

State of Washington

Department of Natural Resources

BERT L. COLE, Commissioner of Public Lands

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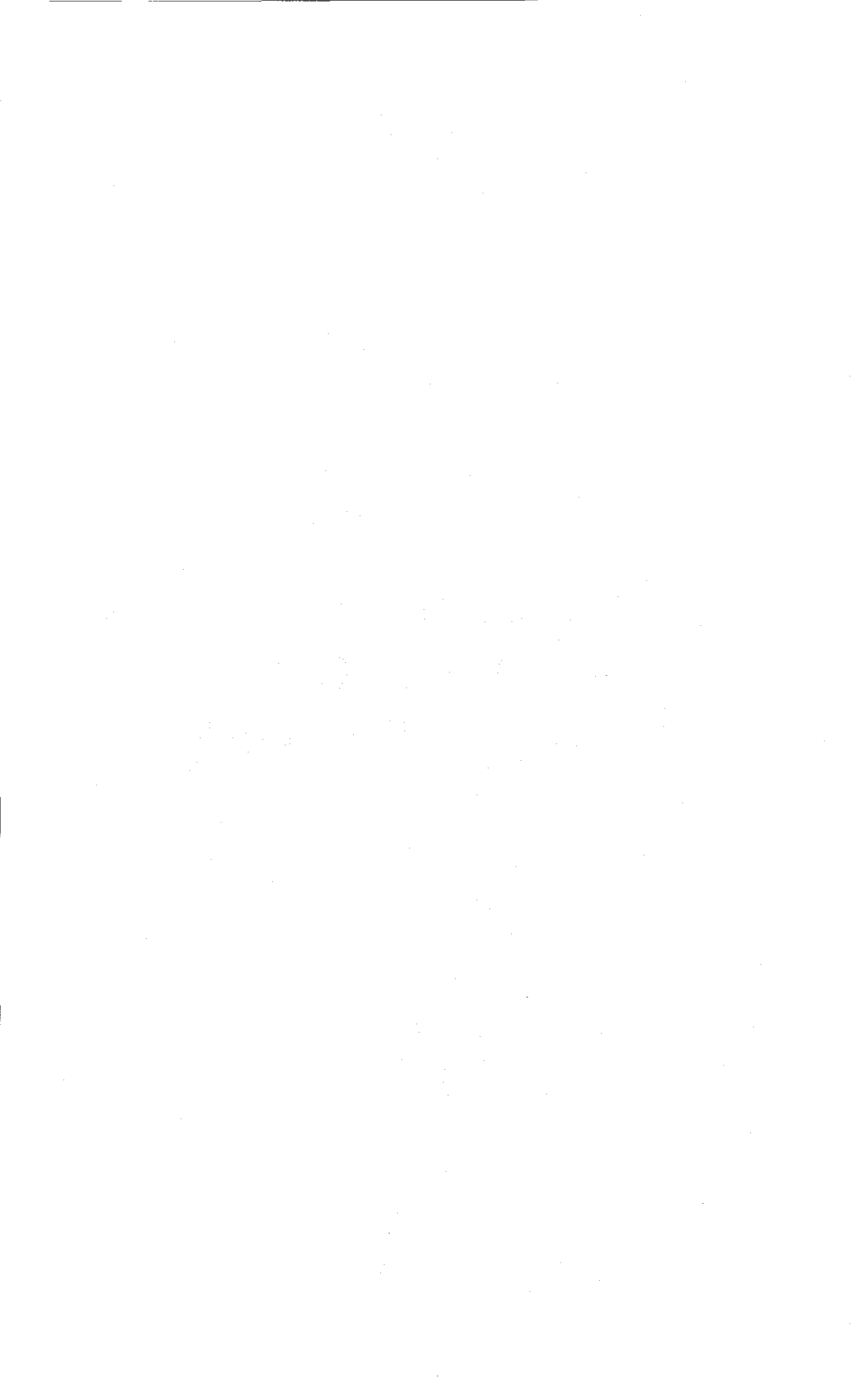
DIVISION OF MINES AND GEOLOGY

MARSHALL T. HUNTTING, Supervisor

Information Circular No. 46

DIRECTORY OF
WASHINGTON
MINING OPERATIONS
1969-70





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 or exploration 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 known commercial producers, as distinct from State, County, and railroad pits and 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 used mostly for road-building purposes. That used for riprap, breakwaters, and dimension, architectural, and landscape stone is listed in the nonmetallic section of this report.

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.

Marshall T. Huntting, Supervisor
Division of Mines and Geology
Olympia, Washington

January 1971

The first part of the report deals with the general situation of the country and the progress of the work done during the year. It is followed by a detailed account of the work done in each of the various departments. The report concludes with a summary of the work done and a statement of the progress made.

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Wm. L. ...
 Secretary

100

CONTENTS

	<u>Page</u>
Foreword	3
Introduction: Arrangement and use of the directory	7
Statistics of Washington mineral production	11
Metallic mining operations	13
Nonmetallic mining operations	25
Sand and gravel operations	41
Property index	66
Metallic product index	70
Nonmetallic product index	72
County index	74
Identification of samples	87
Selected publications of the Division of Mines and Geology	88

ILLUSTRATIONS

Index map of currently active metallic properties	8
Index map of currently active nonmetallic properties	10
Mineral production by county (1969)	12

DIRECTORY OF WASHINGTON MINING OPERATIONS, 1969-70

By Wayne S. Moen

INTRODUCTION

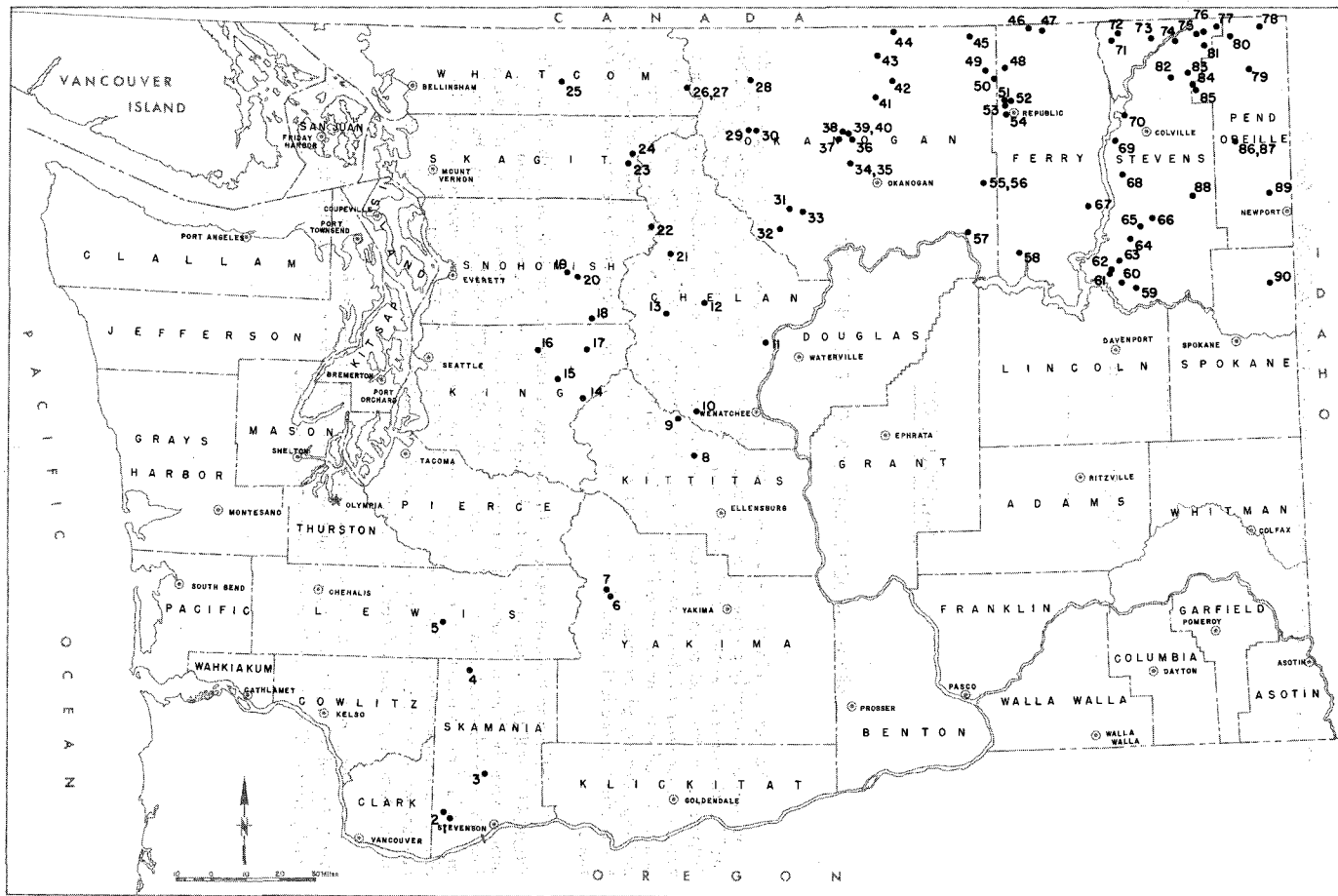
ARRANGEMENT AND USE OF THE DIRECTORY

The active mining operations of the State are arranged in three categories: those producing or currently preparing to produce METALLIC minerals; those producing NON-METALLIC minerals exclusive of sand and gravel, and those producing SAND AND GRAVEL. 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, plant capacity or production if available, the current status of activity, the product or products, 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.

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, and base.

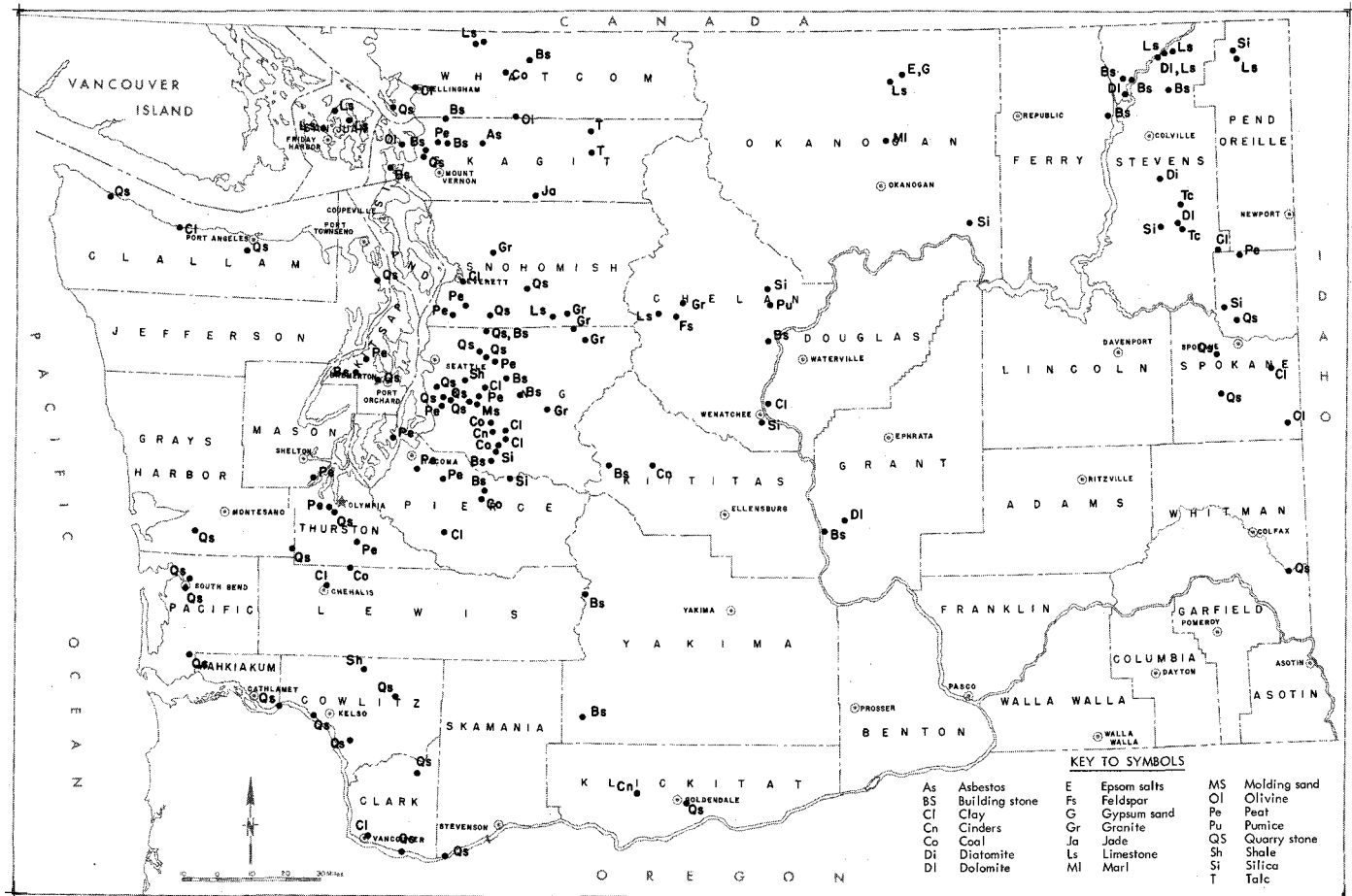
ACTIVE METALLIC PROPERTIES, 1969-1970



KEY TO ACTIVE METALLIC PROPERTIES

- | | | | |
|------------------------------|------------------------------|-------------------------------|--------------------------|
| 1. Maybee | 24. Diamond | 47. Walla Walla | 70. Bluebird |
| 2. Miners Queen | 25. Dead Goat | 48. Kelly | 71. Copper Find |
| 3. Wind River | 26. Golden Arrow | 49. Bodie | 72. Big Iron |
| 4. Sampson | 27. New Light | 50. Phil Sheridan | 73. Hubbard |
| 5. Fern Hill | 28. Billy Goat | 51. Burbank | 74. Casteel |
| 6. Little Giant | 29. Lesley | 52. Knob Hill | 75. Admiral Consolidated |
| 7. Red Spur | 30. Montana | 53. Morning Glory - El Caliph | 76. Iroquois |
| 8. Williams Creek Fraction | 31. Bales | 54. Flag Hill | 77. Myeerah |
| 9. Stafford Creek | 32. Antimony Queen | 55. Wasco | 78. Lead Hill |
| 10. Caldo | 33. Minnie | 56. Ramore | 79. Noisy Creek |
| 11. Rex (Rogers) | 34. Sonny Boy | 57. Little Chief - Apache | 80. Pend Oreille |
| 12. Three F | 35. Hughes | 58. Mount Tolman | 81. Gladstone |
| 13. Cle Elum Iron | 36. Bonnie Bess | 59. Solar Nuclear | 82. Van Stone |
| 14. Condor (Clipper) | 37. Mineral Hill | 60. Midnite | 83. Copper King |
| 15. Quartz Creek | 38. Lone Star | 61. Orazada | 84. Morning |
| 16. Weyerhaeuser | 39. Gubser | 62. Silver Star | 85. La Sota |
| 17. Mono | 40. Mohawk | 63. Deer Trail | 86. Silver King |
| 18. Copper Knob | 41. Starr | 64. Cleveland | 87. Silver Crescent |
| 19. Sunrise | 42. Lucky Knock | 65. Wells Fargo | 88. Chewelah Silver |
| 20. Mackinaw | 43. Ivanhoe | 66. Edna | 89. Minex Corp. |
| 21. Red Mountain (Royal) | 44. Kelsey | 67. Romulus | 90. Curtin |
| 22. Miners Ridge | 45. Buckhorn | 68. Daisy | |
| 23. Spaulding - Silver Queen | 46. Lone Star and Washington | 69. Eagle - Newport | |

ACTIVE NONMETALLIC PROPERTIES, 1969-1970



KEY TO SYMBOLS

As	Asbestos	E	Epsom salts	MS	Molding sand
BS	Building stone	Fs	Feldspar	OI	Olivine
Cl	Clay	G	Gypsum sand	Pe	Peat
Cn	Cinders	Gr	Granite	Fu	Pumice
Co	Coal	Ja	Jade	QS	Quarry stone
DI	Diatomite	Ls	Limestone	Sh	Shale
DI	Dolomite	Ml	Marl	Si	Silica
				T	Talc

WASHINGTON MINERAL PRODUCTION (a)

Product	1969		1970	
	Quantity	Value	Quantity	Value
Cement -----	-----	\$22,928,000	-----	\$23,034,000
Clay (b)----- short tons	230,000	434,000	213,000	421,000
Coal----- do ---	58,000	480,000	65,000	600,000
Copper ----- do ---	18	17,000	w	w
Lead ----- do ---	8,649	2,577,000	w	w
Peat ----- do ---	32,684	134,000	15,544	83,000
Sand and gravel and stone ---- do ---	49,987,000	52,115,000	48,000,000	51,000,000
Zinc ----- do ---	9,738	2,843,000	w	w
Undistributed (c) -----	-----	6,948,000	-----	17,381,000
Total value		\$88,626,000		\$92,669,000 (p)

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

(b) Incomplete total, fire clay included under "Undistributed."

(c) Diatomite, gold, gypsum, lime, mercury, olivine, pumice, silver, and talc.

(p) Preliminary figures.

(w) Withheld to avoid disclosing individual company confidential data.

Washington's mineral production in 1970, as reported by the United States Bureau of Mines, was \$92.67 million. When compared to 1969 production, this represents an increase of \$4 million. The increase was due mainly to increased production in gold, silver, zinc, and uranium. Slight gains were made in the production of olivine, cement, and coal; however, the production of clays, peat, sand and gravel, and stone declined.

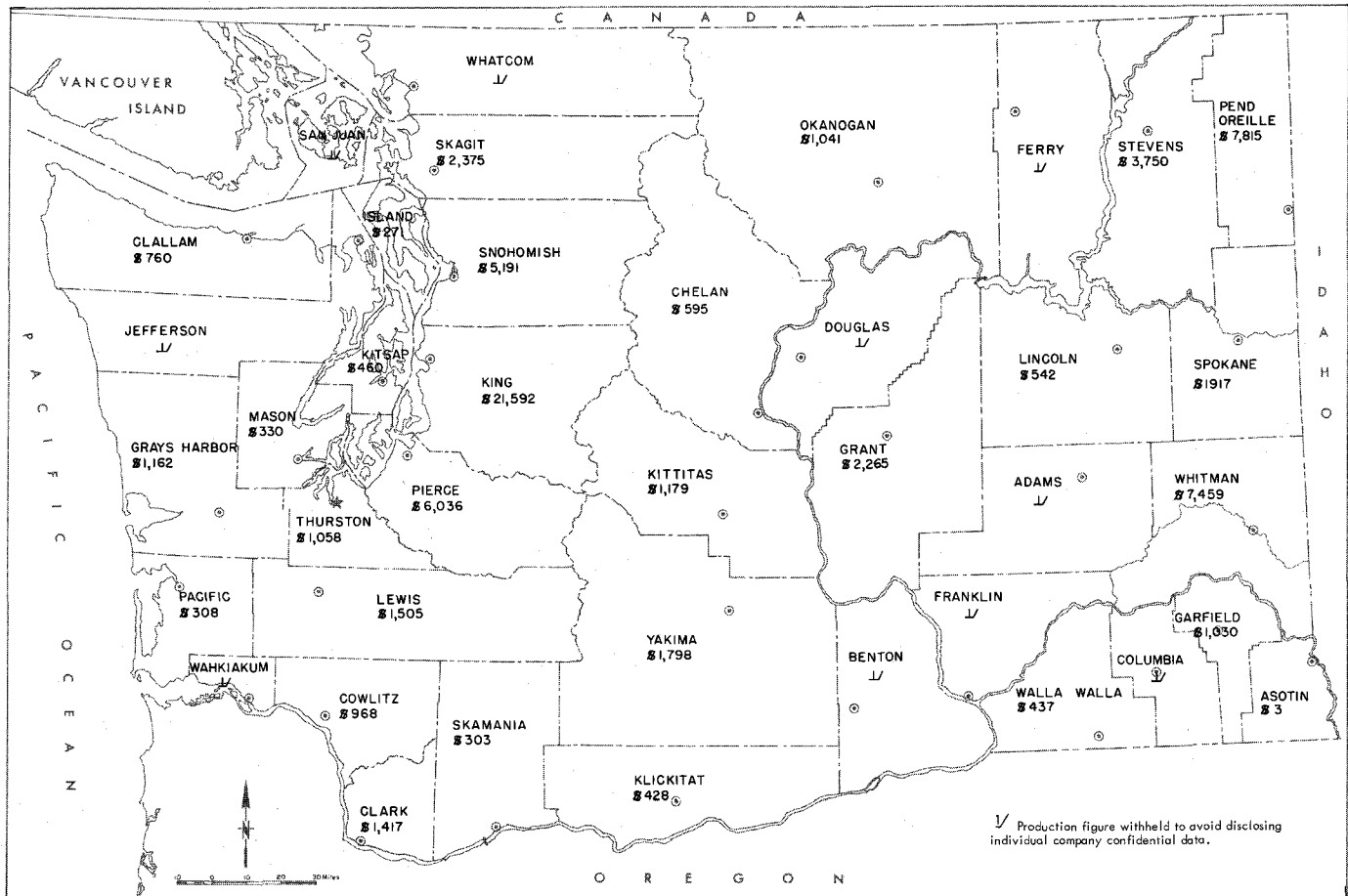
Compared with that of other northwestern states, the mineral production of Washington in 1970 ranked ahead of Oregon (\$58.2 million) and behind Idaho (\$116.5 million), Montana (\$309.8 million), and Alaska (\$299.4 million).

Twenty of the nation's major mining firms now have exploration offices in Spokane and are actively exploring for copper, molybdenum, lead, zinc, gold, and silver in the Northwest. Several Canadian mining companies with offices in Vancouver B. C. are also engaged in the exploration of Washington's mineral deposits.

During 1969 and 1970, 83 mining companies and (or) individuals explored, developed, or mined 92 metallic mineral deposits in the State. One hundred and 10 operators produced nonmetallic minerals from 138 pits and quarries, whereas 185 sand and gravel operators mined sand and gravel from 236 pits. Although 91 metallic mineral properties were active, the major production of metallic minerals was confined to only four mines. The Knob Hill mine in Ferry County is the State's major gold producer; the Pend Oreille mine in Pend Oreille County and the Van Stone mine in Stevens County produced about all of the State's lead and zinc; and the Midnite mine in Stevens County is the State's only uranium producer.

Mining operations at the Van Stone mine were suspended in December 1970. The mine has been operated by American Smelting and Refining Company since 1950 and has been one of the major producers of zinc and lead in the United States. In January 1970, Dawn Mining Company resumed the production of uranium oxide at the company's mill at Ford. Uranium ore for the mill comes from the Midnite mine on the Spokane Indian Reservation.

MINERAL PRODUCTION BY COUNTY, 1969
(THOUSAND DOLLARS)



∟ Production figure withheld to avoid disclosing individual company confidential data.

METALLIC MINING OPERATIONS

Abbreviations used:

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

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, and base.

