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FOREWORD

This bulletin is supplemental to that part of United States Geological Survey Bulletin No. 507 which deals with Nevada, to which has been added a section listing the nonmetal occurrences. The bibliography of the mining districts listed in Bulletin 507 is complete to 1912. In this bulletin the bibliography of the districts listed in Bulletin 507 covers the period between 1912 and 1932 only, so that references prior to 1912 must be looked for in Bulletin 507. The data were compiled by the United States Geological Survey. Mr. Carl Stoddard of the State Bureau of Mines checked the compilation, located the mining districts on the map and wrote the introduction, drawing freely on those parts of the United States Geological Survey Bulletin 507 that were applicable, as indicated in foot notes.

It is interesting to note that the present compilation includes nearly twice as many Nevada mining districts as Bulletin 507, and that the State is now extensively producing tungsten, quicksilver, aluminum silicate for refractories, and bentonitic clays—all of which were unimportant items prior to about 1916.
METAL AND NONMETAL OCCURRENCES IN NEVADA

PART I—INTRODUCTION

By CARL STODDARD

ORIGIN AND SCOPE OF THE WORK

The mining districts of the western United States were catalogued and maps prepared showing the location of the districts by predominant metals by Mr. J. M. Hill in 1910. The work was published as United States Geological Survey Bulletin No. 509 in 1912. In 1931 the United States Geological Survey made a new compilation of the mining districts in Nevada along the same general lines followed in Bulletin 507, but added a section on nonmetal occurrences. The Nevada State Bureau of Mines contributed its data to the compilation and issued this bulletin.

Many of the localities catalogued and mapped are not mining districts in the strict legal sense or use of the term. Mining districts were created and sanctioned by law primarily for the convenience of recording the mining claims. In the early stages of development of mining in the West, transportation was slow and costly. In order to eliminate the long journeys to county seats, mining districts were organized to provide local facilities for recording.

Modern transportation has largely removed these conditions, and organized mining districts are now seldom created at new discoveries. A new discovery is merely given a name, and that suffices for its identification indefinitely.

The term "Mining District" is used in this bulletin in the broader sense; it applies to the localities where metallic ores have been mined in sufficient quantities to be worthy of note. Some reported localities were excluded from the list because of the lack of definite knowledge concerning them.

DISTRIBUTION OF DISTRICTS

All of the seventeen counties of the State are producers. Nye County, the largest, leads in the number of districts, while Storey, with its Comstock district, the site of the first lode mining in the State, comes last. In this connection it is interesting to note the comment made by the Curator of the State Museum in his
has greatly diminished. Attention is being turned therefrom lode, heretofore considered the backbone of mining in Nevada, for mineral deposition. In northern areas, the geologic structure of the mountains is unfavorable for mineral deposition. In northern Washoe and northwestern Humboldt Counties the mountains are composed of late Tertiary basaltic lava flows, with the broad valleys between covered with Quaternary alluvium. These lavas have not been subjected to any mineralizing agencies since their emplacement.

A glance at the map shows some blank areas. In these areas the geologic structure of the mountains is unfavorable for mineral deposition. In northern Washoe and northwestern Humboldt Counties the mountains are composed of late Tertiary basaltic lava flows, with the broad valleys between covered with Quaternary alluvium. These lavas have not been subjected to any mineralizing agencies since their emplacement.

The nearly blank areas in parts of Clark and Lincoln Counties cover regions where the rocks are flat-lying Paleozoic sediments, undisturbed by igneous intrusions.

In northeastern Nye County is another lean area. This region is characterized by high, rather narrow, mountain ranges separated by broad desert valleys. The rocks are for the most part Paleozoic sediments with granitic intrusions, and few Tertiary volcanics. The scarcity of mining districts here is attributed, not to unfavorable formations, but to the isolation and comparative inaccessibility of the region, together with the fact that the average Nevada prospector is partial to regions where Tertiary volcanics predominate.

FORM AND CONTENT OF DEPOSITS

The following description of the form and content of ore deposits is by Waldemar Lindgren, in U. S. Geological Survey Bulletin 507:

FORM AND CONTENT

The form of the deposits is manifold and depends on the spaces provided for their reception or on the manner in which they made place for themselves. Practically all of them were formed by deposition from water solutions, usually ascending hot water, and as the path of such waters commonly follows fissures the resulting deposits are in large part fissure veins. The walls of the fissures were soaked by the solutions and ores were deposited in them. Some rocks like limestone are particularly susceptible to chemical alteration, and where traversing such rocks the mineralizing solutions spread far and wide, causing the deposition of metallic ores. Such occurrences are called replacement deposits.

The ores of the oxidized zone are, as a rule, richer than the underlying sulphides. Just below the oxidized belt secondary sulphides may be formed through concentration by descending surface waters, and this part of the deposit is likely to be exceptionally rich. Such secondary sulphides are chalcocite or copper glance and various rich silver minerals. In many copper deposits, such as those at Ely, Nevada, and Miami and Ray, Arizona, the only workable part of the deposits consists of a layer of this secondary copper glance.1 In silver veins no such sharp division between the two zones is found. Much of the richest ore mined near the surface in the Cordilleran region is the result of secondary enrichment by descending waters.

CLASSIFICATION OF DEPOSITS

PRE-CAMBRIAN

In assigning an age to an ore deposit, the first division line is at the beginning of the Paleozoic era, with the Cambrian period. Rocks or ores older than that period are called pre-Cambrian, those that are younger post-Cambrian.

In Nevada there is only one known deposit that is of pre-Cambrian age. In the Copper King district, Clark County, a

1However, it is interesting to note that as a result of recent intensive geologic study, followed by drilling, in the Ely district, great quantities of workable primary copper sulphides (chalcopyrite) have been proven to underlie the secondary sulphides in the district.
GEOLOGY

The record of the geologic history of Nevada begins with the rocks of the pre-Cambrian basement, which are exposed only in the extreme southern part of the State. Here the Colorado River and its tributaries have cut through the overlying Paleozoic rocks and into pre-Cambrian schists and gneisses.

No ore deposits of present economic importance have been found in the rather limited known areas where these rocks are exposed.

During the Paleozoic era the eastern two-thirds of the State was submerged at times beneath the Paleozoic seas, and the sediments laid down totaled thousand of feet in thickness. Western Nevada was a land mass. Early in the Triassic period the situation became reversed, and throughout Triassic and Jurassic times western Nevada was submerged beneath the waters of the Pacific, while the eastern Nevada land mass furnished the material for the 10,000 feet or more of sediments laid down in this Mesozoic sea. With the close of the Jurassic, the Great Basin area, comprising all of Nevada and parts of adjoining States, was elevated approximately to its present height, marking the beginning of the general physiographic features that characterize it today.

A great intrusion of granitic rocks, accompanied by faulting and folding of the Paleozoic and Mesozoic sedimentary rocks, resulted in the formation of numerous mountain ranges traversing the State from north to South.

Volcanism, with its attendant faulting, continued throughout
all Tertiary time, especially during the Miocene epoch, when great quantities of lava rocks, andesite, rhyolite, dacite and latite were extruded. Many of the great gold and silver deposits of Nevada were formed at this time. At the close of the Tertiary, extensive faulting reelevated and tilted the Sierra Nevada and desert ranges into their present attitudes.

Tertiary sedimentary rocks are relatively few, and are of minor economic importance. Some of the thin beds of shales and sandstones in Elko and Eureka Counties are presumably of Eocene age, and are tentatively correlated with the Green River series of the Uinta Basin. The oil shales of Elko County and the asphalt beds of Eureka County are members of this series. The Humboldt beds of eastern Nevada (Pliocene), the Truckee beds of western Nevada (Pliocene), and the Esmeralda formation (Miocene) of southwestern Nevada consist of unconsolidated sandstones, clays and diatomaceous earth. They occupy marginal positions at the bases of the mountain ranges, and probably underlie younger alluvium in the valley floors. In some localities the Esmeralda formation has been elevated by faulting to positions high above present valleys.

Tungsten has become an important factor of the mining industry in Nevada. The mineral scheelite (tungstate of lime) has been found in many localities. It is mined in contact metamorphic deposits at Mill City, Nightingale, Ragged Top, Osceola and Silver Dyke. Nevada now ranks first in tungsten production in the United States.

Recent high prices of quicksilver gave an added impetus to the search for that metal, and many new discoveries were made. Nearly every county in the State is a potential producer of mercury. It is found in nearly all the Tertiary igneous rocks and the older sedimentaries. The principal producing mines are near Lovelock, Virginia City, Montgomery and Mina. At Lovelock and Mina the ores occur in limestone, at Virginia City in andesite, and at Montgomery in quartzite. In the Ivanhoe district, Elko County, quicksilver mines are being developed in rhyolite.

The prevailing low price of metals has caused the prospector and miner to turn their attention to placer mining. Dry washing the gravels in shallow gulches and ravines at favorable points is now being done in many parts of the State. Hydraulic mining at Round Mountain has continued seasonally since 1915. Copper Canyon in Lander County, Tuscarora in Elko County, and American Canyon in Pershing County were heavy producers of placer gold in the past.

Viewed as a whole, Nevada presents a panorama of range after range of mountains, trending northerly and southerly, separated by desert valleys. The mountains are built of faulted and folded Paleozoic and Mesozoic sedimentary rocks, intruded by granite, and liberally plastered with Tertiary lavas. Thus the forces of nature, operating through the ages, have prepared the field, plowed huge furrows, and planted and matured a crop of precious and useful metals for man to harvest.
PART II—CATALOGUE OF MINING DISTRICTS

By CARL STODDARD

ACKNOWLEDGMENTS

The bulk of the work of assembling and arranging the data of record pertaining to each of the mining districts was done by the United States Geological Survey in its offices at Washington, D.C. The staff of the Nevada State Bureau of Mines gratefully acknowledges the indebtedness due the members of the Survey, and its hearty cooperation in all matters concerning this bulletin.

PLAN OF THE WORK

A map of Nevada (Plate I) showing the location of the mining districts by number and symbol is published with the bulletin. The number refers to the list of districts printed on the margin of the map; the symbols indicate the predominate metal produced. The lists are arranged alphabetically by counties.

Chemical symbols of the metals produced, in the order of their importance, are placed after the name of each district. Following are the abbreviations used:

- Ag.....Silver. Hg.....Quicksilver. W.....Tungsten.
- Cu.....Copper. Fe.....Iron. Sb.....Antimony.
- Pb.....Lead. Mn.....Manganese. Ra.....Radium.

The last four are classed as rare, and where they predominate the district is shown on the map as a rare metal district. Where placer gold is a factor in production, Pl is placed after Au.

The distance and direction by road from the nearest railroad shipping point is given—for example, 15 miles S. E. Fallon, S. P. R. R.

The following abbreviations are used for railroads in Nevada:

- S. P. R. R.....Southern Pacific Railroad
- W. P. R. R.....Western Pacific Railway
- T. & G. R. R.....Tonopah and Goldfield Railroad
- V. & T. R. R.....Virginia and Truckee Railway
- E. & P. R. R.....Eureka and Palisade Railway
- N. N. R. R.....Nevada Northern Railway
- U. P. R. R.....Union Pacific Railroad
- N. C. B. R. R.....Nevada Copper Belt Railroad
- N. C. R. R.....Nevada Central Railroad
- T. & T. R. R.....Tonopah and Tidewater Railroad
- A. T. & S. F.....Atchison, Topeka and Santa Fe Railway
A statement of the geologic formation of the region gives a general idea of the rocks in which the deposits occur. The attempt has been made to name the oldest rocks first, using the terms pre-Cambrian schists, granite, or complex. The term complex is used in districts where schist, gneiss, and granite are found in intimate association. The Paleozoic or Mesozoic formations, slates, quartzites, etc., are all combined under the terms Paleozoic or Mesozoic sediments. Intrusive rocks are said to "cut" the older formations, and volcanic flows "cap" the other formations. Where the relation is not known only the names Paleozoic or Mesozoic sediments, granite, andesite. The term complex is mentioned in the belief that it may be of use. The following terms are used with the meanings indicated, which are sanctioned by the United States Geological Survey:

Vein—A single body of minerals occupying or following a fissure, both walls of which generally, though not invariably, are well defined. Where several veins are so closely spaced that the ground between them becomes in places ore bearing and in its whole width constitutes an ore body the assemblage is called a lode. In this bulletin the term vein is used for both veins and lodes.

Contact-metamorphic deposits—Ore deposits which occur at or near the contacts of intrusive rocks with sedimentary beds and which carry minerals characteristic of contact metamorphism, such as garnet, pyroxene, and epidote.

Replacement deposits—Masses of ore and gangue formed by the alteration of limestone, dolomite, and other rocks. Usually irregular in form and in many places grading into country rock.

Disseminated deposits—Deposits containing ore minerals scattered throughout the rock, such as chalcopyrite occurring in grains through granite porphyry. The term "impregnations" is sometimes applied to deposits of this type.

Stockwork—A deposit consisting of a complex system of small fissure veins.

Lenses—Ore bodies that are more or less elliptical in outline; thickest at the center and thinning out toward the edges—lenticular in shape.

To all of which is added a bibliography of United States Geological Survey publications relative to the district. These publications consist of several series, which are indicated by the following abbreviations:

M. Monograph.
P. P. Professional Paper.
P. N. Professional Notice.
W. S. P. Water-Supply Paper.
Top sheet Sheet of Topographic Atlas.

DISTRIBUTION OF MINING DISTRICTS BY COUNTIES ACCORDING TO THE PREDOMINANT METAL PRODUCED

In Nevada there are 336 mining districts credited with the metallic wealth of the State. In 157 of these districts gold leads in value of the metals produced, silver in 79, copper in 32, lead in 28, zinc in 3, manganese in 7, quicksilver in 10, and tungsten in 11. Iron, antimony, radium ores and nickel are reported from one or more districts, and in one district the predominant metal is unknown.

The table on page 18 shows the distribution of the predominant metals in the mining districts, by counties. Some of the districts, while still potential sources of production, have been idle for a number of years and are credited in the table with the predominant metal last produced. In all other districts the production of 1928 governs.

LIST OF MINING DISTRICTS BY COUNTIES

CCHURCHILL COUNTY

Alpine (Clan Alpine). Ag, Au, Mo.
79 miles by road E. Fallon, S. P. R. R.
Tertiary volcanics.
Veins, shear zones.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 1, 1923.
1924, pt. 1, p. 430.
1929, pt. 1, p. 651.
U. S. G. S. Carson Sink topographic map.

Bell Mountain. Au, Ag.
43 miles ESE. Fallon, S. P. R. R.
Tertiary volcanics.
Veins.
U. S. G. S. Carson Sink topographic map.
**Metal and Nonmetal Occurrences in Nevada**

**Chaparral County**  
Continued.

**Bernice.**  
Au, Ag, Sb.
60 miles NE, Fallon, 69 miles SE, Lovelock, S. P. R. R.
Sedimentary rocks.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 1, 1923.
U. S. G. S. Carson Sink topographic map.

**Broken Hills (Quartz Mountain).**  
Ag, Pb, Au.
Volcanic tuff capped by basalt and underlain by andesite.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 2, 1923.
1923, pt. 1, p. 615.
1924, pt. 1, p. 436.
1925, pt. 1, p. 675.
1926, pt. 1, p. 529.
U. S. G. S. Carson Sink topographic map.

**Buena Vista.**  
Fe. (See Mineral Basin, Pershing County.)
Northern extremity 25 miles NE, Lovelock, S. P. R. R.
Triassic sedimentary rocks cut out by granite intrusives and covered in part by Tertiary volcanic rocks and Quaternary sediments and wash.
U. S. G. S. Carson Sink topographic map.

