Nevada state mineralogist's report for 1866: 55, Carson City, 1867.
Stuart, E. E., Nevada's mineral resources: 120, Carson City: 1909.
Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bur. Mines Inf. Circ. 6902: 12, 44, 1936.
White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 33–5, Carson City: 1869.
Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 16–17, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 50–51, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 67, Carson City: 1877.
Biennial report of the state mineralogist of the State of Nevada for the years 1877 and 1878: 66, San Francisco: 1879.

Anonymous, Antimony in Humboldt County, Nevada: Min. & Sci. Press 116: 127, 1918.

UNIONVILLE. Ag, Au, Pb, Cu, Sb, Fe.
(Buena Vista)

Twenty-five miles by road south of Mill City, on the east slope of the Humboldt Range.
Permian volcanics and Triassic sediments intruded by granite and covered in part by Tertiary volcanics.
Tertiary volcanics.
Replacement deposits.

Cameron, E. N., Geology and mineralization of the northeastern Humboldt range, Nevada: Geol. Soc. Amer. Bull. 50 (4): 613, 1939.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 214, 1912.
King, Clarence, Report of the geological exploration of the fortieth parallel (3): 308–314, Govt. Printing Office, Washington: 1870.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 202–203, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Ransome, F. L., Notes on some mining districts in Humboldt County, Nevada: U. S. Geol. Survey Bull. 414: 7, 10–11, 38–41, 1909.
Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 121–3, Govt. Printing Office, Washington: 1869.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1869), 187–190, Govt. Printing Office, Washington: 1870.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1870), 134–7, 141, Govt. Printing Office, Washington: 1871.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1871), 205–8, 216–17, Govt. Printing Office, Washington: 1872.
Mining industry of states and territories of the Rocky Mountains: for 1872), 153–5, Govt. Printing Office, Washington: 1873.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1873), 210–12, Govt. Printing Office, Washington: 1874.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 257–260, Govt. Printing Office, Washington: 1875.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 185–7, Govt. Printing Office, Washington: 1876.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 89, 1932.
Stretch, R. H., Nevada state mineralogist report for 1866: 52, Carson City: 1867.
Stuart, E. E., Nevada's mineral resources: 120, Carson City: 1909.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 162, 1936.
Reconnaissance of mining districts in Pershing County, Nev.: U. S. Bur. Mines Inf. Circ. 6902: 46, 1936.

White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 36–7, Carson City: 1869.
Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 19, 23, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 58–9, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 48–9, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 64, Carson City: 1877.
Biennial report of the state mineralogist of the State of Nevada for the years 1877 and 1878: 64–5, San Francisco: 1879.

VELVET. Au, Opal, Diatomite.

Ten miles west of Lovelock on the east slope of the Trinity Range.
Tertiary volcanics and lake sediments.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 221, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bur. Mines Inf. Circ. 6902: 48, 1936.

WASHIKI. Au, Ag, Pb.

Near Clear Creek on west slope of the Sonoma Range northeastern Pershing County, 25 miles by road south from Winnemucca.
Quartz veins in granite.

Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bur. Mines Inf. Circ. 6902: 49–50, 1936.

WILD HORSE. Pb, Ag, As, Cu, Sb.

Twelve miles southeast of Lovelock, on the east side of the Humboldt Range.
Triassic slates and limestones with monzonite intrusives.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 221, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bur. Mines Inf. Circ. 6902: 50, 1936.

WILLARD. Ag, Au, W, Fe, Hg.
(Loring)

Ten miles northeast of Lovelock, in the Humboldt Range, at west end of Coal Canyon.
Limestones, rhyolite, and basalt dikes.

Hess, F. L., and Larsen, E. S., Contact-metamorphic tungsten deposits of the United States: U. S. Geol. Survey Bull. 725: 246, 294, 1922.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 209, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Ransome, F. L., Notes on some mining districts in Humboldt County, Nevada: U. S. Geol. Survey Bull. 414: 12, 58, 1909.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 190, 194, 195, 198, 1917.
Vanderburg, W. O., Reconnaissance of mining districts in Pershing County, Nevada: U. S. Bur. Mines Inf. Circ. 6902: 50, 1936.
Anonymous, The new camp of Willard: Eng. & Min. Jour. 99: 1088–9, 1915.

STOREY COUNTY

CASTLE PEAK. Hg.
(Red Mountain)

Ten miles north of Virginia City, near the Washoe County line.
Tertiary andesite and Triassic sediments.
Veins.

Schuette, C. N., Occurrence of quicksilver ore bodies: A. I. M. E. Tech. Pub. 335: 44, 1931.

CHALK HILLS. Diatomite.
(Parker and Noe)

Nine miles northeast of Virginia City at the head of Long Valley.

Hill, J. M., Notes on the economic geology of the Ramsey, Talapoosa, and White Horse mining districts, in Lyon and Washoe Counties, Nevada: U. S. Geol. Survey Bull. 470: 108, 1911.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 221–22, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

COMSTOCK LODE. Au, Ag, Pb, Cu, Hg.
(Gold Hill, Flowery, Silver Star, Virginia City, Washoe)

Virginia City, on the east flank of Mount Davidson, 20 miles southeast from Reno.
Diorite and Tertiary volcanics.
Veins.

