

State of Washington
Arthur B. Langlie, Governor
Department of Conservation and Development
W. A. Galbraith, Director

DIVISION OF MINES AND GEOLOGY
Sheldon L. Glover, Supervisor

Information Circular No. 24

DIRECTORY OF WASHINGTON MINING OPERATIONS
1955

By
Marshall T. Huntting

Olympia, Washington
January 1, 1955

FOREWORD

The current Directory, like those published in the preceding years, is designed to provide information on all companies, agencies, or individuals who are producing minerals or mineral aggregates in Washington. The names of the concerns and of the mines or other properties are listed, together with addresses, locations, and the minerals produced. In most instances the concerns listed are currently operating; some, however, are in a development stage but expect to produce in the near future. The data used are from the files of the Division of Mines and Geology and have been obtained principally through personal contacts with the operators at their mines, quarries, or places of business.

Sand, gravel, and common crushed-rock operations include all the more prominent producers—particularly those operating commercial pits and quarries, as distinct from state and railroad quarries. As the emphasis is on operations of some permanence, the many pits of the Washington Department of Highways are not listed individually because of the temporary or intermittent nature of their production. The rock referred to is mostly used for road-building purposes, but some is used for riprap and breakwaters. As such it is distinguished from dimension, architectural, and landscape stone, which are produced by concerns listed under the general heading of nonmetallic operations.

Every effort has been made to insure the completeness and accuracy of the data included in this Directory. However, as changes in status due to reorganization, removals, and altered mining conditions are continually taking place, it will be appreciated if additions and corrections are brought to the attention of the Division.

Sheldon L. Glover, Supervisor
Division of Mines and Geology
Olympia, Washington

CONTENTS

	<u>Page</u>
Foreword	
Introduction: Arrangement and use of the directory	1
Statistics of Washington mineral production	5
Metallic mining operations	6
Nonmetallic mining operations	17
Sand and gravel operations	36
Property index	56
Metallic product index	61
Nonmetallic product index	63
County index	66
Some recent publications of the Division of Mines and Geology	

ILLUSTRATIONS

Index map of currently active metallic properties	2
Index map of currently active nonmetallic properties	4

DIRECTORY OF WASHINGTON MINING OPERATIONS, 1955

By
Marshall T. Huntting

INTRODUCTION

ARRANGEMENT AND USE OF THE DIRECTORY

The active mining operations of the state are arranged in three categories: those producing or currently preparing to produce METALLIC minerals; those producing NONMETALLIC minerals exclusive of sand, gravel, riprap and crushed rock; and those producing SAND AND GRAVEL, riprap, and crushed rock. In the text of the directory the operations are listed alphabetically by organization under each of the three categories. Each entry, in addition to the organization name, includes the names of officers or other individuals familiar with the operation, a mailing address, the current status of activity, the product or products in order of importance, and the location of the producing property by legal land description.

Following the alphabetical listings appear three sets of indexes. The first, the PROPERTY INDEX, requires that only the appropriate mine, prospect, claim, pit, or quarry name be known in order that one may ascertain full information about the property from the alphabetical section. The second, the PRODUCT INDEX, requires that only the product or products from a property in any of the categories be known in order to obtain full information. The third index, the COUNTY INDEX, lists all the active operations of each category that are located in each county. This index also includes the product or products of each operation. Thus by knowing only the location of a property, one may obtain full information.

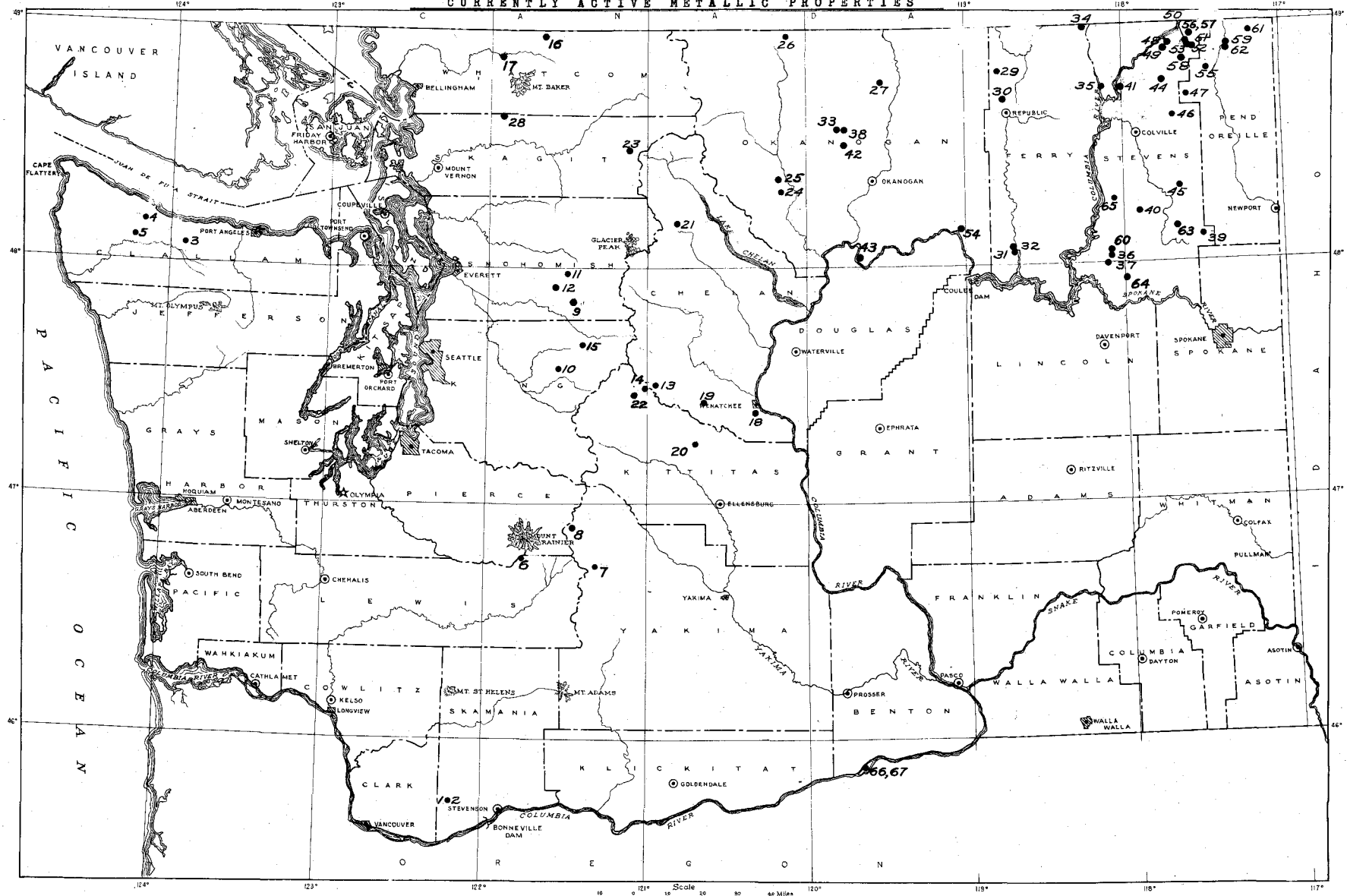
The abbreviations used throughout the directory include:

Ag - silver	Cu - copper	Mn - manganese	Sb - antimony
Au - gold	Fe - iron	Mo - molybdenum	U - uranium
Cr - chromium	Hg - mercury	Pb - lead	W - tungsten
			Zn - zinc

Underscoring indicates the metal of principal economic importance.

Locations by legal land descriptions are abbreviated; for example, NE $\frac{1}{4}$ sec. 15, (29-37E), which written in full would be northeast quarter of section 15, township 29 north, range 37 east Willamette meridian.

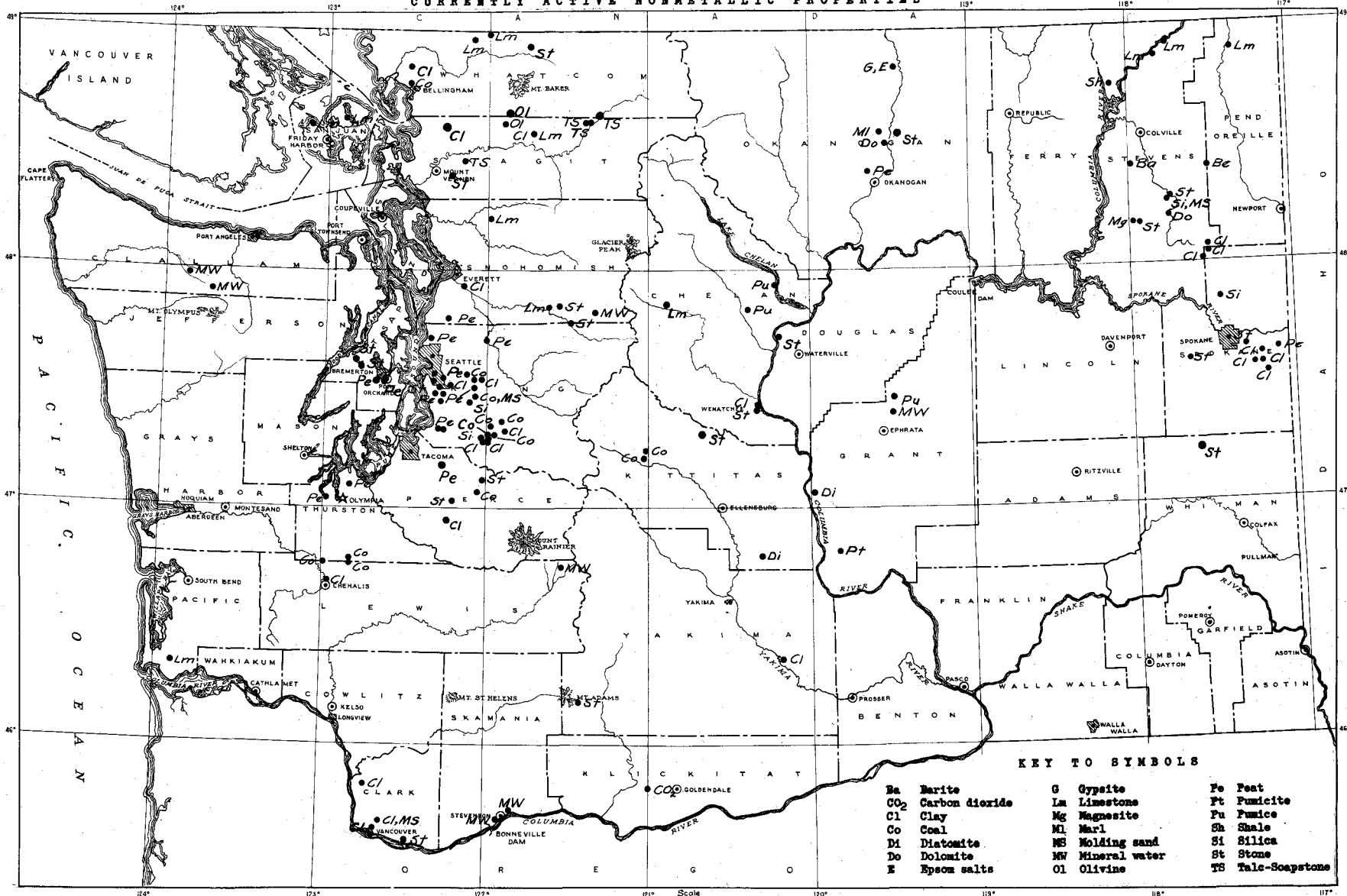
CURRENTLY ACTIVE METALLIC PROPERTIES



KEY TO ACTIVE METALLIC PROPERTIES

- | | | | |
|-------------------------------|---------------------------------|--------------------------|------------------------|
| 1. Skamania | 18. Gold King | 35. Napoleon | 52. Electric Point |
| 2. Copper Canyon Mines | 19. Gold Bond and Gold Mountain | 36. Germania | 53. Lead King |
| 3. Crescent | 20. Nugget | 37. Keeth | 54. Little Chief |
| 4. Bear Creek | 21. Holden | 38. Mohawk | 55. Jim Creek |
| 5. Beaver Falls (State Lease) | 22. Lucky Strike | 39. Little King Tungsten | 56. Admiral |
| 6. Eagle Peak Copper | 23. Johnsburg | 40. Edna | 57. Lead Trust |
| 7. Indian Creek | 24. Alder | 41. Bonanza | 58. Maki, Dosser, Lotz |
| 8. Chinook | 25. Spokane | 42. Peacock | 59. Pend Oreille |
| 9. Sunset | 26. Boundary | 43. Shotwell | 60. Deer Trail |
| 10. Western States Copper | 27. Silver Mountain | 44. Van Stone | 61. La Sota |
| 11. Iowa | 28. Twin Sisters | 45. United Copper | 62. Grandview |
| 12. Kromona | 29. Kelly Camp | 46. Longshot | 63. Bluebird |
| 13. Pickwick | 30. Knob Hill | 47. Rocky Creek | 64. Midnight |
| 14. Big Dome | 31. Consolidated Mines | 48. Scandia | 65. Washington Metals |
| 15. Three "S" Gulch | 32. Ophir | 49. Deep Creek | 66. Blake, Fred |
| 16. Boundary Red Mountain | 33. Gubser | 50. Hartbauer | 67. Blalock Island |
| 17. Glacier | 34. Talisman | 51. Gladstone | |

CURRENTLY ACTIVE NONMETALLIC PROPERTIES



KEY TO SYMBOLS

Ba	Barite	G	Gypsum	Fe	Feat
CO ₂	Carbon dioxide	La	Limestone	Pt	Pumicite
Cl	Clay	Mg	Magnesite	Pu	Pumice
Co	Coal	Mn	Marl	Sh	Shale
Di	Diatomite	MS	Molding sand	Si	Silica
Do	Dolomite	MW	Mineral water	St	Stone
E	Epsom salts	Ol	Olivine	TS	Talc-Soapstone

Scale 0 10 20 30 40 Miles

WASHINGTON MINERAL PRODUCTION (a)

5

Product	1952		1953	
	Quantity	Value	Quantity	Value
Abrasive stone:				
Pebbles (grinding)-short tons	20	\$240	25	\$300
Pulpstones ----- do -	12	908	-----	-----
Antimony ore ----- do -	100	(b)	-----	-----
Clays (except for cement)				
----- do -	225,277	286,719	198,233	250,953
Coal ----- do -	844,197	5,986,129	(c) 684,559	(c) 4,928,000
Copper ----- do -	4,357	2,108,788	3,740	2,146,760
Gold ----- fine ounces	54,776	1,917,160	62,560	2,189,600
Gypsite (crude) ---- short tons	7,900	29,625	3,800	14,250
Lead ----- do -	11,744	3,781,568	11,064	2,898,768
Manganese ore (+ 35% Mn) - do -	436	(b)	(b)	(b)
Manganiferous ore (5 to 35% Mn)				
(d) ----- short tons	142	(b)	-----	-----
Peat ----- do -	42,580	111,386	32,107	104,274
Pumice and pumicite ----- do -	3,604	8,089	(b)	(b)
Sand and gravel ----- do -	13,322,279	9,422,117	11,182,835	9,317,793
Silver ----- fine ounces	315,645	285,675	321,202	290,704
Stone (except limestone for cement and lime) - short tons	4,523,234	5,491,525	4,438,259	5,890,849
Tungsten concentrates (60% WO ₃ basis) ----- short tons	4	14,008	5	19,348
Zinc ----- do -	20,102	6,673,864	32,786	7,540,780
Undistributed (e) -----	-----	20,011,746	-----	18,857,811
Total value	-----	\$56,129,557	-----	\$54,450,190

(a) These figures are furnished by the United States Bureau of Mines in cooperation with the Washington State Division of Mines and Geology.

(b) Value included with "Undistributed."

(c) Preliminary figure.

(d) Production of manganiferous ore mined and shipped to Government stockpiling depots not included in State totals until removed from stockpile for commercial use.

(e) Barite (1953), carbon dioxide, cement, diatomite, epsom salts made from epsomite (1953), gem stones, lime, magnesite, olivine, quartz, ground sand and sandstone, strontium, talc, and minerals whose value must be concealed for particular years (indicated in appropriate column by footnote reference b).

Metallic minerals accounted for a total value of \$15,105,960, or approximately 27.7 percent of the state's total production in 1953; industrial minerals accounted for the remaining \$39,344,230, or 72.3 percent. Comparable figures for 1951 were \$14,103,000, or 25.9 percent, and \$40,449,000, or 74.1 percent. In 1951 Washington was 31st in rank with 0.40 percent of the total United States mineral output, Idaho was 27th in rank with 0.61 percent, and Oregon was 37th in rank with 0.21 percent.

 METALLIC MINING OPERATIONS

Abbreviations used:

Ag - silver	Cu - copper	Mn - manganese	Sb - antimony
Au - gold	Fe - iron	Mo - molybdenum	U - uranium
Cr - chromium	Hg - mercury	Pb - lead	W - tungsten
			Zn - zinc

Underscoring indicates metal of principal economic importance.

Locations by legal land descriptions are abbreviated; for example, NE $\frac{1}{4}$ sec. 15, (29-37E), which written in full would be northeast quarter of section 15, township 29 north, range 37 east Willamette meridian.

