October 1955

STATE OF OREGON

Portland, 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

LIST OF ACTIVE MINES IN OREGON 1955

Interest in mining in Oregon is evidenced by the many requests the Department receives asking for names of active mining properties. The following is a revision of the list that appeared in the March 1953 Ore.-Bin. A list of clay plants is contained in GMI Short Paper No. 19 (20 cents), and sand gravel producers in a separate list (5 cents).

Ed.

METALS Chrome Concentrating Plants

Bristol-Baker F. I. Bristol Grants Pass, Ore. Bowers Mill	Curry County Sec. 36 T. 40 S., R. 11 W. Josephine County	Lucky Nine Mill Lucky Nine Chrome Corporation Riddle, Ore.	Douglas County Canyonville		
Dana W. Bowers	Sec. 3	Lyman and	Grant County		
Medford, Ore.	T. 35 S., R. 8 W.	Findlay Mill	John Day		
Comstock Uranium – Tungsten Co., Inc.	Grant County John Day	E. Lyman and Glenn Findlay, John Day,	Ore.		
J. J. Kinsella	•	McCaleb Mill	Curry County		
John Day, Ore.		R. E. McCaleb	Sec. 24		
Foster Mill	Josephine County	Selma, Ore.	T. 38 S., R. 10 W.		
Ernest Foster	Sec. 28	Newman Mill	Grant County		
Grants Pass, Ore.	T. 37 S., R. 8 W.	Art Newman	John Day		
Grants Pass Chrome	Josephine County	John Day, Ore.			
Mill	NW "F" Street	Sourdough Mill	Curry County		
Frank Tubandt	Grants Pass	Howard Beasley	Sec. 36		
Grants Pass, Ore.		O'Brien, Ore.	T. 40 S., R. 11 W.		
John Day Mining Co. John Day, Ore.	Grant County Sec. 26 T. 13 S., R. 31 E.	Triple L Mill Harry and Lester Shippen Myrtle Creek, Ore.	Douglas County Myrtle Creek		

Chrome Concentrating Plants (cont.)

Waldo Milling Co. Takilma, Ore.

Josephine County Sec. 23 T. 40 S., R. 8 W. Wonder Mill
Tulare Bros.
Gold Hill, Ore.

Sordy Mine

Tulare Bros.

Gold Hill, Ore.

Curry County Sec. 11 T. 30 S., R. 10 W.

Josephine County

T. 36 S., R. 9 W.

Sec. 14

Chrome Mines

Chetco Mining Co. **Curry County** Secs. 2, 3, 10 F. I. Bristol, et al Grants Pass, Ore. T. 39 S., R. 10 W. Chrome King Mine Josephine County Sec. 36 King and Hansen T. 37 S., R. 10 W. Mining Co. Selma, Ore. Deep Gorge Mine Josephine County Grisson and Inman Sec. 32 T. 37 S., R. 9 W. Selma, Ore. Gardner Chrome **Curry County** Fred Gardner Sec. 10 T. 39 S., R. 11 W. Harbor, Ore. Haggard and New Mine **Grant County** J. J. Kinsella Sec. 21 John Day, Ore. T. 14 S., R. 32 E. Langley Chrome Josephine County Fred Langley Sec. 35 Grants Pass, Ore. T. 36 S., R. 8 W. Lucky L. & R. Mine Josephine County R. W. Radcliffe Sec. 35 T. 35 S., R. 9 W. Merlin, Ore. Lucky Star Josephine County E. K. McTimmonds Sec. 21 T. 37 S., R. 9 W. Selma, Ore. Lucky Strike Chrome Josephine County Glen Young Sec. 18 Kerby, Ore. T. 39 S., R. 8 W. Mary Walker Claim Josephine County Louis A. Robertson Sec. 22 Galice, Ore. T. 36 S., R. 9 W.