Barus, C., The electrical activity of ore bodies: A. I. M. E. Trans. 13: 428–435, 1885.
Bastin, E. S., Bonanza ores of the Comstock Lode, Virginia City, Nevada: U. S. Geol. Survey Bull. 735: 41–63, 1922.
Becker, G. F., Notes on a new feature in the Comstock Lode: Am. Jour. Sci. (3) 10: 459–462, 1875.
A summary of the geology of the Comstock Lode and the Washoe district: U. S. Geol. Survey Ann. Rept. 2: 291–330, 1882.
Geology of the Comstock Lode and the Washoe district: U. S. Geol. Survey Mon. 3: 1882.
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The Comstock Lode, its formation and history: New York, John Wiley and Sons: 1879.
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The heat of the Comstock Lode: A. I. M. E. Trans. 8: 324, 1880.
The geological battle of the Comstock: Eng. & Min. Jour. 41: 52, 1886.
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Propylitization and related types of alteration on the Comstock Lode: Econ. Geol. 35 (1): 1–16, 1940.
Dana, E. S., System of mineralogy: New York: 991 (wulfenite), 1900.
Emmons, W. H., The enrichment of ore deposits: U. S. Geol. Survey Bull. 625: 300–302, 1917.
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Gianella, V. P., Middle California and western Nevada: Internat. Geol. Cong. XVI, United States, 1933, Guidebook 16, Excursion C–I: 108–116 (Itinerary Reno to Walley Hot Springs and return), Washington: 1933.
New features of the geology of the Comstock Lode: Min. & Met. 15 (331): 290–300, 1934.
Geology of the Comstock region: (Abst.), Pan.-Am. Geol. 63 (4), 317–318, 1935; (Abst.), Geol. Soc. Am. Proc.: 339–340, June, 1936.
Geology of the Silver City district and the southern portion of the Comstock Lode, Nevada: Univ. Bull. 30 (9): 1936.
Grant, W. H., Résumé of geology of United Comstock mines: Min. & Met. 3 (191): 39–41, 1922.
Hague, Arnold, and Iddings, J. P., On the development of crystallization in the igneous rocks of Washoe, Nevada, with notes on the geology of the district: U. S. Geol. Survey Bull. 17, 1885; Review by R. W. Raymond, Eng. and Min. Jour. 40: 397–8, 1885.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 225, 1912.
King, Clarence, Report of the geological exploration of the fortieth parallel (3): 10–91, Govt. Printing Office, Washington: 1870.
Lee, W. T., Stone, R. W., Gale, H. S., and others, Guidebook of the western United States, Part B., The Overland route, with a side trip to Yellowstone Park: U. S. Geol. Survey Bull. 612: 189–190, 1915.
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Locke, Augustus, Four famous districts compared: Eng. & Min. Jour. 92: 505–6, 1911.
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Milton, Charles, and Johnston, W. D., Jr., Sulphate minerals of the Comstock Lode, Nevada: Econ. Geol. 33 (7): 749–771, 1938.
Reid, J. A., The structure and genesis of the Comstock Lode: Univ. Calif. Pub. Bull. Dept. Geol. Sci. 4, 177–199, 1905; (Abst.), Min. & Sci. Press 91: 244, 1905.
Richthofen, F., Baron, The Comstock Lode, its character and the probable mode of its continuance in depth: San Francisco: 1866.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.
Smith, D. T., Vein systems of the Comstock: Eng. and Min. Jour. 94: 895–6, 1912.

FLOWERY (See COMSTOCK)

GOLD HILL (See COMSTOCK)

PARKER AND NOE (See CHALK HILLS)

RED MOUNTAIN (See CASTLE PEAK)

SILVER STAR (See COMSTOCK)

VIRGINIA CITY (See COMSTOCK)

WASHOE (See COMSTOCK)

WASHOE COUNTY

BUFFALO SPRINGS. Salt, Sodium sulfate.

Near the mouth of Buffalo Creek, on the west edge of the Smoke Creek Desert; 25 miles west-southwest of Gerlach, W. P. R. R.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 233, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Free, E. E., The topographic features of the desert basins of the United States with reference to the possible occurrence of potash: U. S. Dept. Agr. Bull. 54: 16, 1914.

Phalen, W. C., Salt resources of the United States: U. S. Geol. Survey Bull. 669: 145–6, 1919.

Russell, I. C., Geological history of Lake Lahontan: U. S. Geol. Survey Mon. 11: 232–3, 1885.

COTTONWOOD. Au, Ag, Pb.

In the Fox Mountains (Lake Range), 10 miles north of Pah-rum Peak and 15 miles southwesterly from Gerlach.

Mesozoic sediments intruded by quartz-monzonite.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 225, 1912.

Some mining districts in northeastern California and northwestern Nevada: U. S. Geol. Survey Bull. 594: 181, 1915.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 233–234, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.

CRYSTAL PEAK (See PEAVINE)

DEEPHOLE. Au.

North of Smoke Creek Desert, about 10 miles north of Reynard, W. P. R. R.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 225, 1912.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 234, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.

DONNELLY. Au, Ag.

On the southwest flank of Division Peak, 39 miles north of Gerlach, W. P. R. R.