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
ADMIRAL CONSOLIDATED MINING CO. Karl W. Jasper, Pres. 521 Columbia Bldg. Spokane, WA 99204 Current exploration at Admiral Consolidated mine	Zn, Pb, Ag	STEVENS COUNTY Leadpoint area W $\frac{1}{2}$ sec. 36, (40-41E)
ALLISON PASS MINING LTD. 307-850 W. Hastings St. Vancouver 1, B. C., Canada Kulshan Explorations, Inc. 812 Hoge Bldg. Seattle, WA 98134 Limited exploration in 1969 at Stafford Creek prospect	Fe, Ni, Cr	KITTITAS COUNTY Stafford Creek area NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 14, (22-16E)
ALM, OLE 102 S. Park Chewelah, WA 99109 Limited development at Chewelah Silver prospect	<u>Pb</u> , <u>Ag</u>	STEVENS COUNTY Chewelah area Sec. 9, (32-41E)
AMERICAN EXPLORATION & MINING CO. R. G. Garwood Northwest Regional Manager N. 1023 Monroe St. Spokane, WA 99201 Current exploration at Walla Walla prospect	Cu, Ag	FERRY COUNTY Danville area SE. cor. sec. 7, (40-34E)
AMERICAN SMELTING & REFINING CO. Albert Kingman, Supt. Box 69 Colville, WA 99114 1,000-ton flotation mill. Operations suspended at Van Stone mine, December 1970	<u>Zn</u> , <u>Pb</u>	STEVENS COUNTY 11 mi. S. of Northport Sec. 33, (38-40E)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
ARCO INDUSTRIES		
Wm. Clay, Pres. 1730 W. Pacific, Suite 4A Spokane, WA 99204 200-ton flotation mill at Palmer siding.		
Limited mining in 1969 at Daisy mine	<u>Ag, Pb, Cu,</u> <u>Au, Zn</u>	STEVENS COUNTY Daisy area Secs. 6, 7, (33-38E)
Bluebird mine	<u>Cu, Au, Pb, Ag</u>	Kettle Falls area Sec. 17, (36-38E)
Wasco mine	<u>Ag, Pb, Cu, Zn</u>	OKANOGAN COUNTY Park City area S $\frac{1}{2}$ sec. 9, (33-31E)
BAILLES, LOYAL F.		
132 - 155 S.W. Alderwood Manor, WA 98036 Limited exploration at Copper Knob group	<u>Zn, Cu</u>	SNOHOMISH COUNTY Beckler River area Sec. 24, (27-11E)
BEAR CREEK MINING CO.		
David Snyder, Dist. Geol. E. 7621 Sprague Ave. Spokane, WA 99206 Current exploration at Miners Ridge area		
Mount Tolman area	<u>Cu, Mo</u>	SNOHOMISH COUNTY Suittle district Sec. 10, (31-15E)
Exploration in 1970 at Starr mine	<u>Mo</u>	FERRY COUNTY Keller district Sec. 31, (30-33E)
		OKANOGAN COUNTY Tonasket area SE $\frac{1}{4}$ sec. 8, (37-26E)
BELUS, MARTIN L.		
35021 W. Valley Highway Algona, WA 98002 Current development at Antimony Queen mine	<u>Sb</u>	OKANOGAN COUNTY Gold Creek Area SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11, (31-21E)
BLOCKSOM, F. C.		
Twisp, WA 98856 Current development at Minnie mine	<u>Au, Ag, Zn</u>	OKANOGAN COUNTY Carlton area NW $\frac{1}{4}$ sec. 23, (32-22E)
BRENMAC MINES LTD.		
L. N. Eudell, Pres. 1480 Pemberton Ave. North Vancouver, B. C., Canada Current development at Sunrise property	<u>Cu, Mo</u>	SNOHOMISH COUNTY Sultan Basin area NW $\frac{1}{4}$ sec. 15, (29-10E)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
CALDO MINING CO. Barney Gatz, Pres. 1606 Belmont Ave. Seattle, WA 98122 Current development at Caldo prospect	<u>Au, Ag</u>	CHELAN COUNTY Negro Creek area NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 4, (22-17E)
CITATION COPPER MINES, INC. Tom O'Connell, Vice Pres. 1627 East Lynn Seattle, WA 98101 Current development at Red Mountain (Royal) mine	<u>Cu, Au</u>	CHELAN COUNTY Chiwawa district Secs. 15 and 22, (30-16E)
CLEVELAND SILVER MINES, INC. James V. LeBret, Pres. 5504 Northwest Blvd. Spokane, WA 99205 Current development on Cleveland mine claims	<u>Pb, Ag, Sb</u>	STEVENS COUNTY Hunters area NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 9 (30-38E)
COMINCO AMERICAN, INC. George F. Koehler, Sr. Geol. Northwest Exploration Office Bldg. 101, Spokane Industrial Park Spokane, WA 99216 Exploration in 1969 at Billy Goat group	<u>Cu</u>	OKANOGAN COUNTY Upper Eightmile Creek area. SE $\frac{1}{4}$ sec. 15, (30-20E)
COMO MINE, INC. Bill Priestly, Pres. 1850 N.E. 175th Seattle, WA 98155 Limited development in 1970 at Bluebird mine	<u>Cu, Au, Pb, Ag</u>	STEVENS COUNTY Kettle Falls area Sec. 17, (36-38E)
COPPER CHIEF MINING CO. L. E. Neilson, Pres. E. 6010 Broadway Spokane, WA 99206 Current exploration at Big Iron mine	<u>Fe, Cu, W, Au, Ag</u>	STEVENS COUNTY Orient district SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, (40-37E)
COSTA, GEORGE P. O. Box 324 Ione, WA 99139 Current exploration at Noisy Creek claims	<u>Ag, Pb, Zn</u>	PEND OREILLE COUNTY Sullivan Lake area Secs. 17 and 20, (38-44E)
CYPRUS MINES CORP. J. E. Worthington, Reg. Mgr. 902 Old National Bank Bldg. Spokane, WA 99201 Current exploration at Mineral Hill group	<u>Cu, Mo</u>	OKANOGAN COUNTY Conconully area Sec. 2, (35-24E)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
DAWN MINING CO. Earl M. Craig, Res. Mgr. P. O. Box 25 Ford, WA 99013 500-ton mill at Ford. Current production at Midnite mine	U	STEVENS COUNTY Wellpinit area Secs. 1 and 12, (28-37E)
DUVAL CORP. Mark Dearborn, Geologist 204 - 355 Burrard St. Vancouver 1, B. C., Canada Current exploration at Sampson property	Cu	SKAMANIA COUNTY Spirit Lake district SE $\frac{1}{4}$ sec. 8, (10-6E)
FALCONBRIDGE NICKEL CO. 500 - 1112 West Pender St. Vancouver B. C., Canada Exploration in 1969 at Lone Star mine and vicinity	<u>Cu, Au, Ag</u>	FERRY COUNTY Danville area NW $\frac{1}{4}$ sec. 2, (40-33E)
FARGO MINING CORP. 318 North 125 St. Seattle, WA 98133 J. M. Carr, Pres. Valley, WA 99181		
Development at Wells Fargo mine in 1969	<u>Ag, Sb, Pb</u>	STEVENS COUNTY Springdale district NW $\frac{1}{2}$ NE $\frac{1}{4}$ sec. 36 (31-38E)
Edna mine in 1970	<u>Cu, Ag, Au</u>	Springdale district SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 9, (31-39E)
FEIST, TONY Rt. 1, Box 267 Yakima, WA 98901 Limited exploration at Red Spur claims	Hg	YAKIMA COUNTY Wildcat Creek area NW $\frac{1}{4}$ sec. 27, (14-13)
FERN HILL CINNABAR Ralph Gillespie, owner Box 104 Morton, WA 98356 Limited production	Hg	LEWIS COUNTY Morton area SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 6 (12-5E)
GALBRAITH, GLEN Wellpinit, WA 99040 Limited development at Orazada mine	<u>Ag, Pb, Sb,</u> <u>Au, Zn</u>	STEVENS COUNTY Deer Trail district SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 27, (29-37E)
GEO-MINERAL EXPLORATION CO. R. W. Glenney, Field Mgr. P. O. Box 321 Republic, WA 99166 Current exploration at Bodie mine	Au, Ag	OKANOGAN COUNTY Bodie district SW $\frac{1}{4}$ sec. 3, (38-31E)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
GIANT MINERALS CORP. Carl C. Schreiner E. 13305 Blossy Spokane, WA 99216 Current exploration at Silver Star prospect	<u>Ag, Pb</u>	STEVENS COUNTY Deer Trail district NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 22, (29-37E)
GIBSON, GEORGE P. O. Box 37 Twisp, WA 98856 Limited development at Montana mine	Cu, Au	OKANOGAN COUNTY Mazama area Center sec. 16, (36-20E)
GILBREATH, M. F. 14727 - 35th N.E. Seattle, WA 98155 Limited production at Quartz Creek mine	<u>Cu, Au, Ag</u>	KING COUNTY Taylor River district Sec. 16, (24-10E)
GOURLIE, WALTER Rt. 5, Box 365 Port Orchard, WA 98366 Limited development and exploration at Golden Arrow mine	Au, Ag, Pb, Zn	WHATCOM COUNTY Slate Creek area NE $\frac{1}{4}$ sec. 34, (38-17E)
GRANT, ALAN R. 16467 Newport Way Issaquah, WA 98027 Limited exploration in 1970 at Miners Queen prospect	Cu, Mo	SKAMANIA COUNTY Miners Creek area N $\frac{1}{2}$ sec. 4, (3-5E)
GRANT, BEN 620 South 11th Ave. Yakima, WA 98902 Current exploration at Little Giant group	Hg	YAKIMA COUNTY Wildcat Creek area SE $\frac{1}{4}$ sec. 33, (14-13E)
HILLSIDE MINES, INC. Lloyd J. Andrews, Pres. Herbert E. Bradshaw, Chief Geol. E. 1722 S. Riverton Spokane, WA 99207 Limited exploration at: Phil Sheridan mine	<u>Ag, Au, Pb,</u>	OKANOGAN COUNTY Sheridan district SW $\frac{1}{4}$ sec. 24, (38-31E)
Flag Hill mine	Au, Ag	FERRY COUNTY Republic district Secs. 1 and 2, (36-32E)
Morning Glory El Caliph mines	Au, Ag Au, Ag	Republic district SW $\frac{1}{4}$ sec. 34, (37-32E)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
HUGHES, CHESTER Okanogan, WA 98840		OKANOGAN COUNTY Ruby district
Current exploration and development at Sonny Boy mine	<u>Ag</u> , <u>Pb</u> , Cu, Au	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 6, (34-25E)
Hughes group	<u>Ag</u> , <u>Pb</u> , Zn, Mo	SW $\frac{1}{4}$ sec. 6, (34-25E)
INLAND COPPER LTD. 401-1111 West Hastings Vancouver 1, B. C., Canada Exploration in 1969 at Cle Elum iron deposit	Fe, Ni	KITTITAS COUNTY Cle Elum area T. 22 N., R. 15 E. T. 22 N., R. 16 E.
INSPIRATION DEVELOPMENT CO. Patrick P. DeWilliam, NW Mgr. No. 3907 Marquerite Rd. Spokane, WA 99206 Exploration at Lesley group in 1970	Cu	OKANOGAN COUNTY Mazama area E $\frac{1}{2}$ sec. 19, (36-20E)
Dead Goat prospect	Mo	WHATCOM COUNTY Sulphide Creek area Secs. 7 and 18, (38-10E)
ISRAEL CONTINENTAL OIL CO., LTD. Toronto, Canada Exploration in 1970 at Lone Star mine	Cu, Au, Ag	FERRY COUNTY Danville area NW $\frac{1}{4}$ sec. 2, (40-33E)
JENSEN, GEORGE Colville, WA 99114 Current development at Myeerah mine	Pb, Zn, Ag, Au	STEVENS COUNTY Frisco Mtn. area NE $\frac{1}{4}$ sec. 11, (40-42E)
JOLLEY, TONY Bruneau, ID 83604 Current development at Wind River mine	<u>Au</u> , <u>Ag</u>	SKAMANIA COUNTY Wind River area NE $\frac{1}{4}$ sec. 8, (5-7E)
KIRSCH, J. JACK Rt. 2, Box 90 Cle Elum 98922 Current exploration at Williams Creek Fraction	Au (placer)	KITTITAS COUNTY Liberty area S $\frac{1}{2}$ sec. 2, (20-17E)
KNOB HILL MINES, INC. A. R. Patterson, Vice Pres. and Gen. Mgr. Republic, WA 99166 Leasing Gold Dollar property - from Day Mines, Inc. 400-ton flotation mill with cyanidation of tailings. Current production at Knob Hill and Gold Dollar claims	<u>Au</u> , Ag	FERRY COUNTY Republic district Secs. 22, 26, 27, (37-32E)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
KROMONA CONSOLIDATED MINES, INC. Joe F. Krom, Pres. 621 Lloyd Bldg. Seattle, WA 98101 120-ton mill. Current exploration at Kromona mine	<u>Cu, Mo, Au, Ag</u> <u>W</u>	SNOHOMISH COUNTY Sultan district Sec. 13, (28-9E)
LASOTA, FELIX P. Metaline Falls, WA 99153 Limited exploration at Lead Hill (Bunker Hill) mine	<u>Zn, Pb, Ag</u>	PEND OREILLE COUNTY Slate Creek area Sec. 14, (40-44E)
LaSota (Bromide) prospect	<u>Zn, Pb, Ag</u>	Aladdin Mountain area NE $\frac{1}{4}$ sec. 10, (37-41E)
LOTZE, A. G. Aladdin Star Rt. Colville, WA 99114 Current exploration at Gladstone mine	<u>Pb, Ag</u>	STEVENS COUNTY Leadpoint area SE $\frac{1}{4}$ sec. 18, (39-42E)
MAGILL, E. A. P. O. Box 746 Mercer Island, WA 98040 Mining in 1970 at Lucky Knock mine	<u>Sb</u>	OKANOGAN COUNTY Tanasket area SW $\frac{1}{4}$ sec. 19, (38-27E)
MERCATOR INC. Jack C. Reed, Sr. Geol. 513 Denham Bldg. 1814 Calif. St. Denver, CO 80202 Exploration in 1970 at Deer Trail group	<u>Ag, Pb, Zn, Cu</u>	STEVENS COUNTY Deer Trail district Secs. 1 and 12, (29-37E)
MIDDLE FORK COPPER OF WASHINGTON, INC. Suite 1111, 736 Grandville St. Vancouver, B. C., Canada Exploration at Condor (Clipper) property in 1969	<u>Cu, Mo</u>	KING COUNTY North Bend area Secs. 1, 11, 14, (23-11E)
MINES MANAGEMENT, INC. W. R. Green, Pres. Columbia Bldg. S. 107 Howard St. Spokane, WA 99204 Limited exploration in 1969 at Iroquois mine	<u>Zn, Pb, Ag, Au</u>	STEVENS COUNTY Leadpoint area NE $\frac{1}{4}$ sec. 30, (40-42E)

NAME OF OPERATOR	PRODUCT	PROPERTY LOCATION
MINEX CORP. William D. Weaver, Pres. E. 1215 Thurston Spokane, WA 99203 Current exploration at Norn group	Cu, Ag, Pb, Au	PEND OREILLE COUNTY Halfmoon Lake area N $\frac{1}{2}$ SW $\frac{1}{4}$ sec. 24, (34-44E)
MONO MINE, INC. Joe Cashman, Pres. P. O. Box 40 Skykomish, WA 98288 200-ton flotation mill. Current development at Mono mine	Cu, Au, Ag, Zn	KING COUNTY Skykomish area Sec. 3, 10, (25-11E)
NATURAL RESOURCES DEVELOPMENT CORP. Gregg C. MacDonald, Pres. Bldg. 3, Suite 218 300 - 120th Bellevue, WA 98005		
Current development at Condor (Clipper) property	Cu, Mo	KING COUNTY North Bend area Sec. 11, (23-11E)
Current exploration at Spaulding-Silver Queen group	Pb, Ag	SKAGIT COUNTY Cascade River area E $\frac{1}{2}$ sec. 10, (34-13E)
NESCO MINING CORP. Bruce R. McNett W. 2915 Broad Ave. Spokane, WA 99208 Current exploration at Little Chief and Apache mines	Ag, Pb, Au	OKANOGAN COUNTY Nespelem area Sec. 27 and NW $\frac{1}{4}$ sec. 35, (31-30E)
NICKEL HILL MINES, LTD. 848 West Hastings St. Vancouver B. C., Canada Major exploration in 1969 at Mackinaw mine	Cu, Ni, Au	SNOHOMISH COUNTY Monte Cristo area SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 19 (29-11E)
NORTHWOOD INC. Harold Eisler, Secy.-Treas. 506 - 540 Burrard St. Vancouver 1, B. C., Canada Current exploration at Copper Find group	Cu, Mo	STEVENS COUNTY Northport district Secs. 22, 27, 34, (40-38E)
OLD CHANNEL PLACERS, INC. Fred J. Richardson, Pres. Rt. 3, Box 211 Centralia, WA 98531 Current exploration at Ivanhoe mine and State lease	Ag, Pb	OKANOGAN COUNTY Palmer Mtn. area Sec. 16, (39-26E)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
PEND OREILLE MINES & METALS CO. Jens Jensen, Pres. A. C. Wimberly, Secy.-Treas. 923 Old National Bank Bldg. Spokane, WA 99201 L. M. Kinney, Res. Mgr. Metaline Falls, WA 99153 2,400-ton flotation mill. Current production at Pend Oreille mine	<u>Zn</u> , <u>Pb</u> , <u>Ag</u>	PEND OREILLE COUNTY Metaline district Properties in Tps. 39 and 40 N., R. 43 E.
PICARD, BERNARD Box 62 Nespelem, WA 99155 Exploration and development by Arco Industries in 1969 at Wasco mine	<u>Ag</u> , <u>Pb</u> , <u>Cu</u>	OKANOGAN COUNTY Park City area S $\frac{1}{2}$ sec. 9, (33-31E)
REED, LOREN W. 423 Okanogan St. Wenatchee, WA 98801 Current development and limited mining at Rex (Rogers) mine	<u>Au</u>	CHELAN COUNTY Crum Canyon N $\frac{1}{2}$ sec. 36, (26-20E)
RICHIE, WILLIAM Conconully, WA 98199 Limited exploration at Bonnie Bess prospect	<u>Pb</u> , <u>Ag</u>	OKANOGAN COUNTY Conconully area SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 6, (35-25E)
ROCKNE, M. AND PORATH, L. Rt. 1, Box 32B Republic, WA 99166 Limited production at Kelly mine	<u>Cu</u> , <u>Ag</u>	FERRY COUNTY Republic area E $\frac{1}{2}$ sec. 4, (38-32E)
RUSSELLS'S MARIE SILVER LEAD, INC. Russell Carlson, Pres. 3 N. Division Kellogg, ID 83837 Limited exploration at Morning mine	<u>Ag</u> , <u>Pb</u> , <u>Zn</u>	STEVENS COUNTY Aladdin district S $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 4, (37-41E)
SIDNEY MINING CO. M. C. Brown, Pres. P. O. Box 1049 Kellogg, ID 83837 Current exploration at Burbank property	<u>Au</u> , <u>Ag</u>	FERRY COUNTY Republic area W $\frac{1}{2}$ sec. 27, (37-32E)
SILVER CONSOLIDATED MINING CO. A. E. Warsinske, Pres. E. 5502 Sprague Ave. Spokane, WA 99206 Current development at Lone Star mine	<u>Pb</u> , <u>Zn</u> , <u>Ag</u> , <u>Au</u> , <u>Cd</u>	OKANOGAN COUNTY Conconully area NE $\frac{1}{4}$ sec. 36, (36-24E)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
SILVER CRESCENT MINING CO. Wilbur C. Hunt, Pres. P. O. Box 98 Usk, WA 99180 Current exploration and development at Silver Crescent group	Ag, Pb	PEND OREILLE COUNTY Parker Lake area Secs. 3 and 4 (34-43E) Secs. 27 and 35 (35-43E)
SILVER CROWN MINING CO. V. S. Sanders, Pres. N. 620 Freya Spokane, WA 99202 100-ton flotation mill near Northport. Current development at Casteel mine Hubbard mine	Pb, Zn, Ag	STEVENS COUNTY Northport area SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 3, (39-40E) E $\frac{1}{2}$ sec. 32, (40-39E)
SILVER EAGLE MINES, INC. L. H. Porath, Pres. 1505 Fourth Ave. W. Spokane, WA 99204 Limited development at Eagle-Newport mine	Ag, Pb, Cu	STEVENS COUNTY Kettle Falls area SE $\frac{1}{4}$ sec. 25, (35-37E)
SILVER KING MINING AND MILLING CO. Norman E. Junes, Pres. Norman B. Haikkila, Secy. Usk, WA 99180 Current exploration and development	Au, Ag, Cu, Pb, Zn	PEND OREILLE COUNTY Parker Lake area S $\frac{1}{2}$ sec. 34, (35-43E)
SILVER PEAK MINING CO. Dale Lanphere, Pres. 401 Great Western Bldg. Spokane, WA 99201 Current exploration on State land leases and Gubser prospect	Ag, Pb, Zn, Cu	OKANOGAN COUNTY Concoquilly area Sec. 31 (36-25E)
SMITH, ROBERT AND WADE Twisp, WA 98856 Limited development at Bales mine	Sb	OKANOGAN COUNTY Carlton area SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 17, (32-22E)
SOLAR NUCLEAR CORP. Carl C. Schreiner, Pres. E. 13305 Blossey Spokane, WA 99216 Exploration in 1970 on Agency leases	U	STEVENS COUNTY Wellpinit Mtn. area Sec. 28 (28-38E)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
SPARTON EXPLORATION LTD. Jack Vincent, Explor. Mgr. 1035 W. Pender St. Vancouver B. C., Canada Current exploration at Buckhorn mine	<u>Fe, Cu</u>	OKANOGAN COUNTY Buckhorn Mountain area N $\frac{1}{2}$ sec. 24, (40-30E)
SUPERIOR MINING CO. Raymond Lasmanis, Sr. Geol. 904 Paulsen Bldg. Spokane, WA 99210 Joint exploration with St. Joe Minerals Corp. at Kelsey property	<u>Cu, Au, Ag</u>	OKANOGAN COUNTY Oroville area SE. cor. sec. 6, (40-27E)
THREE F MINING CO., INC. Fredrick L. Hubbard 16513 - 37th N.E. Seattle, WA 98155 Current exploration on State lease	Au	CHELAN COUNTY Wenatchee Lake area SE $\frac{1}{2}$ sec. 36, (28-17E)
TIMBERLINE MINING & MILLING CO. Victor J. Felice Lincoln Bldg. W. 818 Riverside Spokane, WA 99201 Current development at Mohawk prospect	Pb, Ag, Cu	OKANOGAN COUNTY Conconully area SW $\frac{1}{4}$ sec. 31, (36-25E)
TIPARILLO SILVER MINE Edin Albon, operator 17500 E. Sprague Spokane, WA 99216 Current development at Romulus mine	Ag, Pb, Zn	FERRY COUNTY Inchelium area Sec. 28, (32-36E)
TRAULSEN, FRED Darrington, WA 98241 Limited development and production	Pb, Zn	SNOHOMISH COUNTY Darrington area Sec. 17, (31-11E)
TROJAN EXPLORATION & DEVELOPMENT CO., INC. Harry Spencer, Pres. 2719 E. Main Puyallup, WA 98371 Current development at Curtin property	U	SPOKANE COUNTY Mt. Spokane area NE $\frac{1}{4}$ sec. 24, (28-44E)
UNION PACIFIC RAILROAD Natural Resources Division Thomas H. Pullen, Dist. Geol. 1322 Old National Bank Bldg. Spokane, WA 99201 Exploration in 1969 at Ramore mine	<u>Pb, Ag, Cu, Au</u>	OKANOGAN COUNTY Park City area Sec. 14, (33-31E)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
VALUMINES INC. Robert A. Rukke, Secy. Puyallup, WA 98371 Current development at Diamond claim	<u>Pb, Zn, Cu, Ag</u>	SKAGIT COUNTY Cascade Pass area NE $\frac{1}{4}$ sec. 35, (35-13E)
VEE-GEE MINING CO., INC. Alex Vichloff, Pres. Bill Geist, Mgr. Cowley, Alberta, Canada Current development at Copper King mine	<u>Pb, Zn, Ag</u>	STEVENS COUNTY Aladdin area SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 20 (38-41E)
WARNER, L. O. P. O. Box 3097 Lacey, WA 98501 Limited exploration at Maybee mine	<u>Cu, Au, Ag</u>	SKAMANIA COUNTY Washougal River area S $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 14, (3-5E)
WELHOFF, R. J. 1103 West Columbia Ave. Spokane, WA 99208 Limited exploration in 1970 at Daisy mine	<u>Ag, Pb, Cu, Au</u>	STEVENS COUNTY Daisy area Secs. 6 and 7, (33-38E)
WESTERN GOLD MINING, INC. Harry Kramer, Pres. Joseph Vance Building Third and Union Seattle, WA 98101 Current exploration at New Light mine	<u>Au</u>	WHATCOM COUNTY Slate Creek area SE $\frac{1}{4}$ sec. 27, (38-17E)
WEYERHAEUSER CO. Kenneth Beech, Mgr. Mineral & Agricultural Development Timberlands Division Tacoma, WA 98401 Current exploration	<u>Cu</u>	KING COUNTY N. Fork Snoqualmie River. Secs. 2, 3, 4, (25-9E)
WESTERN NUCLEAR, INC. Room 412, Columbia Bldg. South 107 Howard St. Spokane, WA 99204 Current exploration	<u>U</u>	STEVENS COUNTY Blue Mountain area (29-38E) SPOKANE COUNTY Mt. Spokane area (28-44E)

