

State of Washington
ALBERT D. ROSELLINI, Governor

Department of Conservation
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DIVISION OF MINES AND GEOLOGY
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**DIRECTORY OF
WASHINGTON MINING
OPERATIONS
1959**

By
GERALD W. THORSEN



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1960

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 mostly used 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

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DIRECTORY OF WASHINGTON MINING OPERATIONS, 1959

By
Gerald W. Thorsen

INTRODUCTION

ARRANGEMENT AND USE OF THE DIRECTORY

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

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

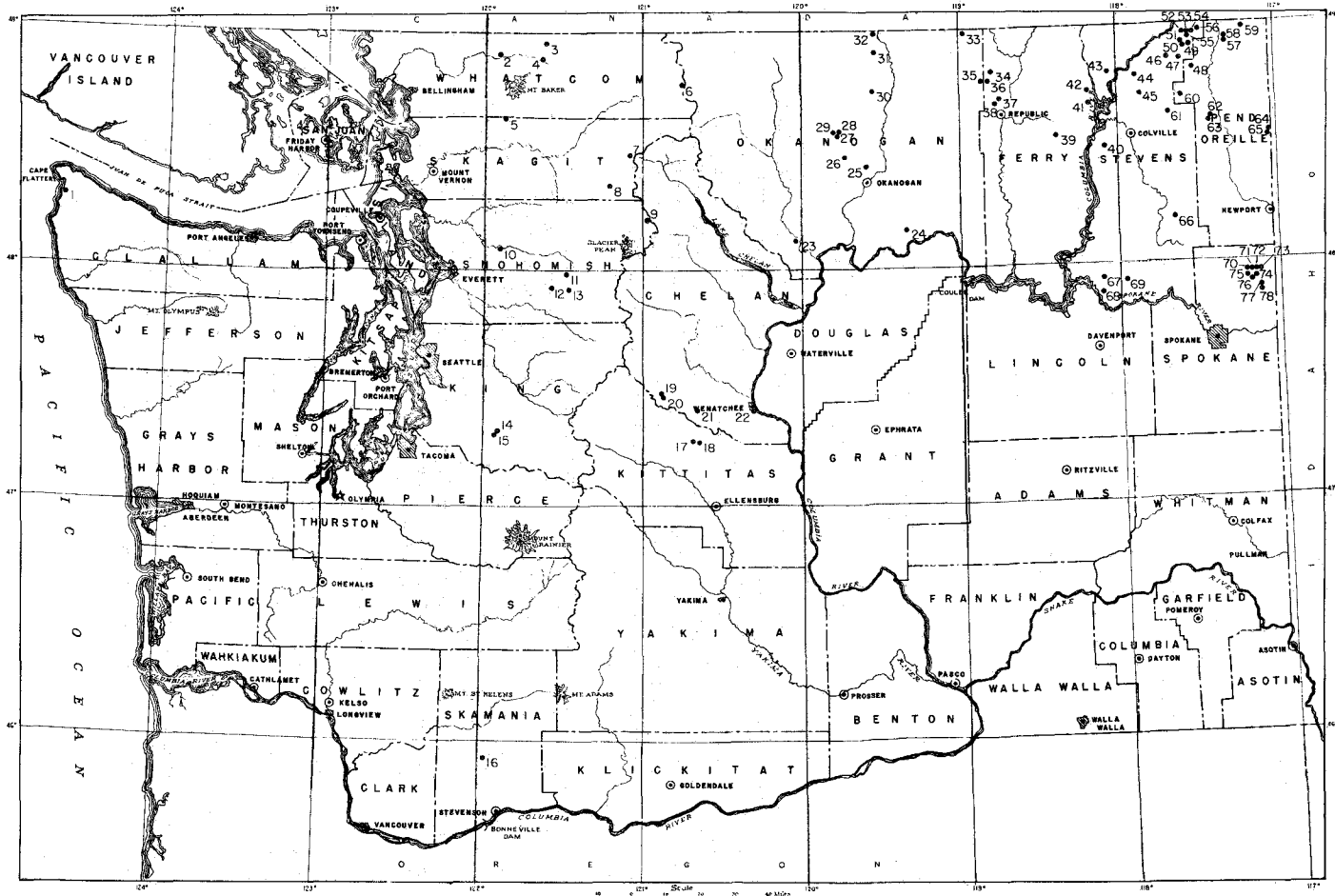
The abbreviations used throughout the directory include:

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

Underscoring indicates the metal or metals of principal economic importance.