Sedimentary rocks intruded by granodiorite and capped by Tertiary volcanics.

Veins.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 234, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Vanderburg, W. O., Reconnaissance of mining districts in Humboldt County, Nevada: U. S. Bur. Mines Inf. Circ. 6995: 20, 1938.

FLANIGAN. Chara marl.

Four miles northwest of the Needles at the north end of Pyramid Lake, and six miles east of Flanigan on the Susanville branch S. P. R. R.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 234–235, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

GALENA. Pb, Au, Ag, Zn, Cu, As.

Fourteen miles south of Reno.

Metamorphosed sediments intruded by granodiorite.

Veins.

Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 327, Govt. Printing Office, Washington: 1868.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 226, 1912.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 235, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 76, Govt. Printing Office, Washington: 1869.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 190, 194, 195, 198, 1917.

Stretch, R. H., Nevada state mineralogist's report for 1866: 21–22, Carson City: 1867.

Stuart, E. E., Nevada's mineral resources: 152, Carson City: 1909.

White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 22, Carson City: 1869.

Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 7, Carson City: 1871.

Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 142, Carson City: 1873.

Biennial report of the state mineralogist of the State of Nevada for the years 1877 and 1878: 153, San Francisco: 1879.

GERLACH (See HOOKER, PERSHING COUNTY)

GRANITE MOUNTAIN (See PEAVINE)

JUMBO. Au, Ag.
(West Comstock)

On the west flank of Mt. Davidson in the Virginia Range west of Virginia City.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 226, 1912.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 236, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Stuart, E. E., Nevada's mineral resources: 152–3, Carson City: 1909.

LEADVILLE. Pb, Ag, Zn, Au, Nitrates.

Thirty-eight miles north of Gerlach, W. P. R. R.

Tertiary volcanics.

Veins.

Gale, H. S., Nitrate deposits: U. S. Geol. Survey Bull. 523: 23–5, 1912.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 79 (anglesite), 80 (aragonite), 85 (soda niter), 1941.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 225, 1912.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 236–237, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 195, 1917.

LITTLE VALLEY. Au.

Six miles southwest of Washoe Lake near Marlette Lake.
Placer deposits.

Reid, J. T., A Tertiary river channel near Carson City, Nevada: Min. & Sci. Press 96: 522–25, 1908.
The geomorphogeny of the Sierra Nevada northeast of Lake Tahoe: Univ. Cal. Pub. Bull. Dept. Geol. Sci. 6: 89–161, 1911.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 90, 1932.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 163, 1936.

OLINGHOUSE. Au, Pl, Ag.
(White Horse)

Nine miles west of Wadsworth, S. P. R. R., in the Rah Rah (Pah Rah) Range.
Tertiary volcanics.
Veins and placer deposits.

Hill, J. M., Notes on the economic geology of the Ramsey, Talapoosa, and White Horse mining districts in Lyon and Washoe Counties, Nevada: U. S. Geol. Survey Bull. 470: 99–106, 1911.
The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 226, 1912.
Lee, W. T., Stone, R. W., Gale, H. S., and others, Guidebook of the western United States, Part B, The Overland Route, with a side trip to Yellowstone Park: U. S. Geol. Survey Bull. 612: 186, 1915.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 240, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 91, 1932.
Stuart, E. E., Nevada's mineral resources: 7, Carson City: 1909.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 164, 1936.

PEAVINE. Au, Ag, Cu, W, Pb, Diatomite.
(Crystal Peak, Granite Mountain, Reno)

Ten miles northwest of Reno.
Schists, quartz monzonite, and Tertiary volcanics.
Veins, replacements, and placer deposits.

Anderson, Robert, Geology and oil prospects of the Reno region, Nevada: U. S. Geol. Survey Bull. 381: 475–493, 1910.
Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 216, 316–17, Govt. Printing Office, Washington: 1868.
Browne, J. R., and Taylor, J. W., Reports upon the mineral resources of the United States: (for 1866), 97, 155, Govt. Printing Office, Washington: 1867.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 50 (enargite, arsenopyrite, bornite), 57 (cuprite), 69 (melanterite), 70 (stibiconite), 71 (rhodochrosite), 72 (sphene), 74 (zoisite), 76 (microcline), 77 (zeolites), 1941.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 225–7, 1912.

Some mining districts in northeastern California and northwestern Nevada: U. S. Geol. Survey Bull. 594: 184–195, 1915.
Jones, J. C., and Gianella, V. P., Middle California and western Nevada: Internal. Geol. Cong. XVI, United States, 1933, Guidebook 16, Excursion C-1: 96-116 (Reno and vicinity), Washington: 1933.
King, Clarence, Report of the geological exploration of the fortieth parallel (3): 296–7, Govt. Printing Office, Washington: 1870.
Lee, W. T., Stone, R. W., Gale, H. S., and others, Guidebook of the western United States, Part B, The Overland Route: U. S. Geol. Survey Bull. 612: 192, 1915.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 237–238, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Louderback, G. D., General geologic features of the Truckee region east of the Sierra Nevada: Geol. Soc. Am. Bull. 18: 662–9, 1903.
Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 76, Govt. Printing Office, Washington: 1869.
Reid, J. A., Preliminary report on the building stones of Nevada: Univ. Nev. Bull. Dept. Geol. and Mines 1(1): 1904.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 198, 1917.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 91, 1932.
Stretch, R. H., Nevada state mineralogist's report for 1866: 21, 22–3, Carson City: 1867.
Stuart, E. E., Nevada's mineral resources: 151–2, Carson City: 1909.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 164, 1936.
White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 22, Carson City: 1869.
Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 4, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 142, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 83, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 159–160, Carson City: 1877.
Biennial report of the state mineralogist of the State of Nevada for the years 1877 and 1878: 151–2, San Francisco: 1879.