NONMETALLIC MINING OPERATIONS

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
AGRO MINERALS, INC. P. O. Box 611 Tonasket, WA 98855 Current production	Epsom salts, gypsum sand	OKANOGAN COUNTY Tonasket area SE $\frac{1}{4}$ sec. 5, (38-27E)
ALUMINUM COMPANY OF AMERICA Vancouver, WA 98600 Exploration in 1970 at Addy dolomite deposit	Dolomite	STEVENS COUNTY Addy area Secs. 11, 12, 13, 14, (33-39E)
ARBOR LAKE HUMUS & GARDEN SUPPLY H. W. Drachenberg, owner 12224 Third Ave. S. Seattle, WA 98168 Current production	Peat (humus)	KING COUNTY South of Seattle Pit at same address SW $\frac{1}{4}$ sec. 8, (23-4E)
ASBURY FUEL Chester L. Asbury 2424 Hilltop Drive Bremerton, WA 98310 Limited production	Peat	KITSAP COUNTY SW. of Silverdale Sec. 25, (25-1W)
BALD KNOB QUARRY, INC. W. A. Whitney, Pres. A. W. Pierce, Vice Pres. P. O. Box 396 Monroe, WA 98272 Produced in 1969 Inactive in 1970	Basalt (rubble, riprap, landscape rock)	SNOHOMISH COUNTY Monroe area SE $\frac{1}{4}$ sec. 9, (27-6E)
BLACK PRINCE COAL CO. Wilbur R. Parkin Route 2, Box 59 Centralia, WA 98531 Current production	Coal	LEWIS COUNTY Centralia area S $\frac{1}{2}$ sec. 28, (15-1W)
BLACK RIVER QUARRY, INC. J. R. Hawk, Chairman James L. Hawk, Pres.-Gen. Mgr. 6808 140th St. S. Seattle, WA 98188 Crushing capacity: 3,000 T./shift Current production	Basalt (crushed rock, landscape rock, riprap)	KING COUNTY 6808 S. 140th St. Seattle Sec. 14, (23-4E)
BOW LAKE HUMUS CO. T. and F. Boysen, owners 18118 Pacific Highway S. Seattle, WA 98188 Produced in 1969 Inactive in 1970	Peat	KING COUNTY Bow Lake area NE $\frac{1}{4}$ sec. 33, (23-4E)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
CARL CARBON INC. Clarence J. Stevens, Secy. Box 5153, North Central Station Spokane, WA 99205 Current production Plant capacity: 50,000 T./yr.	Basalt (crushed rock)	SPOKANE COUNTY Geiger Field area Sec. 31, (25-42E)
CARLSON PEAT & WOOD CO. Eric E. Carlson 21862 Fall City Highway Redmond, WA 98052 Current production	Peat	KING COUNTY Bog at same address NE $\frac{1}{4}$ sec. 16, (25-6E)
CHEHALIS BRICK & TILE CO. F. G. Burrows, Mgr. Box 868 Chehalis, WA 98532 Current production	Clay (brick, tile)	LEWIS COUNTY At Chehalis W $\frac{1}{2}$ sec. 29, (14-2W)
CHELAN SILICA CO. L. E. Willmorth, Pres. Box 86 Chelan, WA 98816 Current production	Quartz (metallurgical)	CHELAN COUNTY Twentyfive Mile Creek area Secs. 28, 33, (29-20E)
CHELATCHIE ROCK CRUSHING CO. Lawrence Edwards Route 1, Box 83 Amboy, WA 98601 Current production	Basalt (crushed rock, riprap)	CLARK COUNTY Amboy area SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, (5-3E)
CLAUSON LIME CO. Gordon C. Clauson 4401 23rd Ave. W. Seattle, WA 99204 Current production from: McGraw-Kittinger deposit Soderberg deposit Maple Falls quarry	Limestone (pulp rock, building stone, landscape rock)	SAN JUAN COUNTY Orcas Island NW $\frac{1}{4}$ sec. 2, (36-2W) N. center sec. 31, (37-2W) WHATCOM COUNTY Maple Falls area SW $\frac{1}{4}$ sec. 7, (40-6E)
CLE ELUM CEMENT PRODUCTS, INC. August Petrich P. O. Box 336 Cle Elum, Wash. 98922 Current production from coal mine waste dumps	Cinders, shale (concrete products, decorative blocks)	KITTITAS COUNTY Cle Elum area NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 27, (20-15E)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
COLUMBIA CEMENT CO. DIVISION OF PITTSBURGH PLATE GLASS CO. James Smithson, Plant Mgr. P. O. Box 37 Bellingham, WA 98225 Annual plant capacity: 1,900,000 bbls. Current production at Kendall quarries	Limestone	WHATCOM COUNTY Near Kendall Secs. 8, 14, 15, 16, 17, 21, 22, 23, 27, (40-5E)
COLUMBIA QUARTZITE W. L. Harter, owner P. O. Box 5166 Spokane, WA 99205 Limited production	Quartzite (flagging, ashlar, rubble)	FERRY COUNTY W. of Kettle Falls SW $\frac{1}{4}$ sec. 2, (36-37E)
CULBERTSON, ROLAND Route 1, Box 138 Anacortes, WA 98221 Current production	Sandstone (riprap)	WHATCOM COUNTY Lummi Island NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, (37-1E)
CUNNINGHAM SAND AND GRAVEL CO., INC. John and Gary Cunningham, owners N. 6315 Cedar St. Spokane, WA 99208 Current production	Peat	SPOKANE COUNTY Eloika Lake area (29-43E)
D. A. SULLIVAN CO. Parkwater Station Box 37 Spokane, WA 99211 Current production: 15,000 yds/yr.	Basalt (crushed rock)	SPOKANE COUNTY Cheney area SW $\frac{1}{4}$ sec. 33, (23-42E)
DESCHUTES SAND & GRAVEL INC. Gus Kreiger, owner 321 Division St. Tumwater, WA 98501 Current production	Basalt (riprap)	THURSTON COUNTY Black Lake area NW $\frac{1}{4}$ sec. 33, (18-2W)
EWER LUMBER CO. Vernon Ewer, owner Box 448 Omak, WA 98841 Current production	Pumice	CHELAN COUNTY First Creek area SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 36, (28-20E)
FLESHMAN, R. L. 2804 Spirit Lake Highway Castle Rock, WA 98611 Current production	Shale (naturally fired)	COWLITZ COUNTY Coal Bridge area NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, (10-1E)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
FULLERS SOILS R. M. Fuller 19419 Damson Road Alderwood Manor, WA 98036 Current production	Peat (humus)	SNOHOMISH COUNTY SE. of Lynnwood SW $\frac{1}{4}$ sec. 24, (27-4E)
GENERAL CONSTRUCTION CO. R. B. McEachern, Pres. Edward M. Snyder, Mgr. 3840 Iowa Ave. S.W. P. O. Box 3845 Seattle, WA 98124 Mats Mats Bay quarry R. E. Deskins, Quarry Mgr. P. O. Box 79 Port Ludlow, WA 98365 Crushing capacity: 1,500 T./shift. Current production at Mats Mats Bay quarry	Basalt (crushed rock, riprap)	JEFFERSON COUNTY Port Ludlow area Lots 5, 6, 7, 8, Sec. 33, (29-1E)
GEORGE SCHMID EXCAVATING Route 2, Box 95 Washougal, WA 98671 Current production	Basalt (riprap)	SKAMANIA COUNTY Cape Horn area T. 1 N., R. 5 E
H & W CONSTRUCTION CO. Warren Hanly, owner 8525 Ocean Beach Highway Longview, WA 98632	Basalt (riprap)	WAHIAKUM COUNTY Cathlamet area SE $\frac{1}{4}$ sec. 13, (8-5W)
HALLETT, PAT 21740 - 84th St. Kent, WA 98031 Limited production in 1970	Feldspar	CHELAN COUNTY Lake Wenatchee area NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 17, (27-16E)
HARBOR HEIGHTS HUMUS CO. Don Berry Route 1, Box 1073 Gig Harbor, WA 98335	Peat	PIERCE COUNTY Harbor Heights area SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7, (21-2E)
HARBOR ROCK INC. Ed Triplett, Mgr. Box 246 South Bend, WA 98586	Basalt (rubble, riprap, crushed rock)	PACIFIC COUNTY South Bend area SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 33 (14-9W)
HEATHERSTONE INC. Burton A. Lehman Box 626 Steilacoom, WA 98388 Current production at Dog Lake quarry	Andesite (ashlar, rubble)	YAKIMA COUNTY E. of White Pass summit SE $\frac{1}{4}$ sec. 36, (14-11E)
HENRY BROS. SHOVEL CO. J. C. Henry W. E. Henry Bow, WA 98232 Current production	Hornfels (riprap)	SKAGIT COUNTY Blanchard area NW $\frac{1}{4}$ sec. 22, (35-3E)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
HIDDEN BRICK CO. R. A. Hidden, Mgr. 2610 Kauffman Ave. Vancouver, WA 98660 Current production: 594 T./yr.	Clay (brick, tile)	CLARK COUNTY Pit at same address SW $\frac{1}{4}$ sec. 22, (2-1E)
HOUPLIN, J. E. P. O. Box 456 Des Moines, WA 98016 Current production at Cathedral quarry	Basalt (rubble, flagging)	GRANT COUNTY Vantage area Sec. 4, (16-23E) Sec. 33, (17-23E)
IDEAL BASIC INDUSTRIES, INC. Fred Bauer, Plant Mgr. 5400 W. Marginal Way S.W. Seattle, WA 98106 Current production at Twin Rivers pit	Clay	CLALLAM COUNTY Near West Twin River SW $\frac{1}{4}$ sec. 23, (31-10W)
INTERPACE M. Kochanek, Plant Mgr. 1500 Houser Way S. Renton, WA 98055 Plant capacity: 14,000,000 brick/yr. 12,000 T. hollow ware/yr. Current production	Clay products	Plants at Renton in King County, and Mica in Spokane County
Blum pit	Clay	KING COUNTY Palmer area SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 31, (21-7E)
Palmer pit	Clay	NE $\frac{1}{4}$ sec. 14, (21-7E)
Harris mine	Clay	Issaquah area NW $\frac{1}{4}$ sec. 33, (24-6E)
Ravensdale ash pit	Cinders	Ravensdale area NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 36, (22-6E)
Renton pit	Clay	At Renton SE $\frac{1}{4}$ sec. 17, (23-5E)
Mica Plant J. Welch, Plant Mgr. Mica, WA 99023 Plant capacity: 16,000,000 brick/yr. 12,000 T. hollow ware/yr.		SPOKANE COUNTY
Mica pits	Clay	At Mica Secs. 14, 23, (24-44E)
Pottretz pit	Clay	Fairfield area NE $\frac{1}{4}$ sec. 7 (21-45E)

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<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
INTERPACE (continued from preceding page)		
Bleisner pit	Clay	Fairfield area E $\frac{1}{2}$ sec. 1 (21-44E)
Lande pit	Clay	STEVENS COUNTY 5 mi. NE. of Clayton S $\frac{1}{2}$ sec. 33, (30-42E)
ISLAND-FRONTIER LANDSCAPE CONSTRUCTION CO. Dave Taggart Route 3, Box 522 Anacortes, WA 98221 Current production at Taggart quarries	Andesite (landscape rock, rubble)	SKAGIT COUNTY NE. of Deception Pass E $\frac{1}{2}$ sec. 13, (34-1E)
JACOBSEN AND CHRISTMAN Lloyd Jacobsen Route 2, Box 113 Colville, WA 99114 Joe Christman 868 S. 100th St. Seattle, WA 98168 Limited production	Marble (flagging rubble)	STEVENS COUNTY 12 mi. N. of Colville Sec. 7, (37-40E)
KAMILCHE PEAT MOSS CO. Howard Fuller Route 1, Box 246 Shelton, WA 98584 Intermittent production	Peat (sphagnum)	MASON COUNTY Kamilche area NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 20, (19-3W)
KENITE CORP. C. A. Frankenhoff Overhill Bldg. 2 Overhill Road Scarsdale, NY 10583 Lew Wyman, Plant Mgr. P. O. Box 1001 Quincy WA 98848 Current production	Diatomite	GRANT COUNTY South of Quincy Center sec. 8, (17-24E)
KENT, H. W. Box 383C Route 2 Snohomish, WA 98290 Production less than 10,000 T./yr.	Basalt (landscape rock, rubble, riprap)	SNOHOMISH COUNTY Monroe area SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 9, (27-6E)
KIFERS MICA ROCK QUARRY Ralph Kifer Route 2, Box 250 Kettle Falls, WA 99141 Current production	Quartzite (ashlar, flagging, rubble)	FERRY COUNTY W. of Kettle Falls SW $\frac{1}{4}$ sec. 2, (36-37E)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
KILDOW BROTHERS INC. Route 15, Box 550 Olympia, WA 98501 Current production	Peat (reed-sedge)	THURSTON COUNTY Deep Lake area Sec. 2, (16-2W)
KOLOB MINING & STONE R. H. Nichols Kettle Falls, WA 99141 Current production	Limestone (flagging, rubble)	STEVENS COUNTY Northport area SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, (39-40E)
KRESS SAND & GRAVEL George Kress, owner 107 Kalama River Road Kalama, WA 98625 Current production	Basalt (riprap)	COWLITZ COUNTY Kalama area SE $\frac{1}{4}$ sec. 35, (7-1W)
LANE MT. SILICA CO. Stanley P. Jones, Pres.-Secy. Charlie Smith, Vice Pres.-Mgr. Joe Scates, Gen. Mgr. Valley, WA 99181 600-ton flotation mill at Valley. Current production at Lane Mt. quarry	Quartzite (silica sand)	STEVENS COUNTY West of Valley Secs. 15, 22, 26, 34, (31-39E)
LAYMAN, EDWARD 320 West Main Goldendale, WA 98620 Limited production from Block House pit	Cinders	KLICKITAT COUNTY Goldendale area NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 8, (4-14E)
LEHIGH PORTLAND CEMENT CO. Young Bldg. 718 Hamilton St. Allentown, PA 18105 Local address: Metaline Falls, WA 99153 A. W. Schaeffer, Plant Mgr. Annual plant capacity: 775,000 bbls. Current production		PEND OREILLE COUNTY Metaline Falls area
	Limestone	NE $\frac{1}{4}$ sec. 27, W $\frac{1}{2}$ sec. 26 NE $\frac{1}{4}$ sec. 34, (39-43E)
	Quartzite	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 17, (39-43E)
LIND GRAVEL CO. Mrs. Russell E. Lind, Sec.-Treas. Charles E. Lind, Oper. Mgr., Pres. P. O. Box J Bellingham, WA 98225 Current production at Squalicum pit	Clay	WHATCOM COUNTY Bellingham area Sec. 24, (38-2E)
LOUIS F. MATHESON CONSTRUCTION CO. Louis F. Matheson, owner 3612 Norton Everett, WA 98201 Current production	Granite (riprap, crushed rock, rockery rock)	SNOHOMISH COUNTY Granite Falls area SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 14, (30-6E)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
LOWELL BRICK CO. John Gorin, Mgr. Box 3005 Everett, WA 98203 Intermittent production	Clay (brick, tile)	SNOHOMISH COUNTY Lowell area SW $\frac{1}{4}$ sec. 29, (29-5E)
M & C ENTERPRISES, INC. J. W. Melrose, Pres. 9800 Highway 99 S. Everett, WA 98201 Current production	Felsite (building stone)	CHELAN COUNTY Crum Canyon area Sec. 27, (26-20E)
MANUFACTURERS MINERAL CO. Frank and J. G. Adderson, owners 1215 Monster Road S.W. Renton, WA 98055 Current production at:		Crushing plants at Seattle and Chewelah
Numerous marble quarries	Dolomite (terrazzo chips)	STEVENS COUNTY Chewelah area
Valley quarry	Dolomite	Near Valley Secs. 15, 22, (31-40E)
	Molding sand, daubing clay	KING COUNTY Cedar Mountain area NE $\frac{1}{4}$ sec. 30, (23-6E)
Denny-Renton silica quarry	Silica (roofing chips)	Enumclaw area NW $\frac{1}{4}$ sec. 1, (19-7E)
MAPLE VALLEY HUMUS Clay Hamilton, owner 18805 S.E. 170th Maple Valley, WA 98038 Current production	Peat (humus)	KING COUNTY Maple Valley area Sec. 30, (23-6E) (pit at business address)
MARENAKOS ROCK CENTER William L. Marenakos Route 1, Box 921 Issaquah, WA 98027		
Granite quarry	Granite (landscape rock)	KING COUNTY Mine Creek area on South Fork of Snoqualmie River SE $\frac{1}{4}$ sec. 34, (23-9E)
Rhyolite quarry	Rhyolite (rubble)	KITTITAS COUNTY Easton area NW $\frac{1}{4}$ sec. 5, (20-13E)
MIKE HAGARA & SON CONSTRUCTION CO. 7006 Harrison Road Aberdeen, WA 98520 Current production	Basalt (riprap, fill)	GRAYS HARBOR COUNTY Newskah area NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 4, (16-9W)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
MILLER LIME CO. Leslie B. Miller P. O. Box 166 Gold Bar, WA 98251 Current production	Limestone (ground or crushed)	SNOHOMISH COUNTY Gold Bar area SE $\frac{1}{4}$ sec. 16, (27-9E)
	Granite (landscape rock, flagging)	Gold Bar area SW $\frac{1}{4}$ sec. 8, (27-10E)
	Limestone (landscape rock, flux rock)	CHELAN COUNTY Wenatchee Lake area NE $\frac{1}{4}$ sec. 10, (27-14E)
MORRISON-KNUDSEN CO., INC. Hoge Building Second and Cherry Seattle, WA 98104 Production from Miller River quarry	Granite (riprap)	KING COUNTY Skykomish area NE $\frac{1}{4}$ sec. 28, (26-11E)
MOULDEN FUEL CO. G. L. Moulden, owner P. O. Box 18 Enumclaw, WA 98022 Current production: 5,000-8,000 yds./yr. Black Diamond coal dump Ravensdale coal dump	Cinders	KING COUNTY Black Diamond area
		SW $\frac{1}{4}$ sec. 11, (21-6E)
		Sec. 36, (22-6E)
MOUNT ADAMS SHEET ROCK QUARRY Joe Marston 514 W. Olive St. Newport, OR 97365 Limited production	Andesite (flagging)	YAKIMA COUNTY Mount Adams area SW $\frac{1}{4}$ sec. 27, (8-11E)
MUTH, LOUIS 11924 Ruggs Loop Road Everett, WA 98201 Current production at: Fall City quarry Enumclaw quarry	Basalt (landscape rock, rubble, riprap)	KING COUNTY
		Fall City area SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 14, (24-7E)
		Enumclaw area NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 13, (20-6E)
MUTUAL MATERIALS CO. R. C. Houlahan, Pres. 3720 Airport Way S. P. O. Box 3547 Seattle, WA 98124 Current production at: Section 31 pit	Clay products (brick, tile)	Plants in Seattle and Newcastle in King County, and Clay City in Pierce County
	Clay	KING COUNTY Cougar Mountain area NW $\frac{1}{4}$ sec. 31, (24-6E)