**Chalk Mountain.**  
Pb, Ag
40 miles ESE, Fallon, S. P. R. R.
Triassic (?), limestone.
Veins, replacements.
U. S. G. S. Carson Sink topographic map.

**Copper Kettle.**  
Cu.
In Grimes Canyon, W, slope Stillwater Range.
Diorite, overthrust by altered porphyry.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 3, 1923.
U. S. G. S. Carson Sink topographic map.

**Desert (White Plains).**  
Au.
8 miles SW, White Plains (Huxley Station), S. P. R. R.
Rich free gold ore in hornblende gneiss.
Metal and Nonmetal Occurrences in Nevada

CHURCHILL COUNTY—Continued.

Desert (White Plains)—Continued.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 2-3, 1923.
U. S. G. S. Carson Sink topographic map.

Eagleville (Hot Springs). Au, Ag (barite).
64 miles SE. Fallon, S. P. R. R.
Volcanic tuff capped by basalt and underlain by andesite.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 3-4, 1923.
1929, pt. 1, p. 651.
U. S. G. S. Carson Sink topographic map.

Eastgate. Au, Ag, Pb.
60 miles ENE. Fallon, S. P. R. R., on W. slope Desertai Range.
Broken formation of quartz and tuff.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 4, 1923.
U. S. G. S. Carson Sink topographic map.

Fairview. Ag, Au, Pb, Cu.
Mesozoic sediments overlain by Tertiary volcanics.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 4, 1923.
1923, pt. 1, p. 404.
1924, pt. 1, p. 450.
1925, pt. 1, p. 530.
1926, pt. 1, p. 651.
1929, pt. 1, p. 651.
U. S. G. S. Carson Sink topographic map.

Fireball. Au.
25 miles NE. Fernley, S. P. R. R.
Nevada has new gold find: Eng. and Min. Jour. vol. 132, No. 1, p. 34, July 13, 1931.
U. S. G. S. Wadsworth topographic map.

Gold Basin. Au, Ag.
45 miles SE. Fallon, S. P. R. R.
Tertiary volcanics, quartz-halite predominating.

Metal and Nonmetal Occurrences in Nevada

CHURCHILL COUNTY—Continued.

Gold Basin—Continued.
Veins, fine free gold.
U. S. G. S. Carson Sink topographic map.

Holy Cross (Fallon, Terrell). Au, Ag, Au, Cu, Pb.
12 miles NE. Schars, S. P. R. R.
Tertiary volcanics.
Veins, replacements.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 5-6, 1923.
1924, pt. 1, p. 431.
1925, pt. 1, p. 675.
1926, pt. 1, p. 539.
U. S. G. S. Carson Sink topographic map.

I. X. L. (Silver Hill). Ag, Au, Pb, Cu.
70 miles SE. Lovelock, S. P. R. R.
Granite and slate.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 6, 1923.
U. S. G. S. Carson Sink topographic map.

Jespur. Au, Ag.
35 miles SW. Lovelock, 10 miles NW. White Plains (Huxley Station), S. P. R. R.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 6, 1923.
U. S. G. S. Carson Sink topographic map.

Lake. Pb, Ag, Sb.
E. Humboldt Lake on W. flank of Humboldt Range; extends into Pershing County.
Jurassic shales.
Lodes.
Lincoln, F. C., op. cit.
U. S. G. S. Carson Sink topographic map.

Leete. Au, Ag, Pb.
In NW. Churchill County 15 miles NE. of Fernley, S. P. R. R., Rhyolite, dacite and andesite.
Veins.
Lincoln, F. C., op. cit.
U. S. G. S. Wadsworth topographic map.
Metal and Nonmetal Occurrences in Nevada

CHURCHILL COUNTY—Continued.

Mountain Wells (LaPlata). Ag.
20 miles E. Fallon, S. P. R. R.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 8, 1923.
\(1^{\prime}, S. G. S.~\) Carson Sink topographic map.

Sand Springs. Au, Ag. (Salt.)
17 miles SE. Fallon, S. P. R. R.
Tertiary volcanics, Triassic and Jurassic sediments.
Veins.
1928, pt. 1, p. 455.
\(1^{\prime}, S. G. S.~\) Carson Sink topographic map.

Shady Run. Au, Ag, Pb.
40 miles SE. Lovelock, S. P. R. R., and equal distance from Fallon, Quartzite.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 9–10, 1923.
\(1^{\prime}, S. G. S.~\) Carson Sink topographic map.

South Fairview. Au, Ag.
42 miles ESE. Fallon, S. P. R. R.
Tertiary volcanics.
Veins.
\(1^{\prime}, S. G. S.~\) Carson Sink topographic map.

Table Mountain (Boyer, Cottonwood Canyon, Bolivia). Ni, Co, Cu, Au, Pb, Ag, Sb.
25–90 miles SE. Lovelock, S. P. R. R.
Triassic sediments cut by diorite capped by Tertiary volcanics.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 11–13, 1923.
\(1^{\prime}, S. G. S.~\) Carson Sink topographic map (southern part of district only).

Toy (Brown's). W.
2 miles S. Toy section house (formerly Browns), S. P. R. R.
Sediments cut by granite.
Contact metamorphic.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 13, 1923.
\(1^{\prime}, S. G. S.~\) Carson Sink topographic map.

Westgate. Ag, Pb, Au.
42–54 miles ESE. Fallon, S. P. R. R.
Jurassic limestone.

Metal and Nonmetal Occurrences in Nevada

CHURCHILL COUNTY—Continued.

Westgate—Continued.
Veins, replacements.
\(1^{\prime}, S. G. S.~\) Carson Sink topographic map.

White Cloud (Copperfield). Cu, Zn, Fe, Ag.
35 miles SE. Lovelock, S. P. R. R.
Triassic sediments cut by granite and diorite and capped by Tertiary volcanics.
Replacements, contact metamorphic.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 18–19, 1923.
\(1^{\prime}, S. G. S.~\) Carson Sink topographic map.

Wonder (Hercules). Ag, Au, Cu, Zn.
57 miles by road SE. Fallon, S. P. R. R.
Tertiary volcanics and lake beds.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 14–16, 1923.
1926, pt. 1, p. 530.
\(1^{\prime}, S. G. S.~\) Carson Sink topographic map.

CLARK COUNTY

22 miles by road SE. Las Vegas, U. P. R.; 12 miles E. Erie, U. P. R.
Igneous rocks.
Veins and stringers.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 16–17, 1923.
\(1^{\prime}, S. G. S.~\) St. Thomas and Camp Mohave topographic maps.

Black Mountains. Fe, Mn.
Near Colorado River.
Mesozoic sediments overlain by Tertiary volcanics.
\(1^{\prime}, S. G. S.~\) St. Thomas and Camp Mohave topographic maps.

Charleston. Pb, Zn, Ag.
35 miles W. Las Vegas, U. P. R.
1928, pt. 1, p. 455.
1929, pt. 1, p. 652.
\(1^{\prime}, S. G. S.~\) Las Vegas topographic map.
Copper King (Bunkerville, Great Eastern, Key West). Cu, Au, Ag, Ni, Co, Pt, W. 15 miles S. Bunkerville and 15 miles NE. St. Thomas, U. P. R. R.

Pre-Cambrian gneiss intruded by basic dikes.

Veins,


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 18-19, 1923.


Min. Res. 1925, pt. 1, p. 818

1925, pt. 1, p. 674.

1928, pt. 1, p. 455.

1929, pt. 1, p. 652.

U. S. G. S. St. Thomas topographic map.

Crescent. Au, Ag, Pb, Cu, Mo, V. 6 miles E. Nipton, U. P. R. R.

Pre-Cambrian metamorphic rocks cut by granite intrusions and basic dikes.

Veins,


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 19, 1923.

U. S. G. S. Ivanpah topographic map.

Dike. Pb.

1 mile N. Bunkerville, U. P. R. R.; 15 miles N. Las Vegas, U. P. R. R.

Paleozoic limestones.

Veins


U. S. G. S. Las Vegas topographic map.

Eldorado (Colorado, Nelson). Au, Ag, Cu, Pb.

24 miles N. Searchlight, B & S. R. R., in Opal Mountains.

Pre-Cambrian granite and gneiss cut by acidic intrusive and capped by Tertiary volcanics.

Veins,


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 19-20, 1923.


U. S. G. S. Ivanpah topographic map.

Las Vegas. Mn.

16 miles SE. Las Vegas, U. P. R. R.

Tertiary volcanics.

Replacement,


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 21-22, 1923.


U. S. G. S. Ivanpah topographic map.

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

26 miles SE. Mesquite, S. P. L. A. & S. L. R. R.

Paleozoic and Mesozoic sediments cored by Tertiary volcanics.

Veins


Min. Res. 1902, p. 141.

1908, pt. 1, p. 473.

U. S. G. S. St. Thomas topographic map.

Searchlight. Au, Ag, Cu, Pb.

Station B & S. R. R.
CLARK COUNTY—Continued.

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

Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 24–27, 1923.

Visited by engineer of Nevada State Bureau of Mines in June, 1931.
1923, pt. 1, p. 494.
1925, pt. 1, p. 676.
1928, pt. 1, p. 455.
U. S. G. S. Camp Mohave topographic map.

Sloan. 
2 miles S. Sloan, U. P. R. R.
Tertiary rhyolite flow.
Veins on walls of joints.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 27, 1923.
U. S. G. S. Ivanpah topographic map.

Sunset (Lyons). 
Au.
15 miles SE. Jean, U. P. R. R.
Granite.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 27–28, 1923.
U. S. G. S. Ivanpah and Goodsprings topographic maps.

Sutor. 
2 miles W. Sutor, U. P. R. R.
Sandstones underlying Permian limestone.
Patches of carnallite with manganese oxide on fractures and joints.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 25, 1923.
U. S. G. S. Ivanpah topographic map.

Yellow Pine (Goodsprings, Potosi). 
Zn, Pb, Cu, Au, Ag, Pt, Os, Co, Ni, Rn, Sb.
S miles NW. Jean, U. P. R. R.
Paleozoic sediments cut by dikes.
Replacements.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 29–33, 1923.

Metal and Nonmetal Occurrences in Nevada

CLARK COUNTY—Continued.

Yellow Pine (Goodsprings, Potosi)—Continued.
1926, pt. 1, pp. 662, 676, 677.
1926, pt. 1, pp. 531, 532.
1927, pt. 1, p. 447.
U. S. G. S. Goodsprings, Ivanpah, and Las Vegas topographic maps.

DOUGLAS COUNTY

Buckskin. 
Cu, Fe, Au, Pb.
Adjoins Yerington district (Lyon County) on the W. and Mount Siegel district on the SW.
Triassic sediments cut by granite.
Contact metamorphic, veins and placer.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 33, 1923.
1925, pt. 1, p. 455.
1926, pt. 1, p. 655.
U. S. G. S. Wellington topographic map.

Gardnerville (Eagle). 
Au, Cu, Ag.
14 miles SE. Minden, V. & T. R. R., on W. slope Pine Nut Range.
Diopside, Tertiary volcanics and lake beds.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 33, 1923.
U. S. G. S. Marklefeild topographic map.

Genoa. 
Cu, Ag, Au, Pb.
Just W. town of Genoa, on E. slope Sierra Nevada.
Triassic sediments intruded by Cretaceous granite.
Veins, replacements, and placers.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 34–35, 1923.
U. S. G. S. Carson topographic map.
Mount Siegel. Au, 14.  
20 miles E, Minden, V. & T. R. R.  
Placer.  
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 55, 1925.  
Min. Res. 1923, pt. 1, p. 495.  
1929, pt. 1, p. 653.  
U. S. G. S. Markleeville topographic map.  

Mountain House (Holbrook, Pine Nut). Au, Ag.  
In Pine Nut Range on California border.  
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 55, 1923.  
1917, pt. 1, p. 363.  
1919, pt. 1, p. 495.  
1921, pt. 1, p. 472.  
1923, pt. 1, p. 675.  
1926, pt. 1, p. 532.  
U. S. G. S. Markleeville and Wellington topographic maps.  

Red Canyon (Silver Lake). Au, Ag, Pb.  
Triassic sediments cut by quartz monzantite.  
Veins, contact metamorphics.  
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 36, 1923.  
Min. Res. 1923, pt. 1, p. 495.  
1923, pt. 1, p. 532.  
1929, pt. 1, p. 653.  
U. S. G. S. Markleeville and Wellington topographic maps.  

Silver Glaicce (Wellington). Au, Ag, Cu.  
Quartz monzantite, probably Cretaceous.  
Veins.  
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 37, 1923.  
1924, pt. 1, p. 532.  
1929, pt. 1, p. 653.  
U. S. G. S. Markleeville and Wellington topographic maps.  

ELKO COUNTY—Continued.  

Aura (Bull Run, Centennial, Columbia). Au, Pt, Ag, Pb, Zn.  
70 to 95 miles NNW, Elko, S. P. R. R., W. P. R. R., in Bull Run or Central Range.  
Paleozoic sediments cut by granodiorite.  
Veins and placers.  

Alder. Au.  
8 miles N, Gold Creek.  

Burner. Pb, Ag.  
10 miles W. Good Hope, in Burner Hills.  
Andesite.  
Veins.  
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 38, 1923.  

Carlin. Au, Ag.  
Station S. P. R. R., W. P. R. R.  
Paleozoic sediments cut and capped by Tertiary volcanics.  
Veins, replacements.  

Charleston (Copper Mountain, Cornwall). Au, Pl, Cu, Ag, Pb, Sb.  
95 miles NNW, Elko, 50 miles NNW, Dech, S. P. R. R., W. P. R. R.  
Paleozoic sediments cut by granite.  
Contact metamorphics, replacements, placers.  
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 39-40, 1923.  

Contact (Kit Carson, Porter, Salmon River). Cu, Ag, Au.  
Station, O. S. J.  
Paleozoic sediments cut by granite.  
Contact metamorphics, veins, replacements.  
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 40-41, 1923.  
1923, pt. 1, p. 495.  
1926, pt. 1, p. 532.  

Decoy, M.  
8 miles E, Decoy, N. N. R. R., in Toono Range.  
Carboniferous limestone.  
Replacements.  

Delano (Delno). Au, Ag, Pb.  
35 miles N, Montello, S. P. R. R.  

Delano (Delno)—Continued.


1919, pt. 1, p. 368.
1920, pt. 1, p. 324.
1921, pt. 1, p. 324.
1922, pt. 1, p. 320.
1923, pt. 1, p. 466.
1924, pt. 1, p. 492.
1929, pt. 1, p. 654.

Delker. Cu.
25 miles NE. Carrie, N. N. R.
Limestones and quartzites; quartz monzonite.
Veins, contact metamorphic.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 42, 1923.

Divide. Ag. Au.
8 miles NW. Tuscarora at head of Dry Creek.
1918, pt. 1, p. 255.

30 miles E. Mizpah, N. N. R., 16 miles NE. Carrie.
Carboniferous shale and limestone intruded by quartz monzonite.
Veins, contact metamorphic.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 45-43, 1923.

92 miles NNW. Elko, S. P. R. R., W. P. R. R.
Paleozoic sediments.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 45, 1923.

90 miles SSE. Twin Falls, Idaho, O. S. L. R. R.
Paleozoic sediments cut by granite.
Contact metamorphic.

SE. corner Elko County, 40 miles S. Wendover, Utah, W. P. R. R.
Limestones cut by quartz monzonite.
Veins, contact metamorphic.
Metal and Nonmetal Occurrences in Nevada

ELKO COUNTY—Continued.

Ivanhoe. Hg.
69 miles NE, Golconda, S. P. R. R., W. P. R. R.
Biculite flow breccia.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 47, 1923.
Min. Res. 1923, pt. 1, p. 46.

