

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
Head Office: 702 Woodlark Building, Portland 5, Oregon

State Governing Board

Niel R. Allen, Chairman, Grants Pass
H. E. Hendryx Baker
Mason L. Bingham Portland
F. W. Libbey, Director

Staff

Hollis M. Dole Geologist
L. L. Hoagland Assayer & Chemist
C. W. F. Jacobs Ceramist
Ralph S. Mason Mining Engineer
T. C. Matthews Spectroscopist
M. L. Steere Geologist
R. E. Stewart Geologist
D. J. White Geologist

Field Offices

2033 First Street, Baker
N. S. Wagner, Field Geologist

714 East "H" Street, Grants Pass
Harold D. Wolfe, Field Geologist

PUBLIC AGENCIES CONNECTED WITH MINERAL RESOURCES

How do I go about patenting a mining claim? Who has supervision of State water rights? From whom can I lease State land? Where can I find out if I have good soil? Where can I obtain maps and geological reports? These are typical of the inquiries continually received by the Department. To answer these and other questions of this kind the accompanying list has been compiled.

FEDERAL

<u>Agency</u>	<u>Address</u>	<u>Service and Information</u>
Atomic Energy Commission	Raw Materials Division Grand Junction, Colorado or P.O. Box 30, Ansonia Station New York 23, New York	Information on and analysis of radioactive ores. Grants licences to sell and lets contracts to buy uranium-bearing ores. Commission has charge of all activities having to do with applications of radioactive materials.
Bonneville Power Administration (Interior Department)	729 N.E. Oregon Street Portland, Oregon	Power transmission to mining areas and metallurgical plants.
Bureau of Federal Supply (Treasury Department)	Chief, Purchase Division Strategic and Critical Materials Branch, 7th & D Streets Washington 25, D.C.	Purchasing agent for strategic and critical materials to be stockpiled.
Bureau of Land Management (Interior Department)	Administration Building Swan Island Portland 18, Oregon	Administers public land laws.

<u>Agency</u>	<u>Address</u>	<u>Service and information</u>
Bureau of Land Management (Interior Department)	Oregon District Land Office Swan Island Postal Station Portland 18, Oregon	Maintains maps showing status of all Federal lands in State.
"	Oregon and California Railroad Revested Lands and Coos Bay Wagon Road Grant Lands Oregon District Land Office Swan Island Postal Station Portland 18, Oregon	Maintains file of mineral lo- cations on O & C and Coos Bay Wagon Road Grant Lands.
"	Public Survey Office Swan Island Postal Station Portland 18, Oregon	Handles applications for min- eral patents and mineral surveys. Maintains records of land patents.
U.S. Bureau of Mines (Interior Department)	S. M. Shelton, Chief Metallurgical Division Northwest Electro-Development Laboratory Albany, Oregon	Provides factual data, statisti- cal and technical information on metallurgical problems.
"	S. H. Lorain, Chief Albany Branch, Mining Division Albany, Oregon	Investigations and exploration of mineral deposits.
"	Publications Distribution Section 4800 Forbes Street Pittsburgh 13, Pennsylvania	Distributes Bureau Reports of Investigations, Information Circulars, Periodical Reports, Mineral Resources.
Coast and Geodetic Survey (Commerce Department)	Panama Building AT 4742 534 S.W. 3rd Avenue Portland, Oregon	Sells planimetric maps of Port- land area and hydrographic charts of navigable streams and coastline.
Corps of Engineers U.S. Army	Pittock Block Room 537 Portland, Oregon	Information on power resources. Sells U.S. Army Engineer topo- graphic quadrangle maps. In- formation relating to navigable streams, dam sites, and harbor improvements.
Department of Commerce	520 S.W. Morrison Street (Pioneer Post Office) BR 8471, Ext. 151 Portland, Oregon	Have data on imports and exports; trade lists of off- shore buyers and sellers.
Federal Works Agency Public Roads Administration	W. H. Lynch, Division Engineer P.O. Box 3900 Broadway-Oak Building Portland, Oregon	Constructs and supervises roads in public lands and national forests.
U.S. Forest Service (Agriculture Department)	Surveys and Maps Division Builders Exchange Building AT 8277 Portland, Oregon	U.S. Forest Service maps. Aerial photos.
U.S. Geological Survey (Interior Department)	Ground-Water Division, AT 6171 Main Post Office Building Broadway and Glisan Portland, Oregon	Water-well records and other information on ground water.