(continued on following page)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
MUTUAL MATERIALS CO. (continued from preceding page)		KING COUNTY
Newcastle pit	Clay	Newcastle area
Elk pit	Clay	Ravensdale area SE $\frac{1}{4}$ sec. 34, (22-7E)
Clay City pit	Clay	PIERCE COUNTY Clay City area S $\frac{1}{2}$ sec. 25, (17-4E)
NASELLE ROCK CO. Martin S. Wirkkala P. O. Box 5 Naselle, WA 98638 Plant capacity: 90-150 tons/hr. Current production	Basalt (crushed rock, riprap)	PACIFIC COUNTY Near Naselle Center W $\frac{1}{2}$ sec. 3, (10-9W)
NESPELEM SILICA CO. William Hommel General Delivery Nespelem, WA 99155 Produced in 1969 Inactive in 1970	Quartz (metallurgical, landscape, building stone)	OKANOGAN COUNTY Nespelem area SW $\frac{1}{4}$ sec. 4, (31-30E)
NICHOLIC, JOHN A. 8611 S. Hosmer Tacoma, WA 98444 Current production	Peat	PIERCE COUNTY S. 84th and Freeway NW $\frac{1}{2}$ SW $\frac{1}{4}$ sec. 32, (20-3E)
NORTH AMERICAN NON-METALLICS, LTD. W. Davey, Pres. 2890 W. Broadway Vancouver 8, B.C. Bob Perkins, Plant Supt. P. O. Box 269 Valley, WA 99181 Currently operating numerous quarries, Springdale to Northport	Dolomite and serpentine (terrazzo chips, stucco dash, roofing chips, landscape rock, building stone)	STEVENS COUNTY
NORTHPORT LIMESTONE CO. W. L. Kelso, Pres. J. J. Eckhart, Sales Mgr. 201 Boren Ave. N. Seattle, WA 98109 Current production from Sherve lease	Limestone (flux)	STEVENS COUNTY Northport area NW $\frac{1}{4}$ sec. 17, (39-40E)
NORTHWEST INTERNATIONAL John W. Reitze, Gen. Mgr. 5515 Fourth Ave. S. Seattle, WA 98108 Plant capacity: 25,000 T./yr. Plant at Hamilton Current production at Twin Sisters quarry	Olivine (crude and crushed)	SKAGIT COUNTY Twin Sisters Mountains Sec. 3, (36-7E)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
NORTHWEST MARBLE PRODUCTS CO. Ernest Smith Chewelah, WA 99109 Plant in Chewelah. Current production	Dolomite (terrazzo chips, stucco dash, roofing chips, rubble)	STEVENS COUNTY Glasgow Lakes area NW $\frac{1}{4}$ sec. 19, (38-38E)
NORTHWEST TALC & MAGNESIUM CO. Nels F. Jensen, Mgr. P. O. Box 324 Clear Lake, WA 98235 Custom crushing and grinding plant at Clear Lake. Current production	Andesite (roofing chips, granules, mineral filler)	SKAGIT COUNTY NE. of Deception Pass E $\frac{1}{2}$ sec. 13, (34-1E) Burlington area Center sec. 4, (35-4E)
OLIVINE CORP. Corliss M. Smith, Pres. 1015 Hilton Bellingham, WA 98225 Plant in Bellingham. Current production: 7,000 T./yr.	Olivine (foundry sand)	SKAGIT COUNTY Cypress Island area NW $\frac{1}{4}$ sec. 8, (35-2E)
OUTDOOR WORLD INC. Roy M. Menteer, Pres. P. O. Box 183 Spokane, WA 99210 Crushing plant at Barstow Donald Grubb, Plant Mgr.	Dolomite (terrazzo chips, landscape rock, building stone)	STEVENS COUNTY Kelly Hill area SW $\frac{1}{4}$ sec. 13, (38-37E)
PACIFIC SILICA CO. Wylie M. Hemphill, Pres. J. J. Eckhart, Sales Mgr. 201 Boren N. Seattle, WA 98109 Current production from stockpile	Quartz (metallurgical)	SPOKANE COUNTY N. of Spokane Sec. 14, (27-42E)
PALMER COKING COAL CO., INC. Jack A. Morris, Gen. Mgr. Box 8 Black Diamond, WA 98010 1968 production: 48,000 tons. Current production:		
Franklin No. 10 mine	Coal	KING COUNTY E. of Black Diamond SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19, (21-7E)
Rogers No. 3 mine	Coal	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 25, (22-6E)
Lake Boren pit	Shale	Center S $\frac{1}{2}$ sec. 26 (24-5E)
PETER JANNI & SONS Peter Janni estate Box 213 Northport, WA 99157 Current production at Janni quarry	Limestone (terrazzo chips, stucco dash, roofing chips, ashlar, landscape rock, pulp rock)	STEVENS COUNTY Near Northport SE $\frac{1}{4}$ sec. 7, (39-40E)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
PIONEER TOWING CO. George R. Osborn 5001 E. Marginal Way Seattle, WA 98134 Intermittent production from Pioneer quarry	Basalt (riprap, crushed rock)	KITSAP COUNTY SW. of Bremerton SE $\frac{1}{4}$ sec. 28, (24-1E)
PLANT FOOD CO. George Webster, owner 14515 - 35th Bothell, WA 98011	Peat	SNOHOMISH COUNTY Thomas Lake area SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, (28-5E)
POLSON CO. R. V. Pitner Industrial Division 2720 Sixth Ave. S. Seattle, WA 98134 Operating plant at Riverside. Limited production from Booher pit	Marl	OKANOGAN COUNTY Riverside area Sec. 3, (35-26E)
PULLAR ENTERPRISES Gordon Pullar 2241 Woburn Bellingham, WA 98225 Intermittent production from Wells Creek quarry	Andesite (rubble)	WHATCOM COUNTY Mount Baker district Center NW $\frac{1}{4}$ sec. 5, (39-8E)
QUEEN COAL CO. Robert Peloli Anthony Basselli Wilkeson, WA 98396 Limited production	Coal	PIERCE COUNTY Carbonado area Sec. 4, (18-6E)
RADAKOVICH ROCK CRUSHER Archie Radakovich, owner 4646 Industrial Way Longview, WA 98632 Current production	Basalt (crushed rock)	COWLITZ COUNTY Longview area NW $\frac{1}{4}$ sec. 36, (8-3W)
RAINIER COKE & CHEMICAL CORP. 724 Arctic Bldg. 704 Third Ave. Seattle, WA 98104 Current exploration at Glacier anthracite field	Coal	WHATCOM COUNTY Glacier area Sec. 29, (39-7E)
RIVERTON QUARRY DIVISION OF LOCKHEED SHIP- BUILDING & CONSTRUCTION CO. Martin Green, Mgr. Quarry Division 12020 E. Marginal Way S. Seattle, WA 98168 Current production at Riverton quarry. 350,000-400,000 T./yr.	Basalt (crushed rock, landscape rock, riprap)	KING COUNTY Riverton area Lot 7, Riverside Interurban tract Sec. 9, (23-4E)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
ROCHE HARBOR LIME & CEMENT Neil A. Tarte, owner Roche Harbor, WA 98250 Current production	Limestone (rubble, crushed rock)	SAN JUAN COUNTY Roche Harbor area NE $\frac{1}{2}$ sec. 23, (36-4W)
RUNYON, H. G. 231 - 11th St. Raymond, WA 98577 Plant capacity: 400 yd./shift. Current production from Raymond quarry	Basalt (riprap, crushed rock, rubble)	PACIFIC COUNTY Raymond area Center sec. 23, (14-9W)
S & F CONSTRUCTION CO. INC. E. 1006 Hawthorne Road Spokane, WA 99218 Current production: 80,000 T./yr.	Basalt (crushed rock)	SPOKANE COUNTY 5 mi. N. of Spokane city limits at Center and Pittsburgh Streets
SERENDIP INDUSTRIAL MINERALS A. O. Bartell, owner 5115 S.W. Westwood Lane Portland, OR 97201 Current production from stockpile	Dolomite	STEVENS COUNTY Northport area NE $\frac{1}{2}$ sec. 27, (39-39E)
SKAGIT PEAT CO. Douglas Walker Route 2, Box 247 Mount Vernon, WA 98273 Produced in 1969 Inactive in 1970	Peat	SKAGIT COUNTY 5 mi. N. of Burlington NE $\frac{1}{2}$ SW $\frac{1}{4}$ sec. 6, (35-4E)
SMITH BROS. SILICA SAND CO., INC. W. L. McCallie, Pres. P. O. Box 95 Ravensdale, WA 98051 Plant capacity: 320 T./shift	Silica sand	KING COUNTY Ravensdale area NE $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 1, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 3, (21-6E)
SMITH, HERMAN Box 99 Marblemount, WA 98267 Current production	Talc	SKAGIT COUNTY Marblemount area SE $\frac{1}{4}$ sec. 16, (35-11E)
SMITHROCK QUARRY, INC. Rodney Smith, Pres.-Gen. Mgr. 17700 Evergreen Hwy. Vancouver, WA 98664 Intermittent production at Smithrock quarry	Basalt (crushed rock, riprap, jetty rock)	CLARK COUNTY E. of Fisher Sec. 7, (1-3E)
SOREN, WM. R. Route 1 Sedro Woolley, WA 98284 Limited development	Asbestos (tremolite)	SKAGIT COUNTY Lyman area S $\frac{1}{2}$ SE $\frac{1}{4}$ sec. 6, (35-6E)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
STOEN CONSTRUCTION CO. Glen J. and Milo A. Stoen, owners P. O. Box 488 Monroe, WA 98272 Current production at Monroe quarry	Basalt (riprap, crushed rock, landscape rock)	SNOHOMISH COUNTY Monroe area E $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 10, (27-6E)
Limited production at Port Angeles quarry	Basalt (riprap)	CLALLAM COUNTY Port Angeles area SW $\frac{1}{4}$ sec. 25, (30-7W)
Gate quarry	Basalt (riprap)	GRAYS HARBOR COUNTY Gate-Oakville area NE $\frac{1}{4}$ sec. 27, (16-4W)
Novelty quarry	Basalt (riprap, crushed rock)	KING COUNTY North Bend area
STOKER COAL CO. Ben, Fred L., and T. E. Martin, Jr., owners and operators Rt. 2, Box 299 Centralia, WA 98531 Production from Tono seam in 1969 and first half 1970	Coal	THURSTON COUNTY Tono area NW $\frac{1}{4}$ sec. 21, (15-1W)
STRONG & MACDONALD P. O. Box 11112 3920 Steilacoom Blvd. S.W. Tacoma, WA 98411 Current production: 12,000 T./yr.	Sandstone (rubble, rirap)	CLALLAM COUNTY Eagle Point area SE $\frac{1}{4}$ sec. 10, (32-13W)
SUNSET QUARRIES, INC. R. J. Boe, Pres. Rt. 2, Box 5800 Issaquah, WA 98027 Current production: 100,000 T./yr.	Basalt (rubble, crushed rock, landscape rock)	KING COUNTY Issaquah area W $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 5, (23-6E)
THOMAS, JOE 1530 Madrona Drive Bremerton, WA 98310 Intermittent production	Diorite (riprap)	KITSAP COUNTY Green Mountain area NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 9, (24-1W)
THOMPSON, STANLEY 211 "A" St. Box 62 Goldendale, WA 98620 Current production	Basalt (crushed rock, rubble)	KLICKITAT COUNTY Goldendale area SE $\frac{1}{4}$ sec. 16 (4-16E)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
TONASKET LIME PRODUCTS, INC. LeRoy Rothrock, Mgr. Tonasket, WA 98855 Current production	Limestone (agriculture, feed supplement, poultry grit)	OKANOGAN COUNTY 10 mi. N. of Tonasket Secs. 13, 14, (38-26E)
TRI LAKES HUMUS D. R. Iorns, owner 27060 Fall City Road Redmond, WA 98052 Current production	Peat	KING COUNTY Redmond area E $\frac{1}{2}$ NW $\frac{1}{2}$ sec. 25, (25-6E)
TUMWATER SAND & GRAVEL Ken Ulery, owner Rt. 5, Box 444B Olympia, WA 98501 Limited production	Basalt (landscape rock, crushed rock)	THURSTON COUNTY Tumwater area Center sec. 33, (18-2W)
UMPQUA RIVER NAVIGATION CO. 2280 Oakmont Way Eugene, OR 97401 Current production	Basalt (riprap, jetty rock)	CLARK COUNTY Fisher area Sec. 7, (1-3E)
UNITED PAVING CO. P. O. Box 5215 Spokane, WA 99205 Current production: 1000,000 T./yr.	Basalt (crushed rock)	WHITMAN COUNTY Pullman area NW $\frac{1}{4}$ sec. 9, (14-45E)
WALKER'S PEAT P. W. Walker, owner Rt. 13, Box 712 Olympia, WA 98501	Peat	THURSTON COUNTY Black Lake area NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 29, (18-2W)
WASHINGTON CRUSHERS, INC. P. O. Box 844 Bellingham, WA 98225 Current production: 30,000 T./yr.	Sandstone (landscape rock, crushed rock)	SKAGIT COUNTY Alger area SW $\frac{1}{4}$ sec. 4, (36-4E)
WASHINGTON GEM JADE CO. Earl R. Case, Pres. Star Route, Box 157 Darrington, WA 98241 Limited production in 1969 from Poor Boy No. 1 claim	Jade (nephrite)	SKAGIT COUNTY S $\frac{1}{2}$ SE $\frac{1}{4}$ sec. 26 (33-8E)
WASHINGTON WATER POWER CO. East 1411 Mission Spokane, WA 99202 Pacific Power & Light Co. Public Service Building Portland, OR 97204 Current development of Big Dirty coal seam	Coal	LEWIS COUNTY Hanaford Valley area S $\frac{1}{2}$ sec. 29, (15-1W)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
WENATCHEE SILICA SAND CO. E. H. Lovitt, Mgr. Box 1668 Wenatchee, WA 98801		
Current production	Sandstone (silica)	CHELAN COUNTY Squillchuck Canyon area NW $\frac{1}{4}$ sec. 21, (22-20E)
Limited production	Clay	DOUGLAS COUNTY East Wenatchee area Sec. 23, (23-20E)
WESTERN MINERALS H. P. Scheel 3314 Harbor Ave. S.W. Seattle, WA 98126 Current production from:		
Silver Lace quarry	Schist (ashlar, flagging)	CHELAN COUNTY
Strip Basalt lease	Basalt (ashlar, rubble)	GRANT COUNTY
Limited production from Rainbow claim	Talc (carving)	SKAGIT COUNTY
Skagit Green quarry	Schist (ashlar, flagging)	
Nickel Green quarry	Silica-carbonate rock (rubble)	
Current development of Dewey Smith lease	Travertine	
Recent production from Shuksan claims	Andesite (rubble)	WHATCOM COUNTY
WHITE STONE CO. Donald N. Grubb, owner 208 S. Second Ave. Chewelah, WA 99109 Crushing plant at Barstow. Current production	Dolomite (building stone, rubble, chips)	STEVENS COUNTY Kelly Hill area Sec. 13, (38-37E)
WILKESON CUT STONE CO., INC. B. P. Wellock, Gen. Mgr. P. O. Box 68 Wilkeson, WA 98396 Current production at Wilkeson quarry	Sandstone (building stone, split face ashlar)	PIERCE COUNTY At Wilkeson Sec. 27, (19-6E)
<u>ADDENDUM</u>		
GREAT NORTHERN PACIFIC PEAT CO. Shibo Hayashi Rt. 1, Thomas Lake Road Snohomish, WA 98290 Current production	Peat	SNOHOMISH COUNTY Thomas Lake area SE $\frac{1}{4}$ sec. 32, (28-5E) NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, (28-5E)

SAND AND GRAVEL OPERATIONS

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
AAA READYMIX CO., INC. P. O. Box 1044 Cascade Valley Moses Lake, WA 98837 Current production: 6,000 yds./yr.	Sand, gravel	GRANT COUNTY Cascade Valley area S $\frac{1}{2}$ sec. 5, (19-28E)
A & A Sand & Gravel Andy Abrams, owner 2108 St. Johns Blvd. Vancouver, WA 98661 Current production	Sand, gravel	CLARK COUNTY Vancouver area 11600 NW. Lower River Road
ACE CONCRETE CO. James H. Hunter, Pres. 302 N. Park Road P. O. Box 27 Spokane, WA 99210 Plant capacity: 200 yd./hr. Current production at Park Road pit	Sand, gravel, crushed gravel, concrete products, ready-mixed concrete, precast and prestressed concrete	SPOKANE COUNTY East Spokane area Pit at 302 N. Park Rd. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18 (25-44E)
ACE PAVING CO. Vernon Clauson and S. O. Christopherson P. O. Box 4100 Wycoff Station Bremerton, WA 98310 Plant capacity: 400 yd./shift. Current production	Sand, gravel, crushed gravel	KITSAP COUNTY Bremerton area SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 34, (24-1W)
ACME CONCRETE CO. 22 Cullum Ave. Richland, WA 99352	Sand, gravel, crushed rock, ready-mixed concrete	BENTON COUNTY Richland area NE $\frac{1}{4}$ sec. 23, (9-28E)
ACME CONSTRUCTION CO. Norman Harner, owner 13600 N.E. 76th St. P. O. Box 2038 Vancouver, WA 98661	Sand, gravel (sized and screened), crushed rock	CLARK COUNTY Orchards area NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 2, (2-2E)
ARLINGTON SAND & GRAVEL CO. V. M. Lee, Pres. James Lee, Secy.-Treas. P. O. Box 38 Arlington, WA 98223	Sand, gravel, crushed rock, concrete products, ready-mixed concrete	SNOHOMISH COUNTY Near Arlington N $\frac{1}{2}$ sec. 3, (31-5E)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
ASPHALT & GRAVEL PRODUCTS, INC. Bill Richards, owner Box 15 Grandview, WA 98930	Pit gravel, sand	YAKIMA COUNTY Grandview area SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 35, (9-23E)
ASSOCIATED ROCK INC. 27109 N.E. 45th Ave. Ridgefield, WA 98642 Limited production	Sand, gravel, crushed rock	CLARK COUNTY Ridgefield area
ASSOCIATED SAND & GRAVEL CO., INC. Geo. P. Duecy, Pres. Howard F. Sievers, Exec. Vice Pres. 6300 Glenwood Everett, WA 98202 Plant capacity: 200 T./hr. Current production at: Butler pit Pope & Talbot pit Arlington pit Snohomish River pit	Sand, gravel, crushed gravel, concrete products, ready-mixed concrete, asphalt paving	SKAGIT COUNTY Burlington area Secs. 8, 9, (35-4E) SNOHOMISH COUNTY Everett area E $\frac{1}{2}$ sec. 1, (28-4E) Arlington area NE $\frac{1}{4}$ sec. 2, (31-5E) Cathcart area NE $\frac{1}{4}$ sec. 7, (27-6E)
BAR SAND AND GRAVEL Frank Janicki, owner P. O. Box 25 Sedro Woolley, WA 98284 Current production	Pit sand, gravel, crushed gravel	SKAGIT COUNTY Sedro Woolley area Sec. 25, (35-4E) Burlington area Secs. 35, 36, (35-4E) Mt. Vernon area Sec. 19, (34-4E)
BAYSHORE SAND & GRAVEL Roy and Dietz Kadoun, leasees Route 3 Shelton, WA 98584	Sand, gravel	MASON COUNTY Johns Creek area Sec. 3, (20-3W)
BAYVIEW LUMBER CO. Robert E. Bush, Pres. P. O. Box 657 Elma, WA 98541	Sand, gravel	GRAYS HARBOR COUNTY Elma area SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 4, (17-6W)
BLACK TOP MATERIALS, INC. L. W. Vail, Pres. Lee Alexander, Treas. P. O. Box 847 1920 N. Fourth Pasco, WA 99301 Current production from Richland pit 80,000 T./yr.	Gravel, crushed rock, dry well rock	BENTON COUNTY Richland area NW $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 24, (9-28E) Kennewick area SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 8, (8-30E)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
BLAKE SAND AND GRAVEL Charles E. Blake, Jr. Route 2, Box 330 Sequim, WA 98382 Plant capacity: 6,000 yd./yr. Current production	Sand, gravel, ready-mixed concrete, crushed rock	CLALLAM COUNTY Sequim area Sec. 3, (30-4W) Sec. 34, (31-4W)
BLOSSOM BROTHERS CONSTRUCTION CO. P. O. Box 198 Suquamish, WA 98392	Sand, gravel	KITSAP COUNTY Keyport area SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 31 (26-2E) Illahee area NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 31, (25-2E)
BOB'S BULLDOZING Robert Peterson P. O. Box 847 Bothell, WA 98011	Sand, gravel, pit gravel, crushed gravel	SNOHOMISH COUNTY North Creek area NE $\frac{1}{4}$ sec. 18, NW $\frac{1}{4}$ sec. 17, (25-5E)
BODE'S READY MIX & GRAVEL, INC. H. P. Vanderveen and Ronald Herringa, owners 144 River Road Lynden, WA 98264	Sand, gravel, ready-mixed concrete	WHATCOM COUNTY Lynden area NE $\frac{1}{4}$ sec. 36, (40-2E)
BUILDERS SAND & GRAVEL, INC. Rt. 3, Box 138A Snohomish, WA 98290 Current operation	Sand, gravel	SNOHOMISH COUNTY 7 mi. S. of Snohomish NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18, (27-6E)
C & M AGGREGATES, INC. 64th Ave. W. and 148th S.W. Edmonds, WA 98020 Current operation	Sand, gravel	SNOHOMISH COUNTY Edmonds area Pit at same address N $\frac{1}{2}$ sec. 32, (28-4E)
CADMAN GRAVEL CO. T. W. Magnussen, Pres. Helen Q. Magnussen, Secy. Redmond, WA 98052	Sand, gravel, crushed gravel, ready-mixed concrete	KING COUNTY Redmond area SW $\frac{1}{4}$ sec. 6, (25-6E)
CAMPBELL TRUCKING, INC. Geo. L. Campbell P. O. Box 6 Forks, WA 98331 Current production	Sand, gravel, crushed gravel	CLALLAM COUNTY Forks area Sec. 9, (28-13W)
CANYON ROCK Max Smith, owner Rt. 2, Box 480 Camas, WA 98607 Current production	Pit run gravel, crushed gravel	CLARK COUNTY Washougal area NW $\frac{1}{4}$ sec. 24, (1-4E)
CANYON SAND AND GRAVEL Norman Hauge, owner 5203 East 72nd St. Tacoma, WA 98443	Pit gravel, sand	PIERCE COUNTY South Tacoma area SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 25, (20-3E)