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
ADDY DEVELOPMENT CO. Paul H. Floyd and Frank Birch Spokane, Wash. Current development at Washington Metals mine.	W	STEVENS COUNTY W. of Addy S. center sec. 19, (32-38E)
ADMIRAL MINE A. C. Neiman, operator Aladdin Star Route Colville, Wash. 70-ton flotation mill. Current production.	<u>Zn</u> , Pb	STEVENS COUNTY Northport district Sec. 36, (40-41E)
ALDER GOLD-COPPER CO. Roy K. Magney, Secy. P. O. Box 1140 Spokane, Wash. Harvey F. Stone, Mine Mgr. Twisp, Wash. 300-ton flotation mill. Current development at Alder mine.	<u>Cu</u> , <u>Zn</u> , Au, Ag	OKANOGAN COUNTY Twisp district Sec. 36, (33-21E)
ALEXANDER MINING CO. Alexander J. Akishin 1230 E. 89th Seattle 5, Wash. Current development at Three "S" Gulch property.	<u>Zn</u> , Pb	KING COUNTY Miller River district NW $\frac{1}{4}$ sec. 16, (25-11E)

METALLIC MINING OPERATIONS

7

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
ALPINE URANIUM CORP. A. W. Cannon, Pres. 512 Zions Bldg. Salt Lake City, Utah James W. Lower, Mgr. for Wash. Fruitland, Wash. 125-ton flotation mill. Current development at Togo, Turk, and Deer Trail mines.	<u>Cu</u> , Ag	STEVENS COUNTY Deer Trail district Sec. 1, N $\frac{1}{2}$ sec. 12, (29-37E), N $\frac{1}{2}$ sec. 6, (29-38E)
AMERICAN SMELTING & REFINING CO. Northwestern Mining Dept. Wallace, Idaho P. A. Lewis, Supt. Box 69, Colville, Wash. 1,000-ton flotation mill. Current production at Van Stone mine.	<u>Zn</u> , Pb	STEVENS COUNTY Northport district Sec. 33, (38-40E)
AMERICAN ZINC, LEAD & SMELTING CO. Paul Brown Bldg. St. Louis, Mo. D. I. Hayes, Western Mgr. 927 Old National Bank Bldg. Spokane 1, Wash. John W. Currie, Gen. Supt. Metaline Falls, Wash. 750-ton flotation mill. Current production at Grandview mine.	<u>Zn</u> , <u>Pb</u> , Ag	PEND OREILLE COUNTY Metaline district Secs. 14, 15, 22, 30, (39-43E)
BEAR CREEK MINES E. R. Gehrke, Jr. Victor Oberg Hugh Govan Box 308 Port Angeles, Wash. Current development.	Mn	CLALLAM COUNTY Beaver Creek area Sec. 24, (30-12W)
BEAVER FALLS (STATE LEASE) John C. Krueger Star Route 1, Box 32 Port Angeles, Wash. Current production.	Mn	CLALLAM COUNTY Beaver Creek area Sec. 16, (30-12W)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
BIG DOME MINING CO., INC. Oscar Johnson, Pres. St. Charles Hotel 401 12th Ave. N. Seattle, Wash. Current development.	Cu	KITITAS COUNTY Fortune Creek area Sec. 13, (23-14E) Sec. 17, (23-15E)
BLAKE, FRED 715 Cherry Lane Dr. Grandview, Wash. Current development.	Placer Au	BENTON COUNTY Blalock Island
BLALOCK ISLAND MINING CO. Robert C. Tyler Rt. 3, Box 343 Sedro Woolley, Wash. Current development.	Placer Au	BENTON COUNTY Blalock Island
BLUEBIRD MINE Ernest Laukka Emery L. Tilton, lessee Box 633 Chewelah, Wash. Current development.	Cu, Au, Ag	STEVENS COUNTY N $\frac{1}{2}$ sec. 33, N $\frac{1}{2}$ sec. 34, (31-41E)
BONANZA LEAD E. B. Gibbs Box 111, Colville, Wash. Limited production at Bonanza mine.	Pb, Ag	STEVENS COUNTY Clugston Creek district Secs. 2, 11, (37-38E)
BORDER LORD MINING CO. Ralph B. Lane, Pres. Stanley E. Sorenson, V.P.-Gen. Mgr. Tonasket, Wash. Current development at Boundary mine.	W	OKANOGAN COUNTY Wolframite Mountain Secs. 7, 18, (40-22E)
CARR BROTHERS C. R. Carr and J. M. Carr Route 1, Valley, Wash. Current development at Edna mine.	Ag, Cu	STEVENS COUNTY Valley district SE $\frac{1}{4}$ sec. 9, (31-39E)
CHEWELAH COPPER CO. John Peterson, Pres. Colville, Wash. 200-ton flotation mill at Palmer Siding. Current development at United Copper and Amazon mines.	Cu, Ag	STEVENS COUNTY Chewelah district NW $\frac{1}{4}$ sec. 32, (33-41E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
CLE ELUM RIVER MINING CO., INC. Phil Denney, Pres. 310 Blaine St. Seattle 9, Wash. Current development at Lucky Strike property.	Ag, Au, Pb, Zn	KITITIAS COUNTY Camp Creek area Sec. 25, (23-14E)
CONCONULLY MINES, INC. Alfred E. Kaiser, Mgr.-lessee Box 806, Omak, Wash. 50-ton flotation mill at Omak. Current production at:		
Mohawk mine	Ag	OKANOGAN COUNTY Conconully district Sec. 31, (36-25E)
Peacock mine.	Ag, Cu, Pb, Zn	Ruby district Sec. 19, (35-25E)
CONSOLIDATED MINES & SMELTING CO., LTD. Hugh Brown, Pres. Star Route, Wilbur, Wash. Current development.	Cu, Mo	FERRY COUNTY Keller district Sec. 5, (29-33E) Sec. 35, (30-33E)
COPPER CANYON MINES Hugh Ringquist 526 Evergreen Highway Camas, Wash. Current development at Yellow Jacket and Hoo Hoo claims.	Cu	SKAMANIA COUNTY Washougal district NE $\frac{1}{4}$ sec. 21, (3-5E)
CRESCENT MINE Dan C. Peacock 4362 Union Bay Pl. Seattle, Wash. Current development.	Mn	CLALLAM COUNTY Lake Crescent area Secs. 23, 24, (30-10W)
EAGLE PEAK COPPER MINING CO. R. H. Wheelock, Pres. Box 86 Ashford, Wash. Current development.	Cu, Au	LEWIS COUNTY Mount Rainier Park SW $\frac{1}{4}$ sec. 22, (15-8E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
* ELECTRIC POINT MINE Fred M. Viles, lessee Spokane, Wash. Subleasing to Harris & Bumgarner, Contractors. Oliver W. Harris, Jr. Northport, Wash. Current production.	Pb	STEVENS COUNTY Gladstone Mountain SE $\frac{1}{4}$ sec. 18, (39-42E)
GERMANIA CONSOLIDATED MINES, INC. Julius A. Franz, Pres. 401 Empire State Bldg. Spokane 1, Wash. 25-ton gravity mill. Current production at Keeth mine.	W, Mo	STEVENS COUNTY Deer Trail district Secs. 13, 23, 24, (29-37E)
GLACIER MINING CO. J. R. Atkeson, Secy.-Treas. 4039 Evanston Ave. Seattle 3, Wash. Current development.	Cu, Ag, Au	WHATCOM COUNTY Glacier district SW $\frac{1}{4}$ sec. 4, (39-7E)
GLADSTONE MINE A. G. Lotze Cedar Creek, Northport, Wash. Current development.	Pb	STEVENS COUNTY Northport district Sec. 18, (39-42E)
GOLD BASIN MINING AND DEVELOPMENT CO. Bert Boyer, Vice Pres. 2309 Kulshan Bellingham, Wash. Norman Triplett, Secy. 1597 McLeod Rd. Bellingham, Wash. Current development at Boundary Red Mountain mine.	Au	WHATCOM COUNTY Mt. Baker area NE $\frac{1}{4}$ sec. 4, (40-9E)
GOLD BOND MINING CO. Frank Lilly, Pres. 300 Columbia Bldg. Spokane 4, Wash. Current development.	Au	CHELAN COUNTY Blewett district Culver Gulch and Nigger Creek
GOLD MOUNTAIN MINING CO. c/o Walter Lindgren 6733 Greenwood Ave. Seattle 3, Wash. Current development.	Au	CHELAN COUNTY Blewett district In Culver Gulch

* This property was reported in January 1955 to have been purchased by Northwest Mining Syndicate, Fred M. Viles, Mgr., Spokane, Wash.

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
<p>THE GOLDFIELD CONSOLIDATED MINES CO. Estey A. Julian, V. P.-Gen. Mgr. 1 Montgomery St. San Francisco 4, Calif. T. Higginbotham, Resident Mgr. A. V. Quine, Mine Supt. Northport, Wash. 300-ton flotation mill. Current production at Deep Creek mine.</p>	<p><u>Zn</u>, Pb, Ag</p>	<p>STEVENS COUNTY Northport district Secs. 23, 24, (39-40E)</p>
<p>GRANDVIEW MINES Karl W. Jasper, Pres. 310 Radio Central Bldg. Spokane 4, Wash. Operating agreement with American Zinc, Lead & Smelting Co. at Grandview mine, and current development at:</p>		
<p>Hartbauer property</p>	<p><u>Zn</u>, Pb</p>	<p>STEVENS COUNTY Leadpoint area NW$\frac{1}{4}$NE$\frac{1}{4}$ sec. 2, (39-41E)</p>
<p>Maki, Dossler, Lotz group.</p>	<p><u>Zn</u>, Pb</p>	<p>Currant Creek area Secs. 34, 35, (39-41E)</p>
<p>HIDDEN TREASURE MINES, INC. Harold Lyke, Pres. A. H. Darby, Secy.-Treas. 1601 S. First Ave. Yakima, Wash. Current development at Chinook mine.</p>	<p><u>Cu</u>, Au, Ag</p>	<p>YAKIMA COUNTY Summit district S$\frac{1}{2}$ sec. 4, (16-11E)</p>
<p>HOWE SOUND CO. H. H. Sharp, Pres. 730 Fifth Ave., New York, N. Y. Jack S. Roper, Mgr. Howe Sound Co., Chelan Division Holden, Wash. 2,000-ton flotation mill. Current production at Holden mine.</p>	<p><u>Cu</u>, <u>Zn</u>, Au, Ag</p>	<p>CHELAN COUNTY Holden area Secs. 12, 13, (31-16E) Secs. 18, 19, (31-17E)</p>

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
<p>IDEAL CEMENT CO. Denver National Bldg. Spokane Division G. M. Bell, Plant Mgr. Box 34, Spokane, Wash. Roy Neill, Sales Mgr. 724 Old National Bank Bldg. Spokane 1, Wash. Intermittent production at Napoleon quarry.</p>	Fe	<p>STEVENS COUNTY Orient district Sec. 3, (37-37E)</p>
<p>INDIAN CREEK MERCURY MINES, INC. Ray R. Whiting, Jr., Pres. Milton P. Roumm, Vice Pres. 1711 Smith Tower Seattle 4, Wash. Current development.</p>	Hg	<p>YAKIMA COUNTY Indian Creek Sec. 11, (14-12E)</p>
<p>IOWA MINE Robert T. Curtiss Route 1, Box 156 Monroe, Wash. Lessee of Mint claim from Sultan Basin Mining Co. Current development.</p>	Cu, Ag, Au	<p>SNOHOMISH COUNTY Sultan Basin district Sec. 27, (29-10E)</p>
<p>JIM CREEK MINES, INC. Frank H. Mitchell, Mgr. E. 7119 Euclid Ave. Spokane 6, Wash. Current development.</p>	Pb, Zn, Ag	<p>PEND OREILLE COUNTY Smackout Pass district Secs. 9, 15, (38-42E)</p>
<p>KAESS MINING CO. Lowell A. Kaess 209 Montgomery St. Mount Vernon, Wash. Current development at Johnsburg mine.</p>	Pb, Ag	<p>SKAGIT COUNTY Cascade district Secs. 27, 34, (35-13E)</p>
<p>KELLY CAMP MINE Chas. J. Weller, owner Republic, Wash. Current production.</p>	W	<p>FERRY COUNTY Republic district E$\frac{1}{2}$ sec. 4, (38-32E)</p>
<p>KNOB HILL MINES, INC. A. R. Patterson, Mine Supt. Republic, Wash. Leasing Gold Dollar from Day Mines, Inc. 400-ton flotation mill with cyanidation of tailings. Current production at Knob Hill and Gold Dollar claims.</p>	Au, Ag	<p>FERRY COUNTY Republic district Secs. 22, 26, 27, (37-32E)</p>

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
KROMONA MINES CORP. Joe F. Krom, Pres. 721 Lloyd Bldg. Seattle 1, Wash. 120-ton flotation mill. Current development and current production at Kromona mine.	<u>Cu</u> , Ag, <u>Au</u> , Mo, W	SNOHOMISH COUNTY Sultan district Sec. 13, (28-9E)
LA SOTA, F. P. AND JONES, E. P. Metaline Falls, Wash. Current development.	<u>Zn</u> , Pb	PEND OREILLE COUNTY Slate Creek district NW $\frac{1}{4}$ sec. 23, (40-44E)
LEAD KING MINE Elmer and John Godfrey Northport, Wash. Limited production.	Pb	STEVENS COUNTY Gladstone Mountain SE $\frac{1}{4}$ sec. 12, (39-41E)
LEAD TRUST MINE Felix J. Cardinal, lessee 508 Norfolk Bldg. Spokane 1, Wash. Ray Cater, owner Marlin, Wash. Current development and limited production.	Pb	STEVENS COUNTY Northport district Sec. 12, (39-41E) Sec. 7, (39-42E)
LITTLE KING TUNGSTEN MINE W. H. West, lessee Box 384 Deer Park, Wash. Current development.	W	STEVENS COUNTY Blue Grouse Mountain SE $\frac{1}{4}$ sec. 16, (30-42E)
LOVITT MINING CO., INC. E. H. Lovitt, Pres. Box 1668, Wenatchee, Wash. Current production at Gold King mine.	<u>Au</u> , Ag	CHELAN COUNTY Squillchuck area Sec. 22, (22-20E)
MIDNIGHT MINES, INC. Clair Wynecoop, Mgr. Wellpinit, Wash. Current development and limited production.	U	STEVENS COUNTY Turtle Lake area Sec. 12, (28-38E)
MONTEREY MINING & MILLING CO. Mancil Gray and R. B. Rick Twisp, Wash. 25-ton mill at Twisp. Current production at Spokane mine.	Au, Ag, Pb	OKANOGAN COUNTY Twisp district Sec. 12, (33-21E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
<p>NUGGET PROPERTIES, INC. Mike Liberato, Pres. 1814 36th Ave. W. Seattle 99, Wash. John Panattoni, Treas. 1510 First Ave. Seattle 1, Wash. Current production.</p>	Placer Au	<p>KITTITAS COUNTY Swauk district Secs. 1, 2, (20-17E) Sec. 6, (20-18E)</p>
<p>OPHIR GROUP E. D. Mortenson Albert Eakel Keller, Wash. Current development.</p>	Au, Ag, Pb, Zn	<p>FERRY COUNTY Keller district NE$\frac{1}{4}$ sec. 30, (30-33E)</p>
<p>PEND OREILLE MINES & METALS CO. Lewis P. Larsen, Pres. Jens Jensen, Secy.-Treas. 923 Old National Bank Bldg. Spokane 1, Wash. W. L. Zeigler, Gen. Mgr. Metaline Falls, Wash. 2,400-ton flotation mill. Current production at Pend Oreille mine.</p>	Zn, Pb, Ag	<p>PEND OREILLE COUNTY Metaline district Properties in Tps. 39 and 40, R. 43 E.</p>
<p>PENTICTON TUNGSTEN MINES, LTD. Frank Eichelberger, Pres. Wellman Clark, Secy. 712 Hutton Bldg. Spokane, Wash. Current production at Germania mine.</p>	W	<p>STEVENS COUNTY Deer Trail district SW$\frac{1}{4}$ sec. 13, (29-37E)</p>
<p>PHANTOM CREEK COPPER, INC. Arthur W. Lehman, Pres. Bingen, Wash. S. J. Holden, Secy.-Treas. 321 West 4th St. Cle Elum, Wash. Charles W. McPhail, lessee S. 138th and E. Airport Rd. Tacoma, Wash. Current development at Pickwick property.</p>	Cu, Au, Ag	<p>CHELAN COUNTY Leavenworth district Sec. 9, (23-15E)</p>
<p>PIONEER MINING CO. D. A. Newland and associates Colville, Wash. Current production at Longshot mine.</p>	Pb, Zn, Ag, W	<p>STEVENS COUNTY Mill Creek district NW$\frac{1}{4}$ sec. 18, (36-41E)</p>

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
ROCKY CREEK GROUP Kaniksu Metals E. J. Cowan and M. F. Flanagan 1515 N. Anderson St. Tacoma 6, Wash. Current development.	<u>Pb</u> , Ag, Au	PEND OREILLE COUNTY SE $\frac{1}{4}$ sec. 23, (37-41E)
RUBY SILVER MINES, INC. H. O. Dhont, Pres. Elmer City, Wash. 50-ton flotation mill. Current development and limited production at Little Chief mine.	Ag	OKANOGAN COUNTY Nespelem district NW $\frac{1}{4}$ sec. 35, (31-30E)
SCANDIA MINING GROUP Raleigh Hallenius, owner 1305 E. Everett Ave. Spokane 23, Wash. Theodore Nasburg, owner 32 E. 29th Ave. Spokane 35, Wash. Current development.	<u>Zn</u> , Pb	STEVENS COUNTY Northport district NE $\frac{1}{4}$ sec. 23, (39-40E)
J. D. SHOTWELL CO. Box 541 Bridgeport, Wash. Current production. (See also: J. D. Shotwell Co. under Sand and Gravel Operations.)	Placer Au	OKANOGAN COUNTY Bridgeport area NW $\frac{1}{4}$ sec. 10, (29-25E)
SILVER MOUNTAIN MINING CO., INC. Arthur G. Nickelsen, Pres. 2403 S. Tacoma Way Tacoma 3, Wash. Current development.	<u>Ag</u> , Au, Pb, Zn	OKANOGAN COUNTY Tonasket area W $\frac{1}{2}$ sec. 34, (38-26E) NW $\frac{1}{4}$ sec. 3, (37-26E)
SKAMANIA MINE Leon P. Montchalin, owner Route 2, Washougal, Wash. Recent development.	Cu	SKAMANIA COUNTY Washougal district SW $\frac{1}{4}$ sec. 21, (3-5E)
SPOKANE MINING SYNDICATE, INC. Henry T. Born, Pres. 730 Peyton Bldg. Spokane 1, Wash. 75-ton flotation mill. Current development at Talisman mine.	<u>Cu</u> , <u>Zn</u> , Ag, W	FERRY COUNTY Orient district Sec. 3, (40-36E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
<p>SUNNY PEAK MINING CO. Dale Lanphere, Mgr. 300 Columbia Bldg. Spokane, Wash. Current development at Gubser mine.</p>	<p>Ag, Cu, Pb</p>	<p>OKANOGAN COUNTY Salmon River district N$\frac{1}{2}$ sec. 36, (36-24E)</p>
<p>SUNSET MINE Index Mining Co. C. V. Brennan, Pres. 2430 Monte Vista Place Seattle 99, Wash. Current development.</p>	<p>Cu, Ag, Au</p>	<p>SNOHOMISH COUNTY Index district Sec. 1, (27-10E)</p>
<p>TREE TOP MINING CO. E. E. Tomlinson, Supt. Box 309, Northport, Wash. Current development.</p>	<p>Pb, Ag</p>	<p>STEVENS COUNTY Northport district</p>
<p>TWIN SISTERS MAGNESIUM AND CHROME CORPORATION Alwyn H. Wild, Pres. 1101 Terminal Sales Bldg. Seattle 1, Wash. Current development. (See also: Twin Sisters Magnesium and Chrome Corporation under Nonmetallic Mining Operations.)</p>	<p>Cr</p>	<p>SKAGIT COUNTY Twin Sisters Mtns. Secs. 3, 4, (36-7E)</p>
<p>WESTERN STATES COPPER CORP. Charles Sisenvine, Pres. 5909 Phinney Ave. Seattle 3, Wash. Property leased from M. F. Gilbreath Seattle, Wash. Current production.</p>	<p>Cu, Au, Ag</p>	<p>KING COUNTY Taylor River district Sec. 16, (24-10E)</p>