McCaleb Chromite Curry County R. E. McCaleb Secs. 11, 12 Selma, Ore. T. 38 S., R. 10 W. Mockingbird Chrome Josephine County Olsen and Scoffield Sec. 28 T. 37 S., R. 9 W. Grants Pass, Ore. Mohawk Chrome Mine Josephine County Carl Stevens Sec. 29 T. 38 S., R. 9 W. Selma, Ore. Nigger Mine Josephine County Louis A. Robertson Sec. 24 Galice, Ore. T. 36 S., R. 9 W. Oregon Chrome Mine Josephine County W. S. Robertson Sec. 21 Grants Pass, Ore. T. 37 S., R. 9 W. Pearsoll Mine **Curry County Ernest Foster** Sec. 2 Grants Pass, Ore. T. 38 S., R. 10 W. Rainy Day Mine Douglas County Glenn Shippen Sec. 15 T. 30 S., R. 4 W. Canyonville, Ore. Saturday Anne Mine Josephine County Craig and Weishaar Sec. 9 T. 37 S., R. 9 W. Selma, Ore. Shade Mine Josephine County Roy Hills and Sec. 21 Pieren Bros. T. 37 S., R. 9 W. Grants Pass, Ore.

Chrome Mines (cont.)

Twin Cedars Josephine County Sourdough Mine Curry County Ben Baker, et al Sec. 36 R. E. McCaleb Sec. 6 T. 40 S., R. 11 W. Selma, Ore. T. 38 S., R. 9 W. Grants Pass, Ore. Sowell Chrome Josephine County Wonder Mine **Curry County** R. G. Sowell Sec. 30 Tulare Bros. Secs. 11, 14 T. 40 S., R. 8 W. T. 38 S., R. 10 W. Cave Junction, Ore. Gold Hill, Ore. Tennessee Pass Chrome Josephine County Murphy Young Sec. 12 T. 39 S., R. 9 W. Kerby, Ore.

Gold Lode Mines

Buffalo Mine **Grant County** Pyx Mine **Grant County** J. P. Jackson, Jr. Sec. 14 Greenhorn Mountain Sec. 2 Granite, Ore. T. 8 S., R. $35\frac{1}{2}$ E. Development Co. T. 10 S., R. 35 E. Baker, Ore. **Baker County** East Eagle Mine Jackson County Rawleigh Chadwell Sec. 17, 18 Rising Sun Mine Baker, Ore. T. 6 S., R. 44 E. Z. J. Collings Upper Applegate Jacksonville, Ore. Dist. Old Crow Mine **Baker County** Wm. J. Wendt Eagle Creek Dist. Round Top Mine Baker County Virtue Dist. Baker, Ore. Norman B. Gardner Wallace, Idaho

Gold Placers (Mostly seasonal operations)

CalOre. Placers Ed Carlson Galice, Ore.	Josephine County Secs. 2, 3 T. 35 S., R. 8 W.	Leipold Placer H. Brunswick Pieren Bros. Galice, Ore.	Josephine County Sec. 3 T. 35 S., R. 8 W.		
China Bar	Baker County				
John H. Wright Lime, Ore.	Lower Burnt River Dist.	Lewis Placer Bud Lewis Galice, Ore.	Josephine County Sec. 36 T. 34 S., R. 8 W.		
Connor Creek Mine Placers, Inc. Ontario, Ore.	Baker County Connor Creek Dist.	Pankey Placer Bert Pankey Merlin, Ore.	Josephine County Sec. 10 T. 35 S., R. 8 W.		
Golden Bar Placer R. L. Pancost Merlin, Ore.	L. Pancost Sec. 2		Jackson County Sec. 33 T. 38 S., R. 2 W.		
		Victory Placer Leo D. Baker Riddle, Ore.	Douglas County Riddle Dist.		

Mercury

Bonanza Mine Douglas County New Amity Mine Crook County Bonanza Oil and Ochoco Dist. Sec. 16 New Amity T. 25 S., R. 4 W. Mine Corp. Mining Co. Sutherlin, Ore. Prineville, Ore. Jefferson County Horseheaven Mine Towner Quicksilver Crook County Cordero Mining Co. Sec. 12 Mine Sec. 10 Ashwood, Ore. T. 10 S., R. 18 E. T. 17 S., R. 19 E. Frank Towner Post, Ore. Maury Mountain Mine Crook County F. D. and H. W. Secs. 10. 15 Winter Creek Mine Crook County Eickemeyer T. 17 S., R. 19 E. Winter Creek Mining Co. Ochoco Dist. Prineville, Ore. Prineville, Ore.

