

UNITED STATES DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

MINING DISTRICTS AND MINERAL DEPOSITS OF
THE BASIN AND RANGE PROVINCE OF OREGON

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Open-File Report 1982
82-58

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MINING DISTRICTS AND MINERAL DEPOSITS OF
THE BASIN AND RANGE PROVINCE OF OREGON

The mining districts and mineral deposits described here indicate the distribution of known mineralized areas in the Basin and Range province of Oregon. The descriptive data and location of each mineral deposit or occurrence in the Basin and Range province were selected from the U.S. Geological Survey's Oregon Mineral Data System-Computerized Resource Information Bank (Oregon MDS-CRIB) file and plotted with the Cartographic Automatic Mapping (CAM) Program (CIA, 1977) at a scale of 1:500,000.

The Basin and Range province lies in the south-central and southwestern portion of Oregon, in Harney, Klamath, Lake and Malheur Counties (fig. 1), and is characterized by Tertiary age extrusive rocks. Mercury, gold, and uranium are the most abundant metallic commodities; other base metals and saline deposits also occur in the region. The major mercury districts are: the Steens-Pueblo district (Harney County) where mercury is found in fissure zones in silicified and kaolinized rhyolite; the Quartz Mountain district (Lake County) where opalite with alunite deposits occur in rhyolite and tuff; the Opalite district (Malheur County) where opalite is disseminated in Miocene age tuffaceous lake beds and in adjacent unsilicified tuffs. The major gold districts are limited to Lake County and include: the Brattain district where lead, zinc, copper, silver, and gold occur in quartz veins associated with granitic intrusives; the High Grade district where gold-bearing silicified breccia zones and quartz veins cut through rhyolite and andesite; and the Lost Cabin district where gold is found in fractures in andesitic to rhyolitic flows, tuffs, and breccia zones. Uranium occurs as isolated veins, masses and disseminated deposits in clayey tuffs and breccias.