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

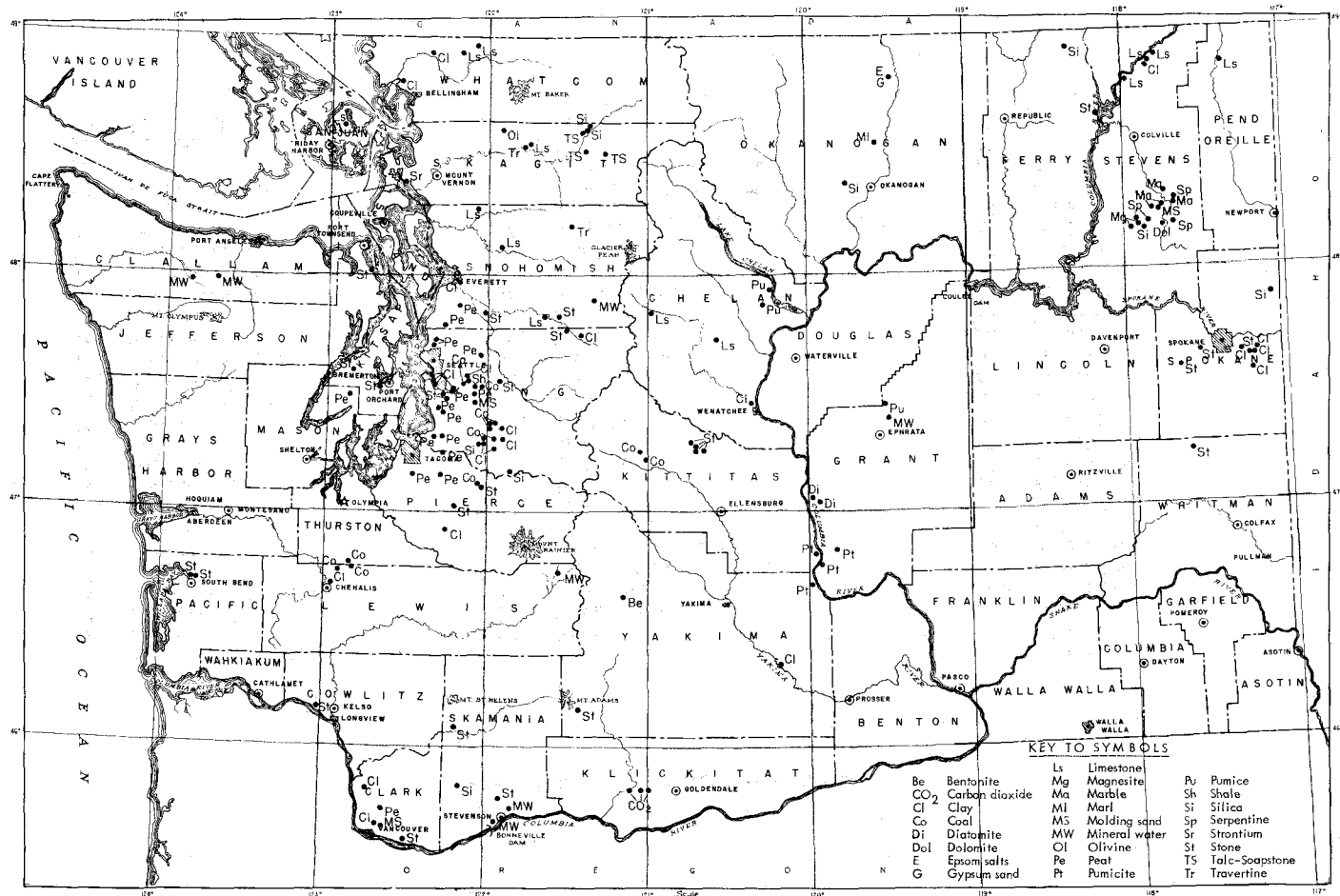
CURRENTLY ACTIVE METALLIC PROPERTIES



KEY TO ACTIVE METALLIC PROPERTIES

- | | | |
|-------------------------|-----------------------------|--------------------|
| 1. Riley | 27. Blackbird | 53. Lakeview |
| 2. Glacier | 28. Gubser | 54. Gladstone |
| 3. Saginaw | 29. Mineral Hill | 55. Lucille |
| 4. Deo Gratias (Verona) | 30. Silver Star | 56. Just Time |
| 5. Industrial | 31. Spokane (American Rand) | 57. Grandview |
| 6. New Light | 32. Hammond and Johnson | 58. Pend Oreille |
| 7. Diamond | 33. Buckhorn Iron | 59. LaSota Jones |
| 8. Mount Buckindy | 34. Kelley Camp | 60. Rocky Creek |
| 9. Glacier Peak | 35. Phil Sheridan | 61. Pioneer |
| 10. Wayside | 36. Zalla M | 62. Quartz Ridge |
| 11. Iowa | 37. Knob Hill | 63. Lost Creek |
| 12. Kromona | 38. South Penn | 64. H. P. S. |
| 13. Western Exploration | 39. Lucky Sunday | 65. Veneta |
| 14. Royal Reward | 40. Aguila Lead Silver | 66. Kulzer |
| 15. Cardinal Reward | 41. Nancy Creek | 67. Big Smoke |
| 16. Wind River | 42. Tie Camp | 68. Peters |
| 17. Red Cross | 43. Koschutzke | 69. Midnite |
| 18. Miner's Mining | 44. Alaska-Canadian | 70. Herem Moore |
| 19. Cle Elum River | 45. Tenderfoot | 71. Huffman |
| 20. Blue Bonnet | 46. Last Chance | 72. Dahl Tract "A" |
| 21. Taybo | 47. Deep Lake | 73. Dahl |
| 22. Gold King | 48. Rushmeir | 74. Ingram |
| 23. Holden-Campbell | 49. Lead Trust | 75. Daybreak |
| 24. Chief Jo | 50. Lead King | 76. Cline |
| 25. Sherman | 51. Anderson | 77. Land |
| 26. Fourth of July | 52. Jackson | 78. Mourning |

CURRENTLY ACTIVE NONMETALLIC PROPERTIES



WASHINGTON MINERAL PRODUCTION (a)

Product	1958		1959 (b)	
	Quantity	Value	Quantity	Value
Chromite --- short tons	17	\$2,000	---	---
Clays (c) ----- do --	196,000	183,000	200,000	\$190,000
Coal----- do --	252,000	1,968,000	224,000	(d)
Copper ----- do --	52	27,000	30	19,000
Iron ore ----- long tons	4,000	(d)	4,000	(d)
Lead ----- short tons	9,020	2,111,000	10,000	2,454,000
Manganese ore -- do --	---	---	82	(d)
Peat ----- do --	34,642	116,000	37,000	125,000
Petroleum (crude) (42-gallon barrels)	4,485	(d)	1,773	(d)
Sand and gravel -----	24,389,000	20,086,000	22,000,000	19,000,000
----- short tons				
Stone ----- do --	7,837,000	9,991,000	8,000,000	10,000,000
Talc and soapstone ---				