Miscellaneous Metals

Hanna Nickel Smelting Co. (Nickel) Riddle, Ore.	Douglas County Nickel Mountain T. 30 S. R. 6 W.	Standard Mine (Copper, cobalt) Ray Summers John Day, Ore.	Grant County Sec. 12 T. 12 S., R. 33 E.		
Mineral Sands Co. (Black sand) Bandon, Ore. Northwest Mining Co. (Tungsten) Eagle Point, Ore.	Coos County Sec. 21 T. 27 S., R. 14 W. Jackson County Sec. 14 T. 37 S., R. 4 W.	Thornburg Bros. (Uranium) White King and Lucky Lass mines Lakeview, Ore.	Lake County T. 37 S., Rs. 18, 19 E.		

Miscellaneous Processing Plants

Electro Metallurgical Co. (Carbide) Div. Union Carbide Co. Portland, Ore.	Multnomah County Plant in St. Johns	Orr Eng. & Chemical Co. (Limonite) James M. Orr Scappoose, Ore.	Columbia County. Plant in Scappose
National Metallurgical Corp. (Aluminum silicon; silicon)	Lane County Plant under con- struction at Springfield	Pacific Carbide and Alloys Co.(Carbide) N. Columbia Blvd. & Hurst, Portland, Ore.	Multnomah County Plant in North Portland
Springfield, Ore. Oregon Steel Mills (Steel)	Multnomah County	Reynolds Metals Co. (Aluminum) Portland, Ore.	Multnomah County Plant at Troutdale
5200 N.W. Front Portland, Ore.		Vermiculite-Northwest, Inc. (Vermiculite) 2303 N. Harding Portland, Ore.	Multnomah County

NONMETALLICS

Building Stone

Northwest Granite Co Haines, Ore.	Baker County Sec. 27 T. 7 S., R. 39 E.	Rocky Butte Quarry (Basalt) Joe Marsden Portland, Ore.	Multnomah County Quarry at Rocky Butte
Pacific Cut Stone Co. (Tuff) C/o Mutual Materials Seattle, Wash.	Jefferson County Sec. 9 T. 9 S., R. 15 E.	Tuff Stone Co. Sublimity, Ore.	Marion County Sec. 29 T. 8 S., R. 1 E.
Rainbow Rock Quarry (Tuff) D. A. Temple Brightwood, Ore.	Wasco County Sec. 11 T. 6 S., R. 11 E.		

Lightweight Aggregate Producers

Cascade Pumice Lloyd A. Williamson Bend, Oregon	Deschutes County Sec. 5 T. 18 S., R. 12 E. & Sec. 36 T. 16 S., R. 11 E.	Great Lakes Carbon Carp. (Diatomite) Dicalite Division Lower Bridge, Ore.	Deschutes County Sec. 16 T. 14, S., R. 12 E.		
Central Oregon Pumice Co. W. E. Miller Bend, Oregon	Deschutes County Sec. 7 T. 17 S., R. 12 E. & Sec. 7 T. 18 S., R. 12 E.	Harney Concrete Tile Co. (Pumice) Don Robbins Burns, Ore.	Harney County Sec. 3 T. 24 S., R. 30 E.		
Cinder Hill Quarry (Cinders) Leroy E. Grote Redmond, Oregon	Deschutes County Sec. 33 T. 14 S., R. 13 E.	Northwest Aggregates, Inc. (Expanded shale) Portland, Ore.	Washington County Sec. 24 T. 3 N., R. 5 W.		
Deschutes Concrete Products Co. (Pumice) Chester T. Lackey Redmond, Oregon	Deschutes County Sec. 30 T. 16 S., R. 12 E. & Sec. 33 T. 14 S., R. 13 E.	Red Rock Cinders (Cinders) Portland, Ore. Smithwick Concrete Products Co. (Expanded shale) Portland, Ore.	Deschutes County Sec. 29 T. 14 S., R. 13 E. Washington County. T. 3 N., R. 4 W.		

No. 10

Limestone

Dewitt's Polk County Lime Co. Dallas, Ore.	Polk County S.W. of Dallas	National Industrial Products Co. Durkee, Ore.	Baker County Sec. 10 T. 12 S., R. 43 E		
Greely Lime Co. (Quarry near Enterprise) Portland, Ore.	Wallowa County Sec. 19 T. 2 S., R. 44 E.	Oregon Portland Cement Co. (Quarries at Lime and Dallas; plant at	Baker and Polk counties Secs. 26,27,34,35 T. 13 S., R. 44 E.		
Ideal Cement Co. (Quarry at Marble Mt.) Gold Hill, Ore.	Josephine County Sec. 30 T. 37 S., R. 6 W	Oswego) Portland, Ore.	& Sec. 12 T. 8 S., R. 6 W.		