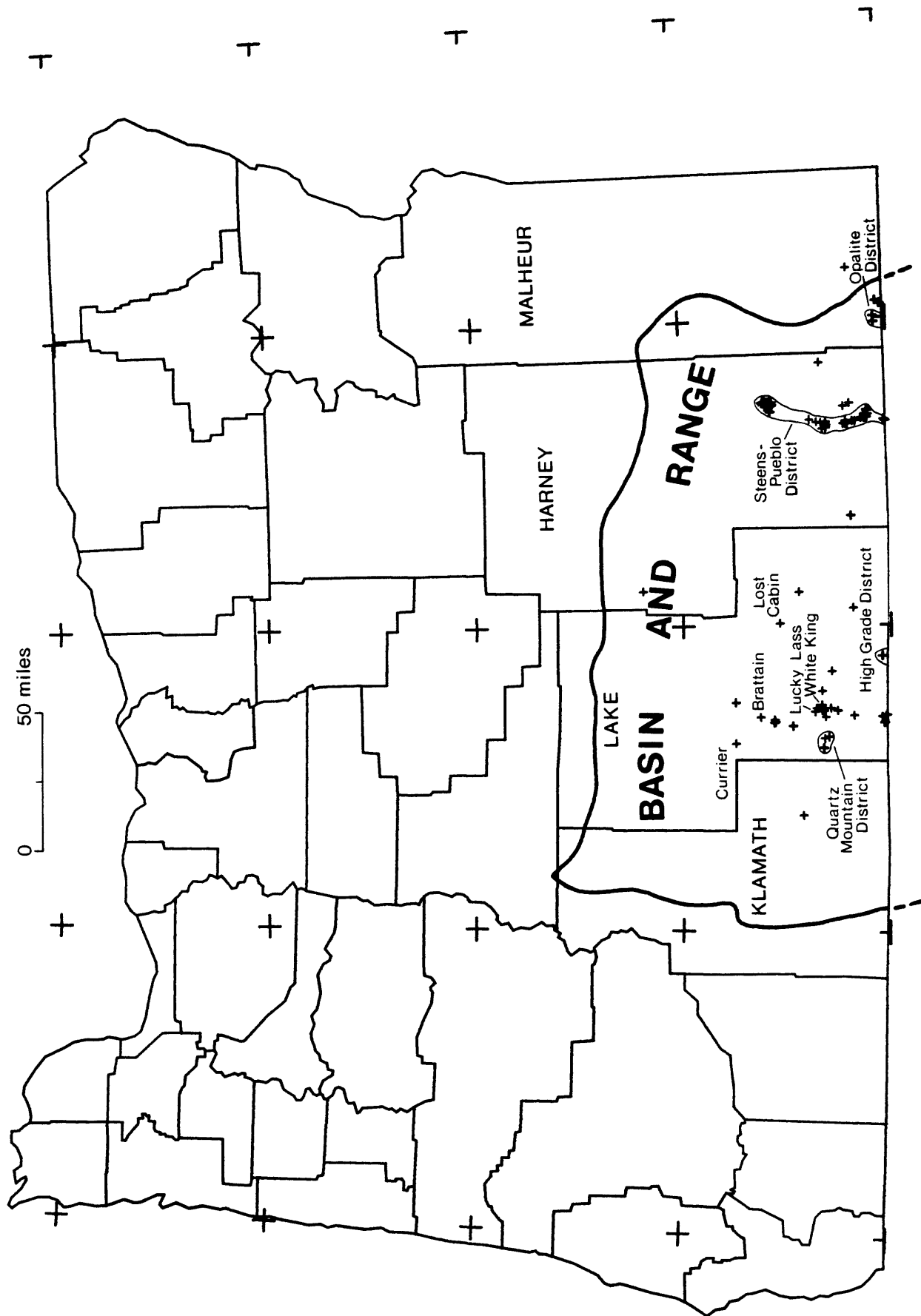


Figure 1. Index map of mining districts and mineral deposits in Basin and Range Province of Oregon.

A list of the metallic and nonmetallic commodity sites in the Basin and Range region was compiled from Oregon MDS-CRIB data; some additional information on nonmetallic deposits was obtained from Maridirosian (1976) and Mason (1951, rev. 1964). The mineral deposits and occurrences have been organized alphabetically by county and mining district into two tables. Table 1 is a summary of the major deposits and mining districts of the region; table 2 includes the site name, commodity, deposit type, location in cadastral and geodetic coordinates, and reference numbers for all of the documented commodity sites located in the province. A numbered bibliography follows table 2.

Oregon MDS-CRIB contains information about metallic and some nonmetallic commodities that are of national or international significance, their geologic occurrence and availability. The file contains location, geologic, resource, and production data collected from nonconfidential publications and commodity files. The universal transverse mercator (UTM) coordinates of each commodity site have been selected from Oregon MDS-CRIB and plotted on an index map and a map plot of scale 1:500,000 with the Cartographic Automatic Mapping (CAM) Program (CIA, 1977) on a Zeta 3600s drum plotter. The commodity types are represented on the map plot by the symbol (+). The outlines of the Basin and Range Province and the mining districts have been drawn from information given in the references.

BIBLIOGRAPHY

- Central Intelligence Agency, 1977, CAM-Cartographic automatic mapping program documentation, 5th ed.: National Technical Information Service (NTIS) Report PB-270-340, 121 p.
- Maridirosian, C. A., 1976, Mining districts and mineral deposits of Oregon: Copyright C. A. Mardirosian, scale 1:1,000,000.
- Mason, R. S., 1951 (revised 1964), Key to Oregon mineral deposits map: Oregon Department of Geology and Mineral Industries Miscellaneous Paper no. 2, 18 p.
- U.S. Geological Survey, 1975, Mineral resource perspective: U.S. Geological Survey Professional Paper 940, 24 p.