<u>Agency</u>	<u>Address</u>	<u>Service and information</u>
U.S. Geological Survey (Interior Department)	Surface-Water Division, AT 6171 Main Post Office Building Broadway and Glisan Portland, Oregon	Data on stream flow and run-off.
"	Director, U.S. Geological Survey Washington 25, D.C.	Sells U.S. Geol. Survey Circulars, geologic folios, topographic quadrangle maps. Information on maps, aerial photographic control surveys.
"	Denver Federal Center Denver, Colorado	Sells U.S. Geol. Survey topographic and geologic maps of areas west of Mississippi River.
U.S. Geological Survey Conservation Division	Water and Power Branch 619 Post Office Building P.O. Box 3485 Portland 8, Oregon (L. L. Bryan, Regional Engineer)	Classification and mapping of public lands for power sites and reservoirs. Maintains file of topographic maps of western United States.
"	Mining Branch Salt Lake City, Utah	Handles royalties and leases of certain mineral deposits on public lands.
U.S. Geological Survey Topographic Branch	C. A. Ecklund Division Engineer Pacific Division Sacramento, California	Information on status of topographic mapping in State.
"	Map Information Office Washington 25, D. C.	Information on maps, aerial photographs, and control surveys.
Soil Conservation Service (Agriculture Department)	Administration Building Swan Island Portland 18, Oregon	Information on soils and water, dam sites, and materials for constructing dams.
"	State Headquarters Benton Hotel Corvallis, Oregon	
Superintendent of Documents	Government Printing Office Washington 25, D.C.	Sells U.S. Bureau of Mines Bulletins and Technical Papers. U.S. Geol. Survey Annual Reports, Monographs, Professional Papers, Bulletins, Water-Supply Papers.

STATE

Corporation Commissioner (State of Oregon)	Maurice Hudson 518 State Office Building Salem, Oregon	Status of Oregon mining corporations.
Department of Geology and Mineral Industries	702 Woodlark Building 813 S.W. Alder Street Portland 5, Oregon BR 2276	Analysis and identification of rocks and minerals, clay testing, spectrographic analysis, information on mining and geology, examination of mineral deposits, makes field studies, publishes and sells reports and maps.

STATE

<u>Agency</u>	<u>Address</u>	<u>Service and information</u>
Department of Geology and Mineral Industries (cont.)	Field Office 2033 First Street Baker, Oregon	Information on geology and mineral deposits; field in- spections of mining properties; preparation of reports.
"	Field Office 714 East "H" Street Grants Pass, Oregon	Department reports for sale.
Board of Engineering Examiners (State of Oregon)	Builders Exchange Building 3rd and Stark Streets Portland, Oregon AT 0053	Conducts examinations for registration of engineers and land surveyors. Maintains lists of registered engineers and surveyors.
Board of Health (State of Oregon)	1022 S.W. 11th Avenue Portland, Oregon AT 9233	Bacteriological tests on drinking water. Analysis of gases and fumes; chemical analysis of water.
Oregon State College Engineering and Geology Departments	Department of Geology Corvallis, Oregon	Engineering and geologic in- vestigations. Soil studies.
State Engineer (State of Oregon)	Charles E. Stricklin 504 State Office Building Salem, Oregon	Information on surface and subsurface water rights.
State Forestry Department	N. S. Rogers, State Forester 2600 State Street Salem, Oregon	Administers laws relating to mineral deposits in State forests.
State Highway Department	State Office Building Salem, Oregon	Investigations of road construction materials.
State Land Board	E. T. Pierce, Clerk Capitol Building Salem, Oregon	Administers laws relating to mineral deposits on State lands.
University of Oregon Geology Departments	Department of Geology Eugene, Oregon	Geological investigations.

COUNTY

County Agricultural Agents (one in each county)	Usually located at county seat.	Analysis of soils for acidity, potash, and deficiencies.
County Assessor or County Surveyor	Offices in all county seats.	Information on ownership of county land.
County Recorder or County Clerk	Offices in all county seats.	Records filings such as location notices, miner's liens, proofs of labor, etc.

PROSPECTORS BEWARE

Public Law 107 and Public Law 115, both of the 81st Congress, each contains identical provisions which read as follows:

"Notwithstanding the provisions of any Act of Congress to the contrary, any person who hereafter prospects for, mines, or removes, by strip or open pit mining methods, any minerals from any land included in a stock raising or other homestead entry or patent, and who had been liable under such an existing Act only for damages caused thereby to the crops or improvements of the entryman or patentee, shall also be liable for any damage that may be caused to the value of the land for grazing by such prospecting for, mining, or removal of minerals. Nothing in this section shall be construed to impair any vested right in existence on the effective date of this section."

Although it does not appear at this writing that the results of this provision will be very serious, it is rather a pertinent commentary on the attitude toward mining of many people who make our laws. The intent is plain and that is to insure the homesteader against tangible damage to crops and an intangible loss of value of land for grazing purposes. This, in effect, tells the prospector or miner to work on this land at his peril even though the law setting up stock raising and homesteading reserves the mineral to the United States and allows prospecting and mining under certain definite restrictions. The viewpoint of the provision is to protect the rancher as against the miner. It is a sign of the times. The farmer must be protected at all costs. The miner who might provide minerals which would preserve the country in time of war has an additional obstacle placed in his path. How is the value of land for grazing purposes to be determined equitably in a case where grazing has not been practiced at the time of alleged damages to the land, but at some future time the homesteader might wish to use his land for grazing?