NONMETALLIC MINING OPERATIONS

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
ABRAHAMSON BRICK CO. G. C. Anderson, Mgr. 5000 W. Marginal Way Seattle 6, Wash. Current production.	Brick	KING COUNTY Pit at same address
ADDERSON, J. G. 10621 Crestwood Drive Seattle 88, Wash. Current production at:		
Johnson mine	Clay	KING COUNTY Black Diamond area E $\frac{1}{2}$ sec. 26, (21-6E)
Alcorn pit.	Clay	Green River area SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 27, (21-6E)
AGRO MINERALS, INC. R. W. Cool, Pres.-Gen. Mgr. R. R. 1, Tonasket, Wash. Current production.	Epsom salts, gypsite	OKANOGAN COUNTY Tonasket area SE $\frac{1}{4}$ sec. 5, (38-27E)
ARBOR LAKE HUMUS CO. Fred Drachenberg 240 S. 124th St. Seattle, Wash. Current production.	Peat	KING COUNTY South of Seattle Pit at same address
ARGUS SUPER HUMUS A. G. Argus 15045 First Ave. N.E. Seattle 55, Wash. Current production.	Peat	KING COUNTY North Seattle
ARROW LAKE HUMUS CO. W. H. Albright 19661 First Ave. S. Seattle 88, Wash. Current production.	Peat	KING COUNTY South of Seattle Pit at same address

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
B & K MINE C. W. Bunney Box 323 Entiat, Wash. Current production.	Pumice	CHELAN COUNTY Entiat district NW $\frac{1}{4}$ sec. 24, (27-19E)
B & R COAL CO. Joe Baima and Mike Rubattino P. O. Box 389 Renton, Wash. Current production at Newcastle mine.	Coal	KING COUNTY Newcastle area Secs. 26, 27, (24-5E)
BASSETT'S GRO-EARTH Leno Bassett, owner 17050 Brookside Blvd. Seattle 55, Wash. Current production.	Peat	SNOHOMISH COUNTY Kenmore area SW $\frac{1}{4}$ sec. 35, (27-4E)
BELLINGHAM COAL MINES CO. Earl R. McMillan, Vice Pres. 1012 Smith Tower Seattle 4, Wash. Current production.	Coal	WHATCOM COUNTY At Bellingham Secs. 13, 24, (38-2E)
BLACK GOLD HUMUS John G. Kane 15024 First Ave. N.E. Seattle 55, Wash. Current production.	Peat	KING COUNTY North Seattle Pit at same address
BLACK PRINCE COAL CO. Mrs. Angeline Parkins Route 2, Box 323 Centralia, Wash. Current production.	Coal	LEWIS COUNTY Centralia area S $\frac{1}{2}$ sec. 28, (15-1W)
BLACK RIVER QUARRY, INC. Joseph Romano, Pres. 6808 S. 140th St. Seattle 88, Wash. J. R. Hawk, Mgr. 3213 37th S. Seattle, Wash. Current production. (See also: Black River Quarry, Inc. under Sand and Gravel Operations.)	Rockery rock	KING COUNTY 6808 S. 140th St. Seattle Sec. 14, (23-4E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
BOW LAKE HUMUS CO. T. and F. Boysen 18118 Pacific Highway South Seattle 88, Wash. Current production.	Peat	KING COUNTY Bow Lake area NE $\frac{1}{4}$ sec. 33, (23-4E)
BREMERTON MONUMENT CO. Lester M. Lewis, owner Rt. 2, Box 1279-B Bremerton, Wash. Current production at Green Mountain quarry.	Monument stone, landscape rock	KITSAP COUNTY Green Mtn. area NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 21, (24-1W)
BROWN, GORDON J. Route 1, Box 219 Chehalis, Wash. Current production.	Clay	LEWIS COUNTY Centralia area E $\frac{1}{2}$ sec. 34, (15-2W)
BROWN, N. W. L. P. O. Box 1 Riverside, Wash. Current production at Riverside quarry.	Dolomite	OKANOGAN COUNTY Sec. 26, (35-26E)
BUILDER'S BRICK CO. R. C. Houlahan, Pres. 3800 9th Ave. S. Seattle 8, Wash. Current production at:	Brick, tile	Plants in Seattle, King County and Clay City, Pierce County
Seattle pit	Clay	KING COUNTY 9th & Charlestown Sts.
Clay City pit.	Clay	PIERCE COUNTY S $\frac{1}{2}$ sec. 25, (17-4E)
CARBON BROTHERS QUARRY Pete and Carl Carbon N. 3430 Cook St. Spokane, Wash. Current production. (See also: Carbon Brothers Quarry under Sand and Gravel Operations.)	Rockery rock	SPOKANE COUNTY Spokane area NE. corner of Geiger Field
CARBONADO COAL CO. T. A. Basselli, Supt. Carbonado, Wash. Current production.	Coal	PIERCE COUNTY Wilkeson area NW $\frac{1}{4}$ sec. 4, (18-6E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
CARLSON, ERIC E. Rt. 1, Box 1961 Redmond, Wash. Current production.	Peat	KING COUNTY Near Redmond NE $\frac{1}{4}$ sec. 16, (25-6E)
CAVANAUGH MOLDING SAND CO. Milton B. Cavanaugh 9827 S.E. 94th St. Kennydale, Wash. Current production.	Molding sand, daubing clay	KING COUNTY Cedar Mountain area NE $\frac{1}{4}$ sec. 30, (23-6E)
CHEHALIS BRICK & TILE CO. F. G. Burrows, Mgr. M. D. Saindon, Sales Mgr. Box 868, Chehalis, Wash. Current production.	Brick, tile	LEWIS COUNTY At Chehalis W $\frac{1}{2}$ sec. 29, (14-2W)
COLUMBIA RIVER LIME CO. John Herb, lessee Columbia Way Vancouver, Wash. Recent production.	Limestone	PACIFIC COUNTY NW $\frac{1}{4}$ sec. 27, (10-10W)
THE DRAFT THULITE AND DIMENSION STONE WORKS August H. Draft Riverside, Wash. Current production.	Dimension stone, gem material	OKANOGAN COUNTY Riverside area N $\frac{1}{2}$ sec. 5, (35-27E)
DRAGHI, LOUIS Box 366 Black Diamond, Wash. Current production.	Coal	KING COUNTY Black Diamond district SE $\frac{1}{4}$ sec. 14, (21-6E)
EMPIRE GRANITE CO. John F. Goldback, Mgr. Dishman, Wash. Current production.	Monumental, architectural, and crushed granite	SPOKANE COUNTY Near Dishman Secs. 19, 20, (25-44E)
EVERETT LIME CO. Walter DeLong, Pres. 801 Canal St. Tacoma, Wash. Leasing McGraw-Kittinger deposit from Elsie Westerman, Seattle, Wash. Current production.	Limestone	SAN JUAN COUNTY Orcas Island NW $\frac{1}{4}$ sec. 2, (36-2W)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
FEDERAL WAY HUMUS CO. E. G. Schwieger P. O. Box 965 Auburn, Wash. Current production.	Peat	KING COUNTY Federal Way area NE $\frac{1}{4}$ sec. 8, (21-4E)
FIRCREST PEAT CO. Lora D. LeBleue, owner Box 921 Olympia, Wash. Current production.	Peat	THURSTON COUNTY SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 32, (19-1W)
FULLER SOILS H. R. Fuller 17002 Meridian Ave. Seattle 33, Wash. Current production.	Peat	KING COUNTY North Seattle Pit at same address
GARLAND MINERAL SPRINGS Rev. Cameron A. Sharp, Director Index, Wash. Current production.	Mineral water	SNOHOMISH COUNTY Index area Sec. 25, (28-11E)
GAS-ICE CORP. 200A Medical Arts Bldg. Seattle 1, Wash. R. B. Newbern, Pres. 1405 N.W. 20th Ave. Portland 9, Oreg. J. E. Newbern, Plant Mgr. Klickitat, Wash. Current production.	Carbon dioxide ("dry ice")	KLICKITAT COUNTY Near Klickitat Secs. 19, 23, 24, (4-14E)
GLADDING, McBEAN & CO. C. W. Planje, Vice Pres. 945 Elliott Ave. W. Seattle 99, Wash. Plants at Renton, King County, and at Mica, Spokane County. Currently operating the following:	Clay and clay products	
Harris mine	Clay	KING COUNTY Near Issaquah NW $\frac{1}{4}$ sec. 33, (24-6E)
Newcastle clay pit	Clay	Newcastle area SW $\frac{1}{4}$ sec. 27, (24-5E)
Palmer pit	Clay	Palmer area NW $\frac{1}{4}$ sec. 14, (21-7E)

(continued on following page)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
GLADDING, McBEAN & CO. (continued from preceding page)		
Renton pit	Clay	At Renton
Mica pit.	Clay	SPOKANE COUNTY At Mica Sec. 23, (24-44E)
GRANGER CLAY PRODUCTS CO. Alex Corbett, owner 515 S. 5th Ave. Yakima, Wash. Plant and pit at Granger, Wash. Current production.	Brick, tile, clay	YAKIMA COUNTY SW $\frac{1}{4}$ sec. 22, (10-21E)
HEMPHILL BROTHERS, INC. Wylie M. Hemphill, Secy. 3300 First Ave. S. Seattle 4, Wash. Current production at Baring quarry.	Crushed granite	KING COUNTY Near Baring Sec. 2, (26-10E)
HICKS, C. B. Rt. 1, Box 41 Orting, Wash. Limited production.	Flagstone (sandstone)	PIERCE COUNTY Orting area NW $\frac{1}{4}$ sec. 20, (18-5E)
HIDDEN BRICK CO. R. A. Hidden, Mgr. 2610 Kauffman Ave. Vancouver, Wash. Current production.	Brick	CLARK COUNTY Pit at same address
HOLE IN THE GROUND QUARRY C. E. Ager, operator Pine City, Wash. Current production.	Flagstone	WHITMAN COUNTY Rock Lake area SW $\frac{1}{4}$ sec. 14, (20-41E)
HORD, R. S. Rt. 3, Box R-56 Auburn, Wash. Limited production.	Peat	KING COUNTY Dolloff Lake area SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 10, (21-4E)
HOUPLIN, J. E. 222d and 9th S. (Box 456) Des Moines, Wash. Current production at Shuksan quarry.	Field stone (green andesite)	WHATCOM COUNTY Mt. Shuksan area W $\frac{1}{2}$ sec. 33, (40-8E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
<p>IDEAL CEMENT CO. Denver National Bldg. Denver, Colo. Spokane Division G. M. Bell, Plant Mgr. Box 34, Spokane, Wash. Roy Neill, Sales Mgr. 724 Old National Bank Bldg. Spokane 1, Wash. Quarry address: Northport, Stevens County. Plant at Irvin, Spokane County. Current production at:</p>	<p>Portland cement</p>	
<p>Marble quarry</p>	<p>Limestone</p>	<p>STEVENS COUNTY Near Marble Sec. 25, (39-39E)</p>
<p>Napoleon quarry. (See also: Ideal Cement Co. under Metallic Mining Operations.)</p>	<p>Shale</p>	<p>Orient district Sec. 3, (37-37E)</p>
<p>JANNI, PETER, & SONS (See Peter Janni & Sons.)</p>		
<p>JOHNSON COAL CO. E. S. Johnson, Mgr. Box 71, Black Diamond, Wash. Recent production.</p>	<p>Coal</p>	<p>KING COUNTY Black Diamond area E$\frac{1}{2}$ sec. 26, (21-6E)</p>
<p>KEENE & SON Roy C. Keene Medical Lake, Wash. Current production from Morris quarry.</p>	<p>Monumental and architectural granite</p>	<p>SPOKANE COUNTY Near Medical Lake SE$\frac{1}{4}$ sec. 8, (24-41E)</p>
<p>KENITE CORP. C. A. Frankenhoff, Pres. A. G. Frankenhoff, Vice Pres. Harwood Bldg. Scarsdale, N. Y. C. F. Koenig, Plant Mgr. Don Ross, Asst. Plant Mgr. P. O. Box 1001, Quincy, Wash. Current production.</p>	<p>Diatomite</p>	<p>GRANT COUNTY South of Quincy Secs. 17, 20, (18-23E)</p>