Jarbidge. Au, Ag.
Paleozoic sediments and Tertiary volcanics.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 38-50, 1923.

Kimley. Ag, Cu, Pb.
8 miles NE, Currie, N. X. R. R.
Quartz monzonite porphyry intruding Cambrian limestones.
Contact metamorphic veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 50, 1923.

Lafayette. Pb, Ag.
4 miles N, Tobar, W. P. R. R.

Lee. Cu.
39 miles NE, Elko, S. P. R. R., W. P. R. R.
U. S. G. S. Halleck topographic (adv.) sheet.

Lime Mountain (Deep Creek). Cu, Au, Ag.
80 miles N, Elko, S. P. R. R., W. P. R. R.
Paleozoic limestone intruded by quartz porphyry, andesite and diabase.
Contact metamorphics.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 51, 1923.

Loray (Laray, Leroy). Cu, Ag, Pb, Fe.
4½ miles NE, Loray siding, S. P. R. R.
Crystalline limestone.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 50-51, 1923.

Lucin. Cu, Ag, Pb.
8 miles N, Tecopa, U. P. R. R., in Pilot Range.
Carboniferous sediments cut by igneous rocks.
Replacements.

Merrimac (Lone Mountain). Pb, Ag, Cu, Au.
28 miles by wagon road NW, Elko, S. P. R. R., W. P. R. R.
Carboniferous limestone intruded by quartz monzonite and quartz monzonite porphyry.
Contact metamorphic.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 51, 1923.

Mountain City (Cope, Van Duze). Cu, Au, Ag, Pb, Zn.
Paleozoic sediments cut by granodiorite and capped by Tertiary volcanics.
Veins, placers.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 32, 58-59, 1925.

Mud Springs (Medicine Springs). Pb, Zn, Ag, barite.
Permain limestones, shales, and quartzites.
Replacements.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 52-53, 1923.
U. S. G. S. Halleck topographic (adv.) sheet.

Proctor. Ag.
Station on W. P. R. R.

Railroad (Bullion). Ag, Au, Cu, Pb, Zn.
27 miles SSW, Elko, 12 miles SE, Palisade, S. P. R. R., W. P. R. R.
Ordovician limestone cut by granodiorite and quartz porphyry.
Replacements, contact metamorphic, veins.
Metal and Nonmetal Occurrences in Nevada

ELKO COUNTY—Continued.

Railroad (Bullion)—Continued.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 53–54, 1923.
Min. Res. 1923, pt. 1, p. 496.
1924, pt. 1, p. 433.
1926, pt. 1, p. 534.
1928, pt. 1, p. 467.
1929, pt. 1, p. 655.
U. S. G. S. Halleck topographic (adv.) sheet.

Rock Creek (Falcon). Ag.
34 miles NW. Currie, N. N. R. It.; 55 miles S. Wells, S. P. R. R.; 33 miles S. Jasper, W. P. R. R.
 Paleozoic sediments cut by rhyolite.
Replacements.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 57, 1923.
1929, pt. 1, p. 655.

Ruby Range (Ruby Mountain Range, Valley View). Pb, Zn, Ag, Au, Cu, W.
(Not mining district.)
15 miles W. Tobar, W. P. R. R.
Granitic rocks, Paleozoic sediments.
Replacements, contact metamorphic.
1915, pt. 1, p. 630.
1920, pt. 1, p. 497.
1924, pt. 1, p. 433.
1926, pt. 1, p. 534.
1929, pt. 1, p. 655.
U. S. G. S. Halleck topographic (adv.) sheet.

Ruby Valley (Smith Creek). Pb, Ag, Zn.
Paleozoic limestones intruded by biotite-granite.
Lenses.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 54–55, 1923.
U. S. G. S. Halleck topographic (adv.) sheet.

Spruce Mountain. Pb, Cu, Ag, Au, Mn.
Paleozoic sediments cut by rhyolite.
Replacements.
**Elko County—Continued.**

**Warm Creek—Continued.**

Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 59, 1923.

1926, pt. 1, p. 534.

**White Horse, Co., Pb.**

SW, flank Mount Pinosah, 45 miles E. Carrie, N. N. R. Quartz monzonite stock.

Veins.

Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 59, 1923.

**Esmeralda County**

**Alpine, Au.**

Near Lone Mountain.

Paleozoic limestone and slate cut by granite.

Veins, replacements.


1926, pt. 1, p. 535.

**Argentine, Ag.**


Veins.

Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 60, 1923.

U. S. G. S. Silver Peak topographic map.

**Castle Rock, Au, Ag, Hg.**

8 miles N. Blair Junction; 35 miles W. Tonopah, T. & G. R. R.

1926, pt. 1, p. 655.

U. S. G. S. Tonopah topographic map.

**Coaldale, Pb, Ag.**


Veins.


U. S. G. S. Tonopah topographic map.

**Crow Springs, Ag, Pb, Cu, Au.**


Veins.

Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 62-63, 1923.

U. S. G. S. Tonopah topographic map.

**Cuprite, Au, Ag, Cu, Pb, Hg.**


Veins, replacements.


**Esmeralda County—Continued.**

**Cuprite—Continued.**

Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 63-64, 1923.

U. S. G. S. Lida topographic map.

**Divide (Gold Mountain).** Ag, Au, Pb.


Veins.

Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 64-66, 1923.


1923, pt. 1, p. 498.
1924, pt. 1, p. 434.
1925, pt. 1, p. 656.
1926, pt. 1, p. 655.
1929, pt. 1, p. 656.

U. S. G. S. Tonopah and Lida topographic maps.

**Dolly, Ag.**


Veins.


U. S. G. S. Tonopah topographic map.

**Dyer, Au, Ag, Pb.**


Veins.


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 65, 1923.

1926, pt. 1, p. 535.

U. S. G. S. Silver Peak and White Mountain topographic maps.

**Feder (Windypah).** Ag, Pb, Au.


Veins.


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 66, 1923.

U. S. G. S. Silver Peak topographic map.

**Gilbert (Desert).** Ag, Pb, Cu.


Veins.

Opening up of a brand new mining camp in Nevada is promised by developments of a substantial kind: Salt Lake Mining Review, vol. 26, No. 20, January 30, 1925, pp. 9-11.
Esmont County—Continued.

Gilbert (Desert)—Continued.
1918, pt. 1, p. 251.
1919, pt. 1, p. 322.
1920, pt. 1, p. 382.
1921, pt. 1, p. 322.
1922, pt. 1, p. 382.
1923, pt. 1, p. 497.
1924, pt. 1, p. 433.
1925, pt. 1, p. 650.
1926, pt. 1, p. 535.
1928, pt. 1, p. 488.
1929, pt. 1, p. 655.
S. G. S. Tonopah topographic map.

Goldfield. Au, Ag, Cu, Pb, Mn, Zn.
Station, T. G. & R. R.
Tertiary volcanics underlain by Cambrian sediments cut by granite.
Veins, replacements.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 67–73, 1923.
1924, pt. 1, p. 433.
1925, pt. 1, p. 630.
1926, pt. 1, p. 535.
1928, pt. 1, p. 497.
1929, pt. 1, p. 656.
S. G. S. Lida and Goldfield special topographic maps.

Good Hope. Ag.
7 miles S. Piper Peak, W. flank Silver Peak Range.
Slate, probably Ordovician, with interbedded quartzites.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 73, 1923.
S. G. S. Lida and Silver Peak special topographic maps.

Hornsilver (Lime Point). Au, Ag, Pb, Zn, Cu.
25 miles S. Goldfield, T. & G. R. R.
Cambrian limestone and shales cut by granite.
Veins.
ESMERALDA COUNTY—Continued.

Lone Mountain (West Divide)—Continued.

Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 77-78, 1923.
1924, pt. 1, p. 434.
1926, pt. 1, p. 536.
1928, pt. 1, pp. 490-496.
1929, pt. 1, p. 656.
U. S. G. S. Lida and Tonopah topographic maps.

Montezuma. Au, Ag, Pb, Cu.
7 miles W. Goldfield, T. & G. R. R.
Cambrian sediments cut by granite and diorite and capped by Tertiary volcanics.
Veins, replacements.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 78-79, 1923.
1924, pt. 1, p. 434.
1926, pt. 1, p. 536.
1928, pt. 1, p. 490.
U. S. G. S. Lida topographic map.

Palmetto. Au, Pt, Ag, Pb.
42 miles SW. Goldfield, T. & G. R. R.
Paleozoic sediments cut by granite.
Veins, contact metamorphic, placers.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 79-80, 1923.
1924, pt. 1, p. 434.
1926, pt. 1, p. 536.
1929, pt. 1, p. 655.
U. S. G. S. Silver Peak and Lida topographic maps.

Railroad Springs. Au, Ag, Cu.
Cambrian limestones and shales intruded by diorite dikes and capped in places by Tertiary rhyolite.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 80-81, 1923.
U. S. G. S. Lida and Silver Peak topographic maps.

Silver Peak (Mineral Ridge, Red Mountain). Au, Ag, Pb.
20 miles S. Blair Station, T. & G. R. R.
Paleozoic sediments cut by granite and diorite, capped by Tertiary volcanics.
Metal and Nonmetal Occurrences in Nevada

EUREKA COUNTY—Continued.

Eureka (Pinto Prospect, Ruby Hill, Secret Canyon, Silverado, Spring Valley)—Continued.


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 88–93, 1923.


Ferguson, H. G., The mining districts of Nevada: Econ. Geol., vol. 24, Xe 2, March–April, 1929.


U. S. G. S. Roberts Mountains topographic map (westerly portion).

U. S. G. S. Eureka mining district topographic map.

Lynn. Au, Pt.


Veins and pegmatites.


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 86–87, 1923.


Maggie Creek (Schroeder). Ph, Ag, Au, Sh, Cu.


Veins, replacements.


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 94–95, 1923.

Mineral Hill. Ag, Pb, Au, Cu, Zn.


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 95, 1923.


Eureka (Pinto Prospect, Ruby Hill, Secret Canyon, Silverado, Spring Valley).

Ag, Pb, Au, Cu, Zn, Fe, As.

Station E. & P. R. R., 84 miles S. Palisade, S. P. R. R. Paleozoic sediments, granite porphyry, rhyolite and basalt. Replacements, veins.


Diamond. Ag, Pb.


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 87, 1923.

U. S. G. S. Roberts Mountains topographic map.

Eureka (Pinto Prospect, Ruby Hill, Secret Canyon, Silverado, Spring Valley). Ag, Pb, Au, Cu, Zn, Fe, As.

Station E. & P. R. R., 84 miles S. Palisade, S. P. R. R. Paleozoic sediments, granite porphyry, rhyolite and basalt. Replacements, veins.

Metal and Nonmetal Occurrences in Nevada

EUREKA COUNTY—Continued.

Mt. Hope. Zn, Pb, Ag.

2 miles W. Mt. Hope Station, R. & P. R.

U. S. G. S. Roberts Mountains topographic sheet.

Mount Tenabo. (See Cortez).

Roberts. Ag, Pb, Cu.

42 miles SE. Austin, N. C. R. R.

Veins.

Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 96, 1923.

U. S. G. S. Roberts Mountains topographic map.

Safford (Barth, Palisade). Ag, Au, Fe, Pb, Cu.

6 miles W. Palisade, S. P. R. R.

Tertiary volcanics.

Veins.


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 96-97, 1923.


1929, pt. 1, p. 659.

HUMBOLDT COUNTY

Amos (Awakening, Slumbering Hills). Au, Pt, Ag.

30 miles NW. Winnemucca, S. P. R. R., W. P. R. R.

Veins, placers.

Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 97, 1923.


1925, pt. 1, p. 682.

1928, pt. 1, p. 461.

1930, pt. 1, p. 659.

U. S. G. S. Disastor and Paradise topographic maps.

Black Rock. Au, Ag.

Near Sulphur, W. P. R. R.


1922, pt. 1, p. 524.


1928, pt. 1, p. 682.

1928, pt. 1, p. 537.

1928, pt. 1, p. 461.

U. S. G. S. Disaster topographic map.

Disaster. Au, Pt.

100 miles NNW. Winnemucca, S. P. R. R., W. P. R. R.

Veins, placers.


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 97, 1923.

U. S. G. S. Disaster topographic map.

Metal and Nonmetal Occurrences in Nevada

HUMBOLDT COUNTY—Continued.

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

3 miles ESE. Golconda, S. P. R. R.

Tertiary sediments and volcanics.

Bedded lenses.


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 97-98, 1923.


1916, pt. 1, p. 481.

1920, pt. 1, p. 324.

U. S. G. S. Sonoma Range topographic (adv.) map.

Gold Run (Adelaide). Cu, Ag, Au, Pt, Pb, Zn.

15 miles S. Golconda, S. P. R. R.

Trilassic sediments cut by granite.

Veins, replacements, contact metamorphic, placers.


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 99-100, 1923.


1925, pt. 1, p. 498.

1924, pt. 1, p. 436.

1925, pt. 1, p. 682.

1928, pt. 1, p. 537.

1928, pt. 1, p. 461.

1929, pt. 1, p. 659.

U. S. G. S. Sonoma Range topographic (adv.) map.

Grandgap. Au, Ag.


Min. Res. 1911, pt. 1, p. 678.

U. S. G. S. Sonoma Range topographic (adv.) map.

Iron Point. Mn, Ag, Au, Pb.

S. Iron Point, S. P. R. R.

Shale and quartzite.

Veins, contact metamorphic.

Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 98, 1923.


1925, pt. 1, p. 486.

1924, pt. 1, p. 436.

1925, pt. 1, p. 682.

1928, pt. 1, p. 461.

1929, pt. 1, p. 659.

U. S. G. S. Sonoma Range topographic (adv.) map.

Jackson Creek. Cu, Pb, Ag.

75 miles NNW. Humboldt, S. P. R. R.; 35 miles S. Sulphur, W. P. R. R.

Granite and limestone.

Veins, contact metamorphic.


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 98-99, 1923.

U. S. G. S. Disaster topographic map.
Metal and Nonmetal Occurrences in Nevada

HUMBOLDT COUNTY—Continued.

National. Au, Ag, Sb.

Tertiary volcanics.

Veins.


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 104-105, 1923.


1924, pt. 1, p. 436.
1925, pt. 1, p. 682.
1928, pt. 1, p. 461.
1929, pt. 1, p. 659.
U. S. G. S. Paradise topographic map.

New Central. Au, Ag, Pb.
25 miles W, Winnemucca.

1924, pt. 1, p. 436.

U. S. G. S. Lovelock topographic (adv.) map.

Paradise Valley (Mount Rose, Spring City). Au, Pt, Ag.

Mesozoic metamorphosed slates.

Veins, placers.


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 104, 1923.

1926, pt. 1, p. 538.
1929, pt. 1, p. 659.

U. S. G. S. Paradise topographic map.

Preble (Potosi). Ag, Au.
5 miles E, Golconda, S. P. R. R.

Veins.

1928, pt. 1, p. 461.
1929, pt. 1, p. 659.

U. S. G. S. Sonoma Range topographic (adv.) map.

Rebel Creek (New Goldfields, Willow Creek). Au, Pt, Ag.
54 miles N, Winnemucca, S. P. R. R., W. P. R. R.

Metamorphosed slates and granites.

Veins, placers.


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 101-102, 1923.

Metal and Nonmetal Occurrences in Nevada

HUMBOLDT COUNTY—Continued.

Rebel Creek (New Goldfields, Willow Creek)—Continued.

U. S. G. S. Paradise topographic map.

Red Butte. Cu, Sb, Hg.
46 miles NW, Humboldt, S. P. R. R.; 15 miles N, Sulphur, W. P. R. R.