Miscellaneous Nonmetals

Alkali Lake Sodium	Lake County	Gas-Ice Corp.	Jackson County					
(Salines)	Alkali Lake	(Dry ice)	Sec. 7					
A. M. Matlock		Portland, Ore.	T. 39 S., R. 2 E.					
Eugene, Ore.								
		Gibbs Coal Mine	Coos County					
Bristol Silica Co.	Jackson County	Leonard Gibbs	Sec. 2					
(Crushed granite &	Sec. 30	Coquille, Ore.	T. 27 S., R. 14 W.					
quartz)	T. 36 S., R. 3 W	' .						
F. I. Bristol		Wilhoit Coal Mine	Clackamas County					
Rogue River, Ore.		T. G. Mandrones	Sec. 15					
		Portland, Ore.	T. 6 S., R. 2 E.					
		1	R S M					

MAP OF SOUTHWESTERN OREGON PUBLISHED

Preliminary Geologic Map of Southwestern Oregon by Francis G. Wells has just been issued by the U.S. Geological Survey in cooperation with the State of Oregon Department of Geology and Mineral Industries. The map is one of the Geological Survey's Mineral Investigations Field Studies and is designated as MF 38. The scale of the map is 1:250,000 (1 incheabout 4 miles). The geology is indicated in patterns of black and white. No text accompanies this map, but a legend describes the formations, and an index map shows sources of data from which the map was compiled.

The area covered by this map is in the shape of a rectangle, running from the western edge of Klamath Lake to the Pacific Coast, and from the California boundary north through Township 30 South. It includes all of Curry, Josephine, and Jackson counties and a part of Klamath, Douglas, and Coos counties. Map MF 38 may be obtained from the U.S. Geological Survey, Federal Center, Denver, Colorado, for 50 cents.

1955

ATOMIC ENERGY COMMISSION EXPLAINS ORE-BUYING PROGRAM FOR OREGON

September 19, 1955

Mr. Hollis M. Dole, Director Department of Geology and Mineral Industries 1069 State Office Building Portland 1, Oregon

Dear Mr. Dole:

This is in response to your letter of September 6, 1955, requesting something definite regarding the Atomic Energy Commission's policy in buying uranium ore that might be found in Oregon, general requirements for a uranium processing plant, and how purchases are made by the Commission from deposits some distance from uranium mills.

When the prospectors began to discover uranium ore away from the Colorado Plateau, they were faced with a high-cost transportation problem in addition to the normal high costs of exploration and development of a new property. The Commission, being sympathetic to this problem, gradually established the off-plateau procurement program by administrative decision. The off-plateau procurement program is not considered in the same category as the procurement of uranium ores from established uranium-producing areas. It is an exploration tool designed to aid uranium mine operators in new uranium provinces for the purpose of stimulating the exploration and development of the uranium area by private industry to the point where the developed ore reserves will support an ore-buying station and eventually a processing mill.

The big stumbling block to most mine operators who start mining operations in a new district is the high cost of transporting the ore from mine to buying station. If it appears that the mine operator cannot initially operate at a profit because of the high haulage costs, the Commission may, in effect, establish a temporary buying point at a nearby railroad siding.

The Commission is vitally concerned that the ore shipped from the new mine is of commercial grade and can be treated economically in a processing plant. Therefore, the commission will only reimburse the rail freight on each carload lot of ore that assays 0.20% U3O8 or better. However, where the ore assays 0.10% up to 0.20% U3O8, the Commission will accept and pay for the ore with no reimbursement for rail freight. The former provision is also of great importance because it encourages the miner to be extremely careful to ship only clean ore with a minimum of waste rock.

We wish to emphasize clearly that the Commission will buy ore under the off-plateau program only when it is produced from mine development. The objective is to assist the operator develop his ore body to a stage that will permit profitable operation under the existing guaranteed price schedules. The Commission does not intend to continue the program indefinitely for the benefit of any one mine owner.