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
LEHIGH PORTLAND CEMENT CO. Young Bldg. Allentown, Pa. Local address: Metaline Falls, Wash. A. W. Schaeffer, Plant Mgr. Current production at Metaline Falls quarry.	Portland cement, limestone, quartzite, shale	PEND OREILLE COUNTY Near Metaline Falls NE $\frac{1}{4}$ sec. 27, (39-43E)
LOWELL BRICK & TILE CO. John Gorin, Mgr. P. O. Box 277 Lowell, Wash. Current production.	Brick	SNOHOMISH COUNTY Lowell area SW $\frac{1}{4}$ sec. 29, (29-5E)
MANUFACTURERS MINERAL CO. (Mineral Products Corp.) Geo. H. Waterman, Pres. 1107 W. Idaho St. (P. O. Box 3144) Seattle 14, Wash. Current production at:		Plant at 1107 W. Idaho St. Seattle
Index quarry	Crushed granite	SNOHOMISH COUNTY Near Index Sec. 18, (27-10E)
Chewelah pit	Silica sand, molding sand, filter sand, blast sand	STEVENS COUNTY Near Chewelah Sec. 28, (32-40E)
Madsen pit	Barite	Addy district E $\frac{1}{2}$ NE $\frac{1}{4}$ sec. 27 and W $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 26, (34-38E)
Marble quarries	Terrazzo chips	Chewelah area
Valley quarry.	Dolomite	Near Valley Secs. 15, 22, (31-40E)
McKAY, THOMAS A. Route 2, Box 632 Puyallup, Wash. Current production.	Peat	PIERCE COUNTY Puyallup area SW $\frac{1}{4}$ sec. 3, (19-4E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
MILLER LIME CO. Leslie B. Miller P. O. Box 308 Gold Bar, Wash. Current production.	Limestone	SNOHOMISH COUNTY Gold Bar area SE $\frac{1}{4}$ sec. 16, (27-9E)
MITCHELL BAY LIME CO. Gordon C. Clauson 1920 Milford Way Seattle 3, Wash. Current production at Maple Falls quarry.	Limestone	WHATCOM COUNTY Near Maple Falls SW $\frac{1}{4}$ sec. 7, (40-6E)
MOFFETT'S HOT SPRINGS North Bonneville, Wash. Current production.	Mineral water	SKAMANIA COUNTY Near North Bonneville SW $\frac{1}{4}$ sec. 15, (2-7E)
MONARCH COAL PROCESSING CO. F. E. Siemens Rt. 1, Box 521 Centralia, Wash. Recent production.	Coal	THURSTON COUNTY Tono area SW $\frac{1}{4}$ sec. 21, (15-1W)
MORCROP LIME CO. C. F. Larsen, Pres. 1900 Alaskan Way Seattle 8, Wash. Plant at Trafton. Frank Flatt, Supt. Route 3, Arlington, Wash. Current production at:		
Paddock quarry	Limestone	SNOHOMISH COUNTY NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 2, (31-6E)
Lake Ten quarry.	Silica- carbonate rock	SKAGIT COUNTY Devils Mountain area NE $\frac{1}{4}$ sec. 10, (33-4E)
MORRISON, HARRY A. N. 506 Greenacres Rd. Route 1 Greenacres, Wash. Current production.	Peat	SPOKANE COUNTY Saltese Marsh area Sec. 33, (25-45E)
MOUNT ADAMS SHEET ROCK QUARRY Joe Marston 9400 N.E. Mason St. Portland 20, Oreg. Current production.	Flagstone (andesite)	YAKIMA COUNTY Mount Adams area SW $\frac{1}{4}$ sec. 27, (8-11E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
MOUNT VIEW HUMUS CO. H. D. Trepanier 11041 28th Ave. S.W. Seattle 66, Wash. Current production.	Peat	KING COUNTY Bog at 1246 S.W. 106th Seattle
MOUNTAIN LAKE PEAT MOSS CO. Roland P. Campbell 759 Mill St. Okanogan, Wash. Current production.	Peat	OKANOGAN COUNTY Buzzard Lake NW $\frac{1}{4}$ sec. 35, (34-25E)
MUTUAL MATERIALS CO. E. R. Coats, Pres. 1200 8th Ave. S. Seattle 4, Wash. Current production. (See also: Mutual Materials Co. under Sand and Gravel Operations.)	Send-lime brick	KING COUNTY South Park area SE $\frac{1}{4}$ sec. 31, (24-4E)
NORTHWEST BRICK & TILE, INC. Harry Shaefer, Supt. Route 1, Burlington, Wash. Current production.	Brick, tile	SKAGIT COUNTY Friday Creek area NW $\frac{1}{4}$ sec. 32, (36-4E)
NORTHWEST MAGNESITE CO. Exec. office: Farmers Bank Bldg. Pittsburgh, Pa. Local address: Howard Ziebell, Mgr. Chewelah, Wash. Currently mining magnesite at Red Marble quarry, and calcining at plant near Chewelah, Wash.	Magnesite	STEVENS COUNTY Chewelah district SE $\frac{1}{4}$ sec. 24, (31-38E)
NORTHWEST TALC & MAGNESIUM CO. Nels F. Jensen, Mgr. P. O. Box 324 Clearlake, Wash. Current production at:		
Clear Lake quarry	Talc, soapstone	SKAGIT COUNTY Clear Lake area Sec. 17, (34-5E)
Wilson quarry.	Talc, soapstone	Marblemount area Sec. 21, (36-11E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
NORTHWESTERN IMPROVEMENT CO. Earl R. McMillan, Mgr. of Coal Operations 1012 Smith Tower Seattle 4, Wash. Mines address: Roslyn, Wash. Current production at:	Coal	
Mine No. 3		KITTITAS COUNTY Roslyn area Sec. 7, (20-15E)
Mine No. 9		Secs. 20, 21, 28, (20-15E)
Strip pit.		Secs. 7, 14, 15, 16, 22, 23, (20-15E)
NORTHWESTERN PORTLAND CEMENT CO. Gordon Tongue, Pres.-Gen. Mgr. D. G. Metcalf, Secy.-Treas. 1702 Northern Life Tower Seattle 1, Wash. Plant address: Grotto, Wash. Current production at:	Portland cement	
Grotto pit	Clay	KING COUNTY At Grotto Sec. 17, (26-11E)
Soda Springs quarry.	Limestone	CHELAN COUNTY Soda Springs area N $\frac{1}{2}$ sec. 10, (27-15E)
OHANAPECOSH HOT SPRINGS Martin Kilian, Mgr. Packwood, Wash. Current production.	Mineral water	LEWIS COUNTY Mount Rainier area SW $\frac{1}{4}$ sec. 4, (14-10E)
OLYMPIC HOT SPRINGS Harry Schoeffel, Mgr. Port Angeles, Wash. Current production.	Mineral water	CLALLAM COUNTY Elwha area NW $\frac{1}{4}$ sec. 28, (29-8W)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
THE OLYMPIC PORTLAND CEMENT CO., LTD. H. M. Krabbe, Gen. Supt. P. O. Box 17 Bellingham, Wash. Current production at:	Portland cement	
Brennan pit	Clay	WHATCOM COUNTY At Brennan Sec. 33, (39-2E)
Kendall quarry.	Limestone	Near Kendall Sec. 14, (40-5E)
ORGANIC PLANT FOODS SUPPLY Wm. W. Barager, owner Sunnyslope Drive Port Orchard, Wash. Current production.	Peat	KITSAP COUNTY Sunnyslope area
PACIFIC SILICA CO. Wylie M. Hemphill, Secy. 3300 First Ave. S. Seattle 4, Wash. Cecil Mullenix, Supt. Deer Park, Wash. Current production at Latshaw (Denison or Silica Hill) deposit.	Silica	SPOKANE COUNTY North of Spokane Sec. 14, (27-42E)
PALMER COKING COAL CO., INC. John H. Morris, Gen. Mgr. Box 8, Black Diamond, Wash. Current production at:	Coal	
Landsburg mine		KING COUNTY Landsburg area Sec. 24, (22-6E)
No. 10 Franklin mine		Franklin area Secs. 8, 9, (21-7E)
No. 12 Franklin mine and strip operation.		Sec. 18, (21-7E)
PETER JANNI & SONS Peter Janni Box 333 Northport, Wash. Current production.	Limestone, terrazzo chips, stucco dash, marble roofing	STEVENS COUNTY Near Northport SE $\frac{1}{4}$ sec. 7, (39-40E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
PIRELLLO BROS. E. 15110 36th Ave. Veradale, Wash. Current production at Tiano clay pit.	Clay	SPOKANE COUNTY 2 mi. east of Chester SE $\frac{1}{4}$ sec. 35, (25-44E)
PLANT FOOD CO. Geo. Webster, owner 2303 N. 175th St. Seattle 33, Wash. Current production.	Peat	KING COUNTY North Seattle Pit at same address
PUGET SOUND BRIDGE & DREDGING CO. H. W. McCurdy, Pres.-Gen.Mgr. 2929 16th Ave. S.W. Seattle, Wash. Harry L. DuBois, Mgr., Quarry Div. 12020 E. Marginal Way Seattle 88, Wash. Current production at Riverton Quarry. (See also: Puget Sound Bridge & Dredging Co. under Sand & Gravel Operations.)	Rockery rock	KING COUNTY Lot 7, Riverside Interurban tract Sec. 9, (23-4E)
RED ROCK QUARRY Aksel Sorensen, lessee 4051 N.E. Columbia Blvd. Portland 11, Oreg. Current production.	Rockery rock	CLARK COUNTY Camas area Secs. 8, 9, (1-3E)
RIBBON CLIFF GRANITE CO. Kenneth Allen P.U.D. Building Wenatchee, Wash. Limited production.	Crushed granite	CHELAN COUNTY Ribbon Cliff area Lot 7, sec. 33, (26-21E)
RIDGEFIELD BRICK & TILE CO. C. B. Muffet Rt. 1, Box 79 Ridgefield, Wash. Current production.	Brick, tile	CLARK COUNTY NE. of Ridgefield SE $\frac{1}{4}$ sec. 17, (4-1E)
ROCHE HARBOR LIME & CEMENT CO. Mrs. Adda McMillin, Pres. J. C. Hassel, Supt. Roche Harbor, Wash. Current production at Roche Harbor quarry.	Lime, limestone	SAN JUAN COUNTY Roche Harbor Sec. 17, (36-4W)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
ROSLYN-CASCADE COAL CO. Harry S. Patrick, Pres. Ronald, Wash. Current production.	Coal	KITTITAS COUNTY Ronald area Sec. 6, (20-15E)
ST. MARTIN'S MINERAL HOT SPRINGS L. G. Buckler, Gen. Mgr. Carson, Wash. Current production.	Mineral water	SKAMANIA COUNTY Near Carson SE $\frac{1}{4}$ sec. 21, (3-8E)
SCHEEL OLIVINE, INC. H. P. Scheel, Pres. Walter E. Bergstrom, Gen. Mgr. 201 Polson Bldg. Mount Vernon, Wash. Plant at Hamilton. Current production at Twin Sisters quarry.	Olivine (crude and crushed)	SKAGIT COUNTY Twin Sisters Mtns. Sec. 16, (36-7E)
Limited production at:		
Rainbow quarry	Soapstone	Marblemount area Sec. 15, (36-11E)
Various quarries.	Roofing granules	SKAGIT COUNTY
SEATTLE BRICK & TILE CO., INC. John B. Stirrat, Pres. Roy N. Stirrat, Vice Pres.-Mgr. 9th Ave. S. and Andover St. Seattle 4, Wash. Current production.	Brick, tile	KING COUNTY Pit at same address
SEOLA HUMUS CO. Will L. Rausch 7335 34th Ave. S.W. Seattle 6, Wash. Current production.	Peat	KING COUNTY Bog at 28th and 104th S.W., Seattle
SETZER, MAX 18011 Sunset Highway Renton, Wash. Current production.	Peat	KING COUNTY Coalfield area NW $\frac{1}{4}$ sec. 7, (23-6E)
SHARP, J. ARNOLD Route 11, Box 652 Olympia, Wash. Current production.	Peat	THURSTON COUNTY SE $\frac{1}{4}$ sec. 20, (18-2W)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
SKAGIT TALC PRODUCTS William Soren, Mgr. Route 1 Sedro Woolley, Wash. Current production.	Soapstone	SKAGIT COUNTY Near Marblemount Secs. 11, 14, (36-11E)
SMITH BROS. SILICA SAND CO. Rt. 1, Box 1027 Auburn, Wash. Current production at Hammer Bluff deposit.	Silica sand	KING COUNTY East of Auburn NE $\frac{1}{4}$ sec. 28, (21-6E)
SOAP LAKE Several resorts, sanitariums, and hotels operating.	Mineral water containing sodium salts, principally carbonates	GRANT COUNTY Secs. 12, 13, 24, (22-26E) Secs. 18, 19, (22-27E)
SOL DUC HOT SPRINGS W. C. Abel, owner Box 419, Hoquiam, Wash. Current production.	Mineral water	CLALLAM COUNTY Lake Crescent area NW $\frac{1}{4}$ sec. 32, (29-9W)
SOMMER, A. M. E. 15403 32nd Ave. Veradale, Wash. Current production at Vera pit.	Clay	SPOKANE COUNTY Near Chester NE $\frac{1}{4}$ sec. 35, (25-44E)
SORLIE, ARNE Lakeside, Wash. Current production.	Pumice	CHELAN COUNTY Near Twentyfive Mile Creek Sec. 9, (28-21E)
STILLWELL, J. B. 919 Horton St. Seattle 4, Wash. Intermittent production.	Clay	KING COUNTY Pit at same address
STOKER COAL MINING CO. Tono Branch Fred Martin Box 82, Centralia, Wash. Ernest Barber Route 1, Box 519 Centralia, Wash. Current production at Tono mine.	Coal	THURSTON COUNTY Tono area SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 20, (15-1W)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
* SUPERIOR PORTLAND CEMENT, INC. C. N. Reitze, Pres. Ned H. Nelson, V.P.-Gen. Mgr. 1003 Seaboard Bldg. Seattle 1, Wash. W. F. Schultz, Purchasing Agent 3801 E. Marginal Way Seattle 4, Wash. M. Masters, Supt. Concrete, Wash. Current production at:	Portland cement	Plant at Concrete, Wash. and plant at 3801 E. Marginal Way, Seattle
Concrete quarry Concrete pit	Limestone Clay	SKAGIT COUNTY Sec. 2, (35-8E)
Seattle pit	Clay	KING COUNTY SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 30, (24-4E)
Sentinel Mountain pit.	Pumicite	GRANT COUNTY SW $\frac{1}{4}$ sec. 23, (15-24E)
L. C. SWARTZ CONCRETE PRODUCTS L. C. Swartz, owner 35 Swartz Rd. Ephrata, Wash. Current production. (See also: L. C. Swartz Concrete Products under Sand and Gravel Operations.)	Pumice sand	GRANT COUNTY Soap Lake area SE $\frac{1}{4}$ sec. 36, (23-26E)
TEEL BROS. CONTRACTORS		
Carl Teel Rt. 2, Box 894-B Bremerton, Wash. Current production at:		
Camp Union quarry	Riprap, landscape rock (granite)	KITSAP COUNTY Camp Union area NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 8, (24-1W)
Sunnyslope pit.	Peat	Sunnyslope area NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7, (23-1E)
J. A. TERTELING & SONS, INC. Ravensdale, Wash. Alfred DeCoria, Gen. Supt. Box 241, Auburn, Wash. Recent production from strip pit.	Coal	KING COUNTY Ravensdale area McKay seam Sec. 36, (22-6E) Sec. 1, (21-6E)

* A merger with Ideal Cement Co. is in process in early 1955.

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
TWIN SISTERS MAGNESIUM AND CHROME CORPORATION Alwyn H. Wild, Pres. 1101 Terminal Sales Bldg. Seattle 1, Wash. Current development. (See also: Twin Sisters Magnesium and Chrome Corporation under Metallic Mining Operations.)	Olivine	SKAGIT COUNTY Twin Sisters Mtns. Secs. 3, 4, (36-7E)
WALKER CUT STONE CO., INC. R. G. Walker, Pres. P. O. Box 68 Wilkeson, Wash. Current production at Wilkeson quarry.	Building stone, split face ashlar (sandstone)	PIERCE COUNTY At Wilkeson Sec. 27, (19-6E)
WASHINGTON BRICK & LIME CO. Neal R. Fosseen, Pres. Box 2198 Spokane 10, Wash. Plants at Dishman, Spokane County and Clayton, Stevens County. Currently operating the following:	Clay products, sand-lime brick	
Freeman pit	Clay	SPOKANE COUNTY At Freeman Sec. 1, (23-44E)
Mica pit	Clay	Mica area SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 23, (24-44E)
Olson pit	Clay	Clayton area NW $\frac{1}{4}$ sec. 4, (29-42E)
Mason pit	Clay	Mica area SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 21, (24-44E)
A. B. pit	Clay	STEVENS COUNTY Near Clayton NW $\frac{1}{4}$ sec. 32, (30-42E)
Clayton pit.	Clay	At Clayton Sec. 19, (29-42E)
WASHINGTON GREEN SANDSTONE, INC. Urban Drew, Pres. P. O. Box 812 Moses Lake, Wash. Current production.	Sandstone	KITITITAS COUNTY Liberty area NE $\frac{1}{4}$ sec. 24, (21-17E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
<p>WASHINGTON NATURAL PRODUCTS CO. R. J. Catlow, Dir. and Vice Pres. 2507 Miller St. Seattle 2, Wash. Processing plant at Riverside. Intermittent production at Booher pit.</p>	Marl	<p>OKANOGAN COUNTY Riverside area Sec. 3, (35-26E)</p>
<p>WASHINGTON NON-METALLICS, INC. Gordon LaVigne, Vice Pres. P. O. Box 22 Chewelah, Wash. Lease and own various properties in Chewelah area. Current production.</p>	Terrazzo chips	<p>STEVENS COUNTY Chewelah district</p>
<p>WASHINGTON POTTERY CO. K. E. Wilson 809 Snoqualmie St. Seattle 8, Wash. Current production.</p>	Pottery	<p>KING COUNTY At Seattle 9th and Lane Sts.</p>
<p>WATERMAN-SYMMINGTON SLATE CO. David Symington, Mgr. 4601 Union Bay Place Seattle 5, Wash. Current development.</p>	Slate	<p>STEVENS COUNTY Waits Lake area NW$\frac{1}{4}$ sec. 19, (31-39E)</p>
<p>WEAVER'S PRODUCTS W. E. Weaver 165th and Meridian Seattle, Wash. Current production.</p>	Peat	<p>KING COUNTY North Seattle Pit at same address</p>
<p>WENATCHEE BRICK & TILE CO. R. M. Bird, Pres. Box 265, Wenatchee, Wash. Current production.</p>	Brick, tile	<p>CHELAN COUNTY At Wenatchee 9th and Pierre Sts.</p>
<p>WENATCHEE STONE CO. Myron S. Huckle 6856 54th N.E. Seattle, Wash. Current production at:</p>		
<p>Wenatchee quarry</p>	<p>Building stone, (sandstone)</p>	<p>CHELAN COUNTY Dry Gulch area Sec. 21, (22-20E)</p>
<p>Shuksan quarry.</p>	<p>Stone (green andesite)</p>	<p>WHATCOM COUNTY Mt. Shuksan area W$\frac{1}{2}$ sec. 33, (40-8E)</p>

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
WESTERN VENTURES, INC. W. Randolph Green, V.P.-Treas. 3414 W. Euclid Ave. Spokane 14, Wash. Current production.	Diatomite	KITITIAS COUNTY Badger Pocket Sec. 15, (15-20E)
WILDE CO. Geo. H. Wilde, Rt. 4, Box 600 Geo. H. Wilde, Jr. 6103 N.E. Dimick Rd. Vancouver, Wash. Current production.	Molding sand, brick	CLARK COUNTY NE. of Vancouver SE $\frac{1}{4}$ sec. 7, (2-2E)

SAND AND GRAVEL OPERATIONS

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
ACE PAVING CO. Vernon Clauson and S. O. Christopherson Route 2, Box 56 Bremerton, Wash. Current production.	Gravel	KITSAP COUNTY Bremerton area SE $\frac{1}{4}$ sec. 16, (24-1E)
ACE SAND & GRAVEL CO., INC. Loyd J. Borjessan, Pres. 302 N. Park Rd. (P. O. Box 27) Spokane, Wash. Current production.	Sand, gravel	SPOKANE COUNTY Pit at same address
ACME SAND & GRAVEL CO. F. H. Drollinger, owner 700 E. Trent Ave. Spokane 2, Wash. Current production at one pit.	Sand, gravel	SPOKANE COUNTY Washington & Cora Sts., 1500 E. Francis & Maple Sts., Spokane
ARLINGTON SAND & GRAVEL CO. V. M. Lee, Secy.-Treas. Box 38, Arlington, Wash. Current production.	Sand, gravel, crushed rock, crusher dust	SNOHOMISH COUNTY Near Arlington Sec. 2, (31-5E)
ASSOCIATED SAND & GRAVEL CO. Howard F. Sievers and Geo. P. Duecy 2508 Colby, Everett, Wash. Current production.	Sand, gravel, crushed rock	SNOHOMISH COUNTY Everett area E $\frac{1}{2}$ sec. 1, (28-4E)
B-D SAND & GRAVEL CO. Earl E. Woodruff, owner Box 178, Vancouver, Wash. Current production.	Sand, gravel	CLARK COUNTY On W. River road SE $\frac{1}{4}$ sec. 20, (2-1E)
BATTERMAN'S QUALITY SAND & GRAVEL Geo. Batterman, Jr. Rt. 5, Box 1060 Wenatchee, Wash. Current production.	Sand, gravel	DOUGLAS COUNTY East Wenatchee area Sec. 13, (22-20E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
BEATY, A. H. 417 Quincy St. (Box 25) South Bend, Wash. Current production.	Crushed stone, riprap	PACIFIC COUNTY Raymond area NE $\frac{1}{4}$ sec. 23, (14-9W)
BEAVERS, C. H. Box 553, Monroe, Wash. Current production at:		
Monroe pit	Sand, gravel	SNOHOMISH COUNTY Sec. 36, (28-6E)
Skykomish River pit.	Sand, gravel	Sec. 14, (27-6E)
BINGEN SAND & GRAVEL CO. Earl Good Box 3, Bingen, Wash. Current production.	Sand, gravel	KLICKITAT COUNTY Bingen area Sec. 29, (3-11E)
BJERKAKER, VERNON Route 3, Arlington, Wash. Current production.	Sand, gravel	SNOHOMISH COUNTY In Arlington E $\frac{1}{2}$ sec. 2, (31-5E)
BLACK RIVER QUARRY, INC. Joseph Romano, Pres. 6808 S. 140th St. Seattle 88, Wash. J. R. Hawk, Mgr. 3213 37th S. Seattle, Wash. Current production. (See also: Black River Quarry, Inc. under Nonmetallic Mining Operations.)	Crushed rock, riprap	KING COUNTY 6808 S. 140th St. Seattle Sec. 14, (23-4E)
BLAKE SAND AND GRAVEL Route 2, Sequim, Wash. Current production.	Gravel	CLALLAM COUNTY Sequim area SW $\frac{1}{4}$ sec. 5, (30-3W)
BORST SAND & GRAVEL Paul Borst, owner Coulee City, Wash. Current production.	Sand, gravel	GRANT COUNTY Coulee City area SW $\frac{1}{4}$ sec. 35, (25-28E)
BRANDT, JOE 702 $\frac{1}{2}$ W. Walnut St. Yakima, Wash. Current production.	Sand	YAKIMA COUNTY Selah area SE $\frac{1}{4}$ sec. 26, (14-18E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
BREWSTER RED-E-MIX CONCRETE CO. Vaughn B. Godbey, owner P. O. Box 505 Brewster, Wash. Current production.	Sand, gravel	OKANOGAN COUNTY Brewster area NW $\frac{1}{4}$ sec. 23, (30-24E)
BUILDERS SAND AND GRAVEL Oskar Wathne and others Route 2, Box 2174-D Edmonds, Wash. Current production.	Sand, gravel	SNOHOMISH COUNTY On Meadowdale Rd.
CADMAN GRAVEL CO. T. W. Magnussen, Pres. Helen Q. Magnussen, Secy. Redmond, Wash. Current production.	Sand, gravel, crushed rock	KING COUNTY Redmond area SW $\frac{1}{4}$ sec. 6, (25-6E)
CAMAS SAND & GRAVEL CO. Max Schmid, owner 345 Wheeler St. Camas, Wash. Current production.	Gravel	CLARK COUNTY Washougal area NW $\frac{1}{4}$ sec. 24, (1-4E)
CARBON BROTHERS QUARRY Pete and Carl Carbon N. 3430 Cook St. Spokane, Wash. Current production. (See also: Carbon Brothers Quarry under Nonmetallic Mining Operations.)	Crushed basalt	SPOKANE COUNTY Spokane area NE. corner of Geiger Field
CASTLE ROCK SAND & GRAVEL CO. Orval Howard Route 1 Castle Rock, Wash. Current production.	Gravel	COWLITZ COUNTY Castle Rock area Sec. 2, (9-2W)
CHELAN CONCRETE CO. Ole Sandum W. Gibson Ave. Chelan, Wash. Current production.	Sand, gravel	CHELAN COUNTY Chelan area SW $\frac{1}{4}$ sec. 12, (27-22E)
CLEARVIEW SAND & GRAVEL CO. Albert, Charles, and Leonard Larson and Wesley Farmer, owners 7407 212th S.W., Edmonds, Wash. Current production.	Sand, gravel	SNOHOMISH COUNTY Near Maltby Sec. 18, (27-6E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
CLOQUALLUM SAND & GRAVEL F. A. Carlstrom Lost Lake Route, Box 2 Elma, Wash. Current production.	Sand, gravel, crushed rock	GRAYS HARBOR COUNTY Elma area NW $\frac{1}{4}$ sec. 30, (18-5W)
COLUMBIA CONCRETE PIPE CO. J. R. Sherman, Pres. A. B. Metcalf, Mgr. Foot of 9th St. Box 427, Wenatchee, Wash. Current production at:		
Columbia pit	Sand, gravel, crushed stone	CHELAN COUNTY NW $\frac{1}{4}$ sec. 22, (23-20E)
Okanogan pit.	Sand, gravel, crushed stone	OKANOGAN COUNTY SE $\frac{1}{4}$ sec. 4, (34-26E)
COLUMBIA SAND & GRAVEL, INC. Frayne L. McAtee, Pres. M. E. Nelson, V. P.-Mgr. Box 1566, Moses Lake, Wash. Current production.	Sand, gravel, crushed rock	GRANT COUNTY Moses Lake area Sec. 5, (19-28E)
COLVILLE VALLEY CONCRETE CO. James R. Dietz and Shelly Boehm, owners 721 S. Pine St. (P. O. Box 343) Colville, Wash. Current production.	Sand, gravel	STEVENS COUNTY SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 10, (35-39E)
CONNELL SAND & GRAVEL Andrew Biorn Box 156, Connell, Wash. Intermittent production.	Sand, gravel	FRANKLIN COUNTY SE $\frac{1}{4}$ sec. 6, (13-33E)
CORLISS, TIM, & SON (See Tim Corliss & Son)		
* COUNTY PITS AND QUARRIES Current production.	Sand, gravel, crushed rock	Various locations throughout the state

* Each of the 39 counties has sand, gravel, and/or crushed rock pits and quarries operated by the County under the supervision of the County Engineer.