Table 1.--Summary of mining districts and major mineral deposits in the Basin and Range Province of Oregon

District or deposit name	Commodities present	Production in millions of dollars	Location
HARNEY COUNTY			
Isolated deposits			
Alvord Lake (Borax Lake)	Borax, Na	0-1	T. 37 S., R. 33 E.
Steens-Pueblo district			
Fisher Group deposit	Hg	0-1	T. 36 S., R. 33 E., SW1/4
Mogul (Lucky Strike deposit)	Hg	0-1	T. 37 S., R. 32.75 E., SE1/2
Rabbit Hole Group	Hg	0-1	R. 39 S., T. 34 E., E1/2
Steens Mountain	Hg	0-1	T. 34 S., R. 34 E.
LAKE COUNTY			
Isolated deposits			
Currier	Hg	0-1	T. 32 E., R. 16 E.
Lucky Lass	U	0-1	T. 37 S., R. 18 E., sec. 25
White King	U	1-10	T. 37 S., R. 19 E., sec. 30
Brattain district	Pb, Zn, Cu, Ag, Au	0-1	T. 34 S., R. 18 E.
High Grade district	Au	0-1	T. 41 S., R. 21 E.
Lost Cabin district	Au	0-1	T. 35 S., R. 23 E.
Gray	Hg	0-1	T. 34 S., R. 35 E.
Quartz Mountain district			
Angel Peak	Hg	0-1	T. 37 S., R. 17 E., sec. 32
MALHEUR COUNTY			
Opalite district			
Bretz	Hg	1-10	T. 41 S., R. 41 E., sec. 3
Opalite	Hg	1-10	T. 40 S., R. 40 E., sec. 33

Table 2.--Mining districts, mineral deposits and occurrences in the Basin and Range Province, Oregon

Deposit or occurrence name	Commodities present	Deposit type	Location		Location		References
			Township, Range	Section	Latitude N.	Longitude W.	
HARNEY COUNTY							
Isolated deposits and occurrences							
Alvord Lake	Borax, Na	Saline deposit	T. 36 S., R. 33 E.		--	--	13, 30
Borax Lake	Borates	do.	T. 37 S., R. 33 E.		--	--	14
Eileen	Hg	--	T. 37 S., R. 32.75 E.	26	42°17'57"	118°42'43"	29
Horse Head Mountains	Hg	Vein	T. 27 S., R. 25 E.	30, 31	43°11'33"	119°45'51"	4
Lobo #3	U, Hg	--	T. 34 S., R. 33 E.		42°34'	118°36'	27
Lucky Boy	Hg	--	T. 37 S., R. 36 E.	16	42°19'35"	118°16'54"	11, 29
McLean's Copper	Hg	--	T. 39 S., R. 34 E.	12	42°12'09"	118°40'09"	29
Mile High	Hg	--	T. 40 S., R. 35 E.	17	42°05'55"	118°37'40"	29
No. 6, Mary D	U	Disseminated	T. 34 S., R. 34 E.		42°34'	118°33'	27
Old Faithful No. 1	Hg	--	T. 37 S., R. 32.75 E.	25	42°17'56"	118°41'33"	11, 29
Old Hopeful and New	Hg	Veinlets	R. 34 S., R. 34 E.	19	42°34'24"	118°33'23"	29
Pueblo Mining Co.	Hg	--	T. 40 S., R. 35 E.	7, 8, 9	42°06'47"	118°37'41"	11, 29

Table 2.--Mining districts, mineral deposits and occurrences in the Basin and Range Province, Oregon--(Continued)