PYRAMID. Cu, Ag, Au, Pb.

In the Virginia Range, 32 miles north of Reno, S. P. R. R.
Tertiary volcanics.
Veins.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 69 (melanterite), 80 (aragonite), 1941.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 238, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 190, 1917.

Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 158–9, Carson City: 1877.
Biennial report of the state mineralogist of the State of Nevada for the years 1877 and 1878: 153, San Francisco: 1879.

RENO (See PEAVINE)

SAND PASS. Clay.

Twenty-two miles by road north of Sand Pass, W. P. R. R.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 238, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

SHEEPHEAD. Au.

Fifteen miles west of Reynard, W. P. R. R.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 226, 1912.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.

STEAMBOAT SPRINGS. Hg, S, Pb, Zn.

Nine miles south of Reno. Station on V. & T. R. R.
Paleozoic sediments and Tertiary volcanics.
Impregnations.

Becker, G. F., Descriptive geology of the Steamboat Springs district: U. S. Geol. Survey Mon. 13: 331–353, 1888.
Browne, J. R., and Taylor, J. W., Reports upon the mineral resources of the United States: (for 1866), 94, Govt. Printing Office, Washington: 1867.
Reports on the mineral resources of the United States: (for 1867), 307–8, Govt. Printing Office, Washington: 1868.
Gianella, V. P., Middle California and western Nevada: Internat. Geol. Cong. XVI, United States, 1933, Guidebook 16, Excursion C–1; 108–116 (Itinerary, Reno to Walley Hot Springs and return), Washington: 1933.
Mineral deposition at Steamboat Springs, Nevada: (Abst.), Econ. Geol. 34 (4): 471–472, 1939.
Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 49 (stibnite), 52 (marcasite, covellite), 55 (mercury), 57 (cinnabar), 63 (copiapite, sulphur), 68 (chalcanthite), 81 (alunite), 1941.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 226, 1912.
Jones, J. C., The occurrence of stibnite at Steamboat Springs, Nevada: Science n. s. 35: 775–6, 1912.
Occurrence of stibnite and metastibnite at Steamboat Springs, Nevada: (Abst.), Geol. Soc. Am. Bull. 25: 126, 1914.
Le Conte, Joseph, On mineral vein formation now in progress at Steamboat Springs compared with the same at Sulphur Bank: Am. Jour. Sci. (3), 25: 424–8, 1883.
Lee, W. T., Stone, R. W., Gale, H. S., and others, Guidebook of the western United States, Part B., The Overland Route, with a side trip to Yellowstone Park: U. S. Geol. Survey Bull. 612: 191, 1915.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 239, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Lindgren, Waldemar, Metallic sulphides from Steamboat Springs, Nevada: (Abst.), Science n. s. 17: 729, 1903.

The occurrence of stibnite at Steamboat Springs, Nevada: (Abst.), A. I. M. E. Trans. 36: 27–31, 1906.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 192, 1917.
Schuette, C. N., Occurrence of quicksilver ore bodies: A. I. M. E. Tech. Pub. 335: July, 1930; A. I. M. E. Trans. 438: 403–488, 1931.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 157, Carson City: 1877.

WEDEKIND. Ag, Au, Pb, Zn.

Four miles northeast of Reno.
Tertiary volcanics.
Veins and replacement deposits.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 79 (cerussite), 79 (anglesite), 1941.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 226, 1912.
Some mining districts in northeastern California and northwestern Nevada: U. S. Geol. Survey Bull. 594: 195–6, 1915.
Lee, W. T., Stone, R. W., Gale, H. S., and others, Guidebook of the western United States, Part B., The Overland Route, with a side trip to Yellowstone Park: U. S. Geol. Survey Bull. 612: 188, 1915.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 239–240, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Morris, H. C., Hydrothermal activity in the veins at Wedekind, Nevada: Eng. and Min. Jour. 76: 275–6, 1903.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 198, 1917.

