

STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
Head Office: 1069 State Office Bldg., Portland 1, Oregon
Telephone: Capitol 6-2161, Ext. 488

Field Offices

2033 First Street
Baker

239 S. E. "H" Street
Grants Pass

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. This is a revision of the original list which appeared in the July 1949 issue of The Ore.-Bin.

FEDERAL

<u>Agency</u>	<u>Address</u>	<u>Service and Information</u>
Atomic Energy Commission	Raw Materials Division Grand Junction, Colorado	Information on and analysis of radio-active ores. Grants licences to sell and lets contracts to buy uranium-bearing ores. Commission has charge of all activities related to radio-active materials.
Bonneville Power Administration (Interior Department)	1001 N.E. Lloyd Blvd. Portland 12, Oregon BE 4-3361	Power transmission to mining areas and metallurgical plants.
Bureau of Federal Supply (General Services Admin.)	U.S. Courthouse Portland 5, Oregon CA 6-3361	Purchasing agent for strategic and critical materials to be stockpiled.
Bureau of Land Management (Interior Department)	Land Office 809 N.E. 6th Avenue Portland 12, Oregon BE 4-3361, Ext. 293	Administers public-land laws. Maintains maps showing status of all Federal lands in State. Maintains file of mineral locations on O&C and Coos Bay Wagon Road Grant Lands. Handles applications for mineral patents and mineral surveys. Maintains records of land patents.

<u>Agency</u>	<u>FEDERAL (cont.) Address</u>	<u>Service and Information</u>
Bureau of Mines (Interior Department)	Metallurgical Division Northwest Electro- Development Laboratory Albany, Oregon	Provides factual data, statistical and technical information on metallurgical problems.
"	Publications Distribution Sec. 4800 Forbes Street Pittsburg 13, Pennsylvania	Distributes Bureau reports of in- vestigations, information circs., periodical reports on mineral resources.
Coast and Geodetic Survey (Commerce Dept.)	U.S. Courthouse Portland 5, Oregon CA 6-3361	Sells planimetric maps of Portland area and hydrographic charts of navigable streams and coastline.
Commerce Department	520 S.W. Morrison Street Pioneer Post Office Bldg. Portland 4, Oregon CA 6-3361	Have data on imports and exports; trade lists of off- shore buyers and sellers.
"	Bureau of Public Roads Morgan Building Portland 5, Oregon CA 6-3361 or	Constructs and supervises roads in public lands and national forests.
"	408 Highway Building Salem, Oregon EM 4-2171, Ext. 559	
Corps of Engineers, U.S. Army	Portland District Room 537 628 Pittock Block Portland 5, Oregon CA 7-7681	Information on power resources. Information relating to navigable streams, dam sites, and harbor improvements.
"	North Pacific Division 210 U.S. Custom House Portland 10, Oregon CA 7-7681	
Forest Service (Agriculture Department)	729 N.E. Oregon Street Portland 12, Oregon BE 4-8211, Ext. 516	U.S. Forest Service maps. Aerial photographs.
Geological Survey (Interior Department)	Denver Federal Center Denver, Colorado	Sells U.S. Geol. Survey topo- graphic and geologic maps of areas west of Mississippi River.
"	Director, U.S. Geol. Survey Washington 25, D.C.	Sells the Survey's circulars, geologic folios, topographic quadrangle maps, aerial photo- graphic control surveys.

FEDERAL (cont.)