----- do --	4,000	21,000	(d)	(d)
Uranium----- do --	(e)	(e)	(e)	(e)
Zinc----- do --	18,797	3,835,000	16,960	3,867,000
Undistributed (f) -----		24,204,000		28,430,000
Total value	-----	\$60,897,000(g)	-----	\$62,293,000(g)

(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) Preliminary figures, partly estimated.

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

(d) Value included with "Undistributed."

(e) Uranium ore production data are classified by the Atomic Energy Commission.

(f) Abrasive stone (grinding pebbles), barite, carbon dioxide, cement, diatomite, gem stones, gold, gypsum, magnesite, mercury (1958), olivine, pumice, silver, strontium, uranium, and values indicated by footnote d.

(g) Total has been adjusted to eliminate duplication in the value of clay and stone.

The 1959 value of Washington mineral production rose to \$62.3 million, an increase of 2 percent (\$1.4 million) from the previous year, according to estimates by the United States Bureau of Mines. The rise was attributable largely to higher production of cement, lead, gold, silver, and uranium. Increases in these commodities offset lower output of barite, coal, copper, gypsum, magnesite, pumice, sand and gravel, and zinc. The value was the greatest since 1955 when the State total reached \$67.3 million. Continued expansion of production and facilities in the cement industry was the leading development in 1959.

In 1958, Washington ranked sixth among the states in production of lead, ninth in zinc, sixth in gold, and seventh in silver. Washington's Metaline district in Pend Oreille County was fifth in production of lead and eighth in zinc among the nation's mining districts. The Pend Oreille and Grandview mines, within the Metaline district, ranked eleventh and twentieth, respectively, in production of lead and tenth and twenty-second in zinc in the United States. The Knob Hill mine in Ferry County was fourth in gold and seventeenth in silver production. Gold was also produced in Chelan County from the Gold King mine, which ranked fourteenth in the nation. Washington's largest uranium producer, the Dawn Mining Company, is reported to have had uranium production of \$6,168,102 in 1958.

METALLIC MINING OPERATIONS

Abbreviations used:

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

Underscoring indicates the metal or metals of principal economic importance.