Deposit or occurrence name	Commodities present	Deposit type	Location		Location		References
			Township, Range	Section	Latitude N.	Longitude W.	
Red Hill	Hg, Cu	Hydrothermal	T. 39 S., R. 34 E.	11, 14	42°11'39"	118°41'13"	11, 29
South O'Keefe	Hg	--	T. 39 S., R. 35 E.	2	42°12'56"	118°34'08"	11, 29
Yellow Jacket	Hg	--	T. 37 S., R. 33 E.	30	42°17'55"	118°40'24"	29
--	U	--	T. 36 S., R. 33 E.		42°24'	118°50'	27
--	Cu, U, Hg	Vein	T. 40 S., R. 35 E.		42°06'	118°36'	27
--	U	Fracture filling	T. 34 S., R. 34 E.	20	42°34'25"	118°32'15"	16, 27
--	U, Cu	--	T. 40 S., R. 35 E.	18	42°06'	118°38'45"	16
--	U, Hg	--	T. 34 S., R. 34 E.	8	42°36'10"	118°32'15"	27
--	U, Hg	Vein	T. 40 S., R. 35 E.		42°06'	118°36'	27
--	U, Hg	do.	T. 40 S., R. 35 E.	8	42°06'45"	118°37'40"	27
--	U	--	T. 39 S., R. 29 E.		42°11'10"	119°17'20"	10
Steens-Pueblo District							
Alex-Ladd	U	--	T. 34 S., R. 34 E.	20, 29	42°34'25"	118°32'15"	22
Alexander	Hg	Fracture coating, seams	T. 34 S., R. 34 E.	30	42°33'46"	118°33'06"	2, 6, 29, 31
Apache	Hg, Cu	Vein	T. 40 S., R. 35 E.	7	42°06'49"	118°38'06"	11, 29, 31
Arizona	Hg, Cu, Mn, Au	--	T. 40 S., R. 35 E.	6	42°07'41"	118°39'01"	11, 24, 29

Table 2.--Mining districts, mineral deposits and occurrences in the Basin and Range Province, Oregon--(Continued)

Deposit or occurrence name	Commodities present	Deposit type	Location		Location		References
			Township, Range	Section	Latitude N.	Longitude W.	
Blair Group	Hg, Ba, Cu	Vein/shear zone	T. 37 S., R. 32.75 E.	26	42°17'57"	118°42'43"	4, 11 24, 29, 31
Blue Bull	Hg, Cu As	Shear zone	T. 39 S., R. 34 E.	24	42°10'19"	118°40'02"	4, 11, 24, 29, 31
Cash Group	Hg, Cu	Hydrothermal	T. 39 S., R. 34 E.	25	42°09'30"	118°40'04"	2, 4, 11, 29
Double Link	Hg, Cu	Fracture coating	T. 41 S., R. 34 E.	12, 13	42°00'48"	118°40'04"	4, 11, 25, 29, 31
Eldorado Group	Hg, Cu	Vein/shear zone	T. 37 S., R. 33 E.	7	42°20'39"	118°40'18"	4, 5, 31
Farnham	Ag, Au, Cu	Vein	T. 40 S., R. 34 E.	13, 18	--	--	25
Farnham (Wonder Rock)	Ag, Hg Au	do.	T. 40 S., R. 35 E.	8, 17	42°06'21"	118°37'40"	4, 6, 11, 29
Fisher Group	Hg, Ba Cu	Vein/shear zone	T. 36 S., R. 33 E.	32, 29, 17	42°22'40"	118°39'16"	2, 4, 11, 24, 29, 31
Harmony and Surprise Group	Hg, Cu	--	T. 39 S., R. 4 E.	2	42°12'54"	118°41'15"	11, 29, 31
Jack Pot	Hg	Disseminated	T. 34 S., R. 34 E.	30	42°33'32"	118°33'24"	4
Last Chance	Hg	Shear zone	T. 34 S., R. 34 E.	30	42°33'32"	118°33'24"	2, 4, 29
Lucky Star Group	Hg, Cu Ba	do.	T. 37 S., R. 33 E.	7, 18	42°19'21"	118°40'33"	4, 11, 29 31
Lucky Strike	Hg, Au	Fracture coating	T. 37 S., R. 32.75 E.	35	42°17'48"	118°41'26"	4, 11, 24, 29