NAME OF OPERATOR	PRODUCT	PROPERTY LOCATION
CASCADE ASPHALT PAVING CO. Everett Jensen, Pres. Ben Beuche, Supt. 6238 S. Tacoma Way Tacoma, WA 98409 Crushing capacity: 200 yd./hr. Current production	Sand, gravel, crushed gravel, asphalt paving	PIERCE COUNTY South Tacoma area SE $\frac{1}{4}$ sec. 6, (19-3E)
CASCADE READY MIX P. O. Box 466 Burlington, WA 98233 Current production from former Butler pit	Sand, gravel, ready-mixed concrete	SKAGIT COUNTY NE. of Burlington on Kelleher Road NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 16, (35-4E)
CASTLE ROCK SAND & GRAVEL CO. Robert Janisch 7924 Old Pacific Highway N. Castle Rock, WA 98611 Limited production	Pit sand, gravel	COWLITZ COUNTY Castle Rock area NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 2, (10-2W)
CENTRAL PRE-MIX CONCRETE CO. Dale Bowers, Mgr. 804 S. Broadway Box 895 Othello, WA 99344 Plant capacity: 400 yd./shift	Sand, gravel, crushed gravel, ready-mixed concrete	ADAMS COUNTY Othello area NW $\frac{1}{4}$ sec. 7, (16-29E)
CENTRAL PRE-MIX CONCRETE CO. Bob Wilson, Mgr. 2000 Beech St. P. O. Box 551 Yakima, WA 98901	Sand, gravel, ready-mixed concrete	YAKIMA COUNTY Yakima area Sec. 20, (13-19E)
CENTRAL PRE-MIX CONCRETE CO. C. W. Yoyes, Gen. Mgr. Box 6997 Kennewick, WA 99336 Plant capacity: 200 yd./shift. Current production	Sand, gravel, crushed gravel, ready-mixed concrete	FRANKLIN COUNTY Across Columbia River from Richland Sec. 12, (9-28E)
CENTRAL PRE-MIX CONCRETE CO. John W. Murphy, Pres. N. 805 Division St. Box 3366 Spokane, WA 99220 Current production at:		SPOKANE COUNTY Spokane area
Fort George Wright (No. 1) pit	Sand, gravel	On Government Way Sec. 14, (25-42E)
Mead pit	Fine sand	One mile north of Hillyard (Sec. 15, (26-43E)
Yardley (No. 2 pit)	Sand, gravel, crushed gravel	At Broadway and Havana Sec. 14, (25-43E)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
<p>CHELAN CONCRETE CO. Goehry and Godbey Rural Rt. 1, Box 24 Chelan, WA 98816 Plant capacity: 6,000 yd./yr. Current production</p>	<p>Sand, gravel, crushed gravel, ready-mixed concrete, concrete products</p>	<p>OKANOGAN COUNTY Wells Dam area SE$\frac{1}{4}$ sec. 24, (29-3E)</p>
<p>CHICO GRAVEL, INC. Bob Swackhammer, Pres. 1126 Evans Bremerton, WA 98313 Current production</p>	<p>Sand, gravel</p>	<p>KITSAP COUNTY Silverdale area NE$\frac{1}{4}$NE$\frac{1}{4}$ sec. 30, (25-1E)</p>
<p>CHURCHILL SAND & GRAVEL James H. Churchill Rt. 1, Box 22 North Bend, WA 98045 Current production</p>	<p>Pit sand, gravel</p>	<p>KING COUNTY North Bend area NE$\frac{1}{4}$NE$\frac{1}{4}$ sec. 16, (23-8E)</p>
<p>COLLINS ROAD GRAVEL 8208 - 128th St. E. Puyallup, WA 98371</p>	<p>Pit run and washed gravel</p>	<p>PIERCE COUNTY Puyallup area NE$\frac{1}{4}$NE$\frac{1}{4}$ sec. 17, (19-4E)</p>
<p>COLUMBIA CONCRETE PIPE CO. John E. Nelson III, Vice Pres. and Gen. Mgr. Foot of Ninth St. Box 427 Wenatchee, WA 98801 Plant capacity: 100 yd./hr. Current production at: Columbia pit</p>	<p>Sand, gravel, crushed gravel</p>	<p>CHELAN COUNTY Wenatchee area NW$\frac{1}{4}$ sec. 22, (23-20E)</p>
<p>Okanogan pit Bud Cress, Mgr. Box 601 Omak, WA 98841</p>		<p>OKANOGAN COUNTY Okanogan area SE$\frac{1}{4}$ sec. 4, (33-26E)</p>
<p>COLUMBIA ROCK PRODUCTS, INC. L. M. Bingham, Pres. 1635 S.E. Sixth Ave. P. O. Box 845 Camas, WA 98607 Plant capacity: 600 yd./shift. Current production</p>	<p>Sand, gravel, crushed gravel</p>	<p>CLARK COUNTY Camas area Sec. 12, (1-3E)</p>
<p>COLUMBIA SAND & GRAVEL, INC. Laurence A. McAtee, Pres., Mgr. Hazel M. Gerber, Secy.-Treas. Box G Moses Lake, WA 98837 Plant capacity: 100,000 yd./yr. Current production</p>	<p>Sand, gravel, crushed rock</p>	<p>GRANT COUNTY Moses Lake area NW$\frac{1}{4}$SE$\frac{1}{4}$ sec. 5, (19-28E)</p> <p>Royal City area SW$\frac{1}{4}$NW$\frac{1}{4}$ sec. 17, (16-26E)</p>

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
COLVILLE VALLEY CONCRETE CORP. Richard D. Connelly, owner P. O. Box 343 Colville, WA 99114 Plant capacity: 30 yd./hr. Current production at: Chewelah pit Colville pit	Sand, gravel, ready-mixed concrete, concrete products	STEVENS COUNTY Chewelah area Sec. 7, (32-41E) Colville area SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 10, (35-39E)
CONCRETE NOR'WEST, INC. M. T. Crawford, Gen. Mgr. 1021 Riverside Drive P. O. Box 280 Mount Vernon, WA 98273 Current production at: Rooks pit Samish pit	Concrete products, ready-mixed concrete Sand, gravel Sand, gravel	ISLAND COUNTY Oak Harbor area SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 24, (33-1E) SKAGIT COUNTY Belfast area SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 6, (35-4E)
CONNELL SAND & GRAVEL Andrew Biorn, owner 156 Connell Connell, WA 99326 Current production: 3,000 yds./yr.	Sand, gravel	FRANKLIN COUNTY Connell area S $\frac{1}{2}$ sec. 6, (13-33E)
CORLISS REDIMIX, INC. Harry B. Corliss, Pres. P. O. Box 36 Enumclaw, WA 98022 Plant capacity: 40 yd./hr. Current production	Sand, gravel, ready-mixed concrete	KING COUNTY Enumclaw area SW $\frac{1}{4}$ sec. 20, (20-7E)
COWDEN GRAVEL Leonard Cowden, owner 2536 Goshen Road Bellingham, WA 98225	Sand, gravel crushed gravel, ready-mixed concrete	WHATCOM COUNTY Cedarville area Sec. 28, (39-4E)
COWEEMAN CRUSHING CO. Gus Bergonzine P. O. Box 1278 Longview, WA 98632 Plant capacity: 600 yd./day Current production	Sand, gravel, crushed gravel	COWLITZ COUNTY E. of Kelso NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 31, (8-1W)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
CUNNINGHAM SAND AND GRAVEL CO., INC. John and Gary Cunningham, owners N. 6315 Cedar St. Spokane, WA 99208 Current production at:		SPOKANE COUNTY Spokane area
Cedar Street pit	Sand	N. 6315 Cedar St. Spokane
Crestline pit	Sand	N. 8500 Crestline St. Spokane
Mead pit	Sand	Mead
DAVIS SAND & GRAVEL Rt. 2, Box 117 Sequim, WA 98382 Current production: 10,000 yds./yr.	Sand, gravel, crushed rock, ready-mixed concrete	CLALLAM COUNTY Sequim area SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 7, (30-3W)
DOUG PULLAR SAND & GRAVEL Doug Pullar, owner 1837 Axton Road Bellingham, WA 98225 Current production at Axton pit	Sand, gravel, crushed gravel	WHATCOM COUNTY Laurel area SW $\frac{1}{4}$ sec. 20, (39-3E)
DUNBAR, TOM Rt. 3, Box 212 Battle Ground, WA 98604 Limited production	Gravel, crushed rock	CLARK COUNTY Battle Ground area 259th St. & 72nd Ave. N. cor. sec. 30, (4-2E)
EBY SAND AND GRAVEL CO. Ray Eby, owner 18409 Beverly Park Road Edmonds, WA 98020	Sand, gravel (washed and pit run)	SNOHOMISH COUNTY Edmonds area SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 17, (27-4E)
EDINGER GRAVEL CO., INC. S. H. Edinger, owner P. O. Box 283 Kenmore, WA 98028	Sand, gravel, crushed gravel	SNOHOMISH COUNTY Kenmore area SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 35, (27-4E)
ELLENSBURG CEMENT PRODUCTS INC. Ivan Hutchinson, Pres. P. O. Box 727 W. Seventh Ellensburg, WA 98926 Current production	Sand, gravel, crushed gravel	KITTITAS COUNTY Ellensburg area NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 29, (18-18E)
ELMER E. OLSON, INC. Henry D. Nesse, Pres. P. O. Box 905 Ephrata, WA 98823		GRANT COUNTY

(continued on following page)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
ELMER E. OLSON, INC. (continued from preceding page) Current production at: Gravel pit Sand pit	Gravel, crushed rock Sand	GRANT COUNTY Ephrata area NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 22, (21-26E) Soap Lake area SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, (22-26E)
ESTES & SON Clint Estes Twisp, WA 98856 Plant capacity: 4 yd./hr. Current production	Sand, gravel, crushed gravel, ready-mixed concrete	OKANOGAN COUNTY Twisp area Center SE $\frac{1}{4}$ sec. 17 (33-22E)
EVERETT BROS. CONSTRUCTION CO. L. R. Everett H. R. Everett P. O. Box 761 Oak Harbor, WA 98277 Current production	Sand, gravel, concrete products	ISLAND COUNTY Oak Harbor area SW $\frac{1}{4}$ sec. 13, (33-1E)
FAIRES EQUIPMENT CO., INC. H. B. Faires, Pres. John Brendel, Vice Pres. Box 662 Walla Walla Highway Colfax, WA 99111 Plant capacity: 40 yd./hr. Current production from former Foley pit	Sand, gravel, crushed gravel	WHITMAN COUNTY Colfax area Center sec. 10, (16-43E)
FIFE SAND & GRAVEL E. L. Kelley, owner 3120 Freeman Rd. E. Fife, WA 98371 Current production 10,000 yds./yr.	Sand, gravel (pit run)	PIERCE COUNTY Puyallup area SE $\frac{1}{4}$ sec. 8, (20-4E)
FRIDAY HARBOR SAND & GRAVEL CO. P. O. Box 8 Bellingham, WA 98225 Current production	Sand, gravel	SAN JUAN COUNTY Friday Harbor area San Juan Island E $\frac{1}{2}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, (35-3W) (35-3W)
FRIEND & RIKALO INC. 521 W. Curtis Aberdeen, WA 98520	Sand, gravel (crushed and pit run)	GRAYS HARBOR COUNTY Montesano area SE $\frac{1}{4}$ sec. 2, (17-8W)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
FRONTIER SAND & GRAVEL CO. Robert Harper Wm. Lumsden P. O. Box 1046 Roslyn, WA 98941 Current production	Gravel, sand, ready-mixed concrete	KITTITAS COUNTY Cle Elum area SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, (20-15E)
G & W SAND & GRAVEL, INC. 243 Olympic Drive Moses Lake, WA 98837 Current production	Sand, gravel	GRANT COUNTY Royal City area S. $\frac{1}{4}$ cor. Sec. 17, (16-26E) Mesa area NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 36, (13-30E)
GEORGE SCHMID EXCAVATING Rt. 2, Box 95 Washougal, WA 98671 Current production at Mill Plain pit	Gravel (crushed and pit run)	CLARK COUNTY Mill Plain area E $\frac{1}{2}$ sec. 30, (2-3E)
GLACIER SAND & GRAVEL CO. Peter S. Hass, Pres. W. P. Jackson, Vice Pres. - Gen. Mgr. 5975 E. Marginal Way S. Seattle, WA 98134 Plant capacity: 450 T./hr. Current production	Sand, gravel crushed gravel, specification ballast	PIERCE COUNTY Steilacoom area Secs. 20, 29, (20-2E) KING COUNTY Maury Island area Sec. 22, (22-3E)
GODBAY RED-E-MIX, INC. Vaughn B. Godbey Box 505 Brewster, WA 98812 Current production	Ready-mixed concrete	OKANOGAN COUNTY Wells Dam area SE $\frac{1}{4}$ sec. 24, (29-3E)
GOODMAN, KERMIT Rt. 5, Box 1248 Port Angeles, WA 98362	Sand, gravel	CLALLAM COUNTY Port Angeles area W. $\frac{1}{4}$ cor. sec. 8, (30-5W)
GRAHAM & MORRIS CONSTRUCTION CO., INC. E. L. Morris, Pres. R. C. Graham, Vice Pres. Box 209 Toppenish, WA 98948 Plant capacity: 300 yd./shift.	Sand, gravel, crushed gravel, ready-mixed concrete	YAKIMA COUNTY Toppenish area Sec. 32, (11-20E)
GRAYSTONE OF GRAYS HARBOR P. O. Box 83 411 S. Alder Aberdeen, WA 98520	Sand, gravel, crushed gravel	GRAYS HARBOR COUNTY Montesano area W $\frac{1}{2}$ sec. 2, (17-8W)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
GRAYSTONE OF OLYMPIA 1000 N. Washington Olympia, WA 98501 Current production at Maytown pit	Sand, gravel	THURSTON COUNTY Maytown area
GRAYSTONE OF SHELTON S. Seventh and Park Sts. Shelton, WA 98584 Current production at Shelton pit	Sand, gravel	MASON COUNTY Shelton area Secs. 13, 24, (20-4W)
H. H. OLESON, INC. 16015 Sunset Hwy. Bellevue, WA 98004 Current production: 40,000 yds./yr.	Sand, gravel	KING COUNTY Bellevue area Pit at same address
H & H SAND & GRAVEL, INC. H. H. Oleson, Pres. Hubert Hanselmann, Secy.-Treas. 15000 VanBrocklin Road Woodinville, WA 98072 Current production: 50,000-100,000 yds./yr.	Sand, gravel (pit run, screened)	KING COUNTY Woodinville area Pit at same address
HANSEN, FORREST Rt. 5, Box 804 Port Angeles, WA 98362 Current production	Pit sand, gravel	CLALLAM COUNTY Port Angeles area NW $\frac{1}{2}$ SW $\frac{1}{4}$ sec. 8, (30-5W)
HENIFIN & ASSOCIATES, INC. 2316 E. Bakersview Rd. Bellingham, WA 98225 Current production at: Bakerview Rd. pit Agate Bay pit	Sand, gravel	WHATCOM COUNTY Bellingham area NE $\frac{1}{4}$ sec. 17, (38-3E) NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 25, (38-3E)
HOLMES BROS. INC. Frank L. and Richard P. Holmes 1098 W. Marina Drive Box 788 Moses Lake, WA 98837 Plant capacity: 50 yd./hr. Current production at: Gravel pit Sand pit	Sand, gravel, crushed gravel Sand	GRANT COUNTY Moses Lake area NW $\frac{1}{4}$ sec. 11, (19-28E) Moses Lake area SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 25, (19-28E)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
HOLROYD CO., INC. James A. Holroyd, Pres. Margaret Merle Nielsen, Vice Pres. 7216 Custer Road W. Tacoma, WA 98467 Current production at:		PIERCE COUNTY
Tacoma pit	Sand, gravel crushed gravel, concrete products, ready-mixed concrete	South Tacoma area Pit at 74th and Custer
Steilacoom pit	Sand, gravel	Steilacoom area Sec. 28, (20-2E) SE $\frac{1}{4}$ sec. 22, (20-2E)
Nisqually pit	Sand, gravel, ready-mixed concrete	THURSTON COUNTY Nisqually area SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 17, (18-1E)
Port Orchard	Sand, gravel	KITSAP COUNTY
HORSLEY GRAVEL Tom Horsley, owner 1242 Delameter Road Castle Rock, WA 98611 Current production: 200 yds./mo.	Gravel, sand	COWLITZ COUNTY Castle Rock area NW $\frac{1}{4}$ sec. 23, (9-2W)
HUNSAKER SAND & GRAVEL George Hunsaker, owner Box 66 White Salmon, WA 98672 Plant capacity: 100 yd./shift. Current production	Sand, gravel, crushed gravel	KLICKITAT COUNTY Bingen area Sec. 29, (3-11E)
J. G. SHOTWELL, INC. 5908 S.E. 20th Mercer Island, WA 98040	Sand, gravel	CLALLAM COUNTY Port Angeles area SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, (30-5W)
JAMERSON GRAVEL CO. Marvin S. Jamerson, owner Rt. 1, Box 367A Rochester, WA 98579 Current production	Sand, gravel	THURSTON COUNTY Rochester area Irwin Ave. and 10th St.
JONES-SCOTT CO., INC. Jack M. Morrison, Pres. James Aylward, Secy.-Treas. 10 Third Ave. N. P. O. Box 925 Walla Walla, WA 99362 Plant capacity: 400 yd./ shift. Current production:		WALLA WALLA COUNTY Plant at N. 13th Walla Walla
Attalia pit	Sand	Attalia area Sec. 10, (7-31E)

(continued on following page)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
JONES-SCOTT CO., INC. (continued from preceding page)		WALLA WALLA COUNTY
Walla Walla pit	Gravel	N. 13th Walla Walla SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 19, (7-36E)
Gravel pit	Gravel	Dell Street Walla Walla
KAMPE SAND & GRAVEL CO. Robert and Ray Hartley, owners 1503 N.E. 65th St. Vancouver, WA 98665 Current production	Sand	CLARK COUNTY On W. River Road NE $\frac{1}{4}$ sec. 19, (2-1E)
KINGSBURY'S RED-E-MIX Ralph H. Kingsbury, owner Rt. 2, Box 360-C Port Orchard, WA 98366 Current production	Sand, gravel, crushed gravel, ready-mixed concrete	KITSAP COUNTY Purdy area NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, (22-1E)
KIRKLAND SAND & GRAVEL, INC. Lyle and Gary Stubenrauch, Van and D. O. Smith, owners N.E. 108th Box 214 Kirkland, WA 98033 Current production	Sand, gravel concrete products, ready-mixed concrete	KING COUNTY At Kirkland NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, (26-5E)
KLINELINE SAND & GRAVEL CO. Dick B. McCord, Pres. L. N. Berry, Secy. 1508 N.E. 117th St. Vancouver, WA 98665 Current production	Sand, gravel, crushed gravel, asphaltic mix	CLARK COUNTY Salmon Creek area SW $\frac{1}{4}$ sec. 26, (3-1E)
KRESS SAND & GRAVEL George Kress, owner 107 Kalama River Rd. Kalama, WA 98625 Current production: 100,000 yd./yr.	Sand (pit run), gravel, shale	COWLITZ COUNTY Kalama area S $\frac{1}{2}$ sec. 31, (7-1W)
LAKESIDE GRAVEL CO., INC. Rhoady Lee, Jr., Pres. and Gen. Mgr. 13620 Sunset Highway P. O. Box 7 Bellevue, WA 98004 Current production at Issaquah pit	Sand, gravel, crushed gravel, ready-mixed concrete	KING COUNTY Issaquah area NW $\frac{1}{4}$ sec. 27, (24-5E)
LEWIS RIVER SAND & GRAVEL A. E. Maynard and son, owners 3101 Lewis River Road Woodland, WA 98674 Plant capacity: 350 yd./day Current production	Sand, gravel, crushed gravel	COWLITZ COUNTY 4 mi. NE. of Woodland N $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 10, (5-1E)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
LIBBEY CONSTRUCTION CO. Wayne Libbey, owner Coupeville, WA 98239 Current production at Good Beach pit	Sand, gravel crushed rock, ready-mixed concrete	ISLAND COUNTY Coupeville area SE $\frac{1}{4}$ sec. 32, (32-1E)
LIGE DICKSON CO. 3315 S. Pine Tacoma, WA 98409 Current production: 200,000 T./yr.	Gravel (crushed rock)	PIERCE COUNTY Tacoma-Puyallup area Tacoma 48th and Waller Road NW $\frac{1}{4}$ sec. 23 (20-3E) S. Tacoma Way & Sprague SE $\frac{1}{4}$ sec. 7, (20-3E) Puyallup Ninth and 112th S. $\frac{1}{4}$ cor. sec. 3, (19-4E)
LINCOLN TRANSIT MIX, INC. J. K. McPherson, Pres. Box 48 Wilbur, WA 99185 Current production at Grand Coulee pit	Gravel, ready-mixed concrete	GRANT COUNTY Grand Coulee area Sec. 12, (29-30E)
LIND GRAVEL CO. Charles E. Lind, Oper. Mgr. and Pres. Mrs. Russell E. Lind, Secy.-Treas. P. O. Box J Bellingham, WA 98225 Current production at Squalicum pit	Sand, gravel, crushed gravel, ready-mixed concrete	WHATCOM COUNTY At Bellingham Foot of West Street Sec. 24, (38-2E)
LLOYD'S OF WASHINGTON, INC. 711 Auburn Way S. Auburn, WA 98002	Gravel	KING COUNTY Auburn area SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 11, (21-5E)
LOPEZ SAND & GRAVEL Robert J. Olson, owner Rt. 1, Box 175 Lopez, WA 98261	Sand, gravel	SAN JUAN COUNTY Lopez Island NW $\frac{1}{4}$ sec. 24, (35-2W)
LYNDEN READY MIX Jerry Doornenbal 8597 Depot Road Lynden, WA 98264 Current production	Sand, gravel, ready-mixed concrete	WHATCOM COUNTY Lynden area SW $\frac{1}{4}$ sec. 21, (40-3E)
LYNNWOOD SAND & GRAVEL W. L. Parry, owner 18407 Beverly Park Rd. Edmonds, WA 98020 Current production: 50,000 yd./yr.	Sand, gravel (pit run)	SNOHOMISH COUNTY Edmonds area Pit at same address

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
M & C ENTERPRISES, INC. J. W. Melrose, Pres. 9800 Highway 99 S. Everett, WA 98201 Intermittent production at: Getchell pit H. O. S. pit Walker pit Werder pit	Pit gravel	SNOHOMISH COUNTY Everett area SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 22, (30-6E) SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 30, (28-5E) SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 30, (28-5E) SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 25, (28-6E)
MARINE ASPHALT CO., INC. Roscoe Washburn, Pres. Route 3, Box 735 Anacortes, WA 98221 Crushing capacity: 200,000 yd./yr. Current production	Sand, gravel, crushed rock	SKAGIT COUNTY Anacortes area S $\frac{1}{2}$ SE $\frac{1}{4}$ sec. 35, (35-1E)
MARTIN SAND & GRAVEL Fred L. Martin W. Reynolds Road Rt. 2, Box 299 Centralia, WA 98531 Current production: 1000,000 yd./yr.	Sand, crushed and sized gravel	THURSTON COUNTY Rochester area Second and Sargeant Rd. SE $\frac{1}{4}$ sec. 34, (16-3W)
MATHESON SAND & GRAVEL CO. Harold W. Matheson, owner Box 6437 Kennewick, WA 99336 Plant capacity: 30 yd./hr. Current production	Sand, gravel crushed gravel	BENTON COUNTY Kennewick area E $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 8, (8-30E)
MAYER, J. I. 1005 - 15th Anacortes, WA 98221	Sand, gravel	SKAGIT COUNTY Anacortes area N $\frac{1}{2}$ SW $\frac{1}{4}$ sec. 25, (35-1E)
MEL HICKS CONSTRUCTION 7178 Dahlberg Road Ferndale, WA 98248 Current production at Agate Bay pit	Sand, gravel	WHATCOM COUNTY Bellingham area NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 25, (38-3E)
MIKE HAGARA & SONS CONSTRUCTION CO. 7006 Harrison Road Aberdeen, WA 98520 Current rproduction from Aberdeen pit	Sand, gravel	GRAYS HARBOR COUNTY Aberdeen area SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16, (17-9W)
MILES SAND & GRAVEL CO. Frank L. Miles, Gen. Mgr. 12th and "M" St. S. E. Auburn, WA 98002 Plant capacity: 2,000 yd./shift.		KING COUNTY

(continued on following page)