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

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
AGUILA LEAD SILVER MINE John Marty and Marvin Meddock Rice, Wash. Current exploration	<u>Pb</u> , Ag, Cu	STEVENS COUNTY Kettle Falls district SE $\frac{1}{4}$ sec. 25, (35-37E)
ALASKA-CANADIAN MINES, INC. E. H. Weibert, lessor P. O. Box 333 Colville, Wash. Current exploration	Rare earths	STEVENS COUNTY O'Toole Mountain area E $\frac{1}{2}$ sec. 9, (38-39E)
AMCO MINING CO. Fred Lawless, Pres. 17401 10th N.E. Seattle, Wash. Current exploration at the Wayside mine	<u>Pb</u> , Cu, Ag, Zn	SNOHOMISH COUNTY Granite Falls area S $\frac{1}{2}$ S $\frac{1}{2}$ sec. 8, (30-7E)
AMERICAN EAGLE MINING CO. Ronald E. Madden, Pres. Gilbert McGlocklin, Vice Pres. Ward Shafer, Secy.-Treas. 9015 Empire Millwood, Wash. Current exploration	<u>Pb</u> , Ag, Cu, Au	STEVENS COUNTY Rice area
AMERICAN ZINC, LEAD & SMELTING CO. 1600 Paul Brown Bldg. St. Louis 1, Mo. R. E. Calhoun, Western Mgr. 423 Mills Bldg. El Paso, Texas John W. Currie, Res. Mgr. Metaline Falls, Wash. 750-ton flotation mill. Current production at Grandview mine	<u>Zn</u> , <u>Pb</u> , Ag	PEND OREILLE COUNTY Metaline district Secs. 14, 15, 22, 30, (39-43E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
BASIC MINERALS LIMITED Grand Forks, B. C., Canada Herb Bonnett, Mgr. Current exploration at Last Chance Consolidated and Great Western mines	Pb, Zn	STEVENS COUNTY SE $\frac{1}{4}$ sec. 24, (39-40E)
BEAR CREEK MINING CO. S. E. Jerome W. 508 Cataldo Ave. Spokane, Wash. Current exploration in: Miner's Ridge area Mount Buckindy area	<u>Cu, Au,</u> <u>Mo, W</u>	SNOHOMISH COUNTY Suiattle district SKAGIT COUNTY Suiattle district
BEAR CREEK URANIUM EXPLORATION Robert Swanke, Pres. Rhame, N. Dak. Current production at Herem Moore lease	U	SPOKANE COUNTY Mount Spokane area SW $\frac{1}{4}$ sec. 2, (28-44E)
BLUE BONNET Riley Williams and associates 910 S. 30th Ave. Yakima, Wash. Current development	<u>Cu, Au,</u> <u>Ni, Co</u>	KITTITAS COUNTY Camp Creek area SE $\frac{1}{4}$ sec. 25, (23-14E)
BONNIE MINE, INC. Leonard Salter, Pres. Box 307 Colville, Wash. Current exploration at Phil Sheridan mine	<u>Ag, Cu,</u> <u>Pb, Zn</u>	OKANOGAN COUNTY E. Fork Toroda Creek area E $\frac{1}{2}$ sec. 23, and W $\frac{1}{2}$ sec. 24, (38-31E)
CHIEF JO TUNGSTEN INC. Fred Timm Box 689, Okanogan, Wash. 50-ton gravity mill under construction. Current development	W	OKANOGAN COUNTY Goose Lake area Sec. 30, (31-28E)
CLAYLOON URANIUM CO., INC. Byrl T. Goodwin, Jr., Pres. 319 Peyton Bldg. Spokane 1, Wash. Current exploration at Lead Trust mine	Pb	STEVENS COUNTY Gladstone Mountain SW $\frac{1}{4}$ sec. 7, (39-42E)
CLE ELUM RIVER MINING CO., INC. Phil Denney, Pres. 310 Blaine St. Seattle 9, Wash. Building mill near Camp Creek. Current development at Camp Creek Silver, Silver Creek Gold, and Mount Hawkins Copper properties	<u>Ag, Au,</u> <u>Pb, Zn,</u> <u>Cu</u>	KITTITAS COUNTY Camp Creek area Sec. 25, (23-14E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
DAWN MINING CO. G. S. Hinsdale, Pres. 503 Public Service Bldg. Portland 4, Oreg. Jack Crowhurst, Gen. Mgr. Ford, Wash. 440-ton mill at Ford, Wash. Current production at Midnite mine	U	STEVENS COUNTY Turtle Lake area Sec. 12, (28-38E)
DAYBREAK URANIUM, INC. James W. Fox, Pres. Kae H. Sowers, Secy.-Treas. 12707 E. Valleyway Opportunity 67, Wash. Limited production at: Daybreak mine Current exploration at Dahl tract "A"	U	SPOKANE COUNTY Mount Spokane area E $\frac{1}{2}$ N $\frac{1}{2}$ E $\frac{1}{4}$ sec. 11, (28-44E) Sec. 6, (28-45E)