Gabbro cut by dikes of aplite.

Veins, dissecretions.


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 102, 1923.

1923, pt. 1, p. 500.
1925, pt. 1, p. 682.
U. S. G. S. Disaster topographic map.

Sherman. Au.

Veins.

1929, pt. 1, p. 639.
U. S. G. S. Paradise topographic map.

Shon. Ag, Au.
28 miles N, Winnemucca, S. P. R.

Granite.

Veins.

Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 102, 1923.

U. S. G. S. Paradise topographic map.

Sonoma Mountain (Harmony). Cu, Ag, Au, Zn.
5 miles SE, Winnemucca, S. P. R. R., W. P. R. R.

Veins.


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 106-107, 1923.

U. S. G. S. Sonoma Range topographic (adv.) map.

Sulphur (Rabbit Hole). Ag, Hg (Sulphur), 2 miles SE, Sulphur, W. P. R. R.

Tertiary rhyolite and water-laid tuffs.

Veins.

Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 103-104, 1923.

U. S. G. S. Lovelock topographic (adv.) map.

Ten Mile. Au, Ag.
10 miles NW, Winnemucca, S. P. R. R., W. P. R. R.

1926, pt. 1, p. 538.
1928, pt. 1, p. 461.
U. S. G. S. Paradise topographic map.

Varyville (Columbia). Au, Pt.
120 miles NW, Winnemucca, S. P. R. R., W. P. R. R.

Veins, placers.

Lincoln, Francis Church, Mining districts and mineral resources of Nevada p. 104, 1923.

U. S. G. S. Disaster topographic map.
Metal and Nonmetal Occurrences in Nevada

HUMBOLDT COUNTY—Continued.

Warm Springs (Vicksburg, Ashdown, Pueblo). Au, Ag, Cu, Pb.
120 miles NW Winnemucca, S. P. R. R., W. P. R.
Mica and clay slates intruded by core of porphyry and basalt and flanked on
W. by basalt.
Ore in quartz gneiss.
Schrader, P. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the
Lincoln, Francis Church, Mining districts and mineral resources of Nevada,
p. 165, 1923.
U. S. G. S. Disaster topographic map.

Willow Point. Cu, Ag.
20 miles NNE Winnemucca, S. P. R. R., W. P. R. R.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada,
p. 165, 1923.
U. S. G. S. Paradise topographic map.

Winnemucca (Barrett Springs). Au, Ag, Pb, Cu.
5 miles WNW Winnemucca, S. P. R. R., W. P. R. R.
Mesozoic metamorphosed slates, diorite.
Veins, placers.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the
Lincoln, Francis Church, Mining districts and mineral resources of Nevada,
p. 165-166, 1923.
Increasing gold prospecting embraces entire world; many strikes are
reported: E. & M. Jour., vol. 132, No. 4, August 24, 1931, p. 182.
1925, pt. 1, p. 436.
1926, pt. 1, p. 538.
U. S. G. S. Paradise topographic map.

LANDER COUNTY

Battle Mountain (Bannock, Copper Basin, Copper Canyon, Cottonwood Creek,
Rocky Canyon, Galena). Au, Ag, Cu, Sn, Pb, Zn, As.
10 miles W Battle Mountain, S. P. R. R., W. P. R. R.
Paleozoic sediments and Tertiary volcanics.
Veins, replacements, contact metamorphic, placers.
Lee, W. T., Stone, R. W., Gale, H. S., and others, Guidebook of the western
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the
Lincoln, Francis Church, Mining districts and mineral resources of Nevada,
p. 166-169, 1923.
Ferguson, H. G., The mining districts of Nevada: Econ. Geology, vol. 24,
No. 2, March-April, 1929.
Schrader, F. C., Notes on mining districts in eastern Nevada: Report in
preparation.
1926, pt. 1, p. 509.
1925, pt. 1, pp. 682-683.
1928, pt. 1, p. 462.
U. S. G. S. Sonoma Range topographic (adv.) map.

Birch Creek (Big Smoky, Smoky Valley). Au, Ag, Pb, Cu, Mo.
13 miles S Austin, N. C. R. R., E. flank Toiyabe Range.
Sedimentary rocks intruded by granodiorite.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada,
p. 166-170, 1923.
U. S. G. S. Roberts Mountains topographic map.

Buffalo Valley. Au.
17 miles S Valmy, S. P. R. R.
Limestone and aplite.
Veins, replacements in limestone.
U. S. G. S. Sonoma Range topographic (adv.) map.

Bullion (Campbell, Lander, Tenabo). Ag, Au, Pb, Cu, As.
25 miles SW Beowawe, S. P. R. R., E. slope Shoshone Range.
Paleozoic sediments capped by Tertiary volcanics.
Veins and placers.
508-511, 1910.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the
Lincoln, Francis Church, Mining districts and mineral resources of Nevada,
p. 110-111.
1923, pt. 1, p. 500.
1924, pt. 1, p. 437.
1925, pt. 1, p. 683.
1926, pt. 1, p. 539.
1929, pt. 1, p. 660.

Gold Basin. Au, Ag, traces of Cu and Pb.
At Carrol, on Churchill County border.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada,
p. 111, 1923.

Hilltop (Kimberly, Mayesville). Cu, Pb, Au, Ag.
18 miles SE Battle Mountain, S. P. R. R., W. P. R. R.
Paleozoic sediments cut by diorite and andesite.
Veins.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the
Lincoln, Francis Church, Mining districts and mineral resources of Nevada,
1923, pt. 1, p. 500.
1924, pt. 1, p. 437.
1925, pt. 1, p. 683.
1926, pt. 1, p. 540.
Jackson (Gold Park). — Au.
24 miles S. of Austin, N. C. R. R. (See also, Nye County.)
1911, pt. 1, p. 682.
1912, pt. 1, p. 890.
1913, pt. 1, p. 899.
1921, pt. 1, p. 385.
1925, pt. 1, p. 684.

Kingston (Bunker Hill, Santa Fe, Summit, Victorine). — Au, Ag.
24 miles S. Austin, N. C. R. R., W. flank of Teyave Range.
Limestone interbedded with shales and slate.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 112–113, 1923.

Lewis (Dean, Mud Springs, Pittsburg). — Ag, Au.
14 miles SSW, Battle Mountain, S. P. R. R., W. P. R. R.
Paleozoic sediments cut by granite and andesite.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 113–114, 1923.

McKay. — Au.
30 miles SSW. of Battle Mountain; access by automobile; 8 miles west of N. C. R. R.
Diorite and limestone.
Veins.
1926, pt. 1, p. 660.
U. S. G. S. Sonoma Range topographic (adv.) map.

New Pass. — Au.
27 miles W. Austin, N. C. R. R., on border of Churchill County.
Limestone, porphyry and gabbro.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 114, 1923.

Ravenswood (Shoshone). — Ag, Au, Cu, Pb.
20 miles NNW. Austin, N. C. R. R., 7 miles W. Silver Creek siding on N. C. R. R.

Metal and Nonmetal Occurrences in Nevada
LANDER COUNTY—Continued.

Ravenswood (Shoshone). — Continued.
Cambrina shales, quartzites and limestones.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 114, 1923.

Reese River (Amador, Austin, Yankee Bluff). — Ag, Au, Pb, Cu, Zn, As.
Station, N. C. R. R., in Teyave Range.
Paleozoic sediments cut by granite and capped by Tertiary volcanics.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 114–117, 1923.

Skookum. — Au.
9 miles NW. Austin, N. C. R. R.
Paleozoic sediments cut by granite.
Veins, contact metamorphic.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 117, 1923.

1929, pt. 1, p. 463.

Spencer. — Au, Ag, Sh.
NE. Austin, N. C. R. R.
Paleozoic sediments, Tertiary volcanics.
U. S. G. S. Roberts Mountains topographic map.

Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 114, 1923.

Chief (Caliente). — Au, Ag, Cu, Pb.
8 miles NNW. Caliente, U. P. R. R.
Paleozoic sediments cut by basic dikes.
Veins.
LINCOLN COUNTY—Continued.

Chief (Caliente)—Continued.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 118-119, 1923.
1926, pt. 1, p. 641.
U. S. G. S. Pioche topographic map.

Comet. Au, Ag; Pb, Cu, Zn, W.
14 miles SW. Pioche, U. P. R. R.
Paleozoic sediments cut by porphyry.
Veins, replacements.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 119, 1923.
1925, pt. 1, p. 684.
1926, pt. 1, p. 541.
1929, pt. 1, p. 660.
U. S. G. S. Pioche topographic map.

Eagle Valley (Tay, State line). Au, Ag, Pb.
21 miles NW. Medenn, Utah, U. P. R. R.
Tertiary volcanics.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 119, 1923.
U. S. G. S. Pioche topographic map.

Ferguson (Delamar). Au, Ag.
30 miles WNW. Caliente, U. P. R. R.
Paleozoic quartzite cut by basic dikes.
Veins, replacements.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 119-120, 1923.
Visited by State Bureau of Mines engineer, June, 1931.
U. S. G. S. Pioche topographic map.

Freiberg (Worthington). Au, Ag.
75 miles W. Pioche, U. P. R. R.
Rhyolite.
Veins.

Metal and Nonmetal Occurrences in Nevada

LINCOLN COUNTY—Continued.
Freiberg (Worthington)—Continued.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 120, 1923.

Groom. Pb, Ag.
100 miles N, Las Vegas, U. P. R. R.
Limestones and shales.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 131, 1923.

1925, pt. 1, p. 685.
1926, pt. 1, p. 541.

Highland. Pb, Ag, Au, Cu.
7 miles WNW. Pioche, U. P. R. R.
Paleozoic sediments cut by dikes.
Veins, replacements.
1921, pt. 1, p. 588.
1922, pt. 1, p. 527.
1923, pt. 1, p. 601.
U. S. G. S. Pioche and Highland topographic maps.

Hiko (Pahranagat). Ag, Pb, Cu.
60 miles W. Caliente, U. P. R. R.
Paleozoic sediments.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 123, 1923.
1925, pt. 1, p. 685.
1926, pt. 1, p. 541.
1929, pt. 1, p. 661.
U. S. G. S. Pioche topographic map.
Patterson (Cave Valley, Geyser).  

Lincoln County—Continued.

Jack Rabbit (Bristol).  Au, Pb, Au, Cu, Mn.  
36 to 29 miles NW, Pioche, U. P. R. R.  
Paleozoic sediments cut by rhyolite.  
Replacements, veins.


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 121-124, 1924.


1925, pt. 1, p. 685.
1926, pt. 1, p. 541.
1929, pt. 1, p. 661.

U. S. G. S. Bristol Range topographic map.

Lone Mountain.  Ag, Pb.  
16 miles W, Pioche, U. P. R. R.  
Paleozoic sediments.

Veins, replacements.


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 121-124, 1924.

Schrader, F. C., Notes on ore deposits at Cave Valley, Patterson district, Lincoln County, Nevada: Univ. of Nevada Bull., vol. 25, No. 3, June 1, 1931.

1925, pt. 1, p. 685.

Pioche (Ely).  Ag, Pb, Au, Cu, Zn, Mn, W.  
Station, U. P. R. R.  
Paleozoic sediments cut by dikes of quartz porphyry and diorite.  
Replacements, veins.


Lyon County—Continued.

Silver City (Chinatown, Dayton, Devils Gate, Gold Canyon). Au, Ag, Pt, Pb, Cu, Fe (not a mining district).

Tertiary volcanics, Trissassic sediments. Veins and placer.

Pine Nut Range. Au, Pt, Pb, Cu, Fe (not a mining district).


Bunway. Au, Ag, Pt, Pb, Cu, Fe (not a mining district).

Lyon County—Continued.

Silver City (Chinatown, Dayton, Devils Gate, Gold Canyon). Au, Ag, Pt, Pb, Cu, Fe (not a mining district).

Tertiary volcanics, Trissassic sediments cut by granite. Contact metamorphic, placer.

Pine Nut Range. Au, Pt, Pb, Cu, Fe (not a mining district).

Tertiary volcanics. Trissassic sediments cut by granite. Contact metamorphic, placer.

Bunway. Au, Ag, Pt, Pb, Cu, Fe (not a mining district).

Lyon County—Continued.

Silver City (Chinatown, Dayton, Devils Gate, Gold Canyon). Au, Ag, Pt, Pb, Cu, Fe (not a mining district).

Tertiary volcanics, Trissassic sediments cut by granite. Contact metamorphic, placer.

Pine Nut Range. Au, Pt, Pb, Cu, Fe (not a mining district).

Tertiary volcanics. Trissassic sediments cut by granite. Contact metamorphic, placer.

Bunway. Au, Ag, Pt, Pb, Cu, Fe (not a mining district).

Lyon County—Continued.

Silver City (Chinatown, Dayton, Devils Gate, Gold Canyon). Au, Ag, Pt, Pb, Cu, Fe (not a mining district).

Tertiary volcanics, Trissassic sediments cut by granite. Contact metamorphic, placer.

Pine Nut Range. Au, Pt, Pb, Cu, Fe (not a mining district).

Tertiary volcanics. Trissassic sediments cut by granite. Contact metamorphic, placer.

Bunway. Au, Ag, Pt, Pb, Cu, Fe (not a mining district).

Lyon County—Continued.
Metal and Nonmetal Occurrences in Nevada

MINERAL COUNTY—Continued.

Acme (Fitting) — Continued.
Lincoln, Francis Church, op. cit.
U. S. G. S. Hawthorne topographic sheet.

Anora (Cambridge, Esmeralda). Au, Ag.
37 miles SW. Thorne, S. P. R. R.
Tertiary volcanics.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 137-138, 1923.
1929, pt. 1, p. 662.
U. S. G. S. Hawthorne topographic map.

Bovard (Copper Mountain, Rand). Au, Ag, Mu, Cu, Pb.
28 miles E. Schurz, S. P. R. R., 8 miles E. Rand.
Tertiary volcanics.
Veins, replacements.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 149-151, 1923.

1923, pt. 1, p. 504.
1924, pt. 1, pp. 440-441.
1926, pt. 1, p. 545.
1928, pt. 1, p. 466.
1929, pt. 1, p. 603.
U. S. G. S. Hawthorne topographic map.

Buena Vista (Basalt, Mount Montgomery, Oneota). Au, Ag, Pb, Cu, Zn.
Station, S. P. R. R., 10 miles NE. Beatty.
Tertiary volcanics.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 140-141.
1924, pt. 1, p. 440.
1925, pt. 1, p. 687.
1926, pt. 1, p. 544.
1929, pt. 1, p. 603.
U. S. G. S. White Mountain topographic map.

Candelaria (Belleville, Columbus). Ag, Au, Pb, Cu, Ni.
Station, S. P. R. R.
Paleozoic sediments, Tertiary volcanics.

Candelaria (Belleville, Columbus) — Continued.
Veins, replacements.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 141-142, 1923.
1922, pt. 1, p. 329.
1923, pt. 1, p. 503.
1924, pt. 1, pp. 433, 440.
1925, pt. 1, p. 687.
1926, pt. 1, p. 544.
1929, pt. 1, p. 663.
U. S. G. S. Hawthorne topographic map.

Cedar Mountain (Bell, Onna, Simon). Ag, Au, Pb, Zn.
22 miles NE. Mina, S. P. R. R.
Trachic limestones, Tertiary lavas.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 138-140, 1925.
1923, pt. 1, p. 503.
1924, pt. 1, p. 440.
1926, pt. 1, p. 544.
1928, pt. 1, p. 466.
1929, pt. 1, pp. 662-663.
U. S. G. S. Tonopah topographic map.