<u>Agency</u>	<u>Address</u>	<u>Services and Information</u>
Geological Survey (cont.) (Interior Department)	Fuels Branch Menlo Park, California	Conducts surveys and publishes information on mineral fuels.
"	Ground-Water Branch 1001 N.E. Lloyd Blvd. Portland 12, Oregon BE 4-3361	Water-well records and other information on ground water.
"	Map Information Service Washington 25, D.C.	Information on maps, aerial photos, and control surveys.
"	Mining Branch Salt Lake City, Utah	Handles royalties and leases of certain mineral deposits on public lands.
"	Oil and Gas Leasing Branch Regional Oil and Gas Office 1012 Bartlett Bldg. 215 West 7th Street Los Angeles, California	Administers regulations concerned with oil and gas drilling on Federal land.
"	Quality of Water Branch P.O. Box 3418 1001 N.E. Lloyd Blvd. Portland 12, Oregon BE 4-3361	Information on quality of surface and subsurface waters.
"	Surface Water Branch 1001 N.E. Lloyd Blvd. Portland 12, Oregon BE 4-3361	Data on stream flow and runoff.
"	Topographic Division Box 4197 Sacramento 21, California	Information on status of topographic mapping in State.
"	Water and Power Branch P.O. Box 3418 1001 N.E. Lloyd Blvd. Portland 12, Oregon BE 4-3361	Classification and mapping of public lands for power sites and reservoirs. Maintains file of topographic maps of western United States.
Office of Minerals Exploration (Formerly Defense Minerals Exploration Administration)	S. 157 Howard Street Spokane, Washington	Government exploration loans on a participating basis for all minerals except mineral fuels.
Small Business Administration.	Mittleman Bldg. 811 S.W. Washington St. Portland 5, Oregon CA 6-3361	Loans for mining equipment and mine buildings.

FEDERAL (cont.)

<u>Agency</u>	<u>Address</u>	<u>Services and Information</u>
Soil Conservation Service (Agriculture Department)	209 S.W. 5th Avenue Portland 4, Oregon CA 6-3361	Information on soils and water, dam sites, and materials for constructing dams.
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, pro- fessional papers, bulletins, water-supply papers.
STATE OF OREGON		
Board of Health	Sanitation & Engineering Div. State Office Building 1400 S.W. 5th Avenue Portland 1, Oregon CA 6-2161	Bacteriological tests on drinking water. Analysis of gases and fumes; chemical analysis of water.
Corporation Commissioner	520 State Office Building Portland 1, Oregon CA 6-2161, Ext. 256 or 1158 Chemeketa Street N.E. Salem, Oregon EM 4-2171, Ext. 1283	Status of Oregon mining corporations.
Engineering Examiners Board	717 Board of Trade Bldg. Portland 4, Oregon CA 8-0053	Conducts examinations for registration of engineers and land surveyors. Maintains lists of registered engineers and land surveyors.
Forestry Board	2600 State Street East Salem, Oregon EM 4-6851, Ext. 231	Administers laws and grants leases on mineral deposits in State forests.
Geology and Mineral Industries	1069 State Office Bldg. 1400 S.W. 5th Avenue Portland 1, Oregon CA 6-2161, Ext. 488	Analysis and identification of rocks and minerals, clay testing, spectrographic analysis, informa- tion on mining and geology, examination of mineral deposits, makes field studies, publishes and sells reports and maps. Administers oil and gas conservation act.
"	Field Offices 2033 First Street Baker, Oregon	Information on geology and min- eral deposits; field inspections of mining properties; preparation of reports. Department reports for sale.
"	239 S.E. "H" Street Grants Pass, Oregon	

STATE OF OREGON (cont.)

<u>Agency</u>	<u>Address</u>	<u>Services and Information</u>
Highway Department	State Highway Building Salem, Oregon EM 4-2171, Ext. 771	Investigations of road construction materials.
"	Soils Section 2940 State Street East Salem, Oregon EM 4-6851	Investigate engineering properties of soils.
Industrial Accident Commission	Accident Prevention Div. Public Service Bldg. Salem, Oregon (mail only) 1176 Chemeketa Street Salem, Oregon	Enforce safety regulations in surface and underground mining and milling operations.
Land Board	106 State Capitol Salem, Oregon EM 4-2171, Ext. 255	Administers laws and grants leases on mineral deposits on State lands.
Oregon State College	Department of Geology and Department of Engineering Corvallis, Oregon	Engineering and geologic investigations. Soil studies.
Planning and Development Department	720 State Office Bldg. 1400 S.W. 5th Avenue Portland 1, Oregon CA 6-2161, Ext. 364	Compiles data on area resources. Contacts with industrial firms.
State Engineer	170 12th Street, S.E. Room 251 Salem, Oregon EM 4-2171, Ext. 281	Administers water rights; issues water-well permits; insures beneficial use of water.
University of Oregon	Department of Geology Eugene, Oregon	Geological investigations.
Water Resources Board	170 12th Street, S.E. Room 270 Salem, Oregon EM 4-2171, Ext. 1198	Prescribes preferences for future use of water. Inventories quality of surface and subsurface water.