DEEP LAKE MINING & MILLING CO. Ray Ziegler, Pres. Box 694 North Bonneville, Wash. Current exploration at: Jackson mine Lakeview mine Lead King mine Lucille mine Deep Lake mine	Zn, Pb, Ag	STEVENS COUNTY Leadpoint area SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 24, (40-41E) NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 19, (40-42E) SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 12, (39-41E) N $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 30, (40-42E) Deep Lake area NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 34, (39-41E)
DIAMOND PROPERTY William Soren Route 1 Sedro Woolley, Wash. Current exploration	Ag, Pb, Zn	SKAGIT COUNTY Cascade Pass area Sec. 35, (35-13E)
ELMER L. SMITH & ASSOCIATES Grand Junction, Colo., lessors Triton Mining Co., lessee Current exploration at: Nancy Creek group Tie Camp group	Rare earths	FERRY COUNTY Boyds area Secs. 29, 30, 32, (37-37E) Sec. 7, (37-37E), sec. 12, (37-36E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
EVERGREEN URANIUM EXPLORATION CO. J. V. Dimitroff, Pres. Rockford, Wash. Current development at Mourning lease	U	SPOKANE COUNTY Mount Spokane area Sec. 4, (27-45E)
FLAG HILL MINES CORP. Percy Bergt, Pres. Mrs. Enid King Neilan, Secy. Route 11, Box 524 Olympia, Wash. Current exploration at old Spokane (American Rand) property	<u>Au</u> , Ag	OKANOGAN COUNTY Wannacut Lake area W $\frac{1}{2}$ sec. 11, (39-26E)
FOURTH OF JULY MINE Cecil B. Murray 9 Pogue Road Omak, Wash. Limited production	Ag	OKANOGAN COUNTY Conconully area SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, (34-25E)
GLACIER MINING CO. J. R. Atkeson, Mgr. 4039 Evanston Ave. Seattle, Wash. R. B. LaFlamboy, Pres. 6809 Greenwood Ave. Seattle 3, Wash. Current exploration at Glacier mine	<u>Cu</u> , Ag, Au	WHATCOM COUNTY Glacier area NE $\frac{1}{4}$ sec. 5, SW $\frac{1}{4}$ sec. 4, (39-7E)
GLADSTONE MINE A. G. Lotze, lessee Aladdin Route Colville, Wash. R. H. Graham, owner 202 Radio Central Bldg. Spokane 4, Wash. Current production	Pb, Zn	STEVENS COUNTY Northport district Sec. 18, (39-42E)
THE GOLDFIELD CONSOLIDATED MINES CO. Willis A. Swan, Exec. V.P. No. 1, Montgomery St. San Francisco 4, Calif. T. Higginbotham, Resident Mgr. Aladdin Route Colville, Wash. Current exploration at Anderson mine	<u>Zn</u> , Pb	STEVENS COUNTY Leadpoint district NW $\frac{1}{4}$ sec. 2, (39-41E)
GRANDVIEW MINES Karl W. Jasper, Pres. 310 Radio Central Bldg. Spokane 4, Wash. Current exploration at Just Time claims	<u>Pb</u> , Zn	STEVENS COUNTY Leadpoint area Sec. 15, (40-42E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
GREEN NUGGET MINING CO. Ed Sheffler, Mgr. Ione, Wash. Limited production from H.P.S. claims	U	PEND OREILLE COUNTY Lamb Creek area Sec. 13, (35-45E)
HAMMOND and JOHNSON A. W. Hammond South Bend, Wash. L. C. Johnson Box 417 Oroville, Wash. Current exploration	Fe	OKANOGAN COUNTY Shankers Bend area Secs. 2, 3, 4, 10, 11, (40-26E)
INDUSTRIAL MINING, INC. Fred P. Nielson, Pres. Hamilton, Wash. Limited production	Cr	SKAGIT COUNTY Twin Sisters area Secs. 3, 9, 10, (36-7E)
IOWA MINE Robert T. Curtiss Route 1, Box 156 Monroe, Wash. Lessee of Mint claim from Sultan Basin Mining Co. Current development	<u>Cu</u> , Ag, <u>Au</u> , Mo	SNOHOMISH COUNTY Sultan Basin district Sec. 27, (29-10E)
KNOB HILL MINES, INC. A. R. Patterson, Gen. Supt. Republic, Wash. 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)
KOSCHUTZKE MINE Paul Koschutzke, lessor Rt. 2 Kettle Falls, Wash. Jack E. Miller, Norman C. Schack, and Tom Davis 19450 208th Ave. S.E. Renton, Wash. Current exploration	<u>Ag</u> , Pb, <u>Zn</u>	STEVENS COUNTY Barstow area SE $\frac{1}{4}$ sec. 13, (38-37E)
KROMONA CONSOLIDATED MINES, INC. Joe F. Krom, Pres. 721 Lloyd Bldg. Seattle, Wash. 120-ton mill. Current production from Kromona mine	<u>Cu</u> , Mo, <u>W</u> , Ag, <u>Au</u>	SNOHOMISH COUNTY Sultan district Sec. 13, (28-9E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