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
CUNNINGHAM SAND & GRAVEL CO. Paul Cunningham, owner 6315 N. Cedar St. Spokane 16, Wash. Current production.	Sand	SPOKANE COUNTY Pit at same address
CURTIS GRAVEL CO. Marlin, Wayne, and Glenn Curtis P. O. Box 106, Spokane, Wash. Current production.	Sand, gravel	BENTON COUNTY Richland area NW $\frac{1}{4}$ sec. 15, (9-28E)
DAVIS, WILLIAM E. Castle Rock, Wash. Current production.	Sand, gravel	COWLITZ COUNTY Castle Rock area Cowlitz River
DEE NICKOLS & SONS Route 1, Soap Lake, Wash. Current production.	Sand, gravel, crushed rock	GRANT COUNTY Soap Lake area SW $\frac{1}{4}$ sec. 26, (22-26E)
DIXON, W. N. Battle Ground, Wash. Current production.	Gravel, crushed rock	CLARK COUNTY E. Fork Lewis River NW $\frac{1}{4}$ sec. 19, (4-2E)
S. H. EDINGER GRAVEL CO. S. H. Edinger, owner P. O. Box 283 Kenmore, Wash. Current production.	Sand, gravel, crushed gravel	SNOHOMISH COUNTY Kenmore area SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 35, (27-4E)
EL MONTE READY-MIX, INC. Robert Slettedahl, Pres. Elma, Wash. Current production.	Sand, gravel	GRAYS HARBOR COUNTY Elma area SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 4, (17-6W)
ELLENSBURG CEMENT PRODUCTS, INC. Ivan Hutchinson, Pres. P. O. Box 27 W. 7th, Ellensburg, Wash. Current production.	Sand, gravel	KITTITAS COUNTY Ellensburg area NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 33, (18-18E)
L. D. FAIRFIELD CONSTRUCTION CO. 6606 Highway 99 S. Everett, Wash. Current production.	Sand, gravel	SNOHOMISH COUNTY Everett area Amanda pit

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
GENERAL CONSTRUCTION CO. A. B. McEachern, Pres. 3840 Iowa Ave. P. O. Box 3328 Seattle 14, Wash. Current production at Mats Mats quarry.	Crushed stone, riprap	JEFFERSON COUNTY Port Ludlow area Lots 5, 6, 7, 8, sec. 33, (29-1E)
GLACIER SAND & GRAVEL CO. Henry J. Kaiser, Pres. W. P. Jackson, Oper. Mgr. 5975 E. Marginal Way Seattle 4, Wash. Current production.	Sand, gravel, crushed rock	PIERCE COUNTY Steilacoom area Secs. 20, 29, (20-2E)
GOODMAN, KERMIT Grant and Race Sts. Route 3, Box 248 Port Angeles, Wash. Current production.	Sand, gravel, crushed rock	CLALLAM COUNTY Morse Creek area NW $\frac{1}{4}$ sec. 8, (30-5W)
GRAHAM & MORRIS CONSTRUCTION CO. Toppenish, Wash. Current production.	Sand, gravel	YAKIMA COUNTY Sec. 32, (11-20E)
THE GREEN CO. H. F. Green, G. B. Seebeck, and Len G. Melville, owners 119 N. Post St. Spokane 1, Wash. Current production.	Crushed rock	SPOKANE COUNTY Spokane area Sec. 32, (26-42E)
GREEN'S SAND CO. Bernard Green N. 7618 Smith St. Spokane, Wash. Current production.	Sand	SPOKANE COUNTY Pit at Hillyard and Mead, off Market St.
HAGARA, M. AND SNELL, A. 1107 North E St. Aberdeen, Wash. Current production at: Montesano pit	Sand, gravel	GRAYS HARBOR COUNTY Montesano area NW $\frac{1}{4}$ sec. 2, (17-8W)
Aberdeen pit.	Sand, gravel	Aberdeen area SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16, (17-9W)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
HAGLUND, ALLIE J. P. O. Box 153 East Stanwood, Wash. Current production.	Sand, gravel	SNOHOMISH COUNTY In East Stanwood Sec. 19, (32-4E)
HAMMOND, A. W. Seattle First National Bank Bldg. (P. O. Box 397) South Bend, Wash. Intermittent production at:		
Raymond quarry	Crushed stone, riprap	PACIFIC COUNTY Center sec. 23, (14-9W)
Hoquiam pit.	Sand	GRAYS HARBOR COUNTY NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 7, (17-9W)
HANSON, ROY V. 519 5th Ave. Lewiston, Idaho Current production.	Crushed rock	WHITMAN COUNTY Pullman area SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 9, (14-45E)
THE HARRISON BROTHERS CO. J. A. Harrison, Pres. J. M. Harrison, Vice Pres. 225 Wakefield Dr. Tacoma, Wash. Current production.	Sand, gravel, crushed rock	PIERCE COUNTY Lakeview area NE $\frac{1}{4}$ sec. 1, (19-2E)
HILL TOP GRAVEL CO. V. B. Greeley, owner 2102 19th Ave. S.E. Puyallup, Wash. Current production.	Sand, gravel, crushed gravel	PIERCE COUNTY Puyallup area SW $\frac{1}{4}$ sec. 35, (20-4E)
HOLMES BROTHERS Frank L. Holmes W. 1126 Broadway (Box 1583), Moses Lake, Wash. Richard P. Holmes 2202 Northern Life Tower Seattle 1, Wash. Current production at:		
Gravel pit	Sand, gravel, crushed rock	GRANT COUNTY Moses Lake area NW $\frac{1}{4}$ sec. 11, (19-28E)
Sand pit.	Sand	Moses Lake area SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 25, (19-28E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
HOLROYD CO.		
J. A. Holroyd 5047 S. Washington St. Tacoma 9, Wash. Current production at:		
Tacoma pit	Sand, gravel, crushed gravel	PIERCE COUNTY Pit at 74th and Orchard Grove, South Tacoma
Nisqually pit.	Sand, gravel	THURSTON COUNTY Nisqually area SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 17, (18-1E)
INLAND ASPHALT CO.		
Charles S. Clute, Pres. P. O. Box 4116, Sta. B 10th and Havana Sts. Spokane 31, Wash. Current production.		
	Crushed rock	SPOKANE COUNTY Quarry at same address
ISSAQUAH SAND & GRAVEL		
Irving E. Tibbets Route 1, Box 4490 Issaquah, Wash. Current production.		
	Sand, gravel	KING COUNTY Issaquah area SE $\frac{1}{4}$ sec. 21, (24-6E)
JOHN'S CREEK SAND & GRAVEL		
Norman Anderson, lessee 215 Harvard St. Shelton, Wash. Current production.		
	Sand, gravel	MASON COUNTY Sec. 3, (20-3W)
JONES-SCOTT CO.		
F. L. Jones, Pres. Louis Pifer, Mgr. 10 N. Third St. Walla Walla, Wash. Current production at:		
Walla Walla pit	Sand, gravel	WALLA WALLA COUNTY 13th and Cherry, Walla Walla SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 19, (7-36E)
Attalia pit.	Sand	Attalia area Sec. 10, (7-31E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
KAMPE SAND & GRAVEL CO. N. A. Kampe, owner 1501 W. 8th St. Vancouver, Wash. Current production.	Sand	CLARK COUNTY On W. River Road NE $\frac{1}{4}$ sec. 19, (2-1E)
KANE BROS. CONCRETE PRODUCTS, INC. A. E. Kane, Pres. P. O. Box 1296 Wenatchee, Wash. Current production.	Sand, gravel	CHELAN COUNTY Cashmere area SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 6, (23-19E)
KELLER SAND & GRAVEL C. E. Keller, owner Rt. 2, Grandview, Wash. Intermittent production.	Sand, gravel, crushed stone	YAKIMA COUNTY NE $\frac{1}{4}$ sec. 35, (9-23E)
KENMORE SAND & GRAVEL CO. C. B. Downs P. O. Box 217 Kenmore, Wash. Current production.	Sand, gravel	KING COUNTY Kenmore area At 68th N.E. and N.E. 183rd, Seattle SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 1, (26-5E)
KERBY & SONS Rt. 2, Box 133 Toppenish, Wash. Current production.	Sand, gravel	YAKIMA COUNTY NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 35, (11-20E)
KIRKLAND SAND & GRAVEL CO. Lyle Stubenrauch and D. O. Smith, owners Box 714, Kirkland, Wash. Current production.	Sand, gravel	KING COUNTY At Kirkland NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, (26-5E)
KLINELINE SAND & GRAVEL CO. L. N. Berry, Mgr. Route 7, Box 225 Vancouver, Wash. Current production.	Sand, gravel, crushed gravel	CLARK COUNTY Salmon Creek area SW $\frac{1}{4}$ sec. 26, (3-1E)
KLINKER SAND & GRAVEL CO. J. C. Klinker, Pres. Charles R. Hartman, Secy.-Treas. 6500 W. Marginal Way Seattle 6, Wash. Current production.	Sand, gravel	KING COUNTY Lot 3, Block 1, Melville Barth Addition, Seattle

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
LAKE CITY GRAVEL & MATERIALS, INC. 10728 Bothell Way Seattle 2, Wash. W. F. Herrett, Pres. 1619 E. Lynn Seattle, Wash. Current production.	Gravel, crushed gravel	SNOHOMISH COUNTY Kenmore area Sec. 26, (27-4E)
LAKESIDE GRAVEL CO., INC. Orville E. Gibson, owner Bellevue, Wash. Current production at:		
Bellevue pit	Sand, gravel, crushed gravel	KING COUNTY Bellevue area NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 10, (24-5E)
Issaquah pit.	Sand, gravel, crushed gravel	Issaquah area NW $\frac{1}{4}$ sec. 27, (24-5E)
LANNING, OLIVER Route 2, Box 722-A Poulsbo, Wash. Current production.	Sand, gravel	KITSAP COUNTY Lofall area Sec. 9, (26-1E)
LAYRITE CONCRETE PRODUCTS OF KENNEWICK, INC. R. W. Ross, Pres. Box 206, Kennewick, Wash. Current production.	Sand, gravel	BENTON COUNTY Kennewick area NW $\frac{1}{4}$ sec. 8, (8-30E)
LEVANEN & KARVONEN 5004 N.E. Glenwood Rd. Vancouver, Wash. Current production.	Gravel	CLARK COUNTY Vancouver area NW $\frac{1}{4}$ sec. 11, (2-1E)
LEWISTON PRE-MIX CONCRETE CO. Stanley Lafrenz, Mgr. Box 646, Lewiston, Idaho Current production at:		
Clarkston pit	Sand, gravel	ASOTIN COUNTY Clarkston area SE $\frac{1}{4}$ sec. 28, (11-46E)
Silcott pit.	Gravel	Silcott area Sec. 20, (11-45E)
LIND GRAVEL CO. Russell E. Lind 1530 State St. Bellingham, Wash. Current production.	Sand, gravel, crushed gravel	WHATCOM COUNTY At Bellingham Sec. 24, (38-2E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
LOSEY, REX R. 515 Grade St. Kelso, Wash. Current production.	Gravel	COWLITZ COUNTY On Mt. Brinnion Rd. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, (8-2W)
LOWRY SAND & GRAVEL Jim Lowry, owner Box 241, Dayton, Wash. Current production.	Crushed rock	COLUMBIA COUNTY Near Dayton Sec. 25, (10-38E)
M W LOGGING CO. Martin S. Wirkkala, owner Naselle, Wash. Current production.	Aggregate, crushed rock	PACIFIC COUNTY Near Naselle Center W $\frac{1}{2}$ sec. 3, (10-9W)
MASON MATERIALS CO. W. B. Judah, Jr., Mgr. S. 7th and Park Shelton, Wash. Current production.	Sand, gravel, crushed rock	MASON COUNTY Shelton area Secs. 13, 24, (20-4W)
MATERNE SAND CO. Al. and Val. Materne, owners W. 330 Buckeye Ave. Spokane 17, Wash. Current production.	Sand	SPOKANE COUNTY Pit at Cedar and Francis Sts., Spokane
MATHESON SAND & GRAVEL CO. Harold W. Matheson, owner Box 167, Pasco, Wash. Current production.	Sand, gravel	BENTON COUNTY Near Kennewick Sec. 6, (8-30E)
MEADE SAND & GRAVEL CO. Archie Meade, owner Box 281, Midway, Wash. Current production at Midway pit.	Sand, gravel, crushed rock	KING COUNTY Midway area 24800 Pacific Highway S. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, (22-4E)
MESA CONCRETE, INC. Vernon Reed and Robert Lewis, owners Box 408, Othello, Wash. Current production.	Sand, gravel, crushed rock	ADAMS COUNTY North of Othello
MILES CO. Walter F. Miles, owner P. O. Box 30 12th and "M" St. S.E. Auburn, Wash. Current production.	Sand, gravel	KING COUNTY Auburn area SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19, (21-5E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
MORRISON GRAVEL CO. Route 1, Box 292-E Port Orchard, Wash. Current production.	Sand, gravel	KITSAP COUNTY S. of Port Orchard E $\frac{1}{2}$ sec. 23, (23-1E)
MOUNT VERNON SAND & GRAVEL CO., INC. A. R. Kinney, Mgr. First and Fir Sts. Mount Vernon, Wash. Current production at:		
Little Mountain pit	Sand, gravel	SKAGIT COUNTY Little Mountain area NW $\frac{1}{4}$ sec. 34, (34-4E)
Whidbey pit.	Sand, gravel	ISLAND COUNTY Oak Harbor area NW $\frac{1}{4}$ sec. 26, (33-1E)
MULKA GRAVEL CO. Victor Mulka 805 12th St. Bellingham, Wash. Current production.	Gravel	WHATCOM COUNTY Bellingham area
MUTUAL MATERIALS CO. E. R. Coats, Pres. 1200 8th Ave. S. Seattle 4, Wash. Current production. (See also: Mutual Materials Co. under Nonmetallic Mining Operations.)	Sand	KING COUNTY South Park area SE $\frac{1}{4}$ sec. 31, (24-4E)
NELSON QUARRY James, Robert, and Mrs. Gust Nelson, owners Rt. 5, Box 288 Olympia, Wash. Intermittent production.	Riprap	THURSTON COUNTY Near Tenino SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 31, (17-1W)
NICKOLS, DEE, & SONS (See Dee Nickols & Sons.)		
NORDLUND, ROBERT 506 Warren St. Mount Vernon, Wash. Limited production.	Sand, gravel, crushed gravel and stone	SKAGIT COUNTY Sec. 4, (35-4E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
NORTH SHORE SAND & GRAVEL F. A. Heintze Belfair, Wash. Current production.	Gravel	MASON COUNTY Belfair area Sec. 31, (23-1W)
OLSON SAND & GRAVEL Elmer E. Olson 326 First Ave. S.W. (Box 1201) Ephrata, Wash. Current production at:		
Gravel pit	Sand, gravel	GRANT COUNTY Ephrata area NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 22, (21-26E)
Sand pit.	Sand	Ephrata area SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, (22-26E)
PACIFIC SAND & GRAVEL CO. R. P. Coluccio, Pres. Box 628, Centralia, Wash. Current production at:		
Blakeslee Junction pit	Sand, gravel, crushed stone	LEWIS COUNTY S $\frac{1}{2}$ sec. 31, (15-2W)
Waunchs Prairie pit.	Sand, gravel, crushed stone	S $\frac{1}{2}$ sec. 32, (15-2W)
PETERSON, ROBERT, CONSTRUCTION CO. (See Robert Peterson Construction Co.)		
PIONEER SAND & GRAVEL CO. Gordon N. Scott, Pres. 901 Fairview Ave. N. (P. O. Box 1881) Seattle 11, Wash. George D. Christensen, Gen. Supt. P. O. Box 158 South Tacoma 9, Wash. Current production.	Sand, gravel, crushed gravel	PIERCE COUNTY Steilacoom area Secs. 20, 29, (20-2E)
PORTLAND GRAVEL CO. 6917 N.E. Marine Dr. Portland 13, Oreg. Current production.	Sand	CLARK COUNTY In Columbia River at Ellsworth Sec. 4, (1-2E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
PREMIX CONCRETE, INC. John W. Murphy, Pres. C. W. Noyes, Mgr. N. 110 Washington St. Kennewick, Wash. Current production.	Sand, gravel, crushed rock	BENTON COUNTY Pasco area Sec. 12, (9-28E)
PRYOR, W. S. Star Rt. Coulee Dam, Wash. Current production.	Gravel	OKANOGAN COUNTY Elmer City area Secs. 11, 15, (28-30E)
PUGET SOUND BRIDGE & DREDGING CO. H. W. McCurdy, Pres.-Gen. Mgr. 2929 16th Ave. S.W. Seattle, Wash. Harry L. DuBois, Mgr., Quarry Div. 12020 E. Marginal Way Seattle 88, Wash. Current production at Riverton quarry. (See also: Puget Sound Bridge and Dredging Co. under Nonmetallic Mining Operations.)	Crushed rock, riprap	KING COUNTY Lot 7, Riverside Interurban tract Sec. 9, (23-4E)
PUMICE STONE PRODUCTS, INC. Joe Scholze, owner Leavenworth, Wash. Current production.	Sand, gravel	CHELAN COUNTY Leavenworth area SE $\frac{1}{4}$ sec. 11, (24-17E)
QUIGG BROS. CONSTRUCTION CO. 1500 Riverside Ave. Hoquiam, Wash. Current production at:		
Montesano pit	Sand, gravel	GRAYS HARBOR COUNTY Montesano area Sec. 18, (17-7W) Sec. 13, (17-8W)
Newskah quarry.	Rock	Newskah area W $\frac{1}{2}$ sec. 2, (16-9W)
RATHBUN, ALBERT E. Newport, Wash. Current production.	Sand, gravel	PEND OREILLE COUNTY Newport area Sec. 3, (31-45E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
RICH SAND & GRAVEL Arthur P. and Roy L. Rich Box 1156 Wenatchee, Wash. Current production.	Sand, gravel, crushed rock	DOUGLAS COUNTY Rock Island area Sec. 20, (22-21E)
ROBERT PETERSON CONSTRUCTION CO. Box 227, Port Blakely, Wash. Current production.	Gravel	KITSAP COUNTY Bainbridge Island NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 9, (25-2E)
ROCK PRODUCTS, INC. E. H. Tidland, Pres. Leighton Blake, Mgr. Box 845, Camas, Wash. Plant at 1635 S.E. 6th Ave. Camas, Wash. Current production.	Sand, gravel, crushed rock	CLARK COUNTY In Camas Sec. 12, (1-3E)
ROSS, DON R. Colfax, Wash. Current production.	Sand, gravel	WHITMAN COUNTY Colfax area Center sec. 10, (16-43E)
SCHRIER, R. D. Twisp, Wash. Current production.	Sand, gravel	OKANOGAN COUNTY Twisp district NE $\frac{1}{4}$ sec. 7, (33-22E)
SCRUPPS, J. E. Box 166, Odessa, Wash. Current production at:		
Gravel pit	Gravel	LINCOLN COUNTY Odessa area NE $\frac{1}{4}$ sec. 5, (21-33E)
Sand pit.	Sand	East of Odessa NW $\frac{1}{4}$ sec. 14, (21-33E)
SEARS, PHILIP Rt. 1, Box 84 Mabton, Wash. Intermittent production.	Sand	YAKIMA COUNTY Near Mabton SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 13, (9-22E)
SEQUIM GRAVEL CO. A. M. Sether, owner 204 S. Albert St. Port Angeles, Wash. Current production.	Sand, gravel	CLALLAM COUNTY Sequim area SW $\frac{1}{4}$ sec. 8, (30-3W)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
J. D. SHOTWELL CO. Box 541, Bridgeport, Wash. Current production. (See also: J. D. Shotwell Co. under Metallic Mining Operations.)	Sand, gravel	OKANOGAN COUNTY Bridgeport area NW $\frac{1}{4}$ sec. 10, (29-25E)
SKAGIT SAND & GRAVEL Chris Vike, owner Route 4, Box 272 Mount Vernon, Wash. Current production.	Sand	SKAGIT COUNTY Near Mount Vernon Riverside pit
SMITH BROS. Leslie and Calvin Smith P. O. Box 92 Battle Ground, Wash. Current production.	Sand	CLARK COUNTY Battle Ground area SW $\frac{1}{4}$ sec. 10, (2-2E)
SMITHROCK QUARRY, INC. Howard F. Smith, Pres.-Gen. Mgr. 3807 Fourth Plain Ave. P. O. Box 96 Vancouver, Wash. Current production.	Crushed rock, riprap, jetty rock	CLARK COUNTY Near Fisher Sec. 7, (1-3E)
SNOHOMISH SAND & GRAVEL Arthur F., Jack E., and Donald A. Stobb 4th and Cypress Sts. Snohomish, Wash. Current production.	Sand, gravel	SNOHOMISH COUNTY Pit at same address
THE SOUTH KITSAP GRAVEL CO. Ralph H. Kingsbury, owner Rt. 2, Box 478 Port Orchard, Wash. Current production.	Sand, gravel	KITSAP COUNTY Horseshoe Lake area NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, (22-1E)
SPOKANE SAND & GRAVEL CO. W. F. Drollinger, owner 700 E. Trent Ave. Spokane 2, Wash. Current production.	Sand, gravel	SPOKANE COUNTY Pits at Irvin, Mead, and Riblett
STAR SAND CO. L. J. Gilnet, Supt. Box 894, Longview, Wash. Current production.	Crushed rock	COWLITZ COUNTY Quarry at Mt. Coffin, near Longview