COUNTY

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

MISCELLANEOUS

<u>Agency</u>	<u>Address</u>	<u>Services and Information</u>
Raw Materials Survey	Chamber of Commerce 824 S.W. Fifth Avenue Portland 4, Oregon CA 9-9411	Publishes information on natural resources and markets.

BUYERS OF INDUSTRIAL MINERALS IN OREGON

The following list of buyers of industrial minerals in Oregon is intended only as a guide to producers seeking a market for their product. Industrial minerals are normally used in large quantities and buyers must have a guaranteed source of supply that is consistent in quality over a long period of time. Although prices can be found in some trade journals regarding certain industrial minerals, generally a price for a product is determined only after negotiation between the buyer and the seller.

LaGrand Industrial Supply Co. 15 S.W. Arthur Street Portland 1, Oregon CA 7-3683	Lump iron ore, limestone, lime, silica sand, quartz	Stauffer Chemical Co. North Suttle Road Portland, Oregon AV 6-3675	Talc
Miller Products Co. Foot of S.W. Caruthers Street Portland 1, Oregon CA 8-7608	Talc, gypsum, dolomite, limestone, sulfur, bentonite, diatomite	Van Waters & Rogers, Inc. 3950 N.W. Yeon Avenue Portland 10, Oregon CA 2-1721	General industrial minerals
Pacific Supply Cooperative 1928 N.W. Vaughn Street Portland 10, Oregon CA 7-6621	Ground talc and limestone, lime, gypsum	Western Industrial Supply Co. 208 S.E. Hawthorne Blvd. Portland 14, Oregon BE 2-1511	Limestone, fireclay, bentonite, ganister

SMELTERS IN THE WEST

American Smelting and Refining Co. Tacoma Smelter P.O. Box 1605 Tacoma 1, Washington	Gold, silver, and copper ores and concentrates	International Smelting and Refining Co. Ore Purchasing Department P.O. Box 1265 Miami, Arizona	Copper, silver, and gold ores and concentrates
East Helena Plant East Helena, Montana	Lead ores and concentrates	Ore Purchasing Department 818 Kearns Bldg. Salt Lake City, Utah	Lead and zinc ores and concentrates
Selby Smelter 405 Montgomery Street San Francisco 4, California	Lead ores and concentrates	Kennecott Copper Company McGill, Nevada	Copper ore
Garfield Copper Smelter 700 Crandall Bldg. 10 West 1st South Street Salt Lake City, Utah	Copper ores and concentrates	Magma Copper Co. Superior Arizona	Copper, gold, and silver ores
Combined Metals Reduction Co. Felt Bldg. Salt Lake City, Utah	Lead and zinc ores and concentrates	The Anaconda Co. Anaconda, Montana	Copper ores and concentrates
		The Bunker Hill Co. Ore Purchasing Department P.O. Box 29, Kellogg, Idaho	Lead and zinc concentrates