KULZER MINE C. C. Hill, lessor W. 815 Mountain View Ave. Spokane 53, Wash. Intermittent production	Fe	STEVENS COUNTY Valley area Sec. 20, (31-41E)
LaSOTA JONES CO. F. P. LaSota and E. P. Jones Metaline Falls, Wash. Current exploration	Zn, Pb	PEND OREILLE COUNTY Slate Creek district Secs. 14, 15, 22, 23, (40-44E)
LOVITT MINING CO., INC. E. H. Lovitt, Pres. Box 1668, Wenatchee, Wash. Current production at Gold King mine	Au, Ag	CHELAN COUNTY Squillchuck area Secs. 16, 21, 22, (22-20E)
MARCEAR, TED and AL Chelan, Wash. Current exploration on Red Cross and LeRoy claims	Au	KITTITAS COUNTY Liberty district
MINER'S MINING, INC. Ed Miner, Pres. Rt. 2, Cle Elum, Wash. Current exploration on various properties	Au	KITTITAS COUNTY Liberty area Sec. 1, (20-17E) Sec. 6, (20-18E)
MITSUI BUSSON KAISHA, LTD. Suburo Nishimura, Mgr. Mining Div. 525 Exchange Bldg. 821 Second Ave. Seattle, Wash. Current exploration at Buckhorn Iron mine	Fe	OKANOGAN COUNTY Buckhorn Mountain area Secs. 13, 24, (40-30E)
MT. BAKER MINING & MILLING CO. H. V. Carson, Pres. 2215 Utter St. Bellingham, Wash. Current development at Deo Gratias mine (Verona)	Zn, Pb, Au, Ag	WHATCOM COUNTY Mount Baker area SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 17, (39-9E)
MUDHOLE EXPLORATION, INC. Adolf C. Nissen, Pres. Ralph Umbreit, Vice Pres. 712 Hutton Bldg. Spokane 4, Wash. Current development at Land lease	U	SPOKANE COUNTY Mount Spokane area Sec. 5, (27-45E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
NEVADA RAWHIDE MINING CO. Clarence Davis, Pres. 114 College Ave. Cheney, Wash. Cline Tedrow, Engineer 414 Fernwell Bldg. Spokane, Wash. Current exploration on Tenderfoot group	Pb, Ag	STEVENS COUNTY Gillette Mountain area S½ sec. 23, (37-39E)
P & H EXPLORATION AND MINING CORP. George W. Heller, Pres. Box 133 Wenatchee, Wash. Current exploration on Blackbird claims	Pb, Cu	OKANOGAN COUNTY Conconully district NE¼ sec. 1, (35-24E)
PAYMASTER MINES, INC. Paul Rogstad, Pres. Box 44, Pateros, Wash. 50-ton gravity mill under construction. Current development at Holden-Campbell group	<u>Cu</u> , <u>W</u> , <u>Au</u> , <u>Ag</u>	OKANOGAN COUNTY Squaw Creek district NW¼ sec. 11, (30-22E)
PEND OREILLE MINES & METALS CO. Jens Jensen, Pres.-Treas. A. C. Wimberly, Secy.-Asst. Treas. 923 Old National Bank Bldg. Spokane 1, Wash. L. M. Kinney, Res. Mgr. Metaline Falls, Wash. 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.
RILEY LEASE Jerry K. Riley, lessor Rt. 1, Box 290 Elma, Wash. John Morrow, Sr., John Morrow, Jr., and Lawrence Stevens Rt. 1, Box 292 Elma, Wash. Current exploration at Shi Shi Beach placer	Au	CLALLAM COUNTY Neah Bay area S½ sec. 19, (32-15W)
ROCKY CREEK MINE George Jensen and Joseph R. McNamee Northport, Wash. Current exploration	<u>Pb</u> , <u>Ag</u> , <u>Au</u>	PEND OREILLE COUNTY Tiger area SE¼ sec. 23, (37-41E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
SAGINAW GOLD & COPPER MINES, INC. R. L. Averill, Pres. Joe Westhoff, Vice Pres. 500 Gladstone St. Bellingham, Wash. Flotation mill. Current development at Saginaw mine	<u>Cu</u> , Au, <u>Ag</u>	WHATCOM COUNTY NW $\frac{1}{4}$ sec. 15, (40-9E)
SHERMAN MINING CO. Rt. 1, Box 113 Omak, Wash. C. C. Sherman, Pres. W. E. Sherman, Vice Pres. T. H. Hohn, Secy.-Treas. Flotation mill. Current development at Sherman mine	<u>Pb</u> , <u>Zn</u> , <u>Au</u>	OKANOGAN COUNTY Ruby district Secs. 20, 29, (34-26E)
SILVER BUCKLE MINING CO. Dr. F. E. Scott, Pres. P. O. Box 1088 Wallace, Idaho Current production from Peters lease	U	STEVENS COUNTY Turtle Lake area Sec. 35, (28-37E)
SILVER MOUNTAIN MINING CO. Arthur G. Nickelsen, Pres. 2403 S. Tacoma Way Tacoma 3, Wash. 200-ton mill at Tonasket. Current exploration at Silver Star mine	<u>Ag</u> , Au, <u>Pb</u> , Zn	OKANOGAN COUNTY Tonasket area W $\frac{1}{2}$ sec. 34, (38-26E) NW $\frac{1}{4}$ sec. 3, (37-26E)