East Walker (Mount Grant). Au, Ag.
Adjoins Walker Lake district on W.; W. slope Walker River Range.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 143, 1923.
U. S. G. S. Hawthorne topographic map.

Garfield. Au, Ag, Cu, Pb.
15 miles NW. Mina, S. P. R. R.
Limestone cut by granodiorite.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 144, 1923.
1923, pt. 1, p. 503.
1924, pt. 1, p. 440.
1925, pt. 1, p. 687.
1926, pt. 1, p. 544.
1928, pt. 1, p. 466.
1929, pt. 1, p. 663.
U. S. G. S. Hawthorne topographic map.
Granite (Mountain View, Reservation). Au, Ag, Pb, Cu.
8 miles W. Scharz, S. P. R. R.
Granite capped by Tertiary volcanic rocks.
Veins:
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the
Lincoln, Francis Church, Mining districts and mineral resources of Nevada,
pp. 146–147, 1923.
U. S. G. S. Hawthorne topographic map.

Hawthorne (Rocky Boy, Panbico). Pb, Ag, Au, Cu, W.
7 miles NW. Thorac, S. P. R. R.
Combination sediments cut by granite and diorite.
Veins:
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the
Lincoln, Francis Church, Mining districts and mineral resources of Nevada,
Nevada Mining Press, October 2, 1925.
Ferguson, H. G., Geology of the Hawthorne and Tonopah quadrangles: U. S.
G. S. report in preparation.
1924, pt. 1, p. 299.
1925, pt. 1, p. 504.
1926, pt. 1, p. 440.
1927, pt. 1, p. 659.
1928, pt. 1, p. 663.
U. S. G. S. Hawthorne topographic map.

King. Au, Ag, Pb.
50 miles SE. Fallon, S. P. R. R.
Tertiary volcanic rocks underlain by Mesozoic limestones, diorite and granite.
Veins:
Schrader, F. C., The Chalk Mountain, Quartz Mountain, Gold Basin, and
17276; September 15, 1927.
U. S. G. S. Carson Sink topographic map.

20 miles S. Yerington, N. C. B. R.
Quartz monzonite cut by granite porphyry and overlain by rhyolite.
Veins and placers.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the
Lincoln, Francis Church, Mining districts and mineral resources of Nevada,
Ferguson, H. G., The mining districts of Nevada: Econ. Geology, vol. 24,
No. 2, March–April, 1929.
1924, pt. 1, p. 440.
1925, pt. 1, p. 688.
1926, pt. 1, p. 545.
1927, pt. 1, p. 663.
U. S. G. S. Hawthorne topographic map.

Queens. W.
3 miles NE. Queens, S. P. R. R.
Volcanic rocks.
Contact metamorphic.
Metal and Nonmetal Occurrences in Nevada

MINERAL COUNTY—Continued.

Silver Star (Black Mountain, Gold Range, Marietta, Mina)—Continued.


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 154-156, 1923.


1923, pt. 1, p. 369.
1924, pt. 1, p. 564.
1925, pt. 1, pp. 440-441.
1926, pt. 1, p. 545.
1928, pt. 1, pp. 120, 467.
1929, pt. 1, p. 664.
U. S. G. S. Hawthorne topographic map.

Sodaville (Pilot Mountain), Cu, Mo, Hg, W, Au, Pt, Pd.
18 miles E. Sodaville, S. P. R. R.
Mesozoic sediments cut by granite and capped by Tertiary volcanics.
Veins, contact metamorphic, placer.


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 147-148, 1923.

Fosling, W. E., Quicksilver deposits of the Pilot Mountains, Mineral County, Nevada: U. S. Geol. Survey Bull. 706, pp. 118-123 (map); October 27, 1929; Min. Jour., Phoenix, Ariz., vol. 11, No. 22, pp. 5-6, 12-14 (map), April 15, 1929.

1922, pt. 1, p. 119.
1924, pt. 1, p. 466.
1926, pt. 1, p. 545.
1928, pt. 1, pp. 276, 467.
1929, pt. 1, p. 664.
U. S. G. S. Tonopah and Hawthorne topographic maps.

Southpaw, Au, W.
18 miles NE, Hawthorne, which is 7 miles SSW, Thorne, S. P. R. R.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 155-156, 1923.
U. S. G. S. Hawthorne topographic map.

Sunnyside (Hot Springs), Au, Ag.
Between Eagleville, Churchill County, and Rawhide, Mineral County.
Quartz, diorite.
Veins.
U. S. G. S. Carson Sink topographic map.
Nevada—Continued.

Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 159-169, 1923.

1923, pt. 1, p. 504.
1924, pt. 1, p. 441.
1926, pt. 1, p. 546.
1929, pt. 1, p. 664.

U. S. G. S. Morey Peak topographic (adv. 1933) map.

Belmont (Philadelphia, Silver Bend). Ag, Pb, Cu, Hg, Au.
50 miles NNE, Tonopah, T. & G. R. R.
Paleozoic sediments cut by granite.

Veins.


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 169-171, 1923.


1923, pt. 1, p. 505.
1924, pt. 1, p. 442.
1925, pt. 1, p. 689.
1926, pt. 1, p. 546.
1929, pt. 1, p. 664.

U. S. G. S. Bullfrog Special and Furnace Creek topographic maps.

Cactus Springs. Au, Ag.
24 miles E. Goldfield, T. & G. R. R., NW. end Cactus Range.

Tertiary volcanics.

Veins, replacements.


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 164, 1923.

U. S. G. S. Kavich topographic map.

Clifford. Au, Ag.
About 35 miles E. Tonopah, T. & G. R. R.

Tertiary volcanics.

Veins.

Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 165, 1923.

Gloverdale (Golden, Republic). Au, Ag, Cu, Pb, Co.
32 miles E. Loung, S. P. R. R.; 42 miles NE. Sedalvile.

Tertiary volcanics.

Veins, placers.


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 165-166, 1923.

1923, pt. 1, p. 505.
1925, pt. 1, p. 689.
1926, pt. 1, p. 546.
1928, pt. 1, p. 467.

U. S. G. S. Tonopah topographic map.

Currant. Au, Ag, Cu.
E. Currant in NE. Nye County.

Limestone.

Veins.

Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 166, 1923.
Danville. Au, Ag.
In Monitor Range, N. Nyo County.
Limestone.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 166, 1923.
U. S. G. S. Morey Peak topographic (adv. 1933) map.

Eden (Gold Belt). Au, Ag.
55 miles E. Tonopah, T. & G. R. R.
Tertiary volcanics.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 166, 1923.
U. S. G. S. Kawich topographic map.

Ellendale. Au, Ag, Cu.
Few miles E. Tonopah, T. & G. R. R.
Tertiary volcanics.
Veins, stringers.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 167, 1923.
U. S. G. S. Tonopah topographic map.

Fairplay (Atwood, Goldyke). Au, Ag, W, Cu, Ph.
32 miles NE. Luning, S. P. R. R.
Granite.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 167, 1923.
1923, pt. 1, p. 565.
1926, pt. 1, p. 546.
1929, pt. 1, p. 664.
U. S. G. S. Tonopah topographic map.

Fluorine (Bare Mountain, Telluride). Hg, Au, Ag.
6 miles E. Beatty, T. & T. R. R.
Paleozoic sediments intruded by pegmatites and monzonite porphyry.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 167-183, 1923.
U. S. G. S. Furnace Creek topographic map.

Gold Crater. Au, Ag.
27 miles SE. Goldfield, T. & G. R. R.
Tertiary volcanics.
Veins.

Grapevine. Au.
22 miles W. Beatty, T. & T. R. R.
Rhyolite.
Veins.
U. S. G. S. Lida topographic map.

Hannapah (Silverzone, Volcano). Au, Ag, Hg.
20 miles E. Tonopah, T. & G. R. R.
Tertiary volcanics.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 176, 1923.
1925, pt. 1, p. 505.
1924, pt. 1, p. 442.
1925, pt. 1, p. 689.
1926, pt. 1, p. 546.
1929, pt. 1, p. 664.
U. S. G. S. Morey Peak topographic (adv. 1933) map.

Jackson (Gold Park). Au, Ag, Cu, Pb.
44 miles SW. Austin, N. C. R. R.; 34 miles from Leslie, N. C. R. R., partly in Lander County.
Paleozoic sediments, granite porphyry and Tertiary volcanics.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 170-171, 1923.
U. S. G. S. Tonopah topographic map.

Jefferson Canyon (Concordia, Green Isle). Au, Ag.
70 miles NNE. Tonopah, T. & G. R. R.
Paleozoic sediments cut by porphyry.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 171-172, 1923.
U. S. G. S. Tonopah topographic map.

Jett. Ag, Pb, Zn.
45 miles N. Millers, T. & G. R. R.
Slate and limestone.
Jett—Continued.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 172, 1923.
U. S. G. S. Tonopah topographic map.

Johnnie. Au, Pt, Ag, Pb.
25 miles NE, Death Valley in NW, and Spring Mountain Range; 11 miles SSE, Amargosa.
Paleozoic sediments.
Veins, placers.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 173–173, 1923.
1923, pt. 1, p. 505.
1924, pt. 1, p. 442.
1926, pt. 1, p. 546.
1928, pt. 1, p. 488.
1929, pt. 1, p. 665.
U. S. G. S. Furnace Creek topographic map.

Kawich (Gold Reef). Au, Hg.
54 miles E, Goldfield, T. & G. R. R.
Monzonite porphyry and rhyolite.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 173, 1923.
U. S. G. S. Kawich topographic map.

Lodi (Ellisworth, Mammoth, Marble). Ag, Au, Pb, Cu, W.
15 miles NNW, Lowing, N. P. R. R., in Mammoth Range.
Granite and limestone.
Veins.
Another gold excitement now developing in Nevada: Salt Lake Min. Rev. April 30, 1921, p. 29.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 174–175, 1923.
1923, pt. 1, p. 505.
1924, pt. 1, p. 442.
1928, pt. 1, pp. 468-123.
U. S. G. S. Tonopah topographic map.

Manhattan. Au, Pt, Ag, As.
45 miles N, Tonopah, T. & G. R. R.
Paleozoic sediments cut by granite and diorite and capped by Tertiary volcanics.
Veins, replacements, placers.

Metal and Nonmetal Occurrences in Nevada

NYE COUNTY—Continued.

Manhattan—Continued.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 175–177, 1923.
1921, pt. 1, p. 390.
1922, pt. 1, p. 331.
1923, pt. 1, p. 505.
1924, pt. 1, p. 443.
1925, pt. 1, pp. 689–690.
1926, pt. 1, p. 547.
1929, pt. 1, p. 665.
U. S. G. S. Manhattan and vicinity and Tonopah topographic maps.

Millett (North Twin River). Au, Ag, Pb, Cu.
Limestone and slate.
Veins, pockets.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 177–178, 1923.
U. S. G. S. Tonopah topographic map.
1909, pt. 1, p. 421.
1910, pt. 1, p. 527.
1911, pt. 1, p. 690.
1912, pt. 1, p. 38.
1913, pt. 1, p. 835.
1914, pt. 1, p. 701.
1915, pt. 1, p. 646.
1916, pt. 1, p. 492.
1922, pt. 1, p. 331.
1923, pt. 1, p. 505.
1924, pt. 1, p. 442.

Morrer Ag, Au, Pb.
W. Morey in Hot Creek Range.
Granite.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 178, 1923.
U. S. G. S. Morey Peak topographic (adv. 1933) map.

Northumberland. Ag.
W. Northumberland, in N. part of county, in Toquima Range.
Granite porphyry.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 178, 1923.
U. S. G. S. Morey Peak topographic (adv. 1933) map.
Oak Springs. Au, Ag, Cu, W, Mo.
80 miles SW. Caliente, U. P. R.
Paleozoic sediments cut by granite and capped by Tertiary volcanics.
Veins.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the
United States: U. S. Geol. Survey Bull. 624, pp. 192, 194, 196, 197, 198,
1917.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada,
pp. 179-189, 1923.
U. S. G. S. Kawich topographic map.

Revelle. Ag, Pb, Cu, Au.
70 miles E. Tonopah, T. & G. R. R.
Paleozoic sediments capped by Tertiary eruptives.
Veins.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the
Lincoln, Francis Church, Mining districts and mineral resources of Nevada,
pp. 179-189, 1923.
1924, pt. 1, p. 442.
1926, pt. 1, p. 524.
1928, pt. 1, p. 469.
U. S. G. S. Morey Peak topographic (adv. 1933) map.

Round Mountain. Au, Ag, Pb, W.
60 miles N. Tonopah, T. & G. R. R.
Paleozoic sediments, Tertiary volcanics.
Veins, placeres.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the
Lincoln, Francis Church, Mining districts and mineral resources of Nevada,
Ferguson, H. G., The mining districts of Nevada: Econ. Geology, vol. 24,
No. 2, March-April, 1929.
1923, pt. 1, pp. 555-566.
1924, pt. 1, p. 442.
1925, pt. 1, p. 600.
1926, pt. 1, pp. 547-548.
1928, pt. 1, p. 469.
1929, pt. 1, p. 665.
U. S. G. S. Tonopah topographic map.

San Antonio (Royston, San Antonio). Ag, Au, Pb, Cu.
20 to 28 miles S. and SE. Tonopah, T. & G. R. R.
Tertiary volcanics.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada,
1923, pt. 1, p. 566.
1924, pt. 1, p. 442.
1925, pt. 1, p. 600.
1926, pt. 1, p. 548.
1928, pt. 1, p. 469.
1929, pt. 1, p. 665.
U. S. G. S. Tonopah topographic map.

Silverbow. Au, Ag.
46 miles E. Goldfield, T. & G. R. R.
Tertiary volcanics.
Veins.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the
United States: U. S. Geol. Survey Bull. 624, pp. 199, 192, 194, 196, 197,
198, 1917.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada,
pp. 182-183, 1923.
U. S. G. S. Kawich topographic map.

Spanish Belt (Barcelona). Ag, Au.
65 miles NE. Tonopah, T. & G. R. R., between Belmont and Manhattan.
Granite and shale.
Veins.
Consolidated Spanish Belt mine soon will be producing: Salt Lake Mining
New claimor property being developed in Nye County, Nevada: Eng. &
Min. Jour., October 13, 1928.
U. S. G. S. Tonopah topographic map.

Stonewall Mountain. Au, Ag.
17 miles SSE. Goldfield, T. & G. R. R.
Paleozoic sediments cut by granite, capped by Tertiary volcanics.
Veins.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the
Lincoln, Francis Church, Mining districts and mineral resources of Nevada,
p. 183, 1923.
U. S. G. S. Liau topographic map.

Tollitude. (See Pinoine.)

Tolicha (Mount Cristo). Au, Ag.
20 miles E. Bonnie Claire; 50 miles SE. Goldfield, T. & G. R. R.
Tertiary rhyolite.
Veins.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the
Lincoln, Francis Church, Mining districts and mineral resources of Nevada,
p. 183-184, 1923.
1929, pt. 1, p. 665.
U. S. G. S. Kawich topographic map.

Tonopah. Ag, Au, Pb, Cu, W.
Station T. & G. R. R.
Tertiary volcanics.
Veins, replacements.
Schrader, F. C., Stone, R. W., and Sanford, Samuel, Useful minerals of the
United States: U. S. Geol. Survey Bull. 624, pp. 199, 192, 194, 196, 197,
198, 1917.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada,
p. 184-185, 1923.
Budelman, Herman D., Tonopah, Nevada, best-known silver district: Eng.
Metal and Nonmetal Occurrences in Nevada

Nye County—Continued.

Tonopah—Continued.