WEST COMSTOCK (See JUMBO)

WHITE HORSE (See OLINGHOUSE)

WHITE PINE COUNTY

AURUM. Ag, Pb, Cu, Au, Mn.
(Muncy Creek, Queen Springs, Ruby Hill, Schellbourne, Schell Creek, Siegal, Silver Canyon, Silver Mountain)

In the northern part of the Shell Creek Range, 18 miles southeast of Cherry Creek.
Paleozoic sediments intruded by granite; also Tertiary lavas.
Veins and replacement deposits.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 53 (pyrrhotite), 1941.
Hewett, D. F., and Rove, O. N., Occurrence and relations of alabandite: Econ. Geol. 25 (1): 36–56, 1930.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 226, 1912.
Notes on some mining districts in eastern Nevada: U. S. Geol. Survey Bull. 648: 186–196, 1916.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 241, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Pardee, J. T., and Jones, E. L., Jr., Deposits of manganese ore in Nevada: U. S. Geol. Survey Bull. 710F: 212–16, 1920.
Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1871), 200–203, Govt. Printing Office, Washington: 1872.
Mining industry of states and territories of the Rocky Mountains: (for 1872), 168–9, Govt. Printing Office, Washington: 1873.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1873), 229, Govt. Printing Office, Washington: 1874.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 266, 277–8, Govt. Printing Office, Washington: 1875.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 192–3, Govt. Printing Office, Washington: 1876.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 198, 1917.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 38–47 (Schell Creek Range), 1903.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 144–5, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 88, Carson City: 1875.
Wiel, S. C., A Nevada ore deposit (Schellbourne Range): Min. Sci. Press 88: 330–331, 1904.

BALD MOUNTAIN. Ag, Cu, Au, W, Hg.
(Joy)

In the south end of the Ruby Range near Bald Mountain, 70 miles south of Elko, S. P. R. R.
Paleozoic sediments intruded by quartz monzonite porphyry.

Hess, F. L., and Larsen, E. S., Contact-metamorphic tungsten deposits of the United States: U. S. Geol. Survey Bull. 725D: 306–7, 1921.
Hill, J. M., Notes on some mining districts in eastern Nevada: U. S. Geol. Survey Bull. 648: 152–161, 1916.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 241–242, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 192, Govt. Printing Office, Washington: 1876.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 91, 1932.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 166, 1936.
White, A. F., Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 78–9, Carson City: 1871.

BLACK HORSE. Au, Ag.

On the east flank of the Snake Range, 49 miles east-southeast of Ely.
Paleozoic sediments cut by granite porphyry.
Veins.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 226–7, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 242, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 1917.
Weeks, F. B., Geology and mineral resources of the Osceola mining district, White Pine County, Nevada: U. S. Geol. Survey Bull. 340: 123–4, 1908.

BONITA (See SNAKE RANGE)

CHERRY CREEK. Au, Ag, Cu, Pb, W, Mn.
(Egan Canyon, Gold Canyon)

In the Egan Range, 50 miles north of Ely.
Paleozoic sediments intruded by quartz monzonite porphyry.
Veins.

Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 402, 407, 411, Govt. Printing Office, Washington: 1868.
Emmons, S. F., Egan Canyon district: Report of the geological exploration of the fortieth parallel (3): 445–49, Govt. Printing Office, Washington: 1870.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 48 (tetrahedrite), 50 (molybdenite), 79 (barite), 1941.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 227, 1912.
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Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1873), 227–9, Govt. Printing Office, Washington: 1874.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 267, 273–7, Govt. Printing Office, Washington: 1875.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 189, 192, 193, Govt. Printing Office, Washington: 1876.

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Schrader, F. C., Spruce Mountain district, Elko County, and Cherry Creek (Egan Canyon) district, White Pine County, Nevada: Univ. Nev. Bull. 25 (7): 39, 1931.

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Stuart, E. E., Nevada's mineral resources: 100–101, Carson City: 1909.

White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 58–60, Carson City: 1869.

Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 79–80, Carson City: 1871.

Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 145, Carson City: 1873.

Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 88, Carson City: 1875.

Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 165–6, Carson City: 1877.

Biennial report of the state mineralogist of the State of Nevada for the years 1877 and 1878: 158–160, San Francisco: 1879.

DUCK CREEK. Pb, Ag, Au, Cu, Zn.
(Success)

In the Shell Creek Range near the head of Duck Creek, three miles from McGill.

Paleozoic limestones and shales; also Tertiary volcanics.

Replacements and veins.

Hill, J. M., Notes on some mining districts in eastern Nevada: U. S. Geol. Survey Bull. 648: 196–199, 1916.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 244–245, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 40, 1903.

EAGLE (See TUNGSTONIA)

EGAN CANYON (See CHERRY CREEK)

ELY (See ROBINSON)

GOLD CANYON (See CHERRY CREEK)

GRANITE. Au, Ag, Pb.
(Steptoe)

Six miles southwest of Granite on the east flank of the Egan Range.

Paleozoic sediments intruded by granite.

Veins and replacements.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 71 (siderite), 1941.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 228, 1912.

Notes on some mining districts in eastern Nevada: U. S. Geol. Survey Bull. 648: 174–180, 1916.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 251, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194–195, 1917.

Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 47–54 (Egan Range), 1903.

Stuart, E. E., Nevada's mineral resources: 103–5, Carson City: 1909.

HAMILTON (See WHITE PINE)

HUB (See TUNGSTEN)

HUNTER. Pb, Cu, Ag.

On the west flank of the Egan Range, 10 miles southwest of Granite.

Dolomitic limestone and Cambrian quartzite.

Veins and replacement deposits.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 228, 1912.

Notes on some mining districts in eastern Nevada: U. S. Geol. Survey Bull. 648: 172–4, 1916.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 251, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 192–3, Govt. Printing Office, Washington: 1876.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 195, 1917.

Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 47–54 (Egan Range), 1903.

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Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 89, Carson City: 1875.

Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 171, Carson City: 1877.