Congress intended that there should be no mistake about this provision becoming a part of our mining law since the provision was inserted in two different laws.

GEOPHYSICAL SURVEY REPORT IN OPEN FILE

A preliminary report of a geophysical survey in the Ochoco quicksilver district, east of Prineville, Oregon, has been released according to an announcement made July 12, 1949, by Director W. E. Wrather of the Geological Survey.

The purpose of this study was to detect by the use of geophysical methods subsurface geologic structures favorable to the concentration and deposition of mercury minerals.

The geophysical survey, made under the cooperative auspices of the U.S. Geological Survey and the U.S. Bureau of Mines, covers a strip approximately one mile long in the southwestern part of the Johnson Creek fault area, and consists of a magnetic grid with traverse readings at 25-foot intervals across the fault zone. When correlated with the geology of the area, the geophysical data show a series of igneous dikes which apparently follow the zone of weakness of the Johnson Creek fault system.

Copies of the report and accompanying maps have been placed on open file in order to make this information immediately available to those interested. They may be examined at the U.S. Geological Survey offices, 1033 (Library), Federal Works Agency Building, and 5360 Interior Building, Washington, D.C., and at 203 Custom House, Baltimore, Maryland; at U.S. Bureau of Mines offices, 2258 Interior Building, Washington, D.C., and at Albany, Oregon; and at the State Department of Geology and Mineral Industries, Portland, Oregon.

PLACER OPERATION SUSPENDS

The Rush Construction Company, Baker, Oregon, has suspended placer operations in Stices Gulch south of Baker. Operational difficulties reportedly caused suspension.

TUNGSTEN DISCOVERY NEAR ASHLAND, OREGON

A promising discovery of scheelite, ore of tungsten, has been made on the Bratcher property 3 miles southwest of Ashland. Discovery of scheelite in samples taken by L. A. Bratcher was made by C. L. Hodges, Ashland agate and fluorescent mineral collector, through use of an ultraviolet lamp. An ore zone 4 to 12 feet in width is exposed by initial workings. The length and depth of the deposit are as yet undetermined. More than 100 tons of ore has been shipped to the Tulare County Tungsten Mines plant near Lindsey, California, for milling. Five men are employed at the Bratcher property.

STANDARD MINE LEASED

Mr. Bert Hayes, John Day, Oregon has leased the old Standard Mine near Prairie City, Grant County, and is engaged in cleaning out the lower tunnel for inspection purposes. The Standard Mine is one of the old properties of the Quartzburg district. Over 40 years ago considerable underground work was done and a mill built. The principal ore was copper but the mine became best known because of cobalt in the ore.

A.S. & R. HISTORY

"Metal Magic" is the title of a history of the American Smelting and Refining Company recently published.

Everybody in metal mining knows of the A.S. & R. as it is always called. A history of A.S. & R. is in large part a history of American mining, as the company was founded, expanded, and became powerful just as American mining, as we know it, blossomed out into the great industrial force of today. "Metal Magic" by Isaac F. Marcossion tells of the fabulous rise of the Guggenheim family and the founding and branching out of their empire over the mining world in the form of A. S. & R. One can comment accurately on "Metal Magic" not that truth is stranger than fiction but that truth is more interesting than most fiction.

METAL MARKETS

According to E&MJ Metal and Mineral Markets, New York, July 21, 1949, metal prices have rebounded somewhat from their depressed condition early in July. Copper was the first to feel the strength of buying because of low inventories and both copper and lead reacted because of buying for the national stockpile. Zinc was the last metal to have an increase in price which occurred on July 18, raising the market price to 9½ cents East St. Louis. Copper is now 17 5/8 cents Connecticut Valley and lead is 14 cents New York. The most recent reports are that demand for all three metals continues good. (July 26 price of zinc raised to 10 cents.)

The market for quicksilver has continued to be dull and the price has remained unchanged at \$78-80 per flask depending upon quantity. It has been reported that 1500 flasks of Japanese quicksilver has been offered to SCAP for \$57.50 which, plus \$19.00 duty and \$2.50 transportation, would make the total \$79.00. Report is that no interest was shown in the offer.

The New York quotation for foreign silver remains steady at 71½ cents per ounce. Reports are that requests for prompt delivery indicate low inventories.

Little or no interest has been shown in chrome and tungsten ores by consumers. Chrome ore consumers are believed to have considerable stocks on hand. Current antimony ore quotations have been somewhat lower at from \$4.00 to \$4.25 per unit of antimony in 50 to 55 percent ore.

OREGON LIMONITE CLEANS B. C. GAS

According to the Raw Materials Survey News Letter issue of June-July 1949, James M. Orr, industrial minerals dealer of Portland has contracted to supply 1500 tons of limonite to be mined at Scappoose, Oregon, to a gas company in British Columbia. The limonite is used as a sulphur absorber in purifying the gas.

Note: CLAIM OWNERS REMEMBER TO FILE "DESIRE TO HOLD" BEFORE AUGUST 1, 1949.