Nolan, T. R., The underground geology of the western part of the Tonopah mining district, Nevada: Univ. of Nevada Bull., vol. 21, No. 4, 1930; Geology and ore deposits of the Tonopah mining district, Nevada.


1920, pt. 1, pp. 508-509.


1927, pt. 1, pp. 469, 469-471.


U. S. G. S. Tonopah and Tonopah Special topographic maps.

Trappans. Ag, Au.

40 miles ESE, Goldfield, T. & G. R. R.

Granite.

Veins.


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 193, 1923.

U. S. G. S. Kawich topographic map.

Troy (Irwin Canyon, Nyala). Ag, Au, Pb.

About 30 miles S, Currant P. O.

Sedimentary rocks.

Veins.

Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 193-194, 1923.


1926, pt. 1, pp. 551.

Twin River. Ag.

50 miles S, Austin, N. C. R. R.

Slate.

Veins.

Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 194-195, 1923.

U. S. G. S. Tonopah topographic map.

Tybo (Hot Creek, Keystone). Ag, Au, Pb, Cu, Sb, Mn.

70 miles NE, Tonopah, T. & G. R. R.

Paleozoic sediments and Tertiary volcanics.

Veins, replacements.


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 195, 1923.


1926, pt. 1, p. 551.

1928, pt. 1, p. 471.

1929, pt. 1, p. 667.

U. S. G. S. Morey Peak topographic (adv. 1933) map.

Metal and Nonmetal Occurrences in Nevada

Nye County—Continued.

Union (Elin, Lone). Ag, Au, Pt, Ag, Pb, Zn, Co, W.

60 miles SW, Austin, N. C. R. R., W. slope Shoshone Range; 40 miles NE, Lincoln, S. P. R.

Carboniferous sediments and Tertiary volcanics.

Veins, pyrometals.


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 195-197, 1923.


1926, pt. 1, p. 508.

1924, pt. 1, p. 444.

1925, pt. 1, p. 682.

1926, pt. 1, p. 551.


U. S. G. S. Tonopah topographic map.

Wahmonie. Ag, Au.

30 miles E, Beatty, T. & T. R. R.

Veins.


U. S. G. S. Furnace Creek topographic map.

Washington. Ag, Pb.

28 miles SSW, Austin, N. C. R. R., on Lander County border.

Paleozoic sediments.

Veins.


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 197, 1923.


1929, pt. 1, p. 325.

Wellington (O'Brien). Au, Ag.

20 miles E, Cripple Creek.

Tertiary volcanics.

Veins.


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 197-198, 1923.

U. S. G. S. Kawich topographic map.

Willow Creek. Au, Ag, Cu.


Paleozoic sediments and Tertiary eruptives.
Wilsons. Ag, Au, 38 miles ESE Goldfield, T. & G. R. R.
Tertiary volcanics.
Veins.
Linear, Francis Church, Mining districts and mineral resources of Nevada, pp. 198-199, 1923.
Min. Res. 1924, pt. 1, p. 444.
1925, pt. 1, p. 692.
1926, pt. 1, p. 472.

Wilson. Ag, Au.

Vatlien vein.

Winnemucca, H. T. & G. R. R.

Virginia (Washoe). Au, Cu, Ag, As.
38 miles W. Mill City, S. P. R. R., W. P. R. R., in Trinity Range.
Triassic slate intruded by dikes of rhyolite porphyry.
Veins.
Linear, Francis Church, Mining districts and mineral resources of Nevada, p. 291, 1923.
1926, pt. 1, p. 551.
1929, pt. 1, p. 667.
U. S. G. S. Lovelock (adv.) topographic map.

Black Knob. Sh.
N. end Humboldt Lake Range.
Jurassic calcareous slate.
Veins.
Linear, Francis Church, Mining districts and mineral resources of Nevada, p. 196, 1923.
U. S. G. S. Lovelock (adv.) topographic map.

Buena Vista (Unionville). Ag, Au, Pb, Cu, Sh, Ve.
25 miles by road S. Mill City, S. P. R. R., on E. slope Humboldt Range.
Triassic sedimentary rocks cut by granite intrusives and covered in part by Tertiary volcanic rocks and Quaternary sediments and wash.
Replacement.
Linear, Francis Church, Mining districts and mineral resources of Nevada, pp. 263-264, 1923.
1925, pt. 1, p. 569.
1925, pt. 1, p. 646.
1926, pt. 1, p. 552.
1929, pt. 1, p. 667.
U. S. G. S. Lovelock (adv.) topographic map.

Copper Valley (Ragged Top). W. Cu.
30 miles W. Poulton, sitting on S. P. R. R.
Limestone cut by quartz diorite dikes.
Contact metamorphic.
Linear, Francis Church, Mining districts and mineral resources of Nevada, pp. 263-264, 1923.
U. S. G. S. Lovelock (adv.) topographic map.

Echo (Rye Patch). Ag, Au, Cu, Pb, W.
W. flanks Humboldt Range, central Pershing County.
Limestone cut by diabase dike.
Veins, contact metamorphic.
Linear, Francis Church, Mining districts and mineral resources of Nevada, pp. 264-265, 1923.
Min. Res. 1924, pt. 1, p. 446.
1929, pt. 1, p. 668.
U. S. G. S. Lovelock (adv.) topographic map.
Metal and Nonmetal Occurrences in Nevada  

PERSHING COUNTY—Continued.

Farrell (Stone House).  Au.
45 miles NW. Lovelock, S. P. R. R.
Tertiary rhyolite.
Veins and lenses.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 205, 1923.
Increasing gold prospecting embraces entire world; many strikes are reported: Eng. & Min. Jour., vol. 132, No. 4, August 24, 1931, p. 182.
U. S. G. S. Lovelock (adv.) topographic map.

Gold Banks.  Hg, Ag, Au.
40 miles S. Winnemucca, S. P. R. R., W. P. R. R.
Quartz porphyry.
Replacements.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 205-206, 1923.
U. S. G. S. Sonoma Range (adv.) topographic map.

Haystack.  Au.
7 miles S. Jumbo, W. P. R. R.
Granite and quartzite.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 206, 1923.
U. S. G. S. Lovelock (adv.) topographic map.

Imlay (Humboldt, Prince Royal, Eldorado).  Ag, Au, Pb, Cu, Hg.
6 miles S. Imlay, S. P. R. R.; 4 miles E. Humboldt, S. P. R. R.
Jurassic sediments cut by granite and capped by Tertiary volcanics.
Veins, replacements.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 206-207, 1923.
U. S. G. S. Lovelock (adv.) topographic map.

Indian.  Ag, Au.
Indian Canyon, E. flank Humboldt Range.
Placer, veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 207, 1923.
U. S. G. S. Lovelock (adv.) topographic map.

Iron Hat.  Pb, Ag, Cu.
20 miles S. Valley, S. P. R. R., E. slope Sonoma Range.
Limestone.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 207, 1923.
U. S. G. S. Sonoma Range (adv.) topographic map.
Loring (Lovecok, Willard)—Continued.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 209, 1923.
1925, pt. 1, p. 66.
U. S. G. S. Lovecok (adv.) topographic maps.

Nightingale (Central). W. Ag, Cu.
7 miles NW. Mill City, S. P. R. R., on SE. slope Eugene Mountains. Sediments intruded by porphyritic rocks and granodiorite. Replacements, contact metamorphic.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 209–216, 1923.
1924, pt. 1, p. 496.
1925, pt. 1, p. 612.
1928, pt. 1, p. 123.
U. S. G. S. Lovecok (adv.) topographic maps.

Mineral Basin. Fe, Hg.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 210, 1923.
U. S. G. S. Carson Sink and Lovecok (adv.) topographic maps.

Mistleberry. Ag, Pb, Cu.
9 miles ESE. Lovecok, S. P. R. R. Triassic and Jurassic sediments capped by Tertiary volcanics in places.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 211, 1923.
U. S. G. S. Lovecok (adv.) topographic maps.

Nightingle. W.
E. side Lake Winnemucca, in Nightingle Range. Sediments and quartz monzonite. Contact metamorphic.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 211–212, 1923.
1928, pt. 1, p. 125.
U. S. G. S. Granite Range topographic maps.

Placezites (Rabbit Hole). Au, P1, Cu.
50 miles N. Lovecok, S. P. R. R. Phleers.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 212, 1923.
U. S. G. S. Lovecok (adv.) topographic maps.

Relief (Antelope Springs). Hg, Ag, Au, Sb.
22 miles E. Lovecok, S. P. R. R. Triassic limestone.
Relief (Antelope Springs)—Continued.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 212–213, 1923.
U. S. G. S. Lovecok (adv.) topographic maps.

Rochester (Nen describing Oreana). Au, P1, Ag, Ph, Cu, Sb.
9 miles E. Oreana, S. P. R. R. Triassic volcanics.
Veins and placers.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 213–215, 1923.
1923, pt. 1, p. 509.
1924, pt. 1, pp. 445–446.
1925, pt. 1, p. 653.
1926, pt. 1, p. 532.
1929, pt. 1, p. 668.
U. S. G. S. Rochester Special and Lovecok (adv.) topographic maps.

Rosebud (Sawtooth). Ag, Au, P1, Cu, Ph.
10 miles SE. Sulphur, W. P. R. R. Jurassic sediments and Tertiary volcanics.
Veins, placers.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 215, 1923.
1923, pt. 1, p. 509.
1925, pt. 1, p. 603.
1926, pt. 1, p. 553.
1929, pt. 1, p. 668.
U. S. G. S. Lovecok (adv.) topographic maps.

Sacramento. Ag, Au, P1.
W. flank Humboldt Range, in central Persing County. Triassic limestone.
Sacramento—Continued.

Veins and placers.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 215-216, 1923.
U. S. G. S. Lovelock (adv.) topographic map.

San Jacinto. Ag, Pb, As.
9 miles NW. Rye Patch, S. P. R. R.
Shale and granite.

Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 216, 1923.
U. S. G. S. Lovelock (adv.) topographic map.

Scossa. Au.
50 miles S. Lovelock, S. P. R. R.
Shales and schist interbedded with sandstones and limestones.

Veins.
Nevada Mining Press, January, 1931.
U. S. G. S. Lovelock (adv.) topographic map.

Seven Troughs. Au, Ag, Cu, Pb.
30 miles NW. Lovelock, S. P. R. R.
Tertiary volcanics.

Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pt. 2, 1916-1917.
1923, pt. 1, p. 699.
1924, pt. 1, p. 446.
1925, pt. 1, p. 698.
1926, pt. 1, p. 552.
1928, pt. 1, p. 473.
1929, pt. 1, p. 608.
U. S. G. S. Lovelock (adv.) topographic map.

Sierra (Sunshine, Dun Glen, Chafey, Oro Fino). Au, Ag, Pb, Cu.
10 miles S. Mill City, S. P. R. R.
Limestone cut by volcanics.
Veins and placers.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 217-218, 1923.
Metal and Nonmetal Occurrences in Nevada

PERSHING COUNTY—Continued.

Wild Horse. Pb, Ag, As, Cu, Sb.
S. Lovelock, S. P. R. R., on E. side Humboldt Lake Range.
Triassic slates and limestones.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 221, 1923.
U. S. G. S. Lovelock (adv.) topographic map.

Wrights Canyon. W.
5 or 6 miles NE. Oreana (steep automobile road).
Limestone.
Contact metamorphic; veins.
U. S. G. S. Lovelock (adv.) topographic map.

STORRY COUNTY

Castle Peak (Red Mountain). Hg.
10 miles N. Virginia City.
Tertiary andesite and Triassic sediments.
Veins.
Nevada Mining Press, July 6, 1928.
U. S. G. S. Carson topographic map.

Comstock (Virginia City, Gold Hill, Silver Star, Flowery). Au, Ag, Pb, Cu, Hg.
Virginia City station, V. & T. R. R.
Diiorite and Tertiary volcanics.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 222–233, 1923.

The drama of Virginia City: A partial reprint of Mon. 7, published by the Nevada Branch of the American Association of University Women, 1927.


Increasing gold prospecting embraces entire world; many strikes are reported: Eng. & Min. Jour., vol. 132, No. 4, p. 182, August 24, 1931.

1929, pt. 1, p. 669.
U. S. G. S. Carson topographic map.

WASHOE COUNTY

Cottonwood (Round Hole). Au, Ag, Pb.
E. Sano, Susanville Branch, S. P. R. R.
Sedimentary rocks intruded by quartz monzonite.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 234–235, 1923.
U. S. G. S. Granite Range topographic map.

Deep Hole. Au.
Reynard, W. P. R. R., N. Snake Creek Desert.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 234, 1923.
U. S. G. S. Granite Range topographic map.

Donnelly (Gerlach). Au, Ag.
39 miles N. Gerlach, W. P. R. R.
Sedimentary rocks intruded by granodiorite and capped by Tertiary volcanics.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 234, 1923.
U. S. G. S. Long Valley topographic map.

Jumbo (West Comstock). Au, Ag.
W. flank Mt. Davidson in Virginia Range.
Diorite.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 236, 1923.
1925, pt. 1, p. 655.
1926, pt. 1, p. 554.
U. S. G. S. Carson topographic map.

Leadville. Pb, Ag, Zn, Au.
38 miles N. Gerlach, W. P. R. R.
Tertiary volcanics.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 236–237, 1923.
1923, pt. 1, p. 511.
1924, pt. 1, p. 447.
1925, pt. 1, p. 655.
1926, pt. 1, p. 554.
1928, pt. 1, p. 474.
U. S. G. S. Long Valley topographic map.

Peavine (Reno, Crystal Peak). Au, Pl, Ag, Cu, W. Pb.
Schists and quartz monzonite, Tertiary volcanics.
Peavine (Reno, Crystal Peak)—Continued.

Veins, replacements, placer.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 237-238, 1923.
1923, pt. 1, p. 511.
1924, pt. 1, p. 447.
1925, pt. 1, p. 695.
1926, pt. 1, p. 564.
1928, pt. 1, p. 474.
1929, pt. 1, p. 699.
U. S. G. S. Reno topographic map.

Pyramid. Cu, Ag, Au, Pb.
Tertiary volcanics.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 238, 1923.
1929, pt. 1, p. 699.
U. S. G. S. Reno topographic map.

Sheephead. Au.
15 miles W, Reyward, W. P. R. R.
U. S. G. S. Granite Range topographic map.

Steamboat Springs. Hg.
Station V. & T. R. R.
Tertiary volcanics.
Imregnarins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 219, 1923.
U. S. G. S. Carson topographic map.

Washeo (Galena). Pb, Au, Ag, Zn, Cu, As.
1 mile N. Washoe, V. & T. R. R.
Granite.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 235, 1923.

Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 245, 1923.

1924, 1924, 1924, 1924, 1924.
1925, pt. 1, p. 498.
1925, pt. 1, p. 498.
1925, pt. 1, p. 498.


Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 245-251, 1923.


1924, 1924, 1924, 1924, 1924.
1925, 1925, 1925, 1925, 1925.
1926, 1926, 1926, 1926, 1926.
1927, 1927.
1929, 1929, 1929, 1929, 1929.

U. S. G. S. Ely topographic map.

Hunter. Pb, Cu, Ag, Au, Zn.

Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 251, 1923.

1929, 1929, 1929, 1929, 1929.

Gold Canyon. Au, Ag.

1907, 1907, 1907, 1907, 1907.
1908, 1908, 1908, 1908, 1908.
Metal and Nonmetal Occurrences in Nevada

WHITE PINE COUNTY—Continued.

Granite (Shoshone). Au, Ag, Pb. 6 miles SW. Granite, N. N. R. R.
Paleozoic sediments cut by granite.
Veins, replacements.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 251, 1925.
Min. Res. 1923, pl. 1, p. 512.
1924, pl. 1, p. 448.
1925, pl. 1, p. 496.
1926, pl. 1, p. 555.
1928, pl. 1, p. 475.