To properly administer the off-plateau procurement program, the Mining Division of the Grand Junction Operations Office works closely with the Commission's Exploration Branches. Before an off-plateau contract is offered to any mine operator, a geologic evaluation report of

No. 10

the mine and area is obtained from the Exploration Branch Offices. These offices employ geologists to assist prospectors and to make geologic examinations and to report on all potential uranium-producing areas. If the examination reveals that an area is a potential uranium producer and, if the geologist recommends the applicant's property, the Mining Division will work out a contract to fit the needs of the applicant.

Therefore, it would be in order for a prospector or property owner in Oregon who thinks he has a uranium mine to first contact the nearest Atomic Energy Commission Exploration Branch Office and request that they assign a geologist to examine the property. The geologist, being familiar with the off-plateau program, can advise the prospector the necessary steps to take to apply for a contract with the Mining Division, Grand Junction Operations Office, Grand Junction, Colorado. Oregon is in the district assigned to E. E. Thurlow, Chief, Salt Lake Exploration Branch, 222 SW Temple Street, Salt Lake City, Utah. He has sub-offices at several locations within his district.

In regard to the requirements for a uranium processing plant, the basic requirement is the existence of a known ore reserve adequate to supply ore to a proposed plant for a period of several years. Experience to date indicates that the minimum capacity for an economical plant is approximately 200 tons per day, which would require that approximately 400,000 tons of ore be available for any proposed processing facility during a normal contractual period of five years. Also, construction of a uranium processing plant is predicated on the development of a satisfactory metallurgical process to recover uranium from any known ore reserves.

Uranium processing facilities are constructed by private industry on the basis of negotiated contracts covering the sale of uranium concentrates to the Commission. Contracts are entered into on the basis of proposals submitted by qualified private companies and a mill location is selected by the private contractor who will build and own the plant. The contractor finances the construction and operation of the plant and usually controls a major portion of the ore supply that will be treated.

These are the general requirements which the Commission considers in the purchase of high cost ore and the establishment of ore buying stations and processing mills, and you are at liberty to use this material in an issue of the ORE. - BIN.

Very truly yours,

/S/ Elton A. Youngberg
Director Mining Division

CONDON LECTURE PUBLISHED

"The Life in the Sea," by Ralph Buchsbaum, has just been published by the Oregon State System of Higher Education. Dr. Buchsbaum delivered this paper as the 1954 Condon Lecture under the title of "Animals without Backbones." In "The Life in the Sea" he has presented the material in the same entertaining and informative way as in the lecture. The paper-covered booklet of 101 pages is abundantly illustrated. It sells for \$1.50 and may be obtained from the University of Oregon Press, Eugene, Oregon.

1955

RECEIPTS FROM OIL LEASING INCREASE

The State of Oregon has just received \$65,001.52 from the U.S. Department of the Interior as its share of the more than \$173,000 paid to the U.S. Government during the first half of 1955 by companies for permits to investigate for oil, gas, and coal on federal lands in Oregon. During the last six months of 1954, Oregon received \$16,478.00 as its part of the federal lease and permit fees. During the first half of 1954 it received \$26,458.72. State receipts from the Department of the Interior for grazing lands, timber sales (exclusive of O&C timber sales paid to counties), and others for fiscal 1955 (July 1, 1954 – June 30, 1955) were \$56,674.17 and for fiscal 1954 (July 1, 1953 – June 30, 1954) \$47, 231.47, according to the U.S. Bureau of Land Management regional office in Portland.

The \$65,000 payment represents $37\frac{1}{2}$ percent of total receipts paid the government for mineral leases and permits in Oregon. Of the remainder of the funds, $52\frac{1}{2}$ percent of the total goes into the Federal Reclamation Fund and 10 percent into the U.S. Treasury.

If this money received for leasing is an indication of the growing interest in oil and gas exploration in Oregon, then the twelve permits to drill issued so far this year are just a good beginning to the exploration that will be done in the future. If exploration activities are not increased but are maintained at their present level, Oregon can still count the activities of the oil companies as good contributors to its economy, for the permit fees are only a fraction of the companies' total expenditures in the State.

Ed.

NEW PERMIT GRANTED

Permit No. 17 was granted October 24 to Miriam Oil Company, J. P. Thornhill, Secretary-Treasurer, McMinnville, Oregon. The permit is for a test drilling in the SW\(\frac{1}{4}\) sec. 9, T. 8 S., R. 5 W., Polk County. The lessors are Myrtle C., Kenneth W., and Evelyn C. Elliott, Dallas, Oregon.