Table 2.--Mining districts, mineral deposits and occurrences in the Basin and Range Province, Oregon--(Continued)

Deposit or occurrence name	Commodities present	Deposit type	Location		Location		References
			Township, Range	Section	Latitude N.	Longitude W.	
Mogul	Hg, Ba, Cu	Veinlets	T. 37 S., R. 32.75 E.	32	42°17'57"	118°42'14"	2, 4, 11, 29
Nellie B	Hg	"Paint"	T. 37 S., R. 32.75 E.	25	42°17'56"	118°41'33"	4, 11, 29, 31
O'Keefe	Hg, Cu, Ba	Fracture coating	T. 37 S., R. 32.75 E.	23	42°19'02"	118°43'01"	31
Pike	Hg	Veinlets	T. 34 S., R. 34 E.	30	42°33'32"	118°33'24"	4, 11, 29
Pike Creek carnotite	U, Hg	Hydrothermal	T. 34 S., R. 34 E.	17, 20	42°35'20"	118°32'35"	8, 16, 21, 28
Pot Hole	Hg	Fracture coating	T. 34 S., R. 4 E.	29	42°33'32"	118°32'13"	4
Pueblo Group	Hg, Au, Cu, Ag	Vein/shear zone	T. 40 S., R. 35 E.	17	42°06'15"	118°37'40"	4, 6, 29, 31
Rabbit Hole	Hg, Cu, Ba	Hydrothermal	T. 39 S., R. 34 E.	12	42°12'09"	118°40'09"	4, 11, 24, 29, 31
Red Hill	Hg	Fracture coating	T. 37 S., R. 33 E.	30	42°17'54"	118°40'17"	4, 24, 29, 31
Red King	Hg, Cu	Hydrothermal	T. 39 S., R. 34 E.	11	42°12'11"	118°41'14"	4, 24, 31
Rhoads	Hg, Ba	Disseminated, fracture coating	T. 34 S., R. 34 E.	18	42°35'17"	118°33'23"	4
Rhoads prospect	U, Mn	Secondary enrichment	T. 34 S., R. 34 E.	7	42°36'15"	188°32'38"	3
Spring Creek	Hg, Cu	Reef/shear zone	T. 39 S., R. 35 E.	12	42°11'10"	118°33'09"	11, 29, 31

Table 2.--Mining districts, mineral deposits and occurrences in the Basin and Range Province, Oregon--(Continued)

Deposit or occurrence name	Commodities present	Deposit type	Location		Location		References
			Township, Range	Section	Latitude N.	Longitude W.	
Steens Mtn. (Stephanson and Bradley)	Hg	Fracture coating	T. 34 S., R. 34 E.	19, 20	42°34'25"	118°33'00"	2, 4, 11, 24, 29, 31
Stewart	Hg	Veinlet	T. 34 S., R. 34 E.	30	42°33'19"	118°33'08"	4, 11, 29
Timberbeast	U, Mo	Secondary enrichment	T. 34 S., R. 34 E.	7, 8, 9	42°36'00"	118°32'36"	3, 20
Upper Pike	U	Volcanic, secondary enrichment	T. 34 E., R. 30 E. T. 34 S., R. 33 E.	3, 12, 13 18	42°35'33"	118°33'56"	27
KLAMATH COUNTY							
Isolated deposits and occurrences							
Givan Ranch	Hg	Vein(?)	T. 36 S., R. 12 E.	25	42°25'26"	121°14'11"	4
LAKE COUNTY							
Isolated deposits and occurrences							
Abert Lake	NaCl Na	Saline deposit	T. 33-35 S., R. 21 E.		--	--	1, 14
Adel	Hg	--	T. 39 S., R. 24 E.	16	42°10'53"	119°53'06"	4
Alkali Lake	NaCl, Na	Saline deposit	T. 30 S., R. 23 E.		--	--	1, 14
Bald Butte	U	--	T. 35 S., R. 18 E.	6	42°33'49"	120°38'15"	16
Batman	Hg	--	T. 41 S., R. 18 E.	4	42°02'27"	120°36'00"	4, 29