<u>NAME OF OPERATIONS</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
MILES SAND & GRAVEL CO. (continued from preceding page)		KING COUNTY
Current production at:		
Mead	Sand, gravel, crushed gravel, ready-mixed concrete	Auburn area SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19, (21-5E)
Shaughnessy pit	Sand, gravel, crushed gravel	NW $\frac{1}{4}$ sec. 29, (21-5E)
Heisserman pit	Pit run gravel	SE $\frac{1}{4}$ sec. 32, (21-5E)
MILL PLAIN ROCK CO. 12701 N.E. 114th St. Vancouver, WA 98662 Plant at S.E. First, 1 mile east of 164th Ave. Current production: 20,000 yd./yr.	Sand, gravel, crushed rock	CLARK COUNTY Vancouver area E $\frac{1}{2}$ sec. 30, (2-3E)
MILLER LIME CO. Leslie B. Miller P. O. Box 166 Gold Bar, WA 98251	Sand, gravel (pit run)	SNOHOMISH COUNTY Gold Bar area SE $\frac{1}{4}$ sec. 16, (27-9E)
MILWAUKIE SAND & GRAVEL CO. 1635 S. E. McLaughlin Blvd. Milwaukie, OR 97222 Current production	Sand, gravel	CLARK COUNTY Vancouver area Sec. 13, (2-1W) Sec. 11, (1-3E)
MONROE SAND & GRAVEL 19132 Stevens Pass Hwy. Monroe, WA 98272 Current production: 48,000 yd./yr.	Sand, gravel Sand	SNOHOMISH COUNTY Monroe area N $\frac{1}{2}$ sec. 14, (27-6E) Silver Lake area SW $\frac{1}{4}$ sec. 30, (28-5E)
MORRILL ASPHALT PAVING CO., INC. Rt. 2, Box 2057 Wenatchee, WA 98801	Sand, gravel	CHELAN COUNTY Malaga area S $\frac{1}{2}$ sec. 27, (22-21E)
MORRISON GRAVEL CO. Donald L. Morrison, owner Route 3, Box 202 Port Orchard, WA 98366	Sand, gravel	KITSAP COUNTY S. of Port Orchard area E $\frac{1}{2}$ sec. 23, (23-1E)
MORRISON-KNUDSEN CO., INC. Hoge Building Second and Cherry Seattle, WA 98104 Current production from Maury Island pit	Sand, gravel	KING COUNTY Maury Island area Sec. 21, (22-3E)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
MOUNTAIN VIEW SAND & GRAVEL 15619 Woodinville-Duvall Rd. Woodinville, WA 98072 Current production: 25,000 yd./yr.	Sand, gravel (pit run)	KING COUNTY Woodinville area
MULKA GRAVEL CO. Victor R. Mulka 1561 Hannegan Road Bellingham, WA 98225 Current production at Bakerview pit	Sand, gravel	WHATCOM COUNTY Bellingham area SE $\frac{1}{4}$ sec. 8, (38-3E)
N. A. DEGERSTROM, INC. N. 1420 Maple St. Spokane, WA 99210 Current production: 60,000 T./yr.	Sand, gravel	SPOKANE COUNTY Marshall area SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16, (24-42E)
NICHOLS, R. H. Kettle Falls, WA 99141 Limited production	Pit sand, gravel	STEVENS COUNTY E. of Colville Sec. 11, (35-39E)
NORTH KITSAP GRAVEL & ASPHALT CO. Oliver Lanning, Pres. Rt. 2, Box 700 Poulsbo, WA 98370 Current production	Sand, gravel, crushed gravel	KITSAP COUNTY Lofall area Sec. 9, (26-1E) NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 27, (27-1E)
Intermittent production	Sand, gravel	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26, (27-1E)
NORTH STAR SAND & GRAVEL Fred Legg, Mgr. Tom Colson, Sales Mgr. Box 398 Lynnwood, WA 98036	Sand, gravel crushed gravel, concrete aggregates	SNOHOMISH COUNTY 3 mi. NE. of Paine Field Secs. 1, 2, (28-4E)
O & K TRUCKING CO. Clifford Kyllonen, Pres. Phillip Oliphant, Vice Pres. 2520 N. E. 34th St. Olympia, WA 98501 Limited production	Gravel	THURSTON COUNTY Olympia area SE $\frac{1}{4}$ sec. 6, (18-1W)
OLYMPIA OIL AND WOOD PRODUCTS CO., ASPHALT DIVISION Paul Malleck, Supt. P. O. Box 27 Olympia, WA 98501 Current production at:	Sand, gravel, crushed gravel, asphalt paving	THURSTON COUNTY Olympia area
West Olympia pit		N $\frac{1}{2}$ sec. 21, (18-2W)
Sjobergen pit		Center sec. 13, (17-2W)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
OLYMPIA SAND & GRAVEL CO. P. O. Box 1517 Olympia, WA 98501	Sand, gravel, crushed gravel, ready-mixed concrete	THURSTON COUNTY Lacey area NW $\frac{1}{4}$ sec. 10, (18-1W)
OROVILLE TRANSIT MIX, INC. La Mar Wolley, owner Box 490 Oroville, WA 98844 Current production at Osoyoos Lake area	Sand, gravel, ready-mixed concrete	OKANOGAN COUNTY Oroville area Sec. 10, (39-27E) NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, (40-27E)
PACIFIC NORTHWEST AGGREGATES INC. Larry Garside, Pres. Box 435 The Dalles, OR 97058	Gravel, sand	KLICKITAT COUNTY Avery area N $\frac{1}{2}$ sec. 14, (2-14E)
PACIFIC SAND & GRAVEL CO. Harold La Brie, Mgr. P. O. Box 699 Centralia, WA 98531 Current production at:		
Blakeslee Junction pit	Sand, gravel, crushed gravel	LEWIS COUNTY S $\frac{1}{2}$ sec. 31, (15-2W)
Olympia pit	Sand, gravel, crushed gravel	THURSTON COUNTY NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 10, (18-1W)
Shelton pit	Sand, gravel, crushed gravel	MASON COUNTY NW $\frac{1}{4}$ sec. 13, (20-4W)
PARKER SAND & GRAVEL CO. Larry DeBlasio, owner P. O. Box 282 Parker, WA 98939	Sand, gravel	YAKIMA COUNTY Parker area E $\frac{1}{2}$ sec. 20, (12-19E)
PETER KIEWIT SONS' CO. P. O. Box 1777 Vancouver, WA 98662 Current production	Gravel	CLARK COUNTY E. of Vancouver SW $\frac{1}{4}$ SE $\frac{1}{4}$, sec. 30, (20-3E)
PILCHUCK SAND & GRAVEL CO. Roy E. Dalton 11924 Three Lakes Road Snohomish, WA 98290 Plant capacity: 2,000 yd./mo.	Pit sand, gravel, crushed gravel	SNOHOMISH COUNTY 1 mi. NE. of Snohomish Sec. 8, (28-6E)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
PIONEER SAND AND GRAVEL CO. K. A. Stotler, Vice Pres. 901 Fairview Ave. N. P. O. Box 1881 Seattle, WA 98111 Harry W. Kemery, Plant Mgr. P. O. Box 3324 Tacoma, WA 98499 Plant capacity: 2,000 T./hr. Current production at Pioneer pit	Sand, gravel, crushed gravel	PIERCE COUNTY Steilacoom area Secs. 20, 29, (20-2E)
PRE-MIX CONCRETE CO. Margie Stewart, owner 1010 E. Bruneau Ave. Kennewick, WA 99336 Current production: 75,000 yd./yr.	Sand, gravel	BENTON COUNTY Richland area Sec. 7, (9-28E) Lots 3, 4, 5, sec. 12, (9-28E)
PUGET SOUND SURFACERS, INC. Michael P. Shaw, Pres. P. O. Box 273 Hadlock, WA 98339	Sand, gravel	JEFFERSON COUNTY Hadlock area NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11, (29-1W)
PULLAR, LAWRENCE 1809 Axton Road Bellingham, WA 98225	Sand, gravel	WHATCOM COUNTY Laurel area SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 20, (39-3E)
QUIGG BROS-McDONALD, INC. 1500 Riverside Ave. Box 480 Hoquiam, WA 98550 Current production at Montesano pit	Sand, gravel, crushed gravel	GRAYS HARBOR COUNTY Melbourne area Sec. 18, (17-7W) Sec. 13, (17-8W)
RANDALL KILMER CONSTRUCTION CO. 221 Forest Ave. Port Angeles, WA 98362	Sand, gravel	CLALLAM COUNTY Port Angeles area NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, (30-5W)
REDMOND SAND & GRAVEL CO. 16,600 N.E. 77th Redmond, WA 98052	Sand, gravel	KING COUNTY Redmond area S $\frac{1}{2}$ sec. 7, (25-6E)
RED-SAMM MINING CO., INC. Larry Morrison, Mgr. P. O. Box 1379 Bellevue, WA 98009	Gravel (crushed rock, asphalt paving)	KING COUNTY Redmond area SE $\frac{1}{4}$ sec. 7, (25-6E)
RED'S ROCK SAND & GRAVEL W. M. Shankholtzer, owner Rt. 1 Battle Ground, WA 98604 Current production	Gravel, crushed gravel	CLARK COUNTY Battle Ground area County Road 57 and Pender Road

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
REID SAND AND GRAVEL, INC. Robert G. Reid, Pres. P. O. Box 922 Bellevue, WA 98004 Current production: 150 T./hr.	Pit sand, gravel, ready-mixed concrete	KING COUNTY Issaquah area SE $\frac{1}{4}$ sec. 21, (24-6E)
RENTON SAND & GRAVEL CO. 55 S. W. 12th Renton, WA 98055 Current production: 2500 yd./mo.	Sand, gravel,	KING COUNTY Houghton area Pit at 180 Lake Wash- ington Blvd. N.E. SW $\frac{1}{4}$ sec. 17, (25-5E)
RICH SAND & GRAVEL Arthur P. and Roy L. Rich Box 1156 Wenatchee, WA 98801 Plant capacity: 75 yd./hr. Current production	Sand, gravel, crushed gravel	DOUGLAS COUNTY Rock Island area Sec. 20, (22-21E)
RILEY'S SAND & GRAVEL Alvin A. Riley Rt. 3, Box 1150 Hoquiam, WA 98550 Intermittent production	Sand, gravel	GRAYS HARBOR COUNTY Copalis Crossing area Sec. 21, (19-11W)
RIVERSIDE SAND & GRAVEL Louis F. Matheson, owner 3612 Norton Everett, WA 98201	Sand, gravel, crushed gravel	SNOHOMISH COUNTY Machias area SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 29 (29-6E)
ROCK & SAND, INC. Nick Romano, Pres. 6518 Ravenna Ave. N.E. Seattle, WA 98115 Current production	Crushed gravel	KING COUNTY SE. of Kent SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 3, (21-5E)
ROSS SAND & GRAVEL CO., INC. G. E. Ross, Pres. P. O. Box 156 Marysville, WA 98270 Plant capacity: 750 yd./shift. Current production at Munson and Arlington pits	Sand, gravel, crushed gravel, ready-mixed concrete	SNOHOMISH COUNTY Marysville area S $\frac{1}{2}$ sec. 11, (30-5E)
ROY ZIMMERLY EXCAVATING 8915 N.E. 130th Ave. Vancouver, WA 98662 Current production at 155th Ave. near E. 18th St.	Gravel (pit run)	CLARK COUNTY Vancouver area Sec. 24, (2-2E)
SAMDAL-FLATT, INC. 4041 Pleasant Hill Road Kelso, WA 98626 Current production	Sand (pit run)	COWLITZ COUNTY Kelso area At Pleasant Hill

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
SAMPSON SAND & GRAVEL Harlan Sampson, owner Rt. 3, Box 108 Moses Lake, WA 98837 Limited production	Sand, gravel, crushed gravel, mortar sand	GRANT COUNTY O'Sullivan Dam area NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 1, (17-28E)
SEA ISLAND SAND & GRAVEL Rt. 1, Box 27-B Eastsound, WA 98245 Current production	Sand, gravel	SAN JUAN COUNTY Eastsound area Orcas Island Near NE. cor. sec. 14 (37-2W)
SEA-TAC ASPHALT CO., INC. 12843 NE. 14th Place Bellevue, WA 98004 Current production	Sand, gravel (pit run, crushed)	KING COUNTY Auburn area SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 3, (21-5E)
SKAGIT SAND & GRAVEL CO. Mailand Strank, owner 1825 N. Stackpole Road Mt. Vernon, WA 98273 Produced in 1969 Inactive in 1970	Sand (mortar)	SKAGIT COUNTY Mt. Vernon area S $\frac{1}{2}$ sec. 8, (34-4E)
SMITH BROS. Calvin and Doris Smith Rt. 2, Box 92 Battle Ground, WA 98604 Crushing capacity: 60 yd./hr.	Sand, gravel, drain rock, crushed gravel	CLARK COUNTY Orchards area Center sec. 3, (2-2E)
SNELL, AL R. 1107 North "E" St. Aberdeen, WA 98520 Current production at:		GRAYS HARBOR COUNTY
Junction City pit	Sand, gravel	Junction City area S $\frac{1}{2}$ sec. 11, (17-9W)
Central Park pit	Sand, gravel	Central Park area Secs. 17, 18, (17-8W)
SNOHOMISH SAND & GRAVEL, INC. Jack E. and Donald A. Stobb P. O. Box 227 Fourth and Cypress Sts. Snohomish, WA 98290 Current production: 10,000-12,000 yd./yr.	Sand, gravel, ready-mixed concrete	SNOHOMISH COUNTY Snohomish area S $\frac{1}{2}$ NE $\frac{1}{4}$ sec. 18, (28-6E)
SOOS CO. Iddings Farm Service, Inc. 8448 S. 208th Kent, WA 98031 Current production: 50,000 yd./yr.	Sand, gravel (pit run)	KING COUNTY Auburn area Hwy. 18 at 296th Sec. 3, (21-5E)

NAME OF OPERATOR	PRODUCT	PROPERTY LOCATION
SORENSEN GRAVEL CO. Clifford Sorenson Rt. 1, Box 1006 Toledo, WA 98591 Current production	Gravel (pit run)	LEWIS COUNTY Toledo area SW $\frac{1}{4}$ sec. 17, (11-1W)
SPOKANE SAND AND GRAVEL CO. Donald Herak, Mgr. Box 2503, Terminal Annex Spokane, WA 99220 Current production at:	Sand, gravel, crushed rock	SPOKANE COUNTY Spokane area
Broadway pit 80,000 yd./yr.	Sand, gravel	5204 E. Broadway SE $\frac{1}{4}$ sec. 14, (25-43E)
Carnahan pit 20,000-40,000 yd./yr.	Sand	Eighth and Carnahan NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, (25-43E)
STANDARD MINING & DEVELOPMENT CORP. 1601 W. Valley Hwy. Auburn, WA 98002 Current production: 125,000 yd./yr.	Sand, gravel	KING COUNTY Auburn area NW $\frac{1}{4}$ NE $\frac{1}{4}$, sec. 11, (21-4E) NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 11, (21-4E)
STANWOOD REDI-MIX, INC. Stan Kazen, Pres, 3124 - 188th St. N.E. Arlington, WA 98223	Sand, gravel (pit run, washed), ready-mixed concrete	SNOHOMISH COUNTY Silvana area Sec. 1, (31-4E)
Current production from: Shane Bar Brekus Bar		
STERGION CONCRETE PRODUCTS Chris Stergion 901 Stevenson Enumclaw, WA 98022	Sand, gravel, concrete products	KING COUNTY Enumclaw area East end of SE. 440th St.
STONEWAY CONCRETE, INC. P. O. Box 509 Renton, WA 98055 Plants at:	Sand, gravel, crushed rock,	KING COUNTY
Renton 200 yd./hr. Kent Highlands 350 yd./hr. Elliott 300 T./hr.		
Current production at:		
Kent Highlands pit		W $\frac{1}{2}$ NE $\frac{1}{4}$ sec. 15, (22-4E)
Cavanaugh pit		NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, (23-5E)
Vershnik pit		NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 32, (23-6E)
Northern Pacific pit		NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, (23-6E)
Elliott pit		SE $\frac{1}{4}$ sec. 22, (23-5E)
Renton pit		E $\frac{1}{2}$ sec. 17, (23-5E)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
STOTTS, JOHN R. Box 172 Curlew, WA 98118	Pit sand, gravel, ready-mixed concrete	FERRY COUNTY Curlew area NE $\frac{1}{4}$ sec. 35, (39-33E)
TAHJA, ARNOLD Rt. 1, Box 150 Hoodsport, WA 98548	Sand, gravel, ready-mixed concrete	MASON COUNTY Hoodsport area SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 31, (23-3W)
TENNYSON, J. L. Rt. 4, Box 453 Mount Vernon, WA 98273	Pit gravel	SKAGIT COUNTY 2 mi. S. of Clear Lake N. $\frac{1}{4}$ cor. sec. 14, (34-4E)
THOMPSON, WAYNE Rt. 1, Box 9 Granger, WA 98932	Pit gravel, sand	YAKIMA COUNTY Granger area SE $\frac{1}{4}$ sec. 17, (10-21E)
TRIANGLE SAND & GRAVEL CO., INC. Louis Leita, Pres. 3217 River Road Yakima, WA 98902	Pit gravel, sand	YAKIMA COUNTY Yakima area SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 10, (14-18E)
TIM CORLISS AND SON CO. Harry B. Corliss Route 1 P. O. Box 487 Sumner, WA 98390 Plant capacity: 100 T./hr. Current production from:	Sand, gravel, crushed gravel, ready-mixed	PIERCE COUNTY
Sumner pit	Sand, gravel, crushed gravel	Sumner area SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 20, (20-5E)
Puyallup pit	Sand, gravel, crushed gravel	2 mi. N. of Puyallup NW $\frac{1}{4}$ sec. 16, (20-4E)
TOM MARTIN EXCAVATION 3900 Alonna Dr. Olympia, WA 98501	Sand, gravel	THURSTON COUNTY Lacey area NE $\frac{1}{4}$ SE $\frac{1}{4}$, sec. 9, (18-1W)
TUCCI & SONS, INC. 4224 Waller Rd. E. Tacoma, WA 98443 Current production: 100,000 T./yr.	Gravel (crushed rock)	PIERCE COUNTY S. Tacoma area 96th and Hosmer S. Tacoma area 112th and Airport
TUMWATER SAND & GRAVEL Ken Ulery, owner Rt. 5, Box 444B Olympia, WA 98501 Limited production	Sand, gravel	THRUSTON COUNTY East Olympia area E $\frac{1}{2}$ SW $\frac{1}{4}$ sec. 6, (17-2W)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
TWIN CITY PREMIX, INC. Don Ross, Mgr. 1355 Chestnut Clarkston, WA 99403 Plant at 16th and Chestnut Plant capacity: 40 yd./hr. Current production	Sand, gravel, crushed gravel, ready-mixed concrete Sand	ASOTIN COUNTY E. edge of Clarkston NW $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 29, (11-46E)
VALLEY CONCRETE CO. Pat Hughes, owner Monroe, WA 98272 Plant capacity: 150 yd./hr. Current production at Monroe pit	Sand, gravel, crushed gravel, ready-mixed concrete	6 mi. E. of Clarkston N $\frac{1}{2}$ SW $\frac{1}{4}$ sec. 21, (11-45E)
VALLEY READY-MIX CONCRETE CO. Martin and Howard Drollinger 503 W. Main Grandview, WA 98930 Current production at: Sunnyside pit Grandview pit	Ready-mixed concrete Sand, gravel, crushed gravel Sand	YAKIMA COUNTY Sunnyside area Sec. 8, (9-22E) Grandview area NW $\frac{1}{4}$ sec. 34, (9-23E)
VASHON SAND & GRAVEL Jim and Arnold Persinger, owners P. O. Box 182 Vashon, WA 98070	Sand, gravel (pit run)	KING COUNTY Maury Island SE $\frac{1}{4}$ sec. 21, (22-3E)? Vashon area SE $\frac{1}{4}$ sec. 5, (22-3E)?
VERBECK BROTHERS, INC. Don Verbeck, Mgr. Tonasket, WA 98855 Crushing capacity: 100 T./hr. Current production	Sand, gravel, crushed gravel	OKANOGAN COUNTY Tonasket area NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 16, SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 17, (37-27E)
WASHINGTON ASPHALT CO. 309 N.W. 39th Seattle, WA 98107 Plant capacity: 150-200 T./hr.	Sand, gravel	SNOHOMISH COUNTY Monroe area SW $\frac{1}{4}$ sec. 3 and NW $\frac{1}{4}$ sec. 10, (27-6E)
WATTERS CONCRETE PRODUCTS 925 North Highway St. Helens, OR 97051 Current production	Sand, gravel	CLARK COUNTY Woodland area (4-1W) (5-1W)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
WENATCHEE SAND & GRAVEL CO. 1501 S. Wenatchee Ave. P. O. Box 119 Wenatchee, WA 98801	Gravel (pit run)	CHELAN COUNTY Malaga area S $\frac{1}{2}$ sec. 27, (22-21E)
WESTERN SAND & GRAVEL CO. Paul H. Smith, Pres. Route 2, Box 1205 Maple Valley, WA 98038 Plant capacity: 110 yd./hr. Current production at:		KING COUNTY
Maple Valley pit	Sand, gravel, crushed gravel, ready-mixed concrete	Maple Valley area NE $\frac{1}{4}$ sec. 16, (22-6E)
Cedar Grove pit	Sand, gravel (washed and pit run)	Cedar Grove area NE $\frac{1}{4}$ sec. 32, (23-6E)
WHATCOM BUILDERS SUPPLY CO. Thomas P. Nash, Pres. Box 646 Lynden, WA 98264	Sand, gravel, crushed gravel	WHATCOM COUNTY Laurel area SE $\frac{1}{4}$ sec. 20, (39-3E)
WILDER CONSTRUCTION CO., INC. Charles V. Wilder, Pres. 1840 State St. Bellingham, WA 98225 Current production at:	Sand, gravel, crushed gravel, ready-mixed concrete	WHATCOM COUNTY
Pole Road pit		Everson area SW $\frac{1}{4}$ sec. 1, (39-3E)
Axton Road pit		Laurel area SE $\frac{1}{4}$ sec. 19, SW $\frac{1}{4}$ sec. 20, (39-3E)
WILLIAMS, W. C. 2906 Old Snohomish Hwy. Snohomish, WA 98290	Sand, gravel	SNOHOMISH COUNTY 4 mi. N. of Snohomish SE $\frac{1}{4}$ sec. 29, (29-6E)
WOODWORTH & CO., INC. J. A. Woodworth, Pres. 1200 East "D" St. Tacoma, WA 98421 Current production at:		PIERCE COUNTY
Hylebos pit	Sand, gravel	N. of Fife SW $\frac{1}{4}$ sec. 25, (21-3E)
Lakeview pit	Sand	Lakeview Park NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 9, (19-4E)
	Sand, gravel	South Tacoma area NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 6, (19-3E)

<u>NAME OF OPERATOR</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
YAKIMA CEMENT PRODUCTS CO. Hans M. Skov, Pres. Bill Douglas, Gen. Mgr. 1202 S. First St. P. O. Box 436 Yakima, WA 98901 Current production at: Yakima pit Crushing capacity: 250 T./hr.	Concrete products, ready-mixed concrete, asphalt paving	YAKIMA COUNTY Yakima area
	Sand, gravel, crushed rock	E. side of Yakima River NW $\frac{1}{4}$ sec. 6, (13-19E)
*COUNTY PITS AND QUARRIES Current production	Sand, gravel, crushed rock	Various locations throughout the State
WASHINGTON STATE Department of Highways	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.