Nevada. Ma, Ag.
10 miles SE. Ely, N. N. R. R., W. slope Schell Creek Range.
Limestone. Replacements.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 252, 1923.

Newark (Strawberry). Ag, Pb, Cu, Au.
9 miles NNE, Eureka, E. & P. R. R., E. slope Diamond Range.
Limestone.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 252-253, 1923.
Min. Res. 1923, pl. 1, p. 338.

Osceola. Au, Pt, Ag, Pb, W.
40 miles SE. Ely, N. N. R. R.
Paleozoic sediments cut by monzonite porphyry.
Veins, placers.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 253, 1923.
Min. Res. 1922, pl. 1, p. 338.
1923, pl. 1, p. 512.
1924, pl. 1, p. 448.
1925, pl. 1, p. 696.
1926, pl. 1, p. 555.
1928, pl. 1, p. 475.
1929, pl. 1, p. 670.

Pierron. Ag, Au.
66 miles from Ely, E. slope Schell Creek Range.
Stale and quartzite.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 253-254, 1923.
Min. Res. 1926, pl. 1, p. 555.
1928, pl. 1, p. 475.
1929, pl. 1, p. 670.

Sacramento. Au, Ag, W.
At Sacramento Pass, W. flank Snake Range.
Limestone and slate.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 254, 1923.

Shoshone (Minerva, Lexington). W, Ag.
55 miles SE. Ely, N. N. R. R.
Limestone, veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 254-255, 1923.

Snake (Bonita). W, Ag.
S. Baker P. O., E. flank Snake Range on Utah border.
Granite.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 255, 1923.

Taylor (Ward). Pb, Cu, Ag, Au.
16 miles SSE. Ely, N. N. R. R.
Paleozoic sediments cut by monzonite porphyry.
Veins, contact metamorphic.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 255-257.
1923, pl. 1, p. 514.
1924, pl. 1, p. 450.
1925, pl. 1, p. 696.
1926, pl. 1, p. 557.
1929, pl. 1, p. 477.

Tungsten (Hub, Lincoln). W, Ag.
Quartzites and argillites intruded by granite porphyry.
Veins.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, p. 256, 1923.

Warm Springs. Au, Ag.
36 miles N. Ely, N. N. R. R., in Egan Range.
Quartz veins.

White Pine (Hamilton). Pb, Ag, Cu, Au, Zn.
36 miles W. Ely, N. N. R. R.
Paleozoic sediments cut by granodiorite and monzonite.
Veins, replacements.
Lincoln, Francis Church, Mining districts and mineral resources of Nevada, pp. 257-259, 1923.
The term mineral is used in its broader meaning here, including such items as slate, shale, stone, etc. Thirty-nine minerals are listed, occurring in 208 localities throughout the State. The list includes only those occurrences which have been noted or described by the United States Geological Survey, or other publications, and represents only a small part of the actual occurrences in the State.

The table on page 92 shows the distribution by counties of the nonmetal minerals listed in this bulletin.

**NONMETALS BY MINERALS**

**ALUM**

References—


**CHURCHILL COUNTY**

Fallon.


Top sheet Wabuska.

**ELKO COUNTY**

Fenelon.

14 miles north of Fenelon, on main line of Southern Pacific Railroad, Min. Res. 1017, pt. 2, p. 433.

**ESMERALDA COUNTY**

Silver Peak.

10 miles north of Silver Peak.


Duncan, L., op. cit.

Top sheet Silver Peak.

**CLARK COUNTY**

Railroad Pass.

About 9 miles beyond Railroad Pass on the road to Black Canyon, and 3 miles south.

Carpenter, J. A., op. cit.

Top sheet Camp Mohave.
# Metal and Nonmetal Occurrences in Nevada

## Metal and Nonmetal Occurrences in Nevada

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<th>Metal and Nonmetal Occurrences in Nevada</th>
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## ALUNITE

### References
- Gale, H. S., and Hicks, W. B., Potash in 1917: Mineral Resources of the United States, 1918, Part 2, pp. 332-333.

## CLAIRE COUNTY

### Las Vegas

## ESMEERALDA COUNTY

### Cuprite

### Goldfield

## HUMBOLDT COUNTY

### Sulphur

## MINERAL COUNTY

### Bovard

## ASPHALT

### Reference

### BIRITE

### Reference
BARITE—Continued.

CHURCHILL COUNTY

Engleville.
43 miles southwest of Fallon.
Top sheet Carson Sink.

GOODSPRINGS

CLARK COUNTY

Top sheet Goodsprings.

ESMERALDA COUNTY

Lonc Mountain.
Near Blair, 15 miles west of Tonopah.
Top sheet Lida.

Candelaria.
6 miles southeast of Candelaria.
Locality furnished by U. S. Bureau of Mines.
Top sheet Hawthorne.

ELKO COUNTY

Carlin.
Locality furnished by U. S. Bureau of Mines.

MINERAL COUNTY

Kincaid.
Top sheet Hawthorne.

Hawthorne.
Top sheet Hawthorne.
16 miles west of Mina.
Locality furnished by U. S. Bureau of Mines.
Top sheet Hawthorne.

Nye County

30 miles east of Tonopah.
Locality furnished by U. S. Bureau of Mines.

WHITE PINE COUNTY

In the vicinity of Ely, near Cherry Creek.

BENTONITE—Continued.

CHURCHILL COUNTY

Ash Meadows.
10 miles northeast of Death Valley Junction.

Nye County

Sodaville.
3 miles southwest of Sodaville, Sec. 12, T. 5 N., R. 34 E.
Deposit visited by G. E. Mansfield, Geological Survey.
Top sheet Hawthorne.

ESMERALDA COUNTY

References—

CLARK COUNTY

Muddy Mountains.
22 and 34 miles northeast of Las Vegas.
Gale, H. S., op. cit.
Top sheet St. Thomas.

MISER ALDA COUNTY

Fish Lake Marsh.
18 miles southeast of Fallon.
Top sheet Silver Peak.

Columbus Marsh.
12 miles southeast of Candelaria.
Top sheet Tonopah.

MINERAL COUNTY

Rhodas Marsh.
8 miles south of Mina.
Top sheet Hawthorne.

BRUCITE

References—
BRUCITE—Continued.


NYE COUNTY

30 miles northeast of Luning.


Top. sheet Tonopah.

Downeyville (Bentonitic Clay).

Beatty.

9 miles east and 8 miles southeast of Beatty.


Cox, E. E., op. cit.

Top. sheet Furnace Creek.

OREANA.

12 miles east of Oreana (Pitt-Roelund mine).


Top. sheet Rochester mining district.

Loveck.

CLAY

References—


CHURCHILL COUNTY

(See Pershing County.)

LINCOLN COUNTY

Elgin.

Near Elgin.

Locality furnished by U. S. Bureau of Mines.

Top. sheet Pioche.

MINERAL COUNTY

Sodaville (Bentonitic Clay).

3 miles southwest of Sodaville, Sec. 12, T. 5 N., R. 34 E.

Deposit visited by G. R. Mansfield, Geological Survey.

Top. sheet Hawthorne.

Beatty.

DIATOMACEOUS EARTH

REFERENCES—


FALLON.

Locality furnished by U. S. Bureau of Mines.

Top. sheet Carson Sink.

JESSUP.

North and south of Jessup.

Davis, C. W., op. cit.

Top. sheet Carson Sink.

SKELL CREEK.

8 miles southeast of Eastgate.

Davis, C. W., op. cit.

CARLIN.

1½ miles north of Vivian.

Davis, C. W., op. cit.

EARDLEY-WILMOT, V. L., op. cit.

Anonymous, op. cit.


1929, pt. 2, p. 75.

ESMERALDA COUNTY

Basalt and Mt. Montgomery.


1929, pt. 2, p. 75.

White Mountain and Hawthorne topographic maps.

CROW SPRINGS.

11 miles northwest of Millers.

Davis, C. W., op. cit.

Top. sheet Tonopah.

GOLDFIELD.

Davis, C. W., op. cit.

Top. sheet Goldfield Special.

MINERAL COUNTY

BASET.

Locality furnished by U. S. Bureau of Mines.

Top. sheet Hawthorne.

COAL—Continued.

COAL—Continued.

Esmeralda County.

T. 2 N., R. 37 E.


Top. sheet Tonopah.

References—


CHURCHILL COUNTY

(See Pershing County.)

LINCOLN COUNTY

Elgin.

Near Elgin.

Locality furnished by U. S. Bureau of Mines.

Top. sheet Pioche.

MINERAL COUNTY

Sodaville (Bentonitic Clay).

3 miles southwest of Sodaville, Sec. 12, T. 5 N., R. 34 E.

Deposit visited by G. R. Mansfield, Geological Survey.

Top. sheet Hawthorne.

Beatty.

9 miles east and 8 miles southeast of Beatty.


Cox, E. E., op. cit.

Top. sheet Furnace Creek.

OREANA.

12 miles east of Oreana (Pitt-Roelund mine).


Top. sheet Rochester mining district.

Loveck.

25 miles east by southeast of Loveck (near boundary between Pershing and Churchill Counties—exact location not known).


Top. sheet Carson Sink.

WHITE PINE COUNTY

Ely.

Locality furnished by U. S. Bureau of Mines.

Top. sheet Ely.

COAL

Reference—


Metal and Nonmetal Occurrences in Nevada

DIATOMACEOUS EARTH—Continued.

NYE COUNTY

Black Spring.
Northwest of Cloverdale district, northwestern Nye County.
Davis, C. W., op. cit.
Top, sheet Tonopah.

Velvet and Rye Patch.
East flank of Trinity Range.
Davis, C. W., op. cit.

PERSHING COUNTY

Chalk Hills (Parker and Noe).
9 miles northeast of Virginia City.
1929, pt. 2, p. 75.
Davis, C. W., op. cit.
Eardley-Wilmot, V. L., op. cit.
Top, sheet Carson.

STOREY COUNTY

Peavine Peak.
Northwest of Reno on Peavine Peak.
Davis, C. W., op. cit.
Top, sheet Reno.

Verdi.
9 miles west of Reno.
Davis, C. W., op. cit.
Eardley-Wilmot, V. L., op. cit.
Top, sheet Reno.

DOLOMITE

References—
Anonymous, Unusual lime operations in far west: Rock Products, April 26, 1930, pp. 41–53.

Sloan.
Rock products, op. cit.
Carpenter, Jay A., op. cit.
Top, sheet Tonopah.

DUMORTIERITE

References—

NYE COUNTY

Bound Mountain.
Jones, J. C., op. cit.
Top, sheet Tonopah.

PERSHING COUNTY

Humboldt Queen Canyon.
6 miles east of Oreana.
Jones, J. C., op. cit.

Metal and Nonmetal Occurrences in Nevada

DUMORTIERITE—Continued.

PERSHING COUNTY—Continued.

Rochester.
West slope of Lincoln Hill.
Jones, J. C., op. cit.
Fairbanks, E. E., op. cit.
Knopf, Adolph, op. cit.
Top, sheet Rochester Mining District and Lovelock (adv.).

WASHOE COUNTY

Granite Range.
Southern end of Granite Range, approximately 8 miles northwest of Gerlach.
Jones, J. C., op. cit.
Top, sheet Granite Range.

FIELDSPAR

References—

CLARK COUNTY

Nipton.
11 miles from railroad at Nipton, Calif.
Carpenter, J. A., op. cit.
Top, sheet Ivanpah.

FLUORSPAR

References—

MINERAL COUNTY

Broken Hills.
5½ miles from Broken Hills, Baxter mine.

Mt. Montgomery.
2½ miles south of Mt. Montgomery Station.
Deposit reported by Southern Pacific Company, Geological Department.
Top, sheet White Mountain.

SYE COUNTY

Beatty.
4½ miles southeast of Beatty, Daisy mine, in Rare Mountains.
1921, pt. 2, p. 42.
1925, pt. 2, p. 11.
1929, pt. 2, p. 15.
Top, sheet Furnace Creek.
Metal and Nonmetal Occurrences in Nevada

FULBEE'S EARTH
ESMERALDA COUNTY
Basalt (nearest town).
Localities furnished by U. S. Bureau of Mines.
Top sheet Hawthorne or White Mountain.

NYE COUNTY
Ash Meadows.
Amargosa Valley.
Bradford Siding.
Death Valley Junction.
Johnnie.
Localities furnished by U. S. Bureau of Mines.
Top sheet Furnace Creek.

GRANITE AND RELATED ROCKS


ELKO COUNTY
Elko.
Some distance north and south of Elko.
Reid, John A., op. cit.

HUMBOLDT COUNTY
Winnemucca.
12 miles north of Winnemucca and on Winnemucca Peak.
Reid, John A., op. cit.
Top sheet Paradise.

LYON COUNTY
Mason Valley.
In Hudson Pass.
Reid, John A., op. cit.
Top sheet Wellington.

MINERAL COUNTY
Luning.
Near Luning.
Reid, John A., op. cit.
Top sheet Hawthorne.

ORMSBY COUNTY
Lakeview.
South of Lakeview, 3 miles northwest of Carson City.
Reid, John A., op. cit.
Top sheet Carson.

STOREY COUNTY
Virginia City (Diorite).
On Mt. Davidson.
Reid, John A., op. cit.
Top sheet Carson.

WASHOE COUNTY
GRANITE AND RELATED ROCKS—Continued.

Lawton.
Reid, John A., op. cit.
Top sheet Reno.

Ophir.
About a mile northwest of Franktown.
Reid, John A., op. cit.
Top sheet Carson.

Verdi.
About 10 miles west of Reno.
Reid, John A., op. cit.
Top sheet Reno.

Washoe.
West of Washoe.
Reid, John A., op. cit.
Top sheet Carson.

GRAPHTITE


MINERAL COUNTY
Rawhide.
25 miles southwest of Rawhide.
Top sheet Hawthorne.

ORMSBY COUNTY
Carson.
4 miles by road southwest of Carson City, Secs. 25 and 26, T. 13 N., R. 19 E.
Top. sheet Carson.

GYPSUM


CLARKE COUNTY
Arden.
In the foothills of the Spring Mountain Range about 15 miles southwest of Las Vegas and about 5 miles west of the mill at Arden.
Top. sheet Las Vegas.

Las Vegas.
7 miles northeast of Las Vegas.
Top. sheet Las Vegas.
Metal and Nonmetal Occurrences in Nevada

Gypsum—Continued.

CLARK COUNTY—Continued.

Moapa.
In the Muddy Range directly south of Moapa, in T. 16 S., R. 66 E.
Top, sheet St. Thomas.

Virgin River.
In the valley of Virgin River between St. Thomas and the mouth of the
eriver.
Top, sheet St. Thomas.

Galat.
In the Meadow Valley Range, 27 miles north of Moapa.
Top, sheet Pioche.

LYNCON COUNTY

Ludlow and Mason.
At the base of the western slope of the Smith Valley Range.
Top, sheet Wellington.

MINERAL COUNTY

Hawthorne.
3 miles west of Hawthorne.
Top, sheet Hawthorne.

ORMSBY COUNTY

Mound House.
Near Mound House.
Top, sheet Carson.

PERSHING COUNTY

Gerlach.
At the western base of Luxor Peak toward the northern end of the Truckee
Range and about 10 miles south of Gerlach.
Top, sheet Granite Range.

Loveland.
In the west Humboldt Mountains east of Loveland.
U. S. Geol. Survey Bull. 697, pp. 146-149.

Table Mountain.
28 miles a little south of east of Loveland.

LIMESTONE—Continued.