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
STILES, E. H. Rt. 1, Marysville, Wash. Current production.	Sand, gravel	SNOHOMISH COUNTY NE. of Everett NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 11, (29-5E)
STONEWAY SAND & GRAVEL CO. G. E. Hardenbergh, Pres.-Gen. Mgr. L. J. Dowell, Vice Pres.-Treas. Box 509, Renton, Wash. Current production.	Sand, gravel, crushed rock	KING COUNTY Renton pit E $\frac{1}{2}$ sec. 17, (23-5E)
SUMAS FUEL CO. Stephen R. Koehler P. O. Box 645 Sumas, Wash. Current production.	Gravel	WHATCOM COUNTY Nooksack area NW $\frac{1}{4}$ sec. 21, (40-4E)
SUPERIOR CONCRETE PRODUCTS L. L. Buchanan, owner 115 W. "D" St. Yakima, Wash. Current production.	Sand, gravel, crushed rock	YAKIMA COUNTY Yakima area Sec. 20, (13-19E) Pit at 2000 E. Beech
SUTTER'S GRAVEL Louis Sutter R.F.D. 1, Box 4491 Issaquah, Wash. Current production.	Gravel	KING COUNTY Issaquah area SE $\frac{1}{4}$ sec. 21, (24-6E)
SWANO EXCAVATING CO. South end of Lewis St. Box 432, Aberdeen, Wash. Current production.	Sand, gravel	GRAYS HARBOR COUNTY Aberdeen area SW $\frac{1}{4}$ sec. 15, (17-9W)
L. C. SWARTZ CONCRETE PRODUCTS L. C. Swartz, owner 35 Swartz Rd. Ephrata, Wash. Current production. (See also: L. C. Swartz Concrete Products under Nonmetallic Mining Operations.)	Sand, gravel	GRANT COUNTY Ephrata area SW $\frac{1}{4}$ sec. 15, (21-26E)
TEEL BROS. CONTRACTORS Carl Teel Rt. 2, Box 894B Bremerton, Wash. Current production at:		
Bremerton pit	Gravel	KITSAP COUNTY Bremerton area SE $\frac{1}{4}$ sec. 16, (24-1E)

(continued on following page)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
TEEL BROS. CONTRACTORS (continued from preceding page)		
Kitsap Lake pit.	Gravel	KITSAP COUNTY Kitsap Lk. area SE $\frac{1}{4}$ sec. 17, (24-1E)
THOMPSON, JOHN Rt. 1, River Bend Farm Granger, Wash. Intermittent production.	Sand, gravel	YAKIMA COUNTY Granger area E $\frac{1}{2}$ sec. 17, (10-21E)
THORNTON, CHARLES Bridgeport, Wash. Current production.	Sand, gravel, crushed rock	DOUGLAS COUNTY Bridgeport area E $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 35, (29-25E)
TIM CORLISS & SON Rt. 1, Box 139 Summer, Wash. Current production.	Sand, gravel, crushed rock	PIERCE COUNTY Summer area SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 20, (20-5E)
TOBIN SAND & GRAVEL Francis J. Tobin, owner 3201 Lincoln Ave. Yakima, Wash. Current production.	Sand, gravel	YAKIMA COUNTY Parker area E $\frac{1}{2}$ sec. 20, (12-19E)
TOUGAW & OLSON E. R. Olson, Pres. S. O. Tougaw, Secy. Robert Olson, Treas. 1501 Wells St. (Box 247) Enumclaw, Wash. Current production.	Sand, gravel	KING COUNTY Enumclaw area SW $\frac{1}{4}$ sec. 20, (20-7E)
TWIN CITY SAND & GRAVEL CO. Arthur B. Plummer, Pres.-Mgr. Box 8, Centralia, Wash. Current production.	Sand, gravel, crushed gravel	LEWIS COUNTY Plummer Lake area NE $\frac{1}{4}$ sec. 7, (14-2W)
UNION SAND & GRAVEL CO. W. M. Murphy, John Murphy, and H. D. Sullivan, partners N. 805 Division St. Spokane 1, Wash. Current production at:		
Fort George Wright (No. 1) pit	Sand, gravel, crushed stone	SPOKANE COUNTY On Government Way
Yardley (No. 2) pit.	Sand, gravel, crushed stone	At Broadway and Havana

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
VALLEY CEMENT CO. E. J. Auve, Pres.-Gen. Mgr. 7 E. "I" St. (P. O. Box 1602) Yakima, Wash. Current production.	Sand, gravel, crushed rock	YAKIMA COUNTY Yakima area N. 16th Ave. at Naches River
VALLEY READY-MIX CONCRETE CO. L. R. Drollinger and sons, owners 717 11th Ave. Sunnyside, Wash., or W. Main St. Grandview, Wash. Current production.	Sand, gravel, crushed rock	YAKIMA COUNTY Sunnyside area Sec. 8, (9-22E)
VALLEY SAND AND GRAVEL, INC. Kenneth Nystrom, Pres. Joe Harwood, Vice Pres. 10140 S. 356th Auburn, Wash. Current production.	Sand, gravel, crushed rock	KING COUNTY Auburn area NW $\frac{1}{4}$ sec. 29, (21-5E)
WASHINGTON STATE Department of Highways Current production.	Sand, gravel, crushed rock	Various locations throughout the state
WESTERN SAND & GRAVEL CO. Paul Smith, owner Route 1, Box 476 Kent, Wash. Current production.	Sand, gravel, crushed rock	KING COUNTY Maple Valley area NE $\frac{1}{4}$ sec. 16, (22-6E)
WESTON SAND & GRAVEL CO. Lyle Weston, Pres. Box 603 4th and Ainsworth Sts. Pasco, Wash. Current production.	Sand, gravel	FRANKLIN COUNTY 4th & Ainsworth Sts. Pasco
WESTSIDE GRAVEL CO. John L. Ball, owner 1107 S. 10th Yakima, Wash. Current production.	Sand, gravel, crushed rock	YAKIMA COUNTY Yakima area Naches Highway and Franklin Ave. Sec. 13, (13-18E)
WHATCOM BUILDERS SUPPLY CO. Thomas Nash, owner Route 1, Ferndale, Wash. Current production.	Sand, gravel	WHATCOM COUNTY Lynden area SE $\frac{1}{4}$ sec. 22, (40-2E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
C. V. WILDER CO. 2006 State St. Bellingham, Wash. Current production at:		
Bellingham pit	Sand, gravel, crushed rock	WHATCOM COUNTY Bellingham area SE $\frac{1}{4}$ sec. 19, SW $\frac{1}{4}$ sec. 20, (39-3E)
Chuckanut quarry.	Riprap	SKAGIT COUNTY Blanchard area Sec. 16, (36-3E)
WILLAPA HARBOR QUARRIES, INC. A. Milne, Pres. 819 Ocean Ave. Raymond, Wash. Current production at:		
Raymond quarry	Crushed rock	PACIFIC COUNTY N $\frac{1}{2}$ sec. 27, (14-9W)
South Bend quarry.	Crushed rock	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 32, (14-9W)
WINTERS, DALE Elma, Wash. Current production.	Sand, gravel	GRAYS HARBOR COUNTY Elma area NW $\frac{1}{4}$ sec. 4, (17-6W)
WOODLAND SAND & GRAVEL Harry Taylor, owner Box 312, Woodland, Wash. Current production.	Sand, gravel	COWLITZ COUNTY Woodland area N $\frac{1}{2}$ sec. 10, (5-1E)
YAKIMA CEMENT PRODUCTS CO. J. R. Sherman, Pres.-Gen. Mgr. 1202 S. First St. (P. O. Box 436) Yakima, Wash. Current production at:		
Grandview gravel pit	Sand, gravel	YAKIMA COUNTY NW $\frac{1}{4}$ sec. 34, (9-23E)
Grandview sand pit	Sand	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 20, (19-23E)
Yakima pit.	Sand, gravel, crushed gravel	SE $\frac{1}{4}$ sec. 31, (14-19E)

PROPERTY INDEX

<u>Name</u>	<u>Page</u>
A. B. clay pit see Washington Brick & Lime Co.	33
Aberdeen pit see Hagara, M. and Snell, A.	41
Admiral mine 	6
Alcorn pit see Adderson, J. G.	17
Alder mine see Alder Gold-Copper Co.	6
Amazon mine see Chewelah Copper Co.	8
Attalia pit see Jones-Scott Co.	43
B & K mine 	18
Baring granite quarry see Hemphill Brothers, Inc.	22
Bear Creek mine 	7
Bear River limestone see Columbia River Lime Co.	20
Beaver Falls 	7
Bellevue pit see Lakeside Gravel Co., Inc.	45
Bellingham coal mine see Bellingham Coal Mines Co.	18
Bellingham pit see C. V. Wilder Co.	55
Big Dome mine see Big Dome Mining Co., Inc.	8
Black Prince mine see Black Prince Coal Co.	18
Black River quarry see Black River Quarry, Inc.	18, 37
Blakeslee Junction pit see Pacific Sand & Gravel Co.	48
Bluebird mine 	8
Bonanza mine see Bonanza Lead	8
Booher marl pit see Washington Natural Products Co.	34
Boundary mine see Border Lord Mining Co.	8
Boundary Red Mountain mine see Gold Basin Mining and Development Co..	10
Bremerton pit see Teel Bros. Contractors	52
Brennan clay pit see The Olympic Portland Cement Co., Ltd.	28
Camp Union quarry see Teel Bros. Contractors	32
Carbon Brothers quarry 	19, 38
Chewelah silica-sand pit see Manufacturers Mineral Co.	24
Chinook mine see Hidden Treasure Mines, Inc.	11
Chuckanut quarry see C. V. Wilder Co.	55
Clarkston pit see Lewiston Pre-Mix Concrete Co.	45
Clay City clay pit see Builder's Brick Co.	19
Clayton clay pit see Washington Brick & Lime Co.	33
Clear Lake quarry see Northwest Talc & Magnesium Co.	26
Columbia pit see Columbia Concrete Pipe Co.	39
Concrete clay pit see Superior Portland Cement, Inc.	32
Concrete limestone quarry see Superior Portland Cement, Inc.	32
Crescent mine 	9

<u>Name</u>	<u>Page</u>
Deep Creek mine see The Goldfield Consolidated Mines Co.	11
Deer Trail mine see Alpine Uranium Corp.	7
Denison silica deposit see Pacific Silica Co.	28
Dosser prospect see Maki, Dosser, Lotz group under Grandview Mines ..	11
Eagle Peak Copper mine	9
Edna mine see Carr Brothers	8
Electric Point mine	10
Fort George Wright (No. 1) pit see Union Sand & Gravel Co.	53
Franklin mine see Palmer Coking Coal Co., Inc.	28
Freeman clay pit see Washington Brick & Lime Co.	33
Germania mine see Penticton Tungsten Mines, Ltd.	14
Gladstone mine	10
Gold Dollar claim see Knob Hill Mines, Inc.	12
Gold King mine see Lovitt Mining Co., Inc.	13
Grandview mine See American Zinc, Lead & Smelting Co. and Grandview Mines	7, 11
Grandview pit see Yakima Cement Products Co.	55
Green Mountain quarry see Bremerton Monument Co.	19
Grotto clay pit see Northwestern Portland Cement Co.	27
Gubser mine see Sunny Peak Mining Co.	16
Hammer Bluff silica-sand deposit see Smith Bros. Silica Sand Co. ...	31
Harris clay mine see Gladding, McBean & Co.	21
Hartbauer property see Grandview Mines	11
Holden mine see Howe Sound Co.	11
Hole in the Ground quarry	22
Hoo Hoo claim see Copper Canyon Mines	9
Hoquiam pit see Hammond, A. W.	42
Index granite quarry see Manufacturers Mineral Co.	24
Indian Creek prospect see Indian Creek Mercury Mines, Inc.	12
Iowa mine	12
Issaquah pit see Lakeside Gravel Co., Inc.	45
Jim Creek mine see Jim Creek Mines, Inc.	12
Johnsburg mine see Kaess Mining Co.	12
Johnson mine see Adderson, J. G.	17

<u>Name</u>	<u>Page</u>
Keeth mine see Germania Consolidated Mines, Inc.	10
Kelly Camp mine	12
Kendall limestone quarry see The Olympic Portland Cement Co., Ltd. .	28
Kitsap Lake pit see Teel Bros. Contractors	53
Knob Hill mine see Knob Hill Mines, Inc.	12
Kromona mine see Kromona Mines Corp.	13
Lake Ten quarry see Morcrop Lime Co.	25
Landsburg mine see Palmer Coking Coal Co., Inc.	28
Latshaw silica deposit see Pacific Silica Co.	28
Lead King mine	13
Lead Trust mine	13
Little Chief mine see Ruby Silver Mines, Inc.	15
Little King Tungsten mine	13
Little Mountain pit see Mount Vernon Sand & Gravel Co., Inc.	47
Longshot mine see Pioneer Mining Co.	14
Lotz prospect see Maki, Dosser, Lotz group under Grandview Mines ..	11
Lovitt mine see Lovitt Mining Co., Inc.	13
Lucky Strike property see Cle Elum River Mining Co., Inc.	9
Madsen pit see Manufacturers Mineral Co.	24
Maki prospect see Maki, Dosser, Lotz group under Grandview Mines ..	11
Maple Falls limestone quarry see Mitchell Bay Lime Co.	25
Marble limestone quarry see Ideal Cement Co.	23
Mason clay pit see Washington Brick & Lime Co.	33
Mats Mats quarry see General Construction Co.	41
McGraw-Kittinger limestone deposit see Everett Lime Co.	20
Metaline Falls limestone quarry see Lehigh Portland Cement Co.	24
Mica clay pit see Gladding, McBean & Co. and Washington Brick & Lime Co.	22,33
Midway pit see Meade Sand & Gravel Co.	46
Mine No. 3 see Northwestern Improvement Co.	27
Mine No. 9 see Northwestern Improvement Co.	27
Mohawk mine see Conconully Mines, Inc.	9
Monroe pit see Beavers, C. H.	37
Montesano pit see Hagara, M. and Snell, A., also Quigg Bros. Construction Co.	41,49
Morris granite quarry see Keene & Son	23
Mount Shuksan quarry see Houplin, J. E. and Wenatchee Stone Co.	22,34
Napoleon quarry see Ideal Cement Co.	12,23
Nelson quarry	47
Newcastle clay pit see Gladding, McBean & Co.	21
Newcastle mine see B & R Coal Co.	18
Newskah quarry see Quigg Bros. Construction Co.	49
Nisqually pit see Holroyd Co.	43
Nugget property see Nugget Properties, Inc.	14