SMITH, ELMER L. & ASSOCIATES (See Elmer L. Smith & Associates.)		
SPOKANE MOUNTAIN URANIUM CO. U Al. Perri, Pres. P. O. Box 268 Lewiston, Idaho Limited production from Ingram lease	U	SPOKANE COUNTY Mount Spokane area SW $\frac{1}{4}$ sec. 18, (28-45E)
SPOKANE NATIONAL MINES INC. U George Allison, Pres. 414 Fernwell Bldg. Spokane, Wash. Limited production from Huffman lease Current exploration at: Dahl mine Big Smoke property	U	SPOKANE COUNTY Mount Spokane area SW $\frac{1}{4}$ sec. 1, (28-44E) N $\frac{1}{2}$ SW $\frac{1}{4}$ sec. 6, (28-45E)
		STEVENS COUNTY Turtle Lake area SE $\frac{1}{4}$ sec. 11, (28-37E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
SUNNY PEAK MINING CO. C. J. Weller, Pres. Dale Lamphere, Vice-Pres. 409 Empire State Bldg. Spokane 1, Wash. Current exploration at:	Ag, Cu, Pb	OKANOGAN COUNTY Salmon River district
Gubser mine		N $\frac{1}{2}$ sec. 36, (36-24E)
Mineral Hill mine		Sec. 35, (36-24E)
TAYBO CLAIMS George Debo 9739 1st Ave. N.W. Seattle, Wash. Current exploration on Shaser Creek Placer	Au	CHELAN COUNTY Blewett district Sec. 14, (22-17E)
THOMAS CONSOLIDATED MINING CO. David E. Watson, Pres. 640 Peyton Bldg. Spokane, Wash. Current exploration at South Penn pit	Au	FERRY COUNTY Republic area NW $\frac{1}{4}$ sec. 27, NE $\frac{1}{4}$ sec. 28, (37-32E)
TRIPLE H-J MINING CO., INC. Ted, Ben, and Ray Heikkila and Howard B. Johnson, partners Rt. 1, (P. O. Box 651) Astoria, Oreg. Limited production from Lost Creek claims	U	PEND OREILLE COUNTY Lost Creek area Secs. 30, 31, (36-43E)
TRITON MINING CO. Darrell A. Newland, Pres. Cline E. Tedrow, Vice Pres. William E. Cullen, Secy.-Treas. 422 Paulsen Building Spokane, Wash. Current exploration at:		FERRY COUNTY
Kelly Camp mine	W, Cu, Mo	Bodie Mountain area Secs. 8, 9, 16, (38-32E)
Lucky Sunday group	U	Sherman Creek Pass area Sec. 11, (35-35E)
Pioneer mine	Zn, Pb, Ag	STEVENS COUNTY Colville area Secs. 7, 18, (36-41E)
ULTRA RAY DRILLING AND MINING CO. D. Rossmiller, Pres. Great Falls, Mont. Limited production from Cline lease	U	SPOKANE COUNTY Mount Spokane area NW $\frac{1}{4}$ sec. 24, (28-44E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
UMATILLA DEVELOPMENT CO. Milton Sharp Sharps Corner Umatilla, Oreg. Highnoon Uranium Mines, Inc., lessor Current exploration at Quartz Ridge claims	U	PEND OREILLE COUNTY Lost Creek area Secs. 19, 20, 29, 30, (36-43E)
UTAHCAN, INC. L. L. Lorang, Pres. Gordon Berkhaug, Vice Pres. E. 1831 Sprague Ave. Spokane 31, Wash. Operating 75-ton flotation mill. Current production at Rushmeir lease	<u>Pb, Zn,</u> <u>Ag, Au</u>	PEND OREILLE COUNTY Jim Creek area Secs. 8, 9, 16, 17, (38-42E)
VENETA CO. 1344 15th Ave. Longview, Wash. Current exploration	U	PEND OREILLE COUNTY Lamb Creek area Sec. 13, (35-45E)
WASHINGTON MINING CORP. Burt Avery, Gen. Supt. Box 66 Palmer, Wash. Current exploration at: Royal Reward mine Cardinal Reward mine	Hg	KING COUNTY Kanasket area SW $\frac{1}{4}$ sec. 9, (21-7E) NE $\frac{1}{4}$ sec. 17, (21-7E)
WESTERN EXPLORATION & DEVELOPING John Skuseck, Pres. 9008 E. Taylor Tacoma, Wash. Current exploration	Cu	SNOHOMISH COUNTY Index area Secs. 14, 15, (28-10E), sec. 18, (28-11E)
WESTERN GOLD MINING, INC. Harry P. Kramer, Pres. 712 Vance Bldg. Seattle 1, Wash. 100-ton flotation mill. Current exploration at New Light mine	<u>Au, Ag</u>	WHATCOM COUNTY Slate Creek district Sec. 27, (38-17E)
WIND RIVER MINING CO. Everett N. Philpott, Pres. 103 West 11th St. Vancouver, Wash. Operating pilot mill. Current development	<u>Au, Ag</u>	SKAMANIA COUNTY Wind River district Near Paradise Creek Camp
ZALLA M MINE Jack Reid, owner and operator Republic, Wash. Current exploration	Ag, Cu	FERRY COUNTY E. Fork Toroda Creek area Sec. 30, (38-32E)