CLARK COUNTY

Sloan.
1924, pt. 2, pp. 228, 301.
1929, pt. 2, p. 287.
Carpenter, Jay A., op. cit.
Anonymous, Rock Products, op. cit.
Top, sheet Ivanpah.

KLIN.
Carpenter, Jay A., op. cit.
Top, sheet Ivanpah.

PALISADE

Locality furnished by U. S. Bureau of Mines.

LYNCOY COUNTY

Kyle.
Locality furnished by U. S. Bureau of Mines.
Top, sheet Pioche.

Dayton.
Top, sheet Carson.

Wabuska.
Top, sheet Wabuska.

ORMSBY COUNTY

Carson City.
Top, sheet Carson.

MAGNESITE

References—
Gale, H. S., Late developments of magnesite deposits in California and
Survey Bull. 798, 1928.
Yale, C. G., Magnesite in 1915: Mineral Resources of the United States, 1915,
Part 2, p. 1024.
Yale, C. G., and Stone, R. W., Magnesite in 1920: Mineral Resources of the
United States, 1920, Part 2, pp. 11-12.
An immense deposit of magnesite in southern Nevada: Geological Survey

CLARK COUNTY

Muddy River Valley.
Several outcrops in the area between 2 miles west of Overton and 3 miles
southwest of Kaolin.
Min. Res. 1920, pt. 2, pp. 11-12.
Top, sheet St. Thomas.

ESMERALDA COUNTY

Goldfield.
Near Goldfield.
Top, sheet Goldfield Special.
MAGNESITE—Continued.

ESMERALDA COUNTY—Continued.

Lone Mountains.
Near Mount Diablo base line, Rs. 39 to 41 E.
Top. sheet Lida.

NYE COUNTY
Near Ash Meadows, T. 17 S., R. 6 E.
Top. sheet Furnace Creek.

MARBLE

References—

CLARK COUNTY

Las Vegas.
14 miles north of Las Vegas.
Top. sheet Las Vegas.

ELKO COUNTY

Lamoille Valley.
Reid, John A., op. cit.

MINERAL COUNTY

Luning.
Reid, John A., op. cit.
Top. sheet Hawthorne.

Mina.
Near Mina.
Top. sheet Hawthorne.

NYE COUNTY

Carrara.
3 miles south of Beatty.
Top. sheet Furnace Creek.

Humboldt Mountains.
Reid, John A., op. cit.

WHITE PINE COUNTY

Gandy.
In the area between 5 and 7 miles west by south of Gandy, Utah.

MICA

References—

Metal and Nonmetal Occurrences in Nevada

CLARK COUNTY

Virgin Range.
About 13 miles east by north of Roville, in Virgin Range.
Top. sheet St. Thomas.

ELKO COUNTY

Ruby Valley.
Mutual mine mine, 6 miles south of Ruby Valley, Sec. 15, T. 29 N., R. 58 E.

NITRATE

References—

CHURCHILL COUNTY

Lovelock.
On the west slope of the Humboldt Range on Humboldt Lake, southwest of Lovelock, in Churchill and Pershing Counties.
Top. sheet Carson Sink.

CLARK COUNTY

Virgin Valley.
Lower valley of Maddy Creek and valley of Virgin River below St. Thomas.
Top. sheet St. Thomas.

ESMERALDA COUNTY

Fish Lake Valley.
On the east side of Fish Lake Valley.
Top. sheet Silver Peak.

HUMBOLDT COUNTY

Soldier Meadows.
Ts. 39 and 40 N., Rs. 24 and 25 E.
Unpublished manuscript.
Top. sheet Long Valley.

NYE COUNTY

Railroad Valley.
Canyons bordering west side of Railroad Valley.

CHURCHILL COUNTY

Lovelock. (See Churchill County.)

OIL SHALE

References—
OIL SHALE—Continued.

Lincoln, Francis Church, Mining districts and mineral resources of Nevada, 1923.

ELOKO COUNTY

Carlin.
Near Carlin, S. P. R. R., W. P. R. R.
Lincoln, F. C., op. cit.
Buwalda, J. P., op. cit.

Charleston.
North of Charleston and near Copper Mountain.
Lincoln, F. C., op. cit.

Elko.
Near Elko in western Elko County, S. P. R. R., W. P. R. R.
Buwalda, J. P., op. cit.
Lincoln, F. C., op. cit.
U. S. G. S. Halleck (adv.) sheet.

NYE COUNTY

Carr. East of Carr in northeastern Nye County.
Lincoln, F. C., op. cit.

Pavine Mountain.
10 miles northwest of Reno, S. P. R. R., W. P. R. R.
Lincoln, F. C., op. cit.
U. S. G. S. Reno top. sheet.

WHITE PINE COUNTY

At Hamilton, in White Pine Range.
Lincoln, F. C., op. cit.

OPAL

References—
Bray, J. C., Opal field in Nevada: The Mining American, Denver, Colo., December 11, 1915.

HUMBOLDT COUNTY

Virgin Valley.
25 miles southwest of Denio, Ore.
1911, pt. 2, p. 1060.
1913, pt. 2, pp. 677-680.
Bray, J. C., op. cit.
Gordon, C. C., op. cit.
Top. sheet Long Valley.

METAL and NONMETAL OCCURRENCES IN NEVADA

PHOSPHATE

Reference—

CHURCHILL COUNTY

OcaJ and Huxley.
Top. sheet Carson Sink.

ELOKO COUNTY

Ely and Osceola.
Top. sheet Ely.

POTASH

Reference—
Phalen, W. C., Potash salinas, summary for 1911: Mineral Resources of the United States, 1911, Part 2, pp. 890-891.
Phalen, W. C., Potash salinas, summary for 1913: Mineral Resources of the United States, 1913, Part 2, pp. 85-86.

CHURCHILL COUNTY

Carson Sink.
1912, pt. 2, pp. 880-882.
Top. sheet Carson Sink.

Dixie Salt Marsh (Humboldt Salt Marsh), Dixie Valley.
East of Carson Desert and Stillwater Mountains.
Top. sheet Carson Sink.

Fourmile Flat (Eightmile Flat and Sand Springs Valley).15 to 30 miles southeast of Fallon.
Top. sheet Carson Sink.
Metal and Nonmetal Occurrences in Nevada

Columbus Marsh.
On or near the line between Esmeralda and Mineral Counties.
Top. sheets Hawthorne and Tonopah.

Fish Lake Valley.
Top. sheet Silver Peak.

Silver Peak Marsh.
Top. sheet Silver Peak.

Pahranagat Lake.
18 miles south of Pahranagat Lake.
Playa deposit examined by J. P. Runwalda. Very small amount of potash found. Results unpublished.
Top. sheet Las Vegas.

Ash Meadows.
Top. sheet Furnace Creek.

Railroad Valley.
Ts. 8 and 9 N., R. 56 E.

Black Rock Desert.
Northwestern Pershing County.
Top. sheet Granite Range.

Lovelock.
7 miles north and 8 miles northeast of Lovelock.

Smoke Creek Desert.
4 wells drilled for potash with negative results.
Results unpublished.
Top. sheet Granite Range.

Pumice

Washoe County

Pumice

Reno.
5 miles west of Reno.
Locality furnished by U. S. Bureau of Mines.
Top. sheet Reno.

Quartz (Silica)

Clark County

Crystal.
11 miles northwest of Crystal station on the U. P. R. R.

Overton.
6 miles southwest of Overton.

White Basin.
12 miles southeast of Crystal station.

Nye County

Beatty (Riders Spur).
Locality furnished by U. S. Bureau of Mines.
Top. sheet Bullfrog Special or Furnace Creek.

Salt

References—

Churchill County

Dixie Salt Marsh.
East of Carson Desert and Stillwater Mountains.
Top. sheet Carson Sink.

Leete (P. O. Fernley).
18 miles east of Wadsworth.
Mon. 11, pp. 233-234.
Top. sheet Carson Sink.

Parran (P. O. Hazen).
10 miles south of Humboldt Lake.
Top. sheet Carson Sink.

Sand Springs (P. O. Fallon).
35 miles southeast of Fallon.
Mon. 11, pp. 234-235.
Top. sheet Carson Sink.

White Plains (P. O. Hazen).
4 miles north of Parran and 5 or 6 miles south of Humboldt Lake.
Top. sheet Carson Sink.
SALT—Continued.

CLARK COUNTY

Virgin River.
Between St. Thomas and the mouth of Virgin River.
Top. sheet St. Thomas.

ESMERALDA COUNTY

Columbus Marsh.
On or near the line between Esmeralda and Mineral Counties.
Top. sheet Hawthorne and Tonopah.

Silver Peak Marsh.
30 miles southeast of Columbus, in Clayton Valley, Ts. 1 and 2 S., R. 39, 40, and 41 E.
U. S. Geol. Survey Bull. 669, pp. 142-144.
Top. sheet Lida.

MINERAL COUNTY

Rhodes Marsh.
8 miles south of Minn.
Top. sheet Hawthorne.

NYE COUNTY

Railroad Valley.
Ts. 8 and 9 N., R. 56 E.

WASHOE COUNTY

Smoke Creek Desert.
Buffalo Springs Salt Works, west side of Smoke Creek Desert.
Mon. 11, pp. 233-233.
Top. sheet Granite Range.

SAND AND GRAVEL

CLARK COUNTY

Overton.
Locality furnished by U. S. Bureau of Mines.
Top. sheet St. Thomas.

WASHOE COUNTY

Reno.
Locality furnished by U. S. Bureau of Mines.
Top. sheet Reno.

WHITE PINE COUNTY

McGill.
Locality furnished by U. S. Bureau of Mines.

SANDSTONE—Continued.

CHURCHILL COUNTY

Fallon.
Near Fallon.
Reid, John A., op. cit.
Top. sheet Carson Sink.

ELKO COUNTY

Reid, John A., op. cit.
Top. sheet Paradise.

ORENSBY COUNTY

Carson City.
Near Carson City.
Reid, John A., op. cit.
Top. sheet Carson.

SLATE

REFERENCES—

SODIUM SULPHATE

REFERENCES—
Russell, I. C., Geological history of Lake Lahontan, a Quaternary lake of northwestern Nevada: Monograph 11, pp. 73-80, 1885.

CHURCHILL COUNTY

Sodium carbonate chiefly; also sodium sulphate.
Sodium carbonite chiefly; also sodium sulphate.
Soda lakes two miles northeast of Lehnevile.
Min. 11, pp. 73-80.
Top. sheet Carson Sink.
Metal and Nonmetal Occurrences in Nevada

SODIUM SULPHATE—Continued,

CLARK COUNTY

Goodsprings.
Top sheet Goodsprings.

ESMERALDA COUNTY

Silver Peak.
12 miles north of Silver Peak, in southwestern part of Big Smoky Valley.
Top sheet Silver Peak.

Wabuska.
East and northeast of Wabuska.
Mon. 11, p. 25.
Top sheet Wabuska.

MINERAL COUNTY

Rhodes Marsh.
Near Mina.
Top sheet Hawthorne.

Rawhide.
Near Hot Springs.
Locality furnished by U. S. Bureau of Mines.
Top sheet Carson Sink.

PERSHING COUNTY

Brown's Station (Tuff).

Buena Vista Valley.
East of Buffalo Peak in the northern part of Humboldt Range.

Sou Hot Spring (Dixie Valley).

WASHOE COUNTY

Granite Mountain.
At the springs east of Granite Mountain, on the western border of Smoke Creek Desert; and at the springs a few miles north of Granite Mountain.
Top sheet Granite Range.

Smoke Creek Desert.
Top sheet Granite Range.

STONE (VOLCANIC ROCK)

References—

LINCOLN COUNTY

Kyle (Basalite).
Locality furnished by U. S. Bureau of Mines.
Top sheet Pioche.

Metal and Nonmetal Occurrences in Nevada

STONE (VOLCANIC ROCK)—Continued.

LYON COUNTY

Virginia City (Rhyolite).
South of Virginia City, near the American Flat tunnel.
Reid, John A., op. cit.
Top sheet Carson.

OREMBY COUNTY

Merrimec Station (Tuff).
Reid, John A., op. cit.
Top sheet Carson.

PERSHING COUNTY

Lovelock (Tuff).
Northeast of Lovelock, on Southern Pacific Railroad.
Reid, John A., op. cit.
Topographic map Lovelock (adv.).

STORIE COUNTY

Virginia City (Andesite).
2 miles east of Virginia City.
Reid, John A., op. cit.
Top sheet Carson.

WASHOE COUNTY

Fulton's Quarry (Andesite).
North of Reno.
Reid, John A., op. cit.
Top sheet Reno.

Huffakers (Andesite).
5 miles south of Reno.
Reid, John A., op. cit.
Top sheet Carson.

Reno (Andesite).
About 4 miles southwest of Reno.
Reid, John A., op. cit.
Top sheet Carson.

Washoe (Tuff).
Reid, John A., op. cit.
Top sheet Carson.

SULPHUR

References—
SULPHUR—Continued.


ESMERALDA COUNTY

Caprite.
Near Caprite, 12 miles south of Goldfield.
Top sheet Lida.

Goldfield.
A mile east of Tegnuni Springs, east of Goldfield.
Top sheet Lida.

Silver Peak.
10 miles north of Silver Peak.
Top sheet Silver Peak.

HUMBOLDT COUNTY

Sulphur (Rabbit Hole Springs).
Near Sulphur and 3 miles to the east.
Crowley, A. J., op. cit.
Hazen, H. L., op. cit.

PERSHING COUNTY

Humboldt.
Near Humboldt.
Russell, R. C., op. cit.

STEAMBOAT SPRINGS

In vicinity of Steamboat Springs between Carson City and Reno.
Mon. 15, p. 340.
Top sheet Carson.

TALC AND SOAPSTONE

OREANA

Locality furnished by U. S. Bureau of Mines.

TURQUOISE

Reference—

TURQUOISE—Continued.


CLARK COUNTY

Crescent.
3 miles south 75° west Crescent.
Top sheet Ivanpah.

ESMERALDA COUNTY

Kimyoke.
3 miles northeast of Kimyoke.
Top sheet Lida.

Millers.
10½ miles north 40° west and 13 miles north of Millers.
Top sheet Tonopah.

Redlich.
12 miles north 40° east of Redlich; and about 1 mile southwest (two localities).
Top sheet Tonopah.

LANDE COUNTY

Cortez.
35 miles south of Beowawe.

HOT SPRINGS MINING DISTRICT.
35 miles south of Battle Mountain.

LYON COUNTY

Yerington.
7 miles north 75° west and 1½ miles north 25° west of Yerington.
Top sheets Wabuska and Yerington district.

NYE COUNTY

Millers.
12½ miles north 12° west of Millers and 7 miles northeast of Crow Springs, and another locality about one-third mile north.
Top sheet Tonopah.

VARISCITE

Reference—


ESMERALDA COUNTY

Blair Junction.
9 to 11 miles east of north of Blair Junction.
Top sheet Tonopah.
Metal and Nonmetal Occurrences in Nevada

VARISCITE—Continued.

ESMERALDA COUNTY—Continued.

Coomdale.

4 miles northeast of Coomdale.
Top. sheet Tonopah.

Rock Hill Siding.

2 miles west of Rock Hill siding and 1½ miles northwest of Columbus;
localities about 2 miles apart in a northeast-southwest direction.
Top. sheets Tonopah and Hawthorne.

MINERAL COUNTY

Candelaria.

Near the summit and on the opposite side of the mountain south of Cande-
laria.
Top. sheet Hawthorne.

Sodaville.

8 miles southwest of Sodaville.
Top. sheet Hawthorne.

ALPHABETIC LIST OF METAL MINING DISTRICTS

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