Table 2.--Mining districts, mineral deposits and occurrences in the Basin and Range Province, Oregon--(Continued)

Deposit or occurrence name	Commodities present	Deposit type	Location		Location		References
			Township, Range	Section	Latitude N.	Longitude W.	
Big Enough	U	--	T. 37 S., R. 18 E.	33	42°18'57"	120°35'55"	16
Big Surprise	Hg	--	T. 41 S., R. 18 E.	16	42°01'18"	120°35'25"	29
Bobcat	Hg	--	T. 41 S., R. 18 E.	4	42°02'27"	120°36'00"	29
Chewanacan River	Hg	--	T. 43 S., R. 18 E.	9, 16	42°37'44"	120°36'04"	4, 11, 29
Currier	Hg	Fracture filling	T. 32 S., R. 16 E.	36	42°45'01"	120°46'13"	2, 4, 11, 23, 29
Diamond Vee	U	--	T. 37 S., R. 18 E.	35	42°19' "	120°33'30"	19
Digmore	Hg	--	T. 38 S., R. 20 E. T. 38 S., R. 21 E.	12 7	42°17'14"	120°17'48"	29
Dozer and Lucky Strike	Hg	--	R. 41 S., R. 21 E.	1, 2	42°02'26"	120°12'02"	29
Fort Rock	NaCl, Na	Saline deposit	T. 26 S., R. 16 E.	35	--	--	1, 14
Hammersley	U	--	R. 37 S., R. 18 E.	35	42°19' "	120°33'30"	19
Hart Mountain	Hg	--	T. 36 S., R. 25 E.	16	42°26'37"	119°46'34"	4, 11, 29
Hope Claims	U	--	T. 38 S., R. 18 E.	23	42°15'30"	120°33'30"	8
Kingwell	Hg	--	T. 32 S., R. 19 E.	32	42°44'58"	120°30'00"	4, 11, 29
Los Oros and BVD Group	U	Disseminated in fault	T. 37 S., R. 18 E.	26	42°20' "	120°33'30"	--
Lucky Day and Topper	U	do.	T. 37 S., R. 18 E.	26, 35	42°19'30"	120°33'30"	7, 19

Table 2.--Mining districts, mineral deposits and occurrences in the Basin and Range Province, Oregon--(Continued)

Deposit or occurrence name	Commodities present	Deposit type	Location		Location		References
			Township, Range	Section	Latitude N.	Longitude W.	
Lucky Lass	U, Hg	Disseminated	T. 37 S., R. 18 E.	25	42°19'55"	120°25'24"	7, 10, 16
Marty K	U, Hg	do.	T. 37 S., R. 18 E.	13, 14	42°21'37"	120°32'24"	7, 10, 16
Muddy	Hg	---	T. 39 S., R. 18 E.	16	42°10'47"	120°35'20"	29
O'Leary	Hg	Veinlets, fracture filling	T. 35 S., R. 18 E.	5	42°33'47"	120°37'05"	4
Pie 1	U	---	T. 37 S., R. 18 E.	35	42°19' "	120°33'30"	19
Pinto Group	Hg	Disseminated	T. 41 S., R. 18 E.	6	42°02'00"	120°38'18"	4
Summer Lake	NaCl, Na	Saline deposit	T. 30-32 S., R. 16, 17 E.		---	---	1, 14
S & M	U	Seam and joint coatings	T. 38 S., R. 18 E.	12	42°17'30"	120°32'30"	7
White King	U, As, Hg, Sb, Mo	Vein, disseminated	T. 37 S., R. 19 E.	30	42°20'00"	120°31'15"	7, 16
---	U, Hg	---	T. 36 S., R. 17 E.	1	42°28'30"	120°39'30"	27
Brattain district							
Gaylord	Pb, Zn, Cu, Ag, Au	Veinlets	T. 34 S., R. 18 E.	11	---	---	13, 21
Prospects	Cu, Pb	---	T. 34 S., R. 19 E.	18, 19	---	---	13, 21
High Grade district (only partly in Oregon)							
Several prospects	Au	Vein/shear zone	T. 41 S., R. 21 E.		---	---	6, 13, 21