PRIVATE RESEARCH FACILITIES OFFERING SERVICES TO THE MINERAL INDUSTRY

Northwest Testing Laboratories 4115 N. Mississippi Portland 17, Oregon	Materials testing chemical analysis ore assays	Abbot A. Hanks, Inc. 624 Sacramento Street San Francisco, California	Assayers and chemists shippers representatives
Pittsburgh Testing Laboratories 2419 S.E. Powell Blvd. Portland 2, Oregon	Materials testing chemical analysis	Black and Deason P.O. Box 1888 Salt Lake City, Utah	Assayers and chemists
Smith-Emery Company 781 East Washington Blvd. Los Angeles 21, California	Assayers and chemists spectrographic analyses	Charlton Laboratories 2340 S.W. Jefferson Street Portland 1, Oregon	Materials testing chemical analysis metallurgical
W. H. Stowell and Co. West 421 Sprague Avenue Spokane, Washington	Assayers and chemists	Laucks Testing Laboratories, Inc. 1008 Western Avenue Seattle, Washington	Chemical and fire analyses

SELECTED LIST OF GUIDEBOOKS AND DIRECTORIES

Engineering and Mining Journal - 1958 Mining Guidebook and buying directory, Mid-June 1958.

Mining World - Catalog, Survey and Directory Number, April 15, 1958.

Raw Materials Survey reports:

Smith, Barnard E., 1957, The 1956 raw material requirements of Pacific Northwest foundry and metallurgical industry: Market Survey 5.

Sterrett, Chester K., 1950, Consumption of refractories in Oregon and southern Washington, 1949: Market Survey 1.

" , 1955, Research facilities of the Pacific Northwest: Inf. Circ. 4, rev.

" , 1958, Principal chemical and metallurgical industries of the Pacific Northwest: Inf. Circ. 3, rev.

" , 1958, A directory of Pacific Northwest industrial minerals producers: Inf. Circ. 8.

NEW MARKET FOR QUICKSILVER

Van Waters and Rogers, Inc., have announced that they are buying and selling small lots of quicksilver, including fractional flasks. Small mercury producers wishing to dispose of their metal should either write to the company's Industrial Chemical Division, 3950 N.W. Yeon Avenue, Portland 10, or call CA 2-1721.

GEORGE NISBET

George Nisbet, one of the region's last old-time hand miners and prospectors, died in his cabin on the Clackamas River August 13. He was 80 years old. Nisbet discovered the quicksilver deposits which have been named for him in the headwaters of the Clackamas.

GOLD

The following statement was issued by the U.S. Treasury Department for general information. It does not have the effect of law, regulation, or ruling. The Gold Regulations were printed in the Federal Register, July 14, 1954. Copies of the regulations may be obtained from the U.S. Treasury Department, Washington, D. C.

"Gold in its natural state" is defined in the Gold Regulations as being gold recovered from natural sources, which has not been melted, smelted or refined, or otherwise treated by heating or by a chemical or electrical process. This gold may be purchased, held, sold, transported within the continental United States or imported without a Treasury Department license under the provisions of Section 54.19 of the regulations, regardless of the amount involved. This type of gold may also be held in custody for a resident of the United States without a license.

Gold in its natural state may be exported only under a special export license. The Bureau of the Mint grants such licenses solely for the purpose of enabling the owner to ship the gold abroad for refining or processing, subject to the condition that an equivalent amount of gold in refined or processed form is returned to the United States.

Gold in its natural state and gold amalgam may be melted, smelted or refined or otherwise treated by heating or by a chemical or electrical process only pursuant to a Treasury license (generally a TGL-13 license) or without a license within the limitations contained in Section 54.19 of the gold regulations.

Gold amalgam results from the addition of mercury to gold in its natural state. Gold amalgam produced from domestic sources may be dealt with in the same manner as gold in its natural state. The Mints and Assay Offices do not purchase gold in the form of amalgam.

In addition, gold amalgam may be heated to a temperature sufficient to separate the mercury from the gold (but not to the melting temperature of gold), without a license by the person, or his duly authorized agent or employee, who recovered the gold from natural deposits in the United States or a place subject to the jurisdiction thereof. The retort sponge resulting from the heating of the amalgam may be held and transported by the person who mined or panned the gold, without a license, except that he may not hold at any one time an amount of retort sponge produced by him which exceeds in fine gold content 200 troy ounces.