PROPERTY INDEX

Metallic Properties

<u>Name</u>	<u>Page</u>
Admiral Consolidated mine see Admiral Consolidated Mining Co.	13
Antimony Queen mine see Belus, Martin L.	14
Apache mine see Nesco Mining Corp.	20
Bales mine see Smith, Robert and Wade	22
Big Iron mine see Copper Chief Mining Co.	15
Billy Goat see Cominco American Inc.	15
Bluebird mine see Arco Industries	14
Bluebird mine see Como Mine, Inc.	15
Bodie mine see Geo-Mineral Exploration Co.	16
Bonnie Bess prospect see Richie, William	21
Buckhorn (Magnetic) mine see Spartan Exploration Ltd.	23
Burbank property see Sidney Mining Co.	21
Casteel mine see Silver Crown Mining Co.	22
Caldo prospect see Caldo Mining Co.	15
Chewelah Silver prospect see Alm, Ole	13
Cle Elum iron deposit see Inland Copper Ltd.	18
Cleveland mine see Cleveland Silver Mines, Inc.	15
Condor (Clipper) prospect see Middle Fork Copper of Washington, Inc.	19
Condor (Clipper) prospect see Natural Resources Development Corp.	20
Copper Find group see Northwood Inc.	20
Copper King mine see Vee-Gee Mining Co., Inc.	24
Copper Knob prospect see Bailes, Loyal F.	14
Curtin property see Trojan Exploration & Development Co., Inc.	23
Daisy mine see Arco Industries	14
Daisy mine see Wellhoff, R. J.	24
Dead Goat prospect see Inspiration Development Co.	18
Deer Trail group see Mercator Inc.	19
Diamond claim see Valumines Inc.	24
Eagle-Newport mine see Silver King Mining and Milling Co.	22
Edna mine see Fargo Mining Corp.	16
El Caliph mine see Hillside Mines Inc.	17
Flag Hill mine see Hillside Mines, Inc.	17
Gladstone mine see Lotze, A. G.	19
Golden Arrow mine see Gourlie, Walter	17
Gubser prospect see Silver Peak Mining Co.	22
Hubbard mine see Silver Crown Mining Co.	22
Hughes group see Hughes, Chester	18
Iroquois mine see Mines Management, Inc.	19
Ivanhoe mine see Old Channel Placers Inc.	20
Kelly mine see Rockne, M. and Porath, L.	21
Kelsey property see Superior Mining Co.	23
Knob Hill and Gold Dollar see Knob Hill Mines, Inc.	18

<u>Name</u>	<u>Page</u>
La Sota (Bromide) prospect see La Sota, Felix P.	19
Lead Hill (Bunker Hill) mine see LaSota, Felix P.	19
Lesley group see Inspiration Development Co.	18
Little Chief mine see Nesco Mining Corp.	20
Little Giant prospect see Grant, Ben	17
Lone Star mine see Silver Consolidated Mining Co.	21
Lone Star mine see Falconbridge Nickel Co.	16
Lone Star mine see Israel Continental Oil Co., Ltd.	18
Lucky Knock mine see Magill, E. A.	19
Mackinaw mine see Nickel Hill Mines, Ltd.	20
Maybee mine see Warner, L. O.	24
Midnite mine see Dawn Mining Co.	16
Mineral Hill group see Cyprus Mines Corp.	15
Miners Queen prospect see Grant, Alan R.	17
Minnie mine see Blockson, F. C.	14
Mohawk prospect see Timberline Mining & Milling Co.	23
Mono mine see Mono Mine Inc.	20
Montana mine see Gibson, George	17
Morning mine see Russell's Marie Silver Lead, Inc.	21
Morning Glory mine see Hillside Mines, Inc.	17
Myerah mine see Jensen, George	18
New Light mine see Western Gold Mining, Inc.	24
Noisy Creek claims see Costa, George	15
Orazada mine see Galbraith, Glen	16
Pend Oreille mine see Pend Oreille Mines & Metals Co.	21
Phil Sheridan mine see Hillside Mines, Inc.	17
Quartz Creek mine see Gilbreath, M. F.	17
Ramore mine see Union Pacific Railroad	23
Red Mountain mine see Citation Copper Mines, Inc.	15
Red Spur prospect see Feist, Tony	16
Rex (Rogers) mine see Reed, Loren W.	21
Romulus mine see Tiparillo Silver Mine	23
Sampson property see Duval Corp.	16
Silver Crescent group see Silver Crescent Mining Co.	22
Silver King group see Silver King Mining and Milling Co.	22
Silver Star prospect see Giant Minerals Corp.	17
Sonny Boy mine see Hughes, Chester	18
Spaulding-Silver Queen group see Natural Resources Development Co.	20
Stafford Creek prospect see Allison Pass Mining Ltd.	13
Starr mine see Bear Creek Mining Co.	14
Sunrise property see Brenmac Mines Ltd.	14
Van Stone mine see American Smelting & Refining Co.	13
Walla group see American Exploration & Mining Co.	13
Wasco mine see Arco Industries	14
Wasco mine see Picard, Bernard	21
Wells Fargo mine see Fargo Mining Corp.	16
Williams Creek Fraction see Kirsch, J. Jack	18
Wind River mine see Jolley, Tony	18

PROPERTY INDEX
Nonmetallic Properties

<u>Name</u>	<u>Page</u>
Addy dolomite see Aluminum Company of America	25
Bald Knob quarry see Bald Knob Quarry Inc.	25
Black Diamond coal dump see Moulden Fuel Co.	33
Bleisner pit see Interpace	30
Block House pit see Layman, Ed	31
Blum pit see Interpace	29
Booher pit see Polson Co.	36
Cathedral quarry see Houplin, J.E.	29
Columbia quartzite quarry see Columbia Quartzite	27
Clay City pit see Mutual Materials Co.	34
Denny-Renton silica quarry see Manufacturers Mineral Co.	32
Dewey Smith lease see Western Minerals	40
Dog Lake quarry see Heatherstone Inc.	28
Elk pit see Mutual Materials Inc.	34
Enumclaw quarry see Muth, Louis	33
Fall City quarry see Muth, Louis	33
Franklin No. 10 mine see Palmer Coking Coal Co., Inc.	35
Gate quarry see Stoen Construction Co.	38
Glacier anthracite field see Rainier Coke & Chemical Corp.	36
Granite quarry see Marenakos Rock Center	32
Hallett feldspar see Hallett, Pat	28
Harris mine see Interpace	29
Janni quarry see Peter Janni & Sons	35
Kendall quarries see Columbia Cement Co.	27
Kifers quarry see Kifers Mica Rock quarry	30
Lake Boren pit see Palmer Coking Coal Co., Inc.	35
Lande pit see Interpace	30
Lane Mountain quarry see Lane Mountain Silica Co.	31
Maple Falls quarry see Clauson Lime Co.	26
Mats Mats Bay quarry see General Construction Co.	28
McGraw-Kittinger deposit see Clauson Lime Co.	26
Mica pits see Interpace	29
Miller River quarry see Morrison-Knudsen Co. Inc.	33
Monroe quarry see Stoen Construction Co.	38
Newcastle pit see Mutual Materials Co.	33
Nickel Green quarry see Western Minerals	40
Novelty quarry see Stoen Construction Co.	38
Palmer pit see Interpace	29
Pioneer quarry see Pioneer Towing Co.	36

<u>Name</u>	<u>Page</u>
Poor Boy No. 1 claim see Washington Gem Jade Co.	39
Port Angeles quarry see Stoen Construction Co.	38
Pottretz pit see Interpace	29
Rainbow claim see Western Minerals	40
Ravensdale ash pit see Interpace	29
Ravensdale coal dump see Interpace	29
Raymond quarry see Runyon H. G.	37
Renton pit see Interpace	29
Riverton quarry see Riverton Quarry	36
Rhyolite quarry see Marenakos Rock Center	32
Rogers No. 3 mine see Palmer Coking Coal Co., Inc.	35
Section 31 pit see Mutual Materials Co.	33
Sherve lease see Northport Limestone Co.	34
Shuksan claims see Western Minerals	40
Silver Lace quarry see Western Minerals	40
Skagit Green quarry see Western Minerals	40
Smithrock quarry see Smithrock Quarry, Inc.	37
Soderberg deposit see Clauson Lime Co.	26
Squalicum pit see Lind Gravel Co.	31
Strip Basalt lease see Western Minerals	40
Sunset quarries see Sunset Quarries Inc.	38
Taggart quarries see Island-Frontier Landscape Construction Co.	30
Twin Rivers pit see Ideal Basic Industries, Inc.	29
Twin Sisters quarry see Northwest International	34
Valley quarry see Manufacturers Mineral Co.	32
Wells Creek quarry see Pullar Enterprises	36
Wilkeson quarry see Wilkeson Cut Stone Co. Inc.	40

METALLIC PRODUCT INDEX

Abbreviations used:

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

Products	Operator	Page
— Ag — Pb — Zn —	Admiral Consolidated Mining Co.	13
— Fe, Ni, Cr —	Allison Pass Mining Ltd.	13
— Ag — Pb —	Alm, Ole	13
— Ag — Cu —	American Exploration & Mining Co.	13
— Pb — Zn —	American Smelting & Refining Co.	13
Au — Ag — Cu — Pb — Zn —	Arco Industries	14
— Cu — Zn —	Bailes, Loyal F.	14
— Cu — Mo —	Bear Creek Mining Co.	14
— Sb —	Belus, Martin L.	14
Au — Ag — Zn —	Blockson, F. C.	14
— Cu — Mo —	Brenmac Mines Ltd.	14
Au — Ag —	Caldo Mining Co.	15
Au — Cu —	Citation Copper Mines, Inc.	15
— Ag — Pb — Sb —	Cleveland Silver Mines, Inc.	15
— Cu —	Cominco American, Inc.	15
Au — Ag — Cu — Pb —	Como Mine, Inc.	15
Au — Ag — Cu — W —	Copper Chief Mining Co.	15
— Ag — Pb — Zn —	Costa, George	15
— Cu — Mo —	Cyprus Mines Corp.	15
— U —	Dawn Mining Co.	16
— Cu —	Duval Corp.	16
Au — Ag — Cu —	Falconbridge Nickel Co.	16
Au — Ag — Cu — Pb — Sb —	Fargo Mining Corp.	16
— Hg —	Feist, Tony	16
— Hg —	Fern Hill Cinnabar	16
Au — Ag — Pb — Zn — Sb —	Galbraith, Glen	16
Au — Ag —	Geo-Mineral Exploration Co.	16
— Ag — Pb —	Giant Minerals Corp.	17
Au — Cu —	Gibson, George	17
Au — Ag — Cu —	Gilbreath, M. F.	17
Au — Ag — Pb — Zn —	Gourlie, Walter	17
— Cu — Mo —	Grant, Alan R.	17
— Hg —	Grant, Ben	17
Au — Ag — Pb —	Hillside Mines, Inc.	17
Au — Ag — Cu — Pb — Zn — Mo —	Hughes, Chester	18
— Fe, Ni —	Inland Copper Ltd.	18
— Cu — Mo —	Inspiration Development Co.	18
Au — Ag — Cu —	Israel Continental Oil Co., Ltd.	18

Products	Operator	Page
Au — Ag — Pb — Zn	Jensen, George	18
Au — Ag	Jolley, Tony	18
Au	Kirsch, J. Jack	18
Au — Ag	Knob Hill Mines, Inc.	18
Au — Ag — Cu — Mo, W	Kromona Consolidated Mines, Inc.	19
— Ag — Pb — Zn	La Sota, Felix P.	19
— Ag — Pb	Lotze, A. G.	19
— — — — — Sb	Magill, E. A.	19
— Ag — Cu — Pb — Zn	Mercator Inc.	19
— — — — — Cu — Mo	Middle Fork Copper of Washington Inc.	19
Au — Ag — Pb — Zn	Mines Management, Inc.	19
Au — Ag — Cu — Pb	Minex Corp.	20
Au — Ag — Cu — Zn	Mono Mine, Inc.	20
— Ag — Cu — Pb — Mo	Natural Resources Development Corp.	20
Au — Ag — Pb	Nesco Mining Corp.	20
Au — Cu — Ni	Nickel Hill Mines, Ltd.	20
— Cu — Mo	Northwood Inc.	20
— Ag — Pb	Old Channel Placers, Inc.	20
— Ag — Pb — Zn	Pend Oreille Mines & Metals Co.	21
— Ag — Cu — Pb	Picard, Bernard	21
Au	Reed, Loren W.	21
— Ag — Pb	Richie, William	21
— Ag — Cu	Rockne, M. and Porath, L.	21
— Ag — Pb — Zn	Russell's Marie Silver Lead, Inc.	21
Au — Ag	Sidney Mining Co.	21
Au — Ag — Pb — Zn — Cd	Silver Consolidated Mining Co.	21
— Ag — Pb	Silver Crescent Mining Co.	22
— Ag — Pb — Zn	Silver Crown Mining Co.	22
— Ag — Cu — Pb	Silver Eagle Mines, Inc.	22
Au — Ag — Cu — Pb — Zn	Silver King Mining and Milling Co.	22
— Ag — Cu — Pb — Zn	Silver Peak Mining Co.	22
— — — — — Sb	Smith, Robert and Wade	22
— — — — — U	Solar Nuclear Corp.	22
— — — — — Cu — Fe	Spartan Exploration Ltd.	23
Au — Ag — Cu	Superior Mining Co.	23
Au	Three F Mining Co., Inc.	23
— Ag — Cu — Pb	Timberline Mining & Milling Co.	23
— Ag — Pb — Zn	Tiparillo Silver Mine	23
— — — — — Pb — Zn	Traulsen, Fred	23
— — — — — U	Trojan Exploration & Development Co.	23
Au — Ag — Cu — Pb	Union Pacific Railroad	23
— Ag — Cu — Pb — Zn	Valumines, Inc.	24
— Ag — Pb — Zn	Vee-Gee Mining Co., Inc.	24
Au — Ag — Cu	Warner, L. O.	24
Au — Ag — Cu — Pb	Wellhoff, R. J.	24
Au	Western Gold Mining, Inc.	24
— — — — — Cu	Weyerhaeuser Co.	24
— — — — — U	Western Nuclear, Inc.	24

NONMETALLIC PRODUCT INDEX

	<u>Page</u>		<u>Page</u>
ASBESTOS		LIMESTONE	
Soren, Wm. R.	37	Clauson Lime Co.	26
CINDERS		Columbia Cement Co.	27
Cle Elum Cement Products, Inc. ..	26	Lehigh Portland Cement Co.	31
Interpace	29	Miller Lime Co.	33
Layman, Edward	31	Northport Limestone Co.	34
Moulden Fuel Co.	33	Peter Janni & Sons	35
CLAY AND CLAY PRODUCTS		Tonasket Lime Products, Inc.	39
Chehalis Brick & Tile Co.	26	MARL AND TRAVERTINE	
Hidden Brick Co.	29	Polson Co.	36
Ideal Basic Industries, Inc.	29	Western Minerals	40
Interpace	29	MOLDING SAND	
Lind Gravel Co.	31	Manufacturers Mineral Co.	32
Lowell Brick Co.	32	OLIVINE	
Mutual Materials Co.	33	Northwest International	34
Wenatchee Silica Sand Co.	40	Olivine Corp.	35
COAL		PEAT	
Black Prince Coal Co.	25	Arbor Lake Humus & Garden Supply	25
Palmer Coking Coal Co., Inc.	35	Asbury Fuel	25
Queen Coal Co.	36	Bow Lake Humus Co.	25
Rainier Coke & Chemical Corp.	36	Carlson Peat & Wood	26
Stoker Coal Co.	38	Cunningham Sand and Gravel Co. .	27
Washington Water Power Co.	39	Fullers Soils	28
DIATOMITE		Harbor Heights Humus Co.	28
Kenite Corp.	30	Kamilche Peat Moss Co.	30
DOLOMITE		Kildow Brothers Inc.	31
Aluminum Company of America ...	25	Maple Valley Humus	32
Manufacturers Mineral Co.	32	Nicholic, John A.	34
Serendip Industrial Minerals	37	Plant Food Co.	36
EPSOM SALTS		Skagit Peat Co.	37
Agro Minerals, Inc.	25	Tri Lakes Humus	39
FELDSPAR		Walker's Peat	39
Hallett, Pat	28	PUMICE	
GYPSUM SAND		Ewer Lumber Co.	27
Agro Minerals, Inc.	25	SHALE	
JADE		Cle Elum Cement Products, Inc. ..	26
Washington Gem Jade Co.	39	Fleshman, R. L.	27
		Palmer Coking Coal Co., Inc.	35
		SILICA AND SILICA SAND	
		Chelan Silica Co.	26

COUNTY INDEX

Abbreviations used:

Ag - silver
 Au - gold
 Cr - chromium
 Cu - copper
 Fe - iron

Hg - mercury
 Mo - molybdenum
 Ni - nickel
 Pb - lead
 Sb - antimony

U - uranium
 W - tungsten
 Zn - zinc

ADAMS COUNTY

Location	Sand and Gravel Operator	Page
Othello area	Central Pre-Mix Concrete Co.	44

ASOTIN COUNTY

Location	Sand and Gravel Operator	Page
Clarkston area	Twin City Premix, Inc.	63

BENTON COUNTY

Location	Sand and Gravel Operator	Page
Kennewick area	Black Top Materials Inc.	42
Kennewick area	Matheson Sand & Gravel Co.	54
Richland area	Acme Concrete Co.	41
Richland area	Black Top Materials Inc.	42
Richland area	Pre-Mix Concrete Co.	58

CHELAN COUNTY

Product	Metallic Operator	Page
Au Ag	Caldo Mining Co.	15
Au Cu	Citation Copper Mines, Inc.	15
Au	Reed, Loren W.	21
Au	Three F Mining Co., Inc.	23

Product	Nonmetallic Operator	Page
Building stone	M & C Enterprises, Inc.	32
Building stone	Western Minerals	40
Feldspar	Hallett, Pat	28
Limestone	Miller Lime Co.	33
Pumice	Ewer Lumber Co.	27
Silica	Chelan Silica Co.	26
Silica sand	Wenatchee Silica Sand Co.	40

Location	Sand and Gravel Operator	Page
Malaga area	Morrill Asphalt Paving Co., Inc.	55
Malaga area	Wenatchee Sand & Gravel Co.	64
Wenatchee area	Columbia Concrete Pipe Co.	45

CLALLAM COUNTY

Product	Nonmetallic Operator	Page
Basalt	Stoen Construction Co.	38
Clay	Ideal Basic Industries, Inc.	29
Sandstone	Strong & MacDonald	38
Location	Sand and Gravel Operator	
Forks area	Campbell Trucking, Inc.	43
Port Angeles area	Goodman, Kermit	49
Port Angeles area	Hansen, Forrest	50
Port Angeles area	J. G. Shotwell, Inc.	51
Port Angeles area	Randall Kilmer Construction Co.	58
Sequim area	Blake Sand and Gravel	43
Sequim area	Davis Sand & Gravel	47

CLARK COUNTY

Product	Nonmetallic Operator	
Basalt	Chelatchie Rock Crushing Co.	26
Basalt	Smithrock Quarry, Inc.	37
Basalt	Umpqua River Navigation Co.	39
Clay	Hidden Brick Co.	29
Location	Sand and Gravel Operator	
Battle Ground area	Dunbar, Tom	47
Battle Ground area	Red's Rock, Sand, & Gravel	58
Camas area	Columbia Rock Products, Inc.	45
Mill Plain area	George Schmid Excavating	49
Orchards area	Acme Construction Co.	41
Orchards area	Smith Bros.	60
Ridgefield area	Associated Rock Inc.	42
Salmon Creek area	Klineline Sand & Gravel Co.	52
Vancouver area	A & A Sand & Gravel	41
Vancouver area	Kamp Sand & Gravel Co.	52
Vancouver area	Mill Plain Rock Co.	55
Vancouver area	Milwaukie Sand & Gravel Co.	55
Vancouver area	Peter Kiewit Sons Co.	57
Vancouver area	Roy Zimmerly Excavating	59
Washougal area	Canyon Rock	43
Woodland area	Watters Concrete Products	63

COWLITZ COUNTY

Product	Nonmetallic Operator	
Basalt	Kress Sand & Gravel	31
Basalt	Radakovich Rock Crusher	36
Shale	Fleshman, R. L.	27
Location	Sand and Gravel Operators	
Castle Rock area	Castle Rock Sand & Gravel Co.	44
Castle Rock area	Horsley Gravel	51
Kalama area	Kress Sand & Gravel	52
Kelso area	Coweeman Crushing Co.	46
Kelso area	Samdel-Flatt, Inc.	59
Woodland area	Lewis River Sand & Gravel	52

DOUGLAS COUNTY

<u>Product</u>	<u>Nonmetallic Operator</u>	<u>Page</u>
Clay	Wenatchee Silica Sand Co.	40
<u>Location</u>	<u>Sand and Gravel Operator</u>	
Rock Island area	Rich Sand & Gravel	59

FERRY COUNTY

<u>Product</u>	<u>Metallic Operator</u>	
Ag Cu	American Exploration & Mining Co.	13
Cu	Bear Creek Mining Co.	14
Au Ag Cu	Falconbridge Nickel Co.	16
Au Ag	Hillside Mines, Inc.	17
Au Ag Cu	Israel Continental Oil Co. Ltd.	18
Au Ag	Knob Hill Mines, Inc.	18
Ag Cu	M. Rockne & L. Porath	21
Au Ag	Sidney Mining Co.	21
Ag Pb Zn	Tiparillo Silver Mine	23
<u>Product</u>	<u>Nonmetallic Operator</u>	
Quartzite	Columbia Quartzite	27
Quartzite	Kifers Mica Rock Quarry	30
<u>Location</u>	<u>Sand and Gravel Operator</u>	
Curlew area	Stotts, John R.	62

FRANKLIN COUNTY

<u>Location</u>	<u>Sand and Gravel Operator</u>	
Connell area	Connell Sand & Gravel	46
Richland area	Central Pre-Mix Concrete Co.	44

GRANT COUNTY

<u>Product</u>	<u>Nonmetallic Operator</u>	
Basalt	Houplin, J. E.	29
Basalt	Western Minerals	40
Diatomite	Kenite Corp.	30
<u>Location</u>	<u>Sand and Gravel Operator</u>	
Ephrata area	Elmer E. Olson, Inc.	48
Grand Coulee area	Lincoln Transit Mix, Inc.	53
Mesa area	G & W Sand & Gravel Inc.	49
Moses Lake area	AAA Readymix Inc.	41
Moses Lake area	Columbia Sand & Gravel, Inc.	45
Moses Lake area	Holmes Bros. Inc.	50
O'Sullivan Dam Area	Sampson Sand & Gravel	60
Royal City area	Columbia Sand & Gravel, Inc.	45
Royal City area	G & W Sand & Gravel, Inc.	49
Soap Lake area	Elmer E. Olson, Inc.	48

GRAYS HARBOR COUNTY

Product	Nonmetallic Operator	Page
Basalt	Mike Hagara & Son Construction Co.	32
Basalt	Stoen Construction Co.	38
Location	Sand and Gravel Operator	
Aberdeen area	Mike Hagara & Sons Construction Co.	54
Central Park area	Snell, Al R.	60
Copalis Crossing area	Riley's Sand & Gravel	59
Elma area	Bayview Lumber Co.	42
Junction City area	Snell, Al R.	60
Melbourne area	Quigg Bros-McDonald, Inc.	58
Montesano area	Graystone of Grays Harbor	49
Montesano area	Friend & Rikalo, Inc.	48

ISLAND COUNTY

Location	Sand and Gravel Operator	
Coupeville area	Libbey Construction Co.	53
Oak Harbor area	Concrete Nor'West Inc.	46
Oak Harbor area	Everett Bros. Construction Co.	48

JEFFERSON COUNTY

Product	Nonmetallic Operator	
Basalt	General Construction Co.	28
Location	Sand and Gravel Operators	
Hadlock area	Puget Sound Surfacers, Inc.	58

KING COUNTY

Product	Metallic Operator	
Au Ag Cu	Gilbreath, M. F.	17
Cu Mo	Middle Fork Copper of Washington, Inc.	19
Au Ag Cu Zn	Mono Mine Inc.	20
Cu Mo	Natural Resources Development Corp.	20
Cu	Weyerhaeuser Co.	24