OREGON ASTRONOMER DIES

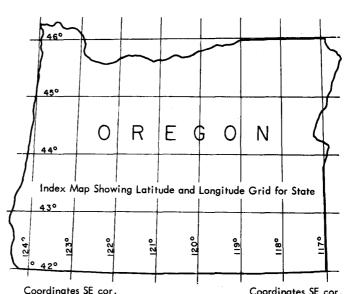
James Hugh Pruett, well-known astronomer, died at his home in Eugene Sunday, September 25. He was 69 years old. Mr. Pruett was for many years astronomer with the General Extension Division of the State System of Higher Education. He was a member of a number of astronomical societies and Pacific Director of the American Meteor Society.

Mr. Pruett was a prolific writer. His syndicated column on astronomy was published weekly in newspapers. Many of his articles appeared in astronomical journals; at least 24 were published in the News Letter of the Geological Society of the Oregon Country. The April 1952 issue of the Ore.—Bin devoted to the subject of meteorites, reprinted Mr. Pruett's report on the Willamette Meteorite. Mr. Pruett's special interests in the field of astronomy were meteors and meteorites, and he contributed much to the knowledge of these phenomena.

OREGON TOPOGRAPHIC MAPS IN PROGRESS

A total of 119 quadrangles are currently being mapped in Oregon by the Topographic Branch of the U.S. Geological Survey. The quadrangles listed below are not yet published in final form but are blueline prints in various stages of completion. Some show only topography, while others show all of the information that will appear on the final map. These maps may be obtained from the U.S. Geological Survey at Box 197 (T&C), Sacramento, California, at a charge of 50 cents per sheet. Most of the map areas embrace 15 minutes of latitude and longitude and cover approximately 220 square miles, but a few quadrangles cover only $7\frac{1}{2} \ \text{minutes}$ and have twice the scale of the 15-minute maps.

Published topographic quadrangles for Oregon may be obtained from the U.S. Geological Survey, Denver Federal Center, Denver, Colorado, at a cost of 20 cents each. The maps may also be obtained locally from some of the stationery and blueprint firms at a slightly higher cost.