Retort sponge produced by a miner or panner may be sold to a United States Mint or Assay Office, to a person holding a Treasury Department gold license authorizing the purchase of such gold, or to unlicensed persons provided that such unlicensed persons do not hold, at any one time, more than 200 fine troy ounces of gold. Persons other than the miner or panner, who acquire retort sponge, may sell the gold only to the United States or to the holder of a Treasury license.

An unlicensed person may not retort gold purchased by him from miners or other persons, nor may he sell the retort sponge resulting therefrom.

Gold in melted or treated form may be sold or disposed of only by a person or concern operating under a Treasury gold license authorizing the disposition of gold in such form.

The Secretary of the Treasury, subject to the approval of the President, has authority to revoke or modify the Gold Regulations.

TURKISH CHROME SUBSIDIZED

Turkish chrome ore exports are being "subsidized" by the Turkish Government. A payment to exporters of chrome ore of 2.1 lira per dollar of export value began Aug. 4. Actually, according to some metal firms, the new system is an indirect devaluation. It means exports can be made for lower prices than otherwise and should have some effect in encouraging exports. The same system is applied to other exports but the rate of "subsidy" varies. Accompanying it is an import tax which will doubtless help Turkey in getting her payments into balance. Before recent exchange rate changes exporters were getting 2.8 lira per dollar. Now they receive 4.9 lira - the 2.8 lira basic price, which has not been reduced, plus a premium of 2.1 lira.

(From E&MJ Metal & Mineral Markets, August 21, 1958.)

MASON L. BINGHAM

Mason L. Bingham, Chairman of the Governing Board of the Department, died at his office in Portland September 4, 1958. Mr. Bingham, who had served as Chairman since April 1952, was first appointed to the Board by Governor Douglas McKay in April 1949 and continued his service through reappointments by governors Patterson, Smith, and Holmes. Under his guidance, the Department of Geology and Mineral Industries has made steady progress in developing Oregon's mineral industry. Mr. Bingham was instrumental in the adoption of the Oil and Gas Act by the State Legislature in 1953 and worked closely with the Department in its administration.

Although best known in the Portland area as Chairman of the Multnomah County Tax Supervising and Conservation Commission and as a member of the Multnomah County Board of Equalization, Mr. Bingham was also well known in southwestern Oregon as General Manager of the Benton mine, which had been acquired by his grandfather, J. C. Lewis, in 1894 and was Josephine County's largest mine just prior to World War II.

Mr. Bingham was an active champion of domestic mining and his influence was felt in many ways. At the time the government chrome program was set up in 1952, it was upon his suggestion that the local banks worked out a procedure for rapid payment of ore accepted by the stockpile, thus insuring working capital for the small miners. He wrote many "letters to the editor" on the need for developing a workable national minerals policy, the latest of which appeared in the local papers a few days before his death.

The press of the State has eulogized Mason Bingham on his service to his community, especially in the field of finance. The mining industry of Oregon adds its acknowledgment of his outstanding service, and the members of the Department of Geology and Mineral Industries are especially appreciative for his astute counsel in many policy decisions and grateful for the privilege of close association with him.

NEW LAWS

The 85th Congress will be remembered by the mining industry mainly for what it did not do. It did, however, pass some important pieces of legislation that will affect mining. A brief resumé of these laws, as abstracted by the American Mining Congress and published in their Legislative Bulletin No. 18, is given below:

H.R. 5538 - Military Withdrawals of Public Lands. Approved by the President February 28, 1958.
Public Law 85-337.

Provides that (1) withdrawals of public lands exceeding 5,000 acres for one Defense Department facility may be made only by Act of Congress, and (2) minerals in public lands withdrawn or reserved for military purposes may be disposed of only under the applicable mining and mineral leasing laws. No such disposal of minerals is to be made where the Secretary of Defense determines that such disposal would not be consistent with the military use of the lands.