<u>Name</u>	<u>Page</u>
Okanogan pit see Columbia Concrete Pipe Co.	39
Olson clay pit see Washington Brick & Lime Co.	33
Ophir group	14
Paddock limestone quarry see Morcrop Lime Co.	25
Palmer clay pit see Gladding, McBean & Co.	21
Peacock mine see Conconully Mines, Inc.	9
Pend Oreille mine see Pend Oreille Mines & Metals Co.	14
Pickwick property see Phantom Creek Copper, Inc.	14
Rainbow soapstone quarry see Scheel Olivine, Inc.	30
Raymond quarry see Hammond, A. W.	42
Raymond quarry see Willipa Harbor Quarries, Inc.	55
Red Marble quarry see Northwest Magnesite Co.	26
Red Mountain mine see Gold Basin Mining and Development Co.	10
Red Rock quarry	29
Renton clay pit see Gladding, McBean & Co.	22
Riverside dolomite quarry see Brown, N. W. L.	19
Riverton quarry see Puget Sound Bridge & Dredging Co.	29, 49
Roche Harbor quarry see Roche Harbor Lime & Cement Co.	29
Rocky Creek mine	15
Scandia mine see Scandia Mining Group	15
Seattle clay pit see Builder's Brick Co.	19
Sentinel Mountain pumicite pit see Superior Portland Cement, Inc. ...	32
Sheet Rock quarry see Mount Adams Sheet Rock Quarry	25
Shuksan quarry see Houplin, J. E. and Wenatchee Stone Co.	22, 34
Silcott pit see Lewiston Pre-Mix Concrete Co.	45
Silica Hill deposit see Pacific Silica Co.	28
Silver Mountain mine see Silver Mountain Mining Co., Inc.	15
Skagit Talc mine see Skagit Talc Products	31
Skamania mine	15
Skykomish River pit see Beavers, C. H.	37
Smithrock quarry see Smithrock Quarry, Inc.	51
Soda Springs limestone quarry see Northwestern Portland Cement Co. ..	27
South Bend quarry see Willipa Harbor Quarries, Inc.	55
Spokane mine see Monterey Mining & Milling Co.	13
State Lease see Beaver Falls	7
Sunnyslope pit see Teel Bros. Contractors	32
Sunset mine	16
Tacoma pit see Holroyd Co.	43
Talisman mine see Spokane Mining Syndicate, Inc.	15
Three "S" Gulch property see Alexander Mining Co.	6
Tiano clay pit see Pirello Bros.	29
Togo mine see Alpine Uranium Corp.	7
Tono mine see Stoker Coal Mining Co.	31
Turk mine see Alpine Uranium Corp.	7
Twin Sisters olivine quarry see Scheel Olivine, Inc.	30

<u>Name</u>	<u>Page</u>
United Copper mine see Chewelah Copper Co.	8
Valley dolomite quarry see Manufacturers Mineral Co.	24
Van Stone mine see American Smelting & Refining Co.	7
Vera pit see Sommer, A. M.	31
Walla Walla pit see Jones-Scott Co.	43
Washington Metals mine see Addy Development Co.	6
Waunchs Prairie pit see Pacific Sand & Gravel Co.	48
Wenatchee quarry see Wenatchee Stone Co.	34
Whidbey pit see Mount Vernon Sand & Gravel Co., Inc.	47
Wilkeson quarry see Walker Cut Stone Co., Inc.	33
Wilson talc quarry see Northwest Talc & Magnesium Co.	26
Yakima pit see Yakima Cement Products Co.	55
Yardley (No. 2) pit see Union Sand & Gravel Co.	53
Yellow Jacket claim see Copper Canyon Mines	9

METALLIC PRODUCT INDEX

Abbreviations used:

Ag - silver	Cu - copper	Mn - manganese	Sb - antimony
Au - gold	Fe - iron	Mo - molybdenum	U - uranium
Cr - chromium	Hg - mercury	Pb - lead	W - tungsten
			Zn - zinc

<u>Products</u>	<u>Operations</u>	<u>Page</u>
	Addy Development Co.	6
	Admiral mine	6
Au, Ag, Cu	Alder Gold-Copper Co.	6
	Alexander Mining Co.	6
Ag, Cu	Alpine Uranium Corp.	7
	American Smelting & Refining Co.	7
Ag	American Zinc, Lead & Smelting Co.	7
	Bear Creek Mines	7
	Beaver Falls (State Lease)	7
Cu	Big Dome Mining Co., Inc.	8
Au	Blake, Fred	8
Au	Blalock Island Mining Co.	8
Au, Ag, Cu	Bluebird mine	8
Ag	Bonanza Lead	8
	Border Lord Mining Co.	8
Ag, Cu	Carr Brothers	8
Ag, Cu	Chewelah Copper Co.	8
Au, Ag	Cle Elum River Mining Co., Inc.	9
Cu	Consolidated Mines & Smelting Co., Ltd.	9
Cu	Copper Canyon Mines	9
	Crescent mine	9
Au	Eagle Peak Copper Mining Co.	9
	Electric Point mine	10
	Germania Consolidated Mines, Inc.	10
Au, Ag, Cu	Glacier Mining Co.	10
	Gladstone mine	10
Au	Gold Basin Mining and Development Co.	10
Au	Gold Bond Mining Co.	10
Au	Gold Mountain Mining Co.	10
Ag	The Goldfield Consolidated Mines Co.	11
	Hartbauer property	11
Au, Ag, Cu	Hidden Treasure Mines, Inc.	11
Au, Ag, Cu	Howe Sound Co.	11
	Ideal Cement Co.	12

(continued)

Products	Operations	Page
	Indian Creek Mercury Mines, Inc.	12
	Iowa mine	12
Au,Ag,Cu	Jim Creek Mines, Inc.	12
Ag Pb,Zn	Kaess Mining Co.	12
Ag Pb	Kelly Camp mine	12
	Knob Hill Mines, Inc.	12
Au,Ag	Kromona Mines Corp.	13
Au,Ag,Cu	La Sota, F. P. and Jones, E. P.	13
Pb,Zn	Lead King mine	13
Pb	Lead Trust mine	13
Pb	Little King Tungsten mine	13
	Lovitt Mining Co., Inc.	13
Au,Ag	Maki, Dossler, Lotz group	11
	Midnight Mines, Inc.	13
	Mohawk mine	9
Ag	Monterey Mining & Milling Co.	13
Au,Ag Pb	Nugget Properties, Inc.	14
Au	Ophir group	14
Au,Ag Pb,Zn	Peacock mine	9
Ag,Cu,Pb,Zn	Pend Oreille Mines & Metals Co.	14
Ag Pb,Zn	Penticton Tungsten Mines, Ltd.	14
	Phantom Creek Copper, Inc.	14
Au,Ag,Cu	Pioneer Mining Co.	14
Ag Pb,Zn,W	Rocky Creek group	15
Au,Ag Pb	Ruby Silver Mines, Inc.	15
Ag	Scandia Mining group	15
	J. D. Shotwell Co.	15
Au	Silver Mountain Mining Co., Inc.	15
Au,Ag Pb,Zn	Skamania mine	15
Cu	Spokane Mining Syndicate, Inc.	15
Ag,Cu Zn,W	Sunny Peak Mining Co.	16
Ag,Cu,Pb	Sunset mine	16
Au,Ag,Cu	Tree Top Mining Co.	16
Ag Pb	Twin Sisters Magnesium and Chrome Corporation ...	16
	Western States Copper Corp.	16

NONMETALLIC PRODUCT INDEX

	<u>Page</u>		<u>Page</u>
BARITE		COAL, continued	
Manufacturers Mineral Co.	24	Black Prince Coal Co.	18
CARBON DIOXIDE		Carbonado Coal Co.	19
Gas-Ice Corp.	21	Draghi, Louis	20
CLAY AND CLAY PRODUCTS		Johnson Coal Co.	23
Abrahamson Brick Co.	17	Monarch Coal Processing Co. ...	25
Adderson, J. G.	17	Northwestern Improvement Co. ..	27
Brown, Gordon J.	19	Palmer Coking Coal Co., Inc. ..	28
Builder's Brick Co.	19	Roslyn-Cascade Coal Co.	30
Chehalis Brick & Tile Co.	20	Stoker Coal Mining Co.	31
Gladding, McBean & Co.	21, 22	J. A. Terteling & Sons, Inc. ..	32
Granger Clay Products Co.	22	DIATOMITE	
Hidden Brick Co.	22	Kenite Corp.	23
Lowell Brick & Tile Co.	24	Western Ventures, Inc.	35
Northwest Brick & Tile, Inc.	26	DOLOMITE	
Northwestern Portland Cement Co.	27	Brown, N. W. L.	19
The Olympic Portland Cement Co., Ltd.	28	Manufacturers Mineral Co.	24
Pirello Bros.	29	EPSOM SALTS	
Ridgefield Brick & Tile Co.	29	Agro Minerals, Inc.	17
Seattle Brick & Tile Co., Inc. ...	30	GYPSITE	
Sommer, A. M.	31	Agro Minerals, Inc.	17
Stillwell, J. B.	31	LIME	
Superior Portland Cement, Inc. .	32	Roche Harbor Lime & Cement Co..	29
Washington Brick & Lime Co.	33		
Washington Pottery Co.	34		
Wenatchee Brick & Tile Co.	34		
Wilde Co.	35		
COAL			
B & R Coal Co.	18		
Bellingham Coal Mines Co.	18		

(continued)

	<u>Page</u>		<u>Page</u>
LIMESTONE		PEAT	
Columbia River Lime Co.	20	Arbor Lake Humus Co.	17
Everett Lime Co.	20	Argus Super Humus	17
Ideal Cement Co.	23	Arrow Lake Humus Co.	17
Lehigh Portland Cement Co.	24	Bassett's Gro-Earth	18
Miller Lime Co.	25	Black Gold Humus	18
Mitchell Bay Lime Co.	25	Bow Lake Humus Co.	19
Morcrop Lime Co.	25	Carlson, Eric E.	20
Northwestern Portland Cement Co.	27	Federal Way Humus Co.	21
The Olympic Portland Cement Co., Ltd.	28	Fircrest Peat Co.	21
Peter Janni & Sons	28	Fuller Soils	21
Roche Harbor Lime & Cement Co. .	29	Hord, R. S.	22
Superior Portland Cement, Inc. .	32	McKay, Thomas A.	24
		Morrison, Harry A.	25
		Mount View Humus Co.	26
		Mountain Lake Peat Moss Co. ...	26
		Organic Plant Foods Supply	28
		Plant Food Co.	29
		Seola Humus Co.	30
		Setzer, Max	30
		Sharp, J. Arnold	30
		Teel Bros. Contractors	32
		Weaver's Products	34
MAGNESITE			
Northwest Magnesite Co.	26		
MARL			
Washington Natural Products Co..	34		
MINERAL WATER			
Garland Mineral Springs	21		
Moffett's Hot Springs	25		
Ohanapecosh Hot Springs	27		
Olympic Hot Springs	27		
St. Martin's Mineral Hot Springs	30		
Soap Lake	31		
Sol Duc Hot Springs	31		
MOLDING SAND			
Cavanaugh Moulding Sand Co.	20		
Manufacturers Mineral Co.	24		
Wilde Co.	35		
OLIVINE			
Scheel Olivine, Inc.	30		
Twin Sisters Magnesium and Chrome Corporation	33		
		PORTLAND CEMENT	
		Ideal Cement Co.	23
		Lehigh Portland Cement Co.	24
		Northwestern Portland Cement Co.	27
		The Olympic Portland Cement Co., Ltd.	28
		Superior Portland Cement, Inc..	32
		PUMICE	
		B & K mine	18
		Sorlie, Arne	31
		L. C. Swartz Concrete Products.	32
		PUMICITE	
		Superior Portland Cement, Inc..	32

(continued)

	<u>Page</u>		<u>Page</u>
SAND-LIME BRICK		STONE, continued	
Mutual Materials Co.	26	The Draft Thulite and Dimension Stone Works	20
Washington Brick & Lime Co.	33	Empire Granite Co.	20
SHALE		Hemphill Brothers, Inc.	22
Ideal Cement Co.	23	Hicks, C. B.	22
Lehigh Portland Cement Co.	24	Hole in the Ground Quarry	22
SILICA AND SILICA SAND		Houplin, J. E.	22
Lehigh Portland Cement Co.	24	Keene & Son	23
Manufacturers Mineral Co.	24	Manufacturers Mineral Co.	24
Pacific Silica Co.	28	Morcrop Lime Co.	25
Smith Bros. Silica Sand Co.	31	Mount Adams Sheet Rock Quarry .	25
SOAPSTONE AND TALC		Puget Sound Bridge & Dredging Co.	29
Northwest Talc & Magnesium Co. .	26	Red Rock Quarry	29
Scheel Olivine, Inc.	30	Ribbon Cliff Granite Co.	29
Skagit Talc Products	31	Scheel Olivine, Inc.	30
STONE		Teel Bros. Contractors	32
Black River Quarry, Inc.	18	Walker Cut Stone Co., Inc.	33
Bremerton Monument Co.	19	Washington Green Sandstone, Inc.	33
Carbon Brothers Quarry	19	Waterman-Symington Slate Co. ..	34
		Wenatchee Stone Co.	34
		TERRAZZO CHIPS	
		Manufacturers Mineral Co.	24
		Peter Janni & Sons	28
		Washington Non-Metallics, Inc..	34

 COUNTY INDEX

Abbreviations used:

Ag - silver	Cu - copper	Mn - manganese	Sb - antimony
Au - gold	Fe - iron	Mo - molybdenum	U - uranium
Cr - chromium	Hg - mercury	Pb - lead	W - tungsten
			Zn - zinc

A D A M S C O U N T Y

<u>City</u>	<u>Sand and Gravel Operation</u>	<u>Page</u>
Othello	Mesa Concrete, Inc.	46

A S O T I N C O U N T Y

<u>City</u>	<u>Sand and Gravel Operations</u>	
Clarkston	Lewiston Pre-Mix Concrete Co.	45
Silcott	Lewiston Pre-Mix Concrete Co.	45

B E N T O N C O U N T Y

<u>Product</u>	<u>Metallic Operations</u>	
Au	Blake, Fred	8
Au	Blalock Island Mining Co.	8

<u>City</u>	<u>Sand and Gravel Operations</u>	
Kennewick	Layrite Concrete Products of Kennewick, Inc.	45
"	Matheson Sand & Gravel Co.	46
"	Premix Concrete, Inc.	49
Richland	Curtis Gravel Co.	40

C H E L A N C O U N T Y

<u>Products</u>	<u>Metallic Operations</u>	
Au	Gold Bond Mining Co.	10
Au	Gold Mountain Mining Co.	10
Au, Ag, Cu Zn	Howe Sound Co.	11
Au, Ag	Lovitt Mining Co., Inc.	13
Au, Ag, Cu	Phantom Creek Copper, Inc.	14

CHELAN COUNTY
(continued)

<u>Product</u>	<u>Nonmetallic Operations</u>	<u>Page</u>
Clay products	Wenatchee Brick & Tile Co.	34
Limestone	Northwestern Portland Cement Co.	27
Pumice	B & K mine	18
"	Sorlie, Arne	31
Stone	Ribbon Cliff Granite Co.	29
"	Wenatchee Stone Co.	34
<u>City</u>	<u>Sand and Gravel Operations</u>	
Cashmere	Kane Bros. Concrete Products, Inc.	44
Chelan	Chelan Concrete Co.	38
Leavenworth	Pumice Stone Products, Inc.	49
Wenatchee	Columbia Concrete Pipe Co.	39

CLALLAM COUNTY

<u>Product</u>	<u>Metallic Operations</u>	
Mn	Bear Creek Mines	7
Mn	Beaver Falls	7
Mn	Crescent mine	9

<u>Product</u>	<u>Nonmetallic Operations</u>	
Mineral water	Olympic Hot Springs	27
"	Sol Duc Hot Springs	31

<u>City</u>	<u>Sand and Gravel Operations</u>	
Port Angeles	Goodman, Kermit	41
Sequim	Blake Sand and Gravel	37
"	Sequim Gravel Co.	50

CLARK COUNTY

<u>Product</u>	<u>Nonmetallic Operations</u>	
Clay and clay products	Hidden Brick Co.	22
"	Ridgefield Brick & Tile Co.	29
"	Wilde Co.	35
Molding sand	Wilde Co.	35
Stone	Red Rock Quarry	29

CLARK COUNTY
(continued)

<u>City</u>	<u>Sand and Gravel Operations</u>	<u>Page</u>
Battle Ground	Dixon, W. N.	40
"	Smith Bros.	51
Camas	Rock Products, Inc.	50
Ellsworth	Portland Gravel Co.	48
Fisher	Smithrock Quarry, Inc.	51
Vancouver	B-D Sand & Gravel Co.	36
"	Kampe Sand & Gravel Co.	44
"	Klineline Sand & Gravel	44
"	Levanen & Karvonen	45
Washougal	Camas Sand & Gravel Co.	38

COLUMBIA COUNTY

<u>City</u>	<u>Sand and Gravel Operation</u>	
Dayton	Lowry Sand & Gravel	46

COWLITZ COUNTY

<u>City</u>	<u>Sand and Gravel Operations</u>	
Castle Rock	Castle Rock Sand & Gravel Co.	38
"	Davis, William E.	40
Kelso	Losey, Rex R.	46
Longview	Star Sand Co.	51
Woodland	Woodland Sand & Gravel	55

DOUGLAS COUNTY

<u>City</u>	<u>Sand and Gravel Operations</u>	
Bridgeport	Thornton, Charles	53
East Wenatchee	Batterman's Quality Sand & Gravel	36
Rock Island	Rich Sand & Gravel	50

FERRY COUNTY

<u>Products</u>	<u>Metallic Operations</u>	
Cu Mo	Consolidated Mines and Smelting Co., Ltd.	9
W	Kelly Camp mine	12
Au,Ag	Knob Hill Mines, Inc.	12
Au,Ag Pb,Zn	Ophir group	14
Ag,Cu Zn,W	Spokane Mining Syndicate, Inc.	15

FRANKLIN COUNTY

<u>City</u>	<u>Sand and Gravel Operations</u>	<u>Page</u>
Connell	Connell Sand & Gravel	39
Pasco	Weston Sand & Gravel Co.	54

GRANT COUNTY

<u>Product</u>	<u>Nonmetallic Operations</u>	
Diatomite	Kenite Corp.	23
Mineral water	Soap Lake	31
Pumice	L. C. Swartz Concrete Products	32
Pumicite	Superior Portland Cement, Inc.	32

<u>City</u>	<u>Sand and Gravel Operations</u>	
Coulee City	Borst Sand & Gravel	37
Ephrata	Olson Sand & Gravel	48
"	L. C. Swartz Concrete Products	52
Moses Lake	Columbia Sand & Gravel, Inc.	39
"	Holmes Bros.	42
Soap Lake	Dee Nickols & Sons	40

GRAYS HARBOR COUNTY

<u>City</u>	<u>Sand and Gravel Operations</u>	
Aberdeen	Hagara, M. and Snell, A.	41
"	Swano Excavating Co.	52
Elma	Cloquallum Sand & Gravel	39
"	El Monte Ready-Mix, Inc.	40
"	Winters, Dale	55
Hoquiam	Hammond, A. W.	42
Montesano	Hagara, M. and Snell, A.	41
"	Quigg Bros. Construction Co.	49
Newskah area	Quigg Bros. Construction Co.	49

ISLAND COUNTY

<u>City</u>	<u>Sand and Gravel Operation</u>	
Oak Harbor	Mount Vernon Sand & Gravel Co., Inc.	47

JEFFERSON COUNTY

<u>City</u>	<u>Sand and Gravel Operation</u>	
Port Ludlow area	General Construction Co.	41