JOY (See BALD MOUNTAIN)

KERN (See TUNGSTONIA)

LEXINGTON (See SHOSHONE)

LINCOLN (See TUNGSTEN)

MINERVA (See SHOSHONE)

MUNCY CREEK (See AURUM)

NEVADA. Mn, Ag.

Ten miles southeast of Ely, on the west slope of the Shell Creek Range.
Limestone.
Replacement deposits.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 252, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Pardee, J. T., and Jones, E. L., Jr., Deposits of manganese ore in Nevada: U. S. Geol. Survey Bull. 710F: 216–18, 1920.
Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 273, Govt. Printing Office, Washington: 1875.
Roberts, R. J., Manganese deposits in the Nevada district, White Pine County, Nevada: U. S. Geol. Survey Bull. 931-M: 295–318, 1942.
White, A. F., Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 84–5, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 87, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 166–7, Carson City: 1877.

NEWARK. Ag, Pb, Cu, Au.
(Strawberry)

On the east slope of the Diamond Range, 29 miles northeast of Eureka.
Paleozoic limestones.
Veins.

Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 402, Govt. Printing Office, Washington: 1868.
Hague, Arnold, Geology of the White Pine district: Report of the geological exploration of the fortieth parallel (3): 443–4, Govt. Printing Office, Washington: 1870.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 252, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 97–8, Govt. Printing Office, Washington: 1869.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 267–8, Govt. Printing Office, Washington: 1875.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 192, Govt. Printing Office, Washington: 1876.

Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 198, 1917.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 81–4, 1903.
Stretch, R. H., Nevada state mineralogist's report for 1866: 98, Carson City, 1867.
Stuart, E. E., Nevada's mineral resources: 95, Carson City: 1909.
White, A. F., Report of the state mineralogist of Nevada for the years 1867 and 1868: 48–9, Carson City: 1869.
Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 65, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1877 and 1878: 155–6, San Francisco: 1879.

OSCEOLA. Au, Ag, Pb, W, Phosphate Rock.
(Weaver Creek, Summit Diggings)

On the west slope of the Snake Range, about 40 miles southeast of Ely.
Paleozoic sediments intruded by granite.
Veins and placer deposits.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 66 (fluorite), 1941.
Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 227–28, 1912.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 253, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 195, 197, 198, 1917.
Smith, A. M., and Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 26 (8): 92, 1932.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 25–36 (Snake Range), 1903.
Stuart, E. E., Nevada's mineral resources: 98–100, Carson City: 1909.
Vanderburg, W. O., Placer mining in Nevada: Univ. Nev. Bull. 30 (4): 167, 1936.
Weeks, F. B., Geology and mineral resources of the Osceola mining district, White Pine County, Nevada: U. S. Geol. Survey Bull. 340: 117–133, 1908.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 78, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 170–71, Carson City: 1877.
Biennial report of the state mineralogist of the State of Nevada for the years 1877 and 1878: 157–58, San Francisco: 1879.

PIERMONT. Ag, Au.

On the east slope of the Shell Creek Range, about 12 miles south of Muncy Creek.
Slate and quartzite.
Veins.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 253–254, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1871), 203–204, Govt. Printing Office, Washington: 1872.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 193, Govt. Printing Office, Washington: 1876.
White, A. F., Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 84, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 144, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 89, Carson City: 1875.

PLEASANT VALLEY (See TUNGSTONIA)

QUEEN SPRINGS (See AURUM)

REGAN (See TUNGSTONIA)

ROBINSON. Cu, Au, Ag, Pb, Zn, Mn.
(Ely)

In the vicinity of Robinson Canyon in the Egan Range, a few miles from Ely.
Paleozoic sediments intruded by monzonite, also Tertiary volcanics.
Veins and replacements.

Bateman, A. M., The copper deposits of Ely, Nevada: 16th Internat. Geol. Congress. Copper resources of the world: 307–321, 1935.
Bullock, W. S., The low-grade copper deposits at Ely, Nevada: Eng. & Min. Jour. 83: 509–511, 1907.
Copper deposits at Ely, Nevada: Min. & Met. 27: 518–520, 1907.
Ferguson, H. G., The mining districts of Nevada: Econ. Geol. 24 (2): 1929.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 49 (braunite), 43 (garnet), 52 (molybdenite), 54 (malachite), 53 (azurite), 55 (turquoise), 66 (fluorite), 68 (chalcanthite), 1941.
Ingalls, W. R., The copper mines of Ely, Nevada: Eng. & Min. Jour. 84: 675–682, 1907.
Lawson, A. C., The copper deposits of the Robinson mining district, Nevada: Cal. Univ. Dept. Geol. Bull. 4, 287–357, 1906; Review by W. Lindgren, Econ. Geol. 2: 195–304, 1907.
Lee, W. T., Stone, R. W., Gale, H. S., and others, Guidebook of the western United States, Part B, The Overland Route, with a side trip to Yellowstone Park: U. S. Geol. Survey Bull. 612: 160, 1915.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 245–251, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Pabst, Adolf, Garnets from vesicles in rhyolite near Ely, Nevada: Am. Miner. 23 (2): 101–103, 1938.
Pardee, J. T., and Jones, E. L., Jr., Deposits of manganese ore in Nevada: U. S. Geol. Survey Bull. 710: 218–220, 1920.
Pennebaker, E. N., Geology of the Robinson (Ely) mining district in Nevada: Min. & Met. 13 (304): 163–168, 1932.

Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1870), 158–59, Govt. Printing Office, Washington: 1871.
Mining industry of states and territories of the Rocky Mountains: (for 1872), 169–170, Govt. Printing Office, Washington: 1873.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1873), 226–27, Govt. Printing Office, Washington: 1874.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 267, 272–73, Govt. Pritning Office, Washington: 1875.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 192–193, Govt. Printing Office, Washington: 1876.
Roberts, R. J., and Nelson, J. M., Manganese deposits in the Nevada district, near Ely, Nevada: Dept. Int. Press Mem. 159–196: September 19, 1941.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 192, 193, 194, 196, 197, 1917.
Smith, F. D., The Ely mining district, Nevada: Eng. & Min. Jour. 70: 217, 1900.
Spencer, A. C., Notes on the Ely district, Nevada: U. S. Geol. Survey Bull. 529: 189–191, 1913.
The geology and ore deposits of Ely, Nevada: U. S. Geol. Survey Prof. Paper 96, 1917: Min. & Sci. Press 116, 857–862, 1918: Eng. & Min. Jour. 105: 105, 1918.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 47–54, 1903.
Stuart, E. E., Nevada's mineral resources: 96–98, Carson City: 1909.
Weed, W. H., Brief notes on the geology of the Ely district, Nevada: Min. & Eng. World 36 (23): 1198, 1912.
White, A. F., Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 36–37, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 144, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 86–87, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 167, Carson City: 1877.
Biennial report of the state mineralogist of the State of Nevada for the years 1877 and 1878: 157, San Francisco: 1879.

RUBY HILL (See AURUM)

SACRAMENTO. Au, Ag, W.

On the west slope of the Snake Range at Sacramento Pass.
Paleozoic limestones and shales.
Veins.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 254, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1869), 179, Govt. Printing Office, Washington: 1870.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 193–194, Govt. Printing Office, Washington: 1876.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 25–36 (Snake Range), 1903.
White, A. F., Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 83, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 89, Carson City: 1875.

SCHELLBOURNE (See AURUM)

SCHEEL (SCHELL) CREEK (See AURUM)

SHOSHONE. Ag, W.
(Minerva, Lexington)

On the west flank of the Snake Range, 55 miles southeast from Ely.
Limestone.
Veins and replacement deposits.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 254–255, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1869), 180, Govt. Printing Office, Washington: 1870.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 193, Govt. Printing Office, Washington: 1876.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 25–36 (Snake Range), 1903.
White, A. F., Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 96, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 145, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 77, 78, 89, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 171, Carson City: 1877.

SIEGAL (See AURUM)

SILVER CANYON (See AURUM)

SILVER MOUNTAIN (See AURUM)

SNAKE. W, Ag.
(Bonita)

South of Baker on the east slope of the Snake Range.
Granite.
Veins.

Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 70 (scheelite), 1941.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 255, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1869), 180, Govt. Printing Office, Washington: 1870.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 25–36 (Snake Range), 1903.
White, A. F., Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 84, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 145, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 89, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 171, Carson City: 1877.

STEPTOE (See GRANITE)

STRAWBERRY (See NEWARK)

SUCCESS (See DUCK CREEK)

SUMMIT (See OSCEOLA)

TAYLOR. Ag, Au, Cu, Pb.

On the western slope of the Schell Creek Range, 16 miles southeast of Ely.
Ordovician limestone intruded by granite.
Veins and pyrometasomatic deposits.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 228, 1912.
Notes on some mining districts in eastern Nevada: U. S. Geol. Survey Bull. 648: 200–202, 1916.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 255–257, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 194, Govt. Printing Office, Washington: 1876.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 194, 198, 1917.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 77, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 172, Carson City: 1877.

TUNGSTEN. W, Ag.
(Hub, Lincoln)

Forty-five miles southeast of Ely, on the west flank of the Snake Range.
Paleozoic quartzite and argillites intruded by granite porphyry.
Veins.

Lincoln, F. C., Mining districts and mineral resources of Nevada: 256, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.

Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 25–36 (Snake Range), 1903.
Weeks, F. B., An occurrence of tungsten ore in eastern Nevada: U. S. Geol. Survey 21st Ann. Rept. 6: 301, 319–320, 1901.
Tungsten deposits in the Snake Range, White Pine County, eastern Nevada: U. S. Geol. Survey Bull. 340: 263–270, 1908.
White, A. F., Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 95–96, Carson City: 1871.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 145, Carson City: 1873.

TUNGSTONIA. Pb, Ag, Au, Cu, W.
(Eagle, Kern, Pleasant Valley, Regan)

In the Kern Mountains near the Nevada-Utah boundary, 65 miles east-southeast from Cherry Creek.
Sedimentary rocks intruded by granite.
Veins and pegmatites.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 228, 1912.
Notes on some mining districts in eastern Nevada: U. S. Geol. Survey Bull. 648: 202–207, 1916.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 245, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Raymond, R. W., Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1869), 178, Govt. Printing Office, Washington: 1870.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 193–194, Govt. Printing Office, Washington: 1876.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the United States: U. S. Geol. Survey Bull. 624: 195, 198, 1917.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 28–29 (Kern Mountains), 1903.
White, A. F., Report of the mineralogist of the State of Nevada for the years 1869 and 1870: 81–83, Carson City: 1871.