S. 2039 - Assessment Work -- Geophysical Surveys. Approved by the President September 2, 1958.
Public Law 85-876.

Permits geological, geophysical and geochemical work to be considered "labor" as pertaining to the annual \$100-per-claim assessment labor requirement on unpatented mining claims. Such surveys must be conducted by qualified experts and "verified by a detailed report filed in the county office in which the claim is located which sets forth fully (a) the location of the work performed in relation to the point of discovery and the boundaries of the claim, (b) the nature, extent and cost thereof, (c) the basic findings therefrom, and (d) the name, address, and professional background of the person or persons conducting the work." Such surveys may not be credited for more than two consecutive years or for more than a total of five years on any one claim, and no survey may be repetitive of any previous survey on the same claim. Surveys are also limited to those made on the ground.

S. 2069 - Increase Maximum Acreage of Coal Leases. Approved by the President August 21, 1958.

Public Law 85-698.

Increases from 5,120 acres to 10,240 acres the amount of public coal lands in any one State which can be held by an individual or company. An additional 5,120 acres may be leased if the Secretary of the Interior finds that the additional land is needed by the lessee "in order to carry on business economically and is in the public interest."

S. 3199 - Change Annual Assessment-Work Deadline. Approved by the President August 23, 1958.

Public Law 85-736.

Changes the deadline for annual assessment work on unpatented mining claims from July 1 to September 1 of each year, beginning with the work-year ending in 1959. Deleted from the bill was a provision which would have granted a moratorium on assessment work for the year ending July 1, 1958.

S. 3817 - Establish Exploration Loan Program. Approved by the President August 21, 1958.

Public Law 85-701.

Establishes a domestic minerals exploration loan program. The Secretary of the Interior may designate minerals (excluding organic fuels) which he deems necessary for the national interest and provide loans on a participating basis to private companies for exploration for such minerals. Government participation is limited to \$250,000 for any one contract and the applicant is required to prove that funds for the exploration are not available from commercial sources on reasonable terms. Loans would be at the current Treasury interest rate plus two percent for administration, and repayment of any loan, with interest, is required through payment of royalties on minerals produced from the project. Congress appropriated \$4 million for the agency's use in the current fiscal year, with the proviso that loans may not exceed 50 percent of the cost of a project.

NEW BOARD MEMBER APPOINTED

Appointment of William Kennedy, Portland real estate appraiser and former manager of the Reconstruction Finance Corporation for Oregon for many years, to the board of the State Department of Geology and Mineral Industries was announced Sept. 17, by Governor Holmes.

Kennedy succeeds the late Mason L. Bingham, a longtime member of the board who had recently been reappointed to a new four-year term by Governor Holmes. With the naming of a successor, Governor Holmes voiced high praise for the long years of devoted service contributed by Bingham, "He held great responsibility for the efficient operation and service to the public by the Department," the Governor said.

The new board member, an active Multnomah County Democrat, has been in private business as an appraiser and bankruptcy cases trustee for the past six years. Prior to that he had served since 1937 as manager of the Reconstruction Finance Corporation activities in Oregon and was assistant manager for four years before that.

A former resident of Hermiston, he was active in the promotion and development of the West Umatilla irrigation system, and served as a member of the Hermiston city council and as president of the Commercial Club there. Kennedy was born at Cove in 1882 and was educated in the public schools and at Whitman College. He entered the real estate business at Hermiston in 1915, served three years as United States Revenue Agent in Portland, and was engaged in liquidation and property management activity from 1919 to 1933. He became assistant manager of RFC in 1933.

NOTE

Press dispatches that annual assessment work has been changed to \$500 worth of work on each claim are incorrect. The amount necessary to hold unpatented mining claims still remains \$100 per claim per assessment year. Only the time for completion of work has been changed. See Public Law 85-736.