Product	Nonmetallic Operator	
Basalt	Sunset Quarries, Inc.	38
Basalt	Black River Quarry, Inc.	25
Basalt	Riverton Quarry	36
Basalt	Muth, Louis	33
Basalt	Stoen Construction Co.	38
Cinders	Moulden Fuel Co.	33
Cinders	Interpace	29
Clay	Interpace	29 - 30
Clay (daubing)	Manufacturers Mineral Co.	32
Clay	Mutual Materials Co.	33
Coal	Palmer Coking Coal Co., Inc.	35
Granite	Marenakos Rock Center	32
Granite	Morrison-Knudsen Co., Inc.	33

KING COUNTY—Continued

Product	Nonmetallic Operator — Continued	Page
Peat	Arbor Lake Humus & Garden Supply	25
Peat	Bow Lake Humus Co.	25
Peat	Carlson Peat & Wood Co.	26
Peat	Maple Valley Humus	32
Peat	Tri Lakes Humus	39
Sand (molding)	Manufacturers Mineral Co.	32
Shale	Palmer Coking Coal Co., Inc.	35
Silica	Manufacturers Mineral Co.	32
Silica sand	Smith Bros. Silica Sand Co., Inc.	37

Location	Sand and Gravel Operator	
Auburn area	Lloyd's of Washington Inc.	53
Auburn area	Miles Sand & Gravel Co.	55
Auburn area	Sea-Tac Asphalt Co., Inc.	60
Auburn area	Soos Co.	60
Auburn area	Standard Mining & Development Corp.	61
Bellevue area	H. H. Oleson, Inc.	50
Enumclaw area	Corliss Redimix, Inc.	46
Enumclaw area	Stergion Concrete Products	61
Houghton Area	Renton Sand & Gravel Co.	59
Issaquah area	Lakeside Gravel Co., Inc.	52
Issaquah area	Reid Sand and Gravel, Inc.	59
Kent area	Rock & Sand, Inc.	59
Kent area	Stoneway Concrete, Inc.	61
Kirkland area	Kirkland Sand & Gravel, Inc.	52
Maple Valley area	Western Sand & Gravel Co.	64
Maury Island area	Morrison-Knudsen Co., Inc.	55
Maury Island area	Glacier Sand & Gravel Co.	49
North Bend area	Churchill Sand & Gravel	45
Redmond area	Cadman Gravel Co.	43
Redmond area	Redmond Sand & Gravel Co.	58
Redmond area	Red-Samm Mining Co., Inc.	58
Vashon area	Vashon Sand & Gravel	63
Woodinville area	H & H Sand & Gravel Inc.	50
Woodinville area	Mountain View Sand & Gravel	56

KITSAP COUNTY

Product	Nonmetallic Operator	
Basalt	Pioneer Towing Co.	36
Diorite	Thomas, Joe	38
Peat	Asbury Fuel	25

Location	Sand and Gravel Operation	
Bremerton area	Ace Paving Co.	41
Bremerton area	Blossom Brothers Construction Co.	43
Lofall area	North Kitsap Sand & Asphalt Co.	56
Port Orchard area	Holroyd Co., Inc.	51
Port Orchard area	Morrison Gravel Co.	55
Purdy area	Kingsbury's Red-E-Mix	52
Silverdale area	Chico Gravel Inc.	45

KITTITAS COUNTY

Product	Metallic Operator	Page
Au	Inland Copper Ltd.	18
	Kirsch, J. Jack	18
	Allison Pass Mining Ltd.	13
Product	Nonmetallic Operator	Page
Cinders	Cle Elum Cement Products Inc.	26
Shale	Cle Elum Cement Products Inc.	26
Location	Sand and Gravel Operators	Page
Cle Elum	Frontier Sand & Gravel Co.	49
Ellensburg	Ellensburg Cement Products, Inc.	47

KLICKITAT COUNTY

Product	Nonmetallic Operator	Page
Basalt	Thompson, Stanley	38
Cinders	Layman, Edward	31
Location	Sand and Gravel Operator	Page
Avery area	Pacific Northwest Aggregates, Inc.	57
Bingen area	Hunsaker Sand & Gravel	51

LEWIS COUNTY

Product	Metallic Operator	Page
Hg	Fern Hill Cinnabar	16
Product	Nonmetallic Operator	Page
Clay	Chehalis Brick & Tile Co.	26
Coal	Black Prince Coal Co.	25
Coal	Washington Water Power Co.	39
Location	Sand and Gravel Operator	Page
Centralia area	Pacific Sand & Gravel Co.	57
Toledo area	Sorenson Gravel Co.	61

MASON COUNTY

Product	Nonmetallic Operator	Page
Peat	Kamilche Peat Moss Co.	30
Location	Sand and Gravel Operator	Page
Hoodsport area	Tahja, Arnold	62
Shelton area	Bayshore Sand & Gravel	42
Shelton area	Graystone of Shelton	50
Shelton area	Pacific Sand & Gravel Co.	57

OKANOGAN COUNTY

Product	Metallic Operator	Page
Ag Cu Pb Zn	Arco Industries	14
Mo	Bear Creek Mining Co.	14
Sb	Belus, Martin L.	14
Au Ag Zn	Blockson, F. C.	14
Cu	Cominco American, Inc.	15
Cu Mo	Cyprus Mines Corp.	15
Au Ag	Geo-Mineral Exploration Co.	16
Au Cu	Gibson, George	17
Au Ag Pb	Hillside Mines Inc.	17
Au Ag Cu Pb Zn Mo	Hughes, Chester	18
Cu	Inspiration Development Co.	18
Sb	Magill, E. A.	19
Au Ag Pb	Nesco Mining Corp.	20
Ag Pb	Old Channel Placers, Inc.	20
Ag Cu Pb	Picard, Bernard	21
Ag Pb	Richie, William	21
Au Ag Pb Zn Cd	Silver Consolidated Mining Co.	21
Ag Cu Pb Zn	Silver Peak Mining Co.	22
Sb	Smith, Robert and Wade	22
Fe	Sparton Exploration Ltd.	23
Cu	Superior Mining Co.	23
Au Ag Cu	Timberline Mining & Milling Co.	23
Ag Cu Pb	Union Pacific Railroad	23
Au Ag Cu Pb		

Product	Nonmetallic Operator	Page
Epsom salts	Agro Minerals, Inc.	25
Gypsum sand	Agro Minerals, Inc.	25
Limestone	Tonasket Lime Products, Inc.	39
Marl	Polson Co.	36
Quartz	Nespelem Silica Co.	34

Location	Sand and Gravel Operator	Page
Brewster area	Godbey Red-E-Mix, Inc.	49
Chelan area	Chelan Concrete Co.	45
Okanogan area	Columbia Concrete Pipe Co.	45
Oroville area	Oroville Transit Mix, Inc.	57
Tonasket area	Verbeck Brothers, Inc.	63
Twisp area	Estes & Son	48

PACIFIC COUNTY

Product	Nonmetallic Operator	Page
Basalt	Harbor Rock Inc.	28
Basalt	Naselle Rock Co.	34
Basalt	Runyon, H. G.	37

PEND OREILLE COUNTY

Product	Metallic Operator	Page
Ag Pb Zn	Costa, George	15
Ag Pb Zn	La Sota, Felix P.	19
Au Ag Cu Pb Zn	Minex Corp.	20
Ag Pb Zn	Pend Oreille Mines & Metals Co.	21

PEND OREILLE COUNTY—Continued

Product	Metallic Operator—Continued	Page
Ag Pb	Silver Crescent Mining Co.	22
Au Ag Cu Pb Zn	Silver King Mining and Milling Co.	22

Product	Nonmetallic Operator	
Limestone	Lehigh Portland Cement Co.	31
Quartzite	Lehigh Portland Cement Co.	31

PIERCE COUNTY

Product	Nonmetallic Operator	
Clay	Mutual Materials Co.	33 - 34
Coal	Queen Coal Co.	36
Peat	Harbor Heights Humus Co.	28
Peat	Nicholic, John A.	34
Sandstone	Wilkeson Cut Stone Co., Inc.	40

Location	Sand and Gravel Operator	
Fife area	Woodworth & Co., Inc.	64
Puyallup area	Collins Road Gravel	45
Puyallup area	Lige Dickson Co.	53
Puyallup area	Fife Sand & Gravel	48
Puyallup area	Tim Corliss and Son Co.	62
South Tacoma area	Canyon Sand and Gravel	43
South Tacoma area	Cascade Asphalt Paving Co.	43
South Tacoma area	Lige Dickson Co.	53
South Tacoma area	Holroyd Co., Inc.	51
South Tacoma area	Tucci & Sons, Inc.	62
South Tacoma area	Woodworth & Co., Inc.	64
Steilacoom area	Glacier Sand & Gravel Co.	49
Steilacoom area	Holroyd Co., Inc.	51
Steilacoom area	Pioneer Sand & Gravel Co.	58

SAN JUAN COUNTY

Product	Nonmetallic Operator	
Limestone	Clauson Lime Co.	26
Limestone	Roche Harbor Lime & Cement	37

Location	Sand and Gravel Operator	
Lopez Island	Lopez Sand & Gravel	53
Orcas Island	Sea Island Sand & Gravel	60
San Juan Island	Friday Harbor Sand & Gravel	48

SKAGIT COUNTY

Product	Metallic Operator	
Ag Pb	Natural Resources Development Corp.	20
Ag Cu Pb Zn	Valumines Inc.	24

SKAGIT COUNTY—Continued

Product	Nonmetallic Operator	Page
Andesite	Island-Frontier Landscape Construction Co.	30
Andesite	Northwest Talc & Magnesium Co.	35
Asbestos	Soren, Wm. R.	37
Hornfels	Henry Bros. Shovel Co.	28
Jade	Washington Gem Jade Co.	39
Olivine	Northwest International	34
Olivine	Olivine Corp.	35
Peat	Skagit Peat Co.	37
Sandstone	Washington Crushers, Inc.	39
Talc	Smith, Herman	37
Location	Sand and Gravel Operator	
Anacortes area	Mayer, J. I.	54
Anacortes area	Marine Asphalt Co., Inc.	54
Belfast area	Concrete Nor'West Inc.	46
Burlington area	Associated Sand & Gravel, Inc.	42
Burlington area	Cascade Ready Mix	44
Burlington area	Bar Sand & Gravel	42
Clear Lake area	Tennyson, J. L.	62
Mt. Vernon area	Skagit Sand & Gravel Co.	60
Mt. Vernon area	Bar Sand and Gravel	42
Sedro Woolley area	Bar Sand and Gravel	42

SKAMANIA COUNTY

Product	Metallic Operator	
Cu	Duval Corp.	16
Cu	Grant, Alan R.	17
Au Ag Cu Mo	Jolley, Tony	18
Au Ag Cu	Warner, L. O.	24
Product	Nonmetallic Operator	
Basalt	George Schmid Excavating	28

SNOHOMISH COUNTY

Product	Metallic Operator	
Cu Zn	Bailes, Loyal F.	14
Cu Mo	Bear Creek Mining Co.	14
Cu Mo	Brenmac Mines, Ltd.	14
Au Ag Cu Mo W	Kromona Consolidated Mines, Inc.	19
Au Cu Ni	Nickel Hill Mines, Ltd.	20
Pb Zn	Traulsen, Fred	23
Product	Nonmetallic Operator	
Basalt	Bald Knob Quarry, Inc.	25
Basalt	Kent, H. W.	30
Basalt	Stoen Construction Co.	38
Clay	Lowell Brick Co.	32
Granite	Louis F. Matheson Construction Co.	31
Limestone	Miller Lime Co.	33
Peat	Plant Food Co.	36
Peat	Fullers Soils	28

SNOHOMISH COUNTY— Continued

Location	Sand and Gravel Operator	Page
Arlington area	Arlington Sand & Gravel Co.	41
Arlington area	Associated Sand & Gravel Co., Inc.	42
Cathcart area	Associated Sand & Gravel Co., Inc.	42
Edmonds area	C & M Aggregates, Inc.	43
Edmonds area	Eby Sand and Gravel Co.	47
Edmonds area	Lynnwood Sand & Gravel	53
Everett area	Associated Sand & Gravel Co., Inc.	42
Everett area	M & C Enterprises, Inc.	54
Everett area	North Star Sand & Gravel	56
Gold Bar area	Miller Lime Co.	55
Kenmore area	Edinger Gravel Co., Inc.	47
Machias area	Riverside Sand & Gravel	59
Marysville area	Ross Sand & Gravel Co., Inc.	59
Monroe area	Monroe Sand & Gravel	55
Monroe area	Valley Concrete Co.	63
Monroe area	Washington Asphalt Co.	63
North Creek area	Bob's Bulldozing	43
Silvana area	Stanwood Redi-Mix Inc.	61
Silver Lake area	Monroe Sand & Gravel	55
Snohomish area	Builders Sand & Gravel, Inc.	43
Snohomish area	Williams, W. C.	64
Snohomish area	Snohomish Sand & Gravel, Inc.	60
Snohomish area	Pilchuck Sand & Gravel Co.	57

SPOKANE COUNTY

Product	Nonmetallic Operator	
Basalt	D. A. Sullivan Co.	27
Basalt	Carl Carbon, Inc.	26
Basalt	S & F Construction Co., Inc.	37
Clay	Interpace	29 - 30
Peat	Cunningham Sand and Gravel Co., Inc.	27
Quartz	Pacific Silica Co.	35

Location	Sand and Gravel Operator	
Marshall area	N. A. Degerstrom, Inc.	56
Mead area	Cunningham Sand and Gravel Co., Inc.	47
Spokane area	Ace Concrete Co.	41
Spokane area	Central Pre-Mix Concrete Co.	44
Spokane area	Cunningham Sand and Gravel Co., Inc.	47
Spokane area	Spokane Sand and Gravel Co.	61

STEVENS COUNTY

Product	Metallic Operator	
Ag Pb Zn	Admiral Consolidated Mining Co.	13
Ag Pb	Alm, Ole	13
Pb Zn	American Smelting & Refining Co.	13
Au Ag Cu Pb Zn	Arco Industries	14
Au Pb Sb	Cleveland Silver Mines, Inc.	15
Au Ag Cu Pb	Como Mine, Inc.	15
Au Ag Cu Fe W U	Copper Chief Mining Co.	15
	Dawn Mining Co.	16

STEVENS COUNTY—Continued

Product					Metallic Operator—Continued	Page
	Ag	Pb	Sb		Fargo Mining Corp.	16
Au	Ag	Pb	Zn		Galbraith, Glen	16
	Ag	Pb			Giant Minerals Corp.	17
Au	Ag	Pb	Zn		Jensen, George	18
	Ag	Pb			Lotze, A. G.	19
	Ag	Cu	Pb	Zn	Mercator Inc.	19
Au	Ag	Pb	Zn		Mines Management Inc.	19
		Cu		Mo	Northwood Inc.	20
	Ag	Pb	Zn		Russell's Marie Silver Lead, Inc.	21
	Ag	Pb	Zn		Silver Crown Mining Co.	22
	Ag	Cu	Pb		Silver Eagle Mines, Inc.	22
				U	Solar Nuclear Corp.	22
				U	Trojan Exploration & Development Co., Inc. ..	23
	Ag	Pb	Zn		Vee Gee Mining Co., Inc.	24
Au	Ag	Cu	Pb		Wellhoff, R. J.	24
				U	Western Nuclear, Inc.	24

Product					Nonmetallic Operator	
Dolomite					Aluminum Company of America	25
Dolomite					Manufacturers Mineral Co.	32
Dolomite					North American Non-Metallics, Inc.	34
Dolomite					Northwest Marble Products Co.	35
Dolomite					Outdoor World Inc.	35
Dolomite					Serendip Industrial Minerals	37
Dolomite					White Stone Co.	40
Limestone					Kolob Mining & Stone	31
Limestone					Northport Limestone Co.	34
Limestone					Peter Janni & Sons	35
Marble					Jacobsen and Christman	30
Quartzite					Lane Mt. Silica Co.	31
Serpentine					North American Non-Metallics, Inc.	34

Location					Sand and Gravel Operator	
Chewelah area					Colville Valley Concrete, Corp.	46
Colville area					Colville Valley Concrete, Corp.	46
Colville area					Nichols, R. H.	56

THURSTON COUNTY

Product					Nonmetallic Operator	
Basalt					Deschutes Sand & Gravel, Inc.	27
Basalt					Tumwater Sand & Gravel	39
Coal					Stoker Coal Co.	38
Peat					Kildow Brothers Inc.	31
Peat					Walker's Peat	39

Location					Sand and Gravel Operator	
Lacey area					Olympia Sand & Gravel Co.	57
Lacey area					Pacific Sand & Gravel Co.	57
Lacey area					Tom Martin Excavation	62

THURSTON COUNTY— Continued

<u>Location</u>	<u>Sand and Gravel Operator— Continued</u>	<u>Page</u>
Maytown area	Graystone of Olympia	50
Nisqually area	Holroyd Co., Inc.	51
Olympia area	O & K Trucking Co.	56
Olympia area	Olympia Oil and Wood Products Co.	56
Olympia area	Tumwater Sand & Gravel	62
Rochester area	Jamerson Gravel Co.	51
Rochester area	Martin Sand & Gravel	54

WAHKIAKUM COUNTY

<u>Product</u>	<u>Nonmetallic Operator</u>	
Basalt	H & W Construction Co.	28

WALLA WALLA COUNTY

<u>Location</u>	<u>Sand and Gravel Operator</u>	
Walla Walla area	Jones-Scott Co., Inc.	52
Attalia area	Jones-Scott Co., Inc.	51

WHATCOM COUNTY

<u>Product</u>	<u>Metallic Operator</u>	
Au Ag Pb Zn	Gourlie, Walter	17
Mo	Inspiration Development Co.	18
Au	Western Gold Mining Co.	24

<u>Product</u>	<u>Nonmetallic Operator</u>	
Andesite	Pullar Enterprises	36
Clay	Lind Gravel Co.	31
Coal	Rainier Coke & Chemical Corp.	36
Limestone	Columbia Cement Co.	27
Sandstone	Culbertson, Roland	27

<u>Location</u>	<u>Sand and Gravel Operator</u>	
Bellingham area	Henifin & Associates Inc.	50
Bellingham area	Lind Gravel Co.	53
Bellingham area	Mel Hicks Construction	54
Bellingham area	Mulka Gravel Co.	57
Cedarville area	Cowden Gravel	46
Everson area	Wilder Construction Co.	64
Laurel area	Doug Pullar Sand & Gravel	47
Laurel area	Pullar, Lawrence	58
Laurel area	Whatcom Builders Supply Co.	64
Laurel area	Wilder Construction Co., Inc.	64
Lynden area	Lynden Ready Mix	53
Lynden area	Bode's Ready Mix & Gravel, Inc.	43

WHITMAN COUNTY

Product	Nonmetallic Operator	Page
Basalt	United Paving Co.	39
Location	Sand and Gravel Operator	
Colfax area	Faires Equipment Co., Inc.	48

YAKIMA COUNTY

Product	Metallic Operator	
	Feist, Tony	16
Hg	Grant, Ben	17
Hg		
Product	Nonmetallic Operator	
Andesite	Heatherstone Inc.	28
Andesite	Mount Adams Sheet Rock Quarry	33
Location	Sand and Gravel Operator	
Granger area	Thompson, Wayne	62
Grandview area	Valley Ready-Mix Concrete Co.	63
Grandview area	Asphalt & Gravel Products Inc.	42
Parker area	Parker Sand & Gravel Co.	57
Sunnyside area	Valley Ready-Mix Concrete Co.	63
Toppenish area	Graham & Morris Construction Co., Inc.	49
Yakima area	Central Pre-Mix Concrete Co.	44
Yakima area	Triangle Sand & Gravel Co., Inc.	62
Yakima area	Yakima Cement Products Co.	65

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The State Division of Mines and Geology, 335 General Administration Building, Olympia, Washington, 98501, will be glad to examine in its laboratory samples of rocks, clays, or minerals that occur in Washington and advise the sender as to what the material is. No charge is made for this service. If a value is apparent, suggestions will be given as to possible utilization. Funds and facilities are not available for assays or chemical analyses, but mineralogic and petrographic determinations are made as necessary. If an assay appears warranted, the sender is advised of that fact, so that he may submit a sample of the material to a commercial analyst if he desires.

In connection with the work, it is helpful for the laboratory to know the approximate location where the sample was found. This allows a knowledge of the geology of the given area to be applied to the material in question, sometimes permitting more useful suggestions than would otherwise be possible.

Samples should be in their natural state (not pulverized). Size and shape are immaterial. If available, a piece with the approximate bulk of a small orange is most easily worked with, though less than this amount is satisfactory.

If more than one sample is submitted in one package, each should be numbered for convenience in replying; a similarly numbered fragment retained by the sender will be found useful for reference when the reply is received. Numbers attached with scotch tape usually work loose. The safest procedure is to use adhesive tape on a dust-free surface of the specimen; the number, then, can be written on the tape with ink. Each specimen in a package should be separately wrapped.

Samples may be broken, crushed, or largely used up in applying identification techniques, so cannot be returned to the sender except under exceptional circumstances and provided return postage has been supplied.

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RELATED TO PROSPECTING AND MINING

- Bulletin 37 - Inventory of Washington minerals, Part I, Nonmetallic minerals, by Grant M. Valentine. Revised by Marshall T. Huntting. 1960. 175 p. 39 pls.
Price per set (2 volumes—text and maps) \$3.00.
- Bulletin 37 - Inventory of Washington minerals, Part II, Metallic minerals, by Marshall T. Huntting. 1956. 495 p. 27 pls. Price per set (2 volumes—text and maps) \$4.50.
- Bulletin 55 - Building stone of Washington, by Wayne S. Moen. 1967. 85 p. 20 figs.
75 cents.
- Bulletin 58 - Chemical and physical controls for base metal deposition in the Cascade Range of Washington, by Alan Robert Grant. 1969. 107 p. 33 figs. \$1.50.
- Information Circular 10 - Geologic factors of quarrying, Sheldon L. Glover and W.A.G. Bennett. 1944. 18 p. 5 figs. Free.
- Information Circular 22R - Introduction to Washington geology and resources, by Dr. C. D. Campbell. 1962. 44 p. 5 figs. 25 cents.
- Information Circular 31 - Prospecting in Washington, by Donald L. Anderson. 1959. 26 p. 9 figs. Free.
- Information Circular 36 - Mineral rights and land ownership in Washington, by Wayne S. Moen. 1962. 23 p. 1 pl. 2 figs. Free.
- Information Circular 45 - Geologic history and rocks and minerals of Washington, by V. E. Livingston, Jr. 1969. 42 p. 50 cents.
- Geologic Map - Geologic map of Washington, Marshall T. Huntting, W.A.G. Bennett, Vaughn E. Livingston, Jr., and Wayne S. Moen. 1961. Scale 1:500,000.
Available either folded or rolled. \$3.00.
- Reprint 9 - Mineral and water resources of Washington, prepared by the U.S. Geological Survey in cooperation with the Washington Department of Conservation; Division of Mines and Geology; Washington Department of Highways; U.S. Bureau of Reclamation; and Bonneville Power Administration. 1966. 436 p. 90 figs.
\$2.00.
- Reprint 10 - Washington mineral deposits, by Marshall T. Huntting. Reprinted from Canadian Institute of Mining and Metallurgy Special Volume No. 8. 1966.
5 p. 1 fig. 50 cents.
- Mining Claims—Questions. 1970. 12 p. Free.
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