WARD. Ag, Pb, Cu.

On east slope of the Egan Range, 10 miles south of Ely.
Carboniferous limestone intruded by quartz monzonite dikes.
Veins and replacement deposits.

Hill, J. M., The mining districts of the western United States: U. S. Geol. Survey Bull. 507: 228, 1912.
Notes on some mining districts in eastern Nevada: U. S. Geol. Survey Bull. 648: 180–186, 1916.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 256, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Plate, H. R., The old camp of Ward, Nevada: Min. & Sci. Press 94: 281, 1907.
Raymond, R. W., Mining industry of states and territories of the Rocky Mountains: (for 1872), 171–172, Govt. Printing Office, Washington: 1873.

Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1874), 272, Govt. Printing Office, Washington: 1875.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1875), 193–194, Govt. Printing Office, Washington: 1876.
Spurr, J. E., Descriptive geology of Nevada south of the fortieth parallel and adjacent portions of California: U. S. Geol. Survey Bull. 208: 47–54 (Egan Range), 1903.
Whitehill, H. R., Biennial report of the state mineralogist of the State of Nevada for the years 1871 and 1872: 114, Carson City: 1873.
Biennial report of the state mineralogist of the State of Nevada for the years 1873 and 1874: 75, Carson City: 1875.
Biennial report of the state mineralogist of the State of Nevada for the years 1875 and 1876: 167–170, Carson City: 1877.
Biennial report of the state mineralogist of the State of Nevada for the years 1877 and 1878: 160–175, San Francisco: 1879.

WEAVER CREEK (See OSCEOLA)

WHITE PINE. Pb, Ag, Cu, Au, Zn.
(Hamilton)

In the White Pine Range near Treasure Peak, 36 miles west of Ely.
Paleozoic sediments, granodiorite, and monzonite.
Veins and replacement deposits.

Browne, J. R., Reports on the mineral resources of the United States: (for 1867), 404, 411, Govt. Printing Office, Washington: 1868.
Clayton, J. E., On the geological structure and mode of occurrence of the silver ores in the White Pine district: Cal. Acad. S. P. 4: 89, 1873.
Ferguson, H. G., The mining districts of Nevada: Econ. Geol. 24 (2): 1929.
Gianella, V. P., Nevada's common minerals: Univ. Nev. Bull. 35 (6), Geol. and Min. ser. (36): 80 (powellite), 1941.
Hague, Arnold, Geology of the White Pine district. Report of the geological exploration of the fortieth parallel (3): 409–444, Govt. Printing Office, Washington: 1870.
Lee, W. T., Stone, R. W., Gale, H. S., and others, Guidebook of the western United States, Part B, The Overland Route, with a side trip to Yellowstone Park: U. S. Geol. Survey Bull. 612: 160, 1915.
Lincoln, F. C., Mining districts and mineral resources of Nevada: 257–59, Nev. Newsletter Pub. Co., Reno, Nevada: 1923.
Raymond, R. W., Mineral resources of the states and territories west of the Rocky Mountains: (for 1868), 85–94, 96–98, Govt. Printing Office, Washington: 1869.
Statistics of mines and mining in the states and territories west of the Rocky Mountains: (for 1869), 146–175, Govt. Printing Office, Washington: 1870.
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PART II

BIBLIOGRAPHY OF GEOLOGIC MAPS OF NEVADA AREAS

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FOREWORD

For many years the mining industry of Nevada has requested that a general geologic map of the State be prepared. The value of such a map as an aid toward the development of the mineral resources of the State can be fully appreciated by all.

In 1930, and again in 1939, this Bureau undertook to assemble data and secure the cooperative aid of the U. S. Geological Survey in the preparation of such a general geologic map. At both times it was the opinion of the Survey that an attempt at preparing a map of this nature would be premature. As a brief explanation for that contention, only about three-eighths of the State's area has been topographically mapped, and approximately the same area adequately mapped geologically.

This project remained dormant until along with this present compilation of all geologic literature of Nevada, a companion compilation of all geologic maps was undertaken by our Bureau. As a result of this search the following "Bibliography of Geologic Maps of Nevada Areas" was prepared.

This bibliography differs from the preceding one of geologic literature in that it is limited to geologic references that are accompanied by geologic maps but includes references published up to June 1945.

Attention is directed to the infrequent references in this bibliography to the geologic maps accompanying the "Report of the Geological Exploration of the Fortieth Parallel" for the reason that recent geological findings have disclosed serious errors in this older work.

It was the initial object of this Bureau to list the geologic map references by mining districts, but this proved impractical as can be readily appreciated after reading Dr. V. P. Gianella's brief discussion of the vagueness of the boundaries of mining districts; therefore, as a practical alternative these references had been listed by counties only. In addition to this the areas to which the geologic maps apply have been indicated on a general State reference map on file in the office of this Bureau. All this work is but a preliminary step toward the ultimate goal of a geologic map of Nevada to be prepared by the U. S. Geological Survey.

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