K I N G C O U N T Y

<u>Products</u>	<u>Metallic Operations</u>	<u>Page</u>
Pb, Zn	Alexander Mining Co.	6
Au, Ag, Cu	Western States Copper Corp.	16
<u>Product</u>	<u>Nonmetallic Operations</u>	
Clay and	Abrahamson Brick Co.	17
clay products	Adderson, J. G.	17
"	Builder's Brick Co.	19
"	Gladding, McBean & Co.	21, 22
"	Northwestern Portland Cement Co.	27
"	Seattle Brick & Tile Co., Inc.	30
"	Stillwell, J. B.	31
"	Superior Portland Cement, Inc.	32
"	Washington Pottery Co.	34
Coal	B & R Coal Co.	18
"	Draghi, Louis	20
"	Johnson Coal Co.	23
"	Palmer Coking Coal Co., Inc.	28
"	J. A. Terteling & Sons, Inc.	32
Molding sand	Cavanaugh Moulding Sand Co.	20
Peat	Arbor Lake Humus Co.	17
"	Argus Super Humus	17
"	Arrow Lake Humus Co.	17
"	Black Gold Humus	18
"	Bow Lake Humus Co.	19
"	Carlson, Eric E.	20
"	Federal Way Humus Co.	21
"	Fuller Soils	21
"	Hord, R. S.	22
"	Mount View Humus Co.	26
"	Plant Food Co.	29
"	Seola Humus Co.	30
"	Setzer, Max	30
"	Weaver's Products	34
Portland cement	Northwestern Portland Cement Co.	27
"	Superior Portland Cement, Inc.	32
Sand-lime brick	Mutual Materials Co.	26
Silica sand	Smith Bros. Silica Sand Co.	31
Stone	Black River Quarry, Inc.	18
"	Hemphill Brothers, Inc.	22
"	Puget Sound Bridge & Dredging Co.	29
<u>City</u>	<u>Sand and Gravel Operations</u>	
Auburn	Miles Co.	46
"	Valley Sand and Gravel, Inc.	54
Bellevue	Lakeside Gravel Co., Inc.	45
Enumclaw	Tougaw & Olson	53
Issaquah	Issaquah Sand & Gravel	43
"	Lakeside Gravel Co., Inc.	45
"	Sutter's Gravel	52

K I N G C O U N T Y
(continued)

<u>City</u>	<u>Sand and Gravel Operations (cont.)</u>	<u>Page</u>
Kenmore	Kenmore Sand & Gravel Co.	44
Kirkland	Kirkland Sand & Gravel Co.	44
Maple Valley	Western Sand & Gravel Co.	54
Midway	Meade Sand & Gravel Co.	46
Redmond	Cadman Gravel Co.	38
Renton	Stoneway Sand & Gravel Co.	52
Seattle	Black River Quarry, Inc.	37
"	Klinker Sand & Gravel Co.	44
"	Mutual Materials Co.	47
"	Puget Sound Bridge & Dredging Co.	49

K I T S A P C O U N T Y

<u>Product</u>	<u>Nonmetallic Operations</u>	
Stone	Bremerton Monument Co.	19
"	Teel Bros. Contractors	32
Peat	Organic Plant Foods Supply	28
"	Teel Bros. Contractors	32

<u>City</u>	<u>Sand and Gravel Operations</u>	
Bremerton	Ace Paving Co.	36
"	Teel Bros. Contractors	52
Port Blakely	Robert Peterson Construction Co.	50
Port Orchard	Morrison Gravel Co.	47
"	The South Kitsap Gravel Co.	51
Poulsbo	Lanning, Oliver	45

K I T T I T A S C O U N T Y

<u>Products</u>	<u>Metallic Operations</u>	
Cu	Big Dome Mining Co., Inc.	8
Au, Ag Pb, Zn	Cle Elum River Mining Co., Inc.	9
Au	Nugget Properties, Inc.	14

<u>Product</u>	<u>Nonmetallic Operations</u>	
Coal	Northwestern Improvement Co.	27
"	Roslyn-Cascade Coal Co.	30
Diatomite	Western Ventures, Inc.	35
Stone	Washington Green Sandstone, Inc.	33

<u>City</u>	<u>Sand and Gravel Operation</u>	
Ellensburg	Ellensburg Cement Products, Inc.	40

K L I C K I T A T C O U N T Y

<u>Product</u>	<u>Nonmetallic Operation</u>	<u>Page</u>
Carbon dioxide	Gas-Ice Corp.	21

<u>City</u>	<u>Sand and Gravel Operation</u>	
Bingen	Bingen Sand & Gravel Co.	37

L E W I S C O U N T Y

<u>Products</u>	<u>Metallic Operation</u>	
Au Cu	Eagle Peak Copper Mining Co.	9

<u>Product</u>	<u>Nonmetallic Operations</u>	
Clay products	Brown, Gordon J.	19
"	Chehalis Brick & Tile Co.	20
Coal	Black Prince Coal Co.	18
Mineral water	Ohanapecosh Hot Springs	27

<u>City</u>	<u>Sand and Gravel Operations</u>	
Centralia	Pacific Sand & Gravel Co.	48
"	Twin City Sand & Gravel Co.	53

L I N C O L N C O U N T Y

<u>City</u>	<u>Sand and Gravel Operation</u>	
Odessa	Scrapps, J. E.	50

M A S O N C O U N T Y

<u>City</u>	<u>Sand and Gravel Operations</u>	
Belfair	North Shore Sand & Gravel	48
Shelton	John's Creek Sand & Gravel	43
"	Mason Materials Co.	46

O K A N O G A N C O U N T Y

<u>Products</u>	<u>Metallic Operations</u>	
Au Cu Zn	Alder Gold-Copper Co.	6
	Border Lord Mining Co.	8
Ag	Mohawk mine	9
Au,Ag Pb	Monterey Mining & Milling Co.	13
Ag,Cu,Pb,Zn	Peacock mine	9
Ag	Ruby Silver Mines, Inc.	15
Au	J. D. Shotwell Co.	15
Au,Ag Pb,Zn	Silver Mountain Mining Co., Inc.	15
Ag,Cu,Pb	Sunny Peak Mining Co.	16

OKANOGAN COUNTY
(continued)

<u>Product</u>	<u>Nonmetallic Operations</u>	<u>Page</u>
Dolomite	Brown, N. W. L.	19
Epsom salts	Agro Minerals, Inc.	17
Gypsite	Agro Minerals, Inc.	17
Marl	Washington Natural Products Co.	34
Peat	Mountain Lake Peat Moss Co.	26
Stone	The Draft Thulite and Dimension Stone Works	20

<u>City</u>	<u>Sand and Gravel Operations</u>	
Brewster	Brewster Red-E-Mix Concrete Co.	38
Bridgeport	J. D. Shotwell Co.	51
Elmer City	Pryor, W. S.	49
Okanogan	Columbia Concrete Pipe Co.	39
Twisp	Schrier, R. D.	50

PACIFIC COUNTY

<u>Product</u>	<u>Nonmetallic Operation</u>	
Limestone	Columbia River Lime Co.	20

<u>City</u>	<u>Sand and Gravel Operations</u>	
Naselle	M W Logging Co.	46
Raymond	Beaty, A. H.	37
"	Hammond, A. W.	42
"	Willapa Harbor Quarries, Inc.	55
South Bend	Willapa Harbor Quarries, Inc.	55

PEND OREILLE COUNTY

<u>Products</u>	<u>Metallic Operations</u>	
Ag Pb, Zn	American Zinc, Lead & Smelting Co.	7
Ag Pb, Zn	Jim Creek Mines, Inc.	12
Pb, Zn	La Sota, F. P. and Jones, E. P.	13
Ag Pb, Zn	Pend Oreille Mines & Metals Co.	14
Au, Ag Pb	Rocky Creek group	15

<u>Product</u>	<u>Nonmetallic Operations</u>	
Limestone	Lehigh Portland Cement Co.	24
Portland cement	Lehigh Portland Cement Co.	24
Shale	Lehigh Portland Cement Co.	24
Silica	Lehigh Portland Cement Co.	24

<u>City</u>	<u>Sand and Gravel Operation</u>	
Newport	Rathbun, Albert E.	49

P I E R C E C O U N T Y

<u>Product</u>	<u>Nonmetallic Operations</u>	<u>Page</u>
Clay	Builder's Brick Co.	19
Coal	Carbonado Coal Co.	19
Peat	McKay, Thomas A.	24
Stone	Hicks, C. B.	22
"	Walker Cut Stone Co., Inc.	33
<u>City</u>	<u>Sand and Gravel Operations</u>	
Lakeview	The Harrison Brothers Co.	42
Puyallup	Hill Top Gravel Co.	42
Steilacoom	Glacier Sand & Gravel Co.	41
"	Pioneer Sand & Gravel Co.	48
Summer	Tim Corliss & Son	53
Tacoma	Holroyd Co.	43

S A N J U A N C O U N T Y

<u>Product</u>	<u>Nonmetallic Operations</u>	
Lime	Roche Harbor Lime & Cement Co.	29
Limestone	Everett Lime Co.	20
"	Roche Harbor Lime & Cement Co.	29

S K A G I T C O U N T Y

<u>Products</u>	<u>Metallic Operations</u>	
Ag Pb	Kaess Mining Co.	12
Cr	Twin Sisters Magnesium and Chrome Corporation	16

<u>Product</u>	<u>Nonmetallic Operations</u>	
Clay and clay products	Northwest Brick & Tile, Inc.	26
Limestone	Superior Portland Cement, Inc.	32
Olivine	Superior Portland Cement, Inc.	32
"	Scheel Olivine, Inc.	30
"	Twin Sisters Magnesium and Chrome Corporation	33
Portland cement	Superior Portland Cement, Inc.	32
Soapstone and talc	Northwest Talc & Magnesium Co.	26
"	Scheel Olivine, Inc.	30
"	Skagit Talc Products	31
Stone	Morcrop Lime Co.	25
"	Scheel Olivine, Inc.	30

<u>City</u>	<u>Sand and Gravel Operations</u>	
Blanchard	C. V. Wilder Co.	55
Mount Vernon	Mount Vernon Sand & Gravel Co., Inc.	47
"	Nordlund, Robert	47
"	Skagit Sand & Gravel	51

SKAMANIA COUNTY

<u>Product</u>	<u>Metallic Operations</u>	<u>Page</u>
Cu	Copper Canyon Mines	9
Cu	Skamania mine	15

<u>Product</u>	<u>Nonmetallic Operations</u>	
Mineral water	Moffett's Hot Springs	25
"	St. Martin's Mineral Hot Springs	30

SNOHOMISH COUNTY

<u>Products</u>	<u>Metallic Operations</u>	
Au,Ag,Cu	Iowa mine	12
Au,Ag,Cu Mo,W	Kromona Mines Corp.	13
Au,Ag,Cu	Sunset mine	16

<u>Product</u>	<u>Nonmetallic Operations</u>	
Clay products	Lowell Brick & Tile Co.	24
Limestone	Miller Lime Co.	25
"	Morcrop Lime Co.	25
Mineral water	Garland Mineral Springs	21
Peat	Bassett's Gro-Earth	18
Stone	Manufacturers Mineral Co.	24

<u>City</u>	<u>Sand and Gravel Operations</u>	
Arlington	Arlington Sand & Gravel Co.	36
"	Bjerkaker, Vernon	37
East Stanwood	Haglund, Allie J.	42
Edmonds	Builders Sand & Gravel	38
Everett	Associated Sand & Gravel Co.	36
"	L. D. Fairfield Construction Co.	40
"	Stiles, E. H.	52
Kenmore	S. H. Edinger Gravel Co.	40
"	Lake City Gravel & Materials, Inc.	45
Maltby	Clearview Sand & Gravel Co.	38
Monroe	Beavers, C. H.	37
Snohomish	Snohomish Sand & Gravel	51

SPOKANE COUNTY

<u>Product</u>	<u>Nonmetallic Operations</u>	
Clay and clay products	Gladding, McBean & Co.	22
"	Pirello Bros.	29
"	Sommer, A. M.	31
"	Washington Brick & Lime Co.	33

S P O K A N E C O U N T Y
(continued)

<u>Product</u>	<u>Nonmetallic Operations (cont.)</u>	<u>Page</u>
Peat	Morrison, Harry A.	25
Sand-lime brick	Washington Brick & Lime Co.	33
Silica	Pacific Silica Co.	28
Stone	Carbon Brothers Quarry	19
"	Empire Granite Co.	20
"	Keene & Son	23
<u>City</u>	<u>Sand and Gravel Operations</u>	
Spokane	Ace Sand & Gravel Co., Inc.	36
"	Acme Sand & Gravel Co.	36
"	Carbon Brothers Quarry	38
"	Cunningham Sand & Gravel Co.	40
"	The Green Co.	41
"	Green's Sand Co.	41
"	Inland Asphalt Co.	43
"	Materne Sand Co.	46
"	Spokane Sand & Gravel Co.	51
"	Union Sand & Gravel Co.	53

S T E V E N S C O U N T Y

<u>Products</u>	<u>Metallic Operations</u>	
	Addy Development Co.	6
	Admiral mine	6
	Alpine Uranium Corp.	7
	American Smelting & Refining Co.	7
	Bluebird mine	8
	Bonanza Lead	8
	Carr Brothers	8
	Chewelah Copper Co.	8
	Electric Point mine	10
	Germania Consolidated Mines, Inc.	10
	Gladstone mine	10
	The Goldfield Consolidated Mines Co.	11
	Hartbauer property	11
	Ideal Cement Co.	12
	Lead King mine	13
	Lead Trust mine	13
	Little King Tungsten mine	13
	Maki, Dosser, Lotz group	11
	Midnight Mines, Inc.	13
	Penticton Tungsten Mines, Ltd.	14
	Pioneer Mining Co.	14
	Scandia Mining Group	15
	Tree Top Mining Co.	16

STEVENS COUNTY
(continued)

<u>Product</u>	<u>Nonmetallic Operations</u>	<u>Page</u>
Barite	Manufacturers Mineral Co.	24
Clay and clay products	Washington Brick & Lime Co.	33
Dolomite	Manufacturers Mineral Co.	24
Limestone	Ideal Cement Co.	23
"	Peter Janni & Sons	28
Magnesite	Northwest Magnesite Co.	26
Molding sand	Manufacturers Mineral Co.	24
Portland cement	Ideal Cement Co.	23
Shale	Ideal Cement Co.	23
Silica sand	Manufacturers Mineral Co.	24
Stone	Waterman-Symington Slate Co.	34
Terrazzo chips	Manufacturers Mineral Co.	24
"	Peter Janni & Sons	28
"	Washington Non-Metallics, Inc.	34
<u>City</u>	<u>Sand and Gravel Operation</u>	
Colville	Colville Valley Concrete Co.	39

THURSTON COUNTY

<u>Product</u>	<u>Nonmetallic Operations</u>	
Coal	Monarch Coal Processing Co.	25
"	Stoker Coal Mining Co.	31
Peat	Fircrest Peat Co.	21
"	Sharp, J. Arnold	30
<u>City</u>	<u>Sand and Gravel Operations</u>	
Nisqually area	Holroyd Co.	43
Olympia	Nelson Quarry	47

WALLA WALLA COUNTY

<u>City</u>	<u>Sand and Gravel Operations</u>	
Attalia	Jones-Scott Co.	43
Walla Walla	Jones-Scott Co.	43

WHATCOM COUNTY

<u>Products</u>	<u>Metallic Operations</u>	
Au,Ag,Cu	Glacier Mining Co.	10
Au	Gold Basin Mining and Development Co.	10

WHATCOM COUNTY
(continued)

<u>Product</u>	<u>Nonmetallic Operations</u>	<u>Page</u>
Clay	The Olympic Portland Cement Co., Ltd.	28
Coal	Bellingham Coal Mines Co.	18
Limestone	Mitchell Bay Lime Co.	25
"	The Olympic Portland Cement Co., Ltd.	28
Portland cement	The Olympic Portland Cement Co., Ltd.	28
Stone	Houplin, J. E.	22
"	Wenatchee Stone Co.	34
<u>City</u>	<u>Sand and Gravel Operations</u>	
Bellingham	Lind Gravel Co.	45
"	Mulka Gravel Co.	47
"	C. V. Wilder Co.	55
Lynden	Whatcom Builders Supply Co.	54
Sumas	Sumas Fuel Co.	52

WHITMAN COUNTY

<u>Product</u>	<u>Nonmetallic Operation</u>	
Stone	Hole in the Ground Quarry	22
<u>City</u>	<u>Sand and Gravel Operations</u>	
Colfax	Ross, Don R.	50
Pullman	Hanson, Roy V.	42

YAKIMA COUNTY

<u>Products</u>	<u>Metallic Operations</u>	
Au, Ag, Cu	Hidden Treasure Mines, Inc.	11
Hg	Indian Creek Mercury Mines, Inc.	12
<u>Product</u>	<u>Nonmetallic Operations</u>	
Clay and clay products	Granger Clay Products Co.	22
Stone	Mount Adams Sheet Rock Quarry	25
<u>City</u>	<u>Sand and Gravel Operations</u>	
Grandview	Keller Sand & Gravel	44
"	Yakima Cement Products Co.	55
Granger	Thompson, John	53
Mabton	Sears, Philip	50
Parker	Tobin Sand & Gravel	53
Selah	Brandt, Joe	37
Sunnyside	Valley Ready-Mix Concrete Co.	54

YAKIMA COUNTY
(continued)

<u>City</u>	<u>Sand and Gravel Operations (cont.)</u>	<u>Page</u>
Toppenish	Graham & Morris Construction Co.	41
"	Kerby & Sons	44
Yakima	Superior Concrete Products	52
"	Valley Cement Co.	54
"	Westside Gravel Co.	54
"	Yakima Cement Products Co.	55

SOME RECENT PUBLICATIONS OF THE DIVISION OF MINES AND GEOLOGY

- Division of Mines and Geology Report of Investigations No. 16 - Origin and occurrence of gem stones in Washington, by Sheldon L. Glover. 1949. 32 pp. 25¢.
- Division of Mines and Geology Bulletin 38 - The place of steam-electric generating stations in the orderly program of electric power development in the Pacific Northwest, by Holland H. Houston. 1950. 117 pp. 1 pl. 50¢.
- Division of Mines and Geology Bulletin 39 - Antimony occurrences of Washington, by C. Phillips Purdy, Jr. 1951. 186 pp. \$1.00.
- Division of Mines and Geology Bulletin 40 - Geology of the Bead Lake district, Pend Oreille County, Washington, by Melvin C. Schroeder. 1952. 57 pp. 7 pls. 75¢.
- Division of Mines and Geology Information Circular No. 21 - 1953 Directory of Washington mining operations, by C. Phillips Purdy, Jr. 1953. 81 pp. Free.
- Division of Mines and Geology Information Circular No. 22 - Introduction to Washington geology and resources, by Charles D. Campbell. 1953. 42 pp. 5 pls. Free.
- Division of Mines and Geology Bulletin 41 - An outline of mining laws of the State of Washington, compiled and annotated by Morton H. Van Nuys, Mining Lawyer, Seattle. 1953. 142 pp. 50¢.
- Division of Mines and Geology Report of Investigations No. 18 - Molybdenum occurrences of Washington, by C. Phillips Purdy, Jr. 1955. 50¢.

The complete list of publications of the Division of Mines and Geology and its predecessor agencies may be obtained free upon request to the Department of Conservation and Development, Room 404 Transportation Bldg., Olympia, Washington. Orders for the above listed publications may be sent to the same address, and should be accompanied either by cash or by money order or check made payable to the Department of Conservation and Development.