Table 2.--Mining districts, mineral deposits and occurrences in the Basin and Range Province, Oregon--(Continued)

Deposit or occurrence name	Commodities present	Deposit type	Location		Location		References
			Township, Range	Section	Latitude N.	Longitude W.	
Lost Cabin (Coyote Hill) district							
Gray (Windy Hollow)	Hg	Disseminated	T. 35 S., R. 23 E.	14, 15	42°32'02"	119°58'53"	4, 6, 11, 29
Quartz Mountain district							
Angel Peak	Hg	Fracture coating	T. 37 S., R. 17 E.	32	42°19'16"	120°44'35"	2, 4, 29
Crone	Hg	Disseminated	T. 37 S., R. 16 E.	3	42°19'26"	120°48'14"	4
Manzanita Group	Hg	Fracture coating	T. 37 S., R. 16 E.	26	42°19'38"	120°47'59"	4
Rosalite	Hg	--	T. 38 S., R. 17 E.	5	42°18'00"	120°43'52"	4
MALHEUR COUNTY							
Isolated deposits and occurrences							
Alcorte	Hg	--	T. 39 S., R. 43 E.		42°10'56"	117°40'15"	11, 29
Burnell -Larson	Hg	Disseminated	T. 40 S., R. 40 E.	34, 35, 36	42°03'33"	117°59'23"	29
Sunset Mercury	Hg	--	T. 41 S., R. 41 E.		42°01'29"	117°54'30"	11, 29
--	U	--	T. 27 S., R. 37 E.	13	43°13'40"	118°07'45"	9
Opalite (McDermitt) district							
Bretz	Hg, As	Veinlets, disseminated	T. 41 S., R. 41 E.	3	42°02'44"	117°53'26"	2, 4
Opalite	Hg, U, Li	Fracture filling	T. 40 S., R. 40 E.	33	42°03'19"	118°01'30"	2, 4, 26