		c 1.	. CF			C	ates SE cor.	i i	. !	ا. ا	
			tes SE cor.	O	C			0 1 1			tes SE cor.
Quadrangle	Series	Latitude	Longitude	Quadrangle	Series	Latitude	Longitude	Quadrangle	Series	Latitude	Longitude
A	15'	42 30	124 00	He Devil	15'	45 15	116 30	Port Orford 1	15'	42 45	124 00
Agness	15'	43 30	124 00	Hillsboro	7 ² 1	45 30	122 52½	Port Orford 3	15'	42 30	
Anlauf			. 1	Hillsboro N.W.	72 7½'	45 37½	$122 \ 52\frac{1}{2}$		15'		
Barlow	7½'	45 07½	$122 \ 37\frac{1}{2}$	Imnaha	15'	45 37 ₂	116 45	Prospect 3	15'	42 30	122 15
Bone Mt.	15'	42 45	123 45	-	15'	43 15		Prospect 4		42 30	122 00
Brush Prairie	71/21	45 37½	122 30	Ivers Peak	_			Quartz Mtn.2	15'	43 15	122 45
Butte Falls	15'	42 30	122 30	Jasper	15'	43 45	122 45	Quartz Mtn.3	15'	43 00	122 45
Camas Valley	15'	43 00	123 30	Joseph	15'	45 15	117 00	Quartz Mtn.4	15'	43 00	122 30
Canby	$7\frac{1}{2}$	45 15	122 37½	Kalama	$7\frac{1}{2}$ '	46 00	122 45	Reedville	7½'	45 22½	122 52½
Cape Blanco	15'	42 45	124 30	Karnan Point	15'	45 30	116 30	Redlands	7½'	45 15	122 22½
Cape Ferrelo	15'	42 00	124 15	Keasey	15'	45 45	123 15	Richmond	15'	44 30	119 45
Cathlamet	15'	46 00	123 15	Kerby 2	15'	42 15	123 45	Riddle 1	15'	42 45	123 00
Collier Butte	15'	42 15	124 00	Kerby 3	15'	42 00	123 45	Riddle 2	15'	42 45	123 15
Colton	7 1	45 $07\frac{1}{2}$	$122 \ 22\frac{1}{2}$	Kerby 4	15'	42 00	123 30	Riddle 3	15'	42 30	123 15
Corbett	7년 '	45 30	122 15	Lake Creek	15'	42 15	122 30	Riddle 4	15'	42 30	123 00
Cornucopia	15'	45 00	117 00	Langlois	15'	42 45	124 15	Roseburg 1	15'	43 15	123 00
Crescent City	15'	41 45	124 00	Linnton	7날'	45 30	122 45	Roseburg 2	15'	43 15	123 15
Damascus	7 <u>1</u> '	$45 \ 22\frac{1}{2}$	122 22½	Lowell	15'	43 45	122 30	Saddle Mtn.	15'	45 45	123 30
Deer Island	7 1	45 $52\frac{1}{2}$	122 45	Marial	15'	42 30	123 45	Sandy	7 ½ '	45 $22\frac{1}{2}$	122 15
Dixonville	15'	43 00	123 15	Medford	15'	42 15	122 45	Sauvie Island	7½'	45 37½	122 45
Drain	15'	43 30	123 15	Medford 3	15'	42 00	122 45	Scottsburg	15	43 30	123 45
Eagle Cap	15'	45 00	117 15	Medford 4	15'	42 00	122 30	Scotts Mills	7 <u>1</u> '	45 00	$122 \ 37\frac{1}{2}$
Elkton	151	43 30	123 30	Mt. Emily	15'	42 00	124 00	Selma	15	42 15	123 30
Enright	15'	45 30	123 30	Mt. McLoughlin 1	15'	42 15	122 00	Sheridan	7 <u>}</u> '	45 00	123 22½
Enterprise	15'	45 15	117 15	Mt. McLoughlin 2	15'	42 15	122 15	Sherwood	7 <u>-</u> 1¹	45 15	122 45
Estacada	7½'	45 15	122 15	Mt. McLoughlin 3	15'	42 00	122 15	Sitkum	15"	43 00	123 45
Estacada 1	15	45 15	122 00	Mt. McLoughlin 4	15'	42 00	122 00	Skamokawa	15'	46 15	123 15
Estacada 3	15'	45 00	122 15	Mulino	7 ³ ′	45 071	122 30	Spirit Mtn.	15'	45 00	123 30
Fairdale	15'	45 15	123 15	Nehalem	15 -	45 30	123 45	Spray	15'	44 45	119 45
Fairview	7 ¹ / ₂	45 30	122 22½	Nestucca Bay	15'	45 00	123 45	St. Helens	7 1 '	45 45	122 45
Fairview Peak	15 -	43 30	122 30	Newberg	7½'	45 15	122 52 1	St. Helens	15	45 45	122 45
Fruita 2	15'	45 15	116 45	Olds Ferry	15	44 15	117 00	Svensen	15'	46 00	123 30
Fruita 3	15'	45 00	116 45	Oregon City	7½'	45 15	122 30	Tillamook	15'	45 15	123 45
Gales Creek	15'	45 30	123 00	Pine 1	15	44 45	117 00	Timber	15'	45 30	123 15
Ginger Peak	15'	45 15	123 30	Pine 2	15'	44 45	117 15	Tyee	15'	43 15	123 30
Gold Beach	15'	42 15	124 15	Pine 3	15'	44 30	117 15	Vancouver	7분	45 37 ¹ / ₂	123 30 122 37½
Grants Pass 1	15'	42 15	123 00	Pine 4	15'	44 30	117 00	Vernonia	15'	45 45	123 00
Grants Pass 2	15'	42 15	123 15	Portland NE	7½'	45 30	122 30	Wild Horse	15'	44 45	116 45
Grants Pass 3	15'	42 00	123 15	Portland NW	7½'	45 30	122 371	Wildwood	15'	43 30	122 45
Grants Pass 4	15'	42 00	123 13	Portland SE	$7\frac{1}{2}$	45 22½	122 30	Wilhoit	ر ا 13	45 00	
	15'	42 00	123 00	Portland SW	72 71/2	45 22½	122 30 122 37½	***************************************	12	4 3 00	122 30
Harding Butte	13	40 10	122 30	i oi i iunu 3W	12	7J 227	144 3/2				