REFERENCES

1. Allison, I. S., and Mason, R. S., 1947, Sodium salts of Lake County, Oregon: Oregon Department of Geology and Mineral Industries Short Paper 17, 12 p.
2. Bailey, E. H., U.S. Geological Survey, personal files.
3. Brooks, H. C., 1956, Uranium occurrences on Little Alford Creek, Harney County, Oregon: Oregon Department of Geology and Mineral Industries, unpublished report.
4. ———, 1963, Quicksilver in Oregon: Oregon Department of Geology and Mineral Industries Bulletin 55, 223 p.
5. ———, 1971, Quicksilver deposits in Oregon: Oregon Department of Geology and Mineral Industries Miscellaneous Paper 15, 1 sheet.
6. Brooks, H. C., and Ramp, Len, 1968, Gold and silver in Oregon: Oregon Department of Geology and Mineral Industries Bulletin 61, 337 p.
7. Cohenour R. E., 1960, Geology and uranium occurrences near Lakeview, Oregon: U.S. Atomic Energy Commission Report ME-2070, 33 p.
8. Corcoran, R. E., and Wagner, N. S., 1955, Pike Creek carnotite group: Oregon Department of Geology and Mineral Industries, unpublished file report.
9. Erickson, E. H., 1977, Preliminary study of the uranium favorability of Malheur County, Oregon: U.S. Department of Energy Report GJBX-92 (77), 13 p.
10. Erickson, E. H., and Curry, W. E., 1977, Preliminary study of the uranium favorability of Tertiary rocks, southeastern Oregon: Southern Lake, Harney, and western Malheur Counties: U.S. Department of Energy Report GJBX no. 92 (77), 18 p.
11. Frederick, Francis, 1945, State of Oregon map showing location of quicksilver deposits: Oregon Department of Geology and Mineral Industries, scale 1:1,000,000.
12. Lemmon, D. M., unpublished data.
13. Mardirosoian, C. A., 1976, Mining districts and mineral deposits of Oregon: Copyright C. A. Mardirosoian, scale 1:1,000,000.
14. Mason, R. S., 1951, Lightweight aggregate industry in Oregon: Oregon Department of Geology and Mineral Industries G.M.I. Short Paper 21, 23 p.
15. ———, (1951, revised 1964), Key to Oregon mineral deposits map: Oregon Department of Geology and Mineral Industries Miscellaneous Paper no. 2, 18 p.
16. Matthews, T. C., 1955, Oregon radioactive discoveries in 1954 and 1955: Ore Bin, v. 17, no. 12, p. 87-93.
17. Parks, H. M., and Swartley, A. M., 1916, Mineral resources of Oregon: Oregon Bureau of Mines and Geology, v. 2, no. 1, 114 p., no. 2, 136 p.
18. Peterson, N. V., 1958, Oregon's uranium picture: Ore Bin, v. 20, no. 12, p. 111-117.
19. ———, 1959, Preliminary geology of the Lakeview uranium area: Ore Bin, v. 21, no. 2, p. 11-16.
20. ———, 1969, Uranium, in Mineral and water resources of Oregon: Oregon Department of Geology and Mineral Industries Bulletin 64, p. 180-185.
21. Peterson, N. V., and McIntyre, J. R., 1970, The reconnaissance geology and mineral resources of eastern Klamath County and western Lake County, Oregon: Oregon Department of Geology and Mineral Industries Bulletin 66, 70 p.
22. Rambosck, A. J., and Holen, H. K., 1956, U.S. Atomic Energy Commission Grand Junction, Colo.: Preliminary Reconnaissance Report R-90, 1 p.
23. Ross, C. P., 1941, Some quicksilver prospects in adjacent parts of Nevada, California, and Oregon: U.S. Geological Survey Bulletin 931-B, p. 23-37.
24. ———, 1942, Quicksilver deposits in the Steens and Pueblo Mountains, southern Oregon: U.S. Geological Survey Bulletin 931-J, p. 227-258.
25. Rowe, W. A., 1971, Geology of the south-central Pueblo Mountains, Oregon-Nevada: Corvallis, Oregon State University, M.S. thesis.
26. Rytuba, J. J., Conrad, W. K., and Glanzman, R. K., 1979, Uranium, thorium, and mercury distribution through the evolution of the McBurnitt caldera complex: U.S. Geological Survey Open-File Report 79-541, 12 p.
27. Schafer, Max, 1956, Uranium prospects in Oregon: Ore Bin, v. 18, no. 12, p. 101-104.
28. Twitchell, C. L., and Halmstead, P. N., 1955, U.S. Atomic Energy Commission Grand Junction, Colo.: Preliminary Reconnaissance Report R-21, 1 p.
29. U.S. Bureau of Mines, 1965, Mercury in Oregon, in Mercury potential of the United States: U.S. Bureau of Mines Information Circular 8252, p. 301-336.
30. U.S. Geological Survey, Oregon Department of Geology and Mineral Industries, U.S. Bureau of Reclamation, and other agencies, 1969, Mineral and water resources of Oregon: U.S. 90th Cong., 2nd sess., Senate Comm. Interior and Insular Affairs, Committee Print (Oregon Dept. Geology Mineral Industries Bull. 64), 462 p.
31. Williams, Howel, and Compton, R. R., 1953, Quicksilver deposits of Steens Mountain and Pueblo Mountains, southeast Oregon: U.S. Geological Survey Bulletin 995-B, p. 19-77.
32. Wolfe, H. D., and White, D. J., 1951, Preliminary report on tungsten in Oregon: Oregon Department of Geology and Mineral Industries Short Paper 22, 24 p.