NONMETALLIC MINING OPERATIONS

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
ACME AMERICAN PEAT MOSS W. E. Weaver N. 165th and Meridian Seattle 33, Wash. Current production	Peat moss	KING COUNTY North Seattle Pit at same address
ADDERSON, J. G. 10621 Crestwood Drive Seattle 88, Wash. Current production at:		
Alcorn pit	Clay	KING COUNTY Green River area SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 27, (21-6E)
Johnson mine	Clay	Black Diamond area E $\frac{1}{2}$ sec. 26, (21-6E)
Denny-Renton quarry	Silica	Enumclaw area NW $\frac{1}{4}$ sec. 1, (19-7E)
AGRO MINERALS, INC. R. W. Cool, Pres.-Gen. Mgr. R. R. 1, Tonasket, Wash. Current production	Epsom salts, gypsum sand	OKANOGAN COUNTY Tonasket area SE $\frac{1}{4}$ sec. 5, (38-27E)
ARBOR LAKE HUMUS CO. Lewis Johnson 12282 2nd Ave. S. Seattle, Wash. Current production	Peat	KING COUNTY South of Seattle Pit at same address
ARROWSMITH COAL CO. Cecil Arrowsmith R.F.D. Box 404 Centralia, Wash. Limited production	Coal	LEWIS COUNTY Centralia area
B & R COAL CO. Ida Baima and Mike Rubattino P. O. Box 389 Renton, Wash. Current production at Bagley No. 1 mine	Coal	KING COUNTY Newcastle area Secs. 26, 27, (24-5E)
BASSETT'S GRO-EARTH Leno Bassett, owner 17050 Brookside Blvd. Seattle 55, Wash. Current production	Peat	SNOHOMISH COUNTY Kenmore area SW $\frac{1}{4}$ sec. 35, (27-4E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
BEATY, A. H. 417 Quincy St. (Box 25) South Bend, Wash. Intermittent production	Riprap	PACIFIC COUNTY Raymond area NE $\frac{1}{4}$ sec. 23, (14-9W)
BLACK PRINCE COAL CO. Mrs. Angeline Parkin Route 2, Box 324 Centralia, Wash. Limited production	Coal	LEWIS COUNTY Centralia area S $\frac{1}{2}$ sec. 28, (15-1W)
BLACK RIVER QUARRY, INC. J. R. Hawk, Pres.-Mgr. 6808 S. 140th St. Seattle 88, Wash. Current production (See also: Black River Quarry, Inc. under Sand and Gravel Operations.)	Landscape rock	KING COUNTY 6808 S. 140th St. Seattle Sec. 14, (23-4E)
BOW LAKE HUMUS CO. T. and F. Boysen, owners 18118 Pacific Highway South Seattle 88, Wash. Current production	Peat	KING COUNTY Bow Lake area NE $\frac{1}{4}$ sec. 33, (23-4E)
BRADLEY, WARD Rt. 2, Box 958B Puyallup, Wash. Current production	Peat	PIERCE COUNTY Puyallup area Center sec. 3, (19-4E)
BREMERTON MONUMENT CO. Lester M. Lewis, owner 5409 Kitsap Way Bremerton, Wash. Current production at Green Mountain quarry	Monument stone, landscape rock	KITSAP COUNTY Green Mountain area NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 8, (24-1W)
BRIGHTON, LARRY Rt. 2 Cle Elum, Wash. Limited production	Rubble, landscape rock	KITTITAS COUNTY Liberty area NW $\frac{1}{4}$ sec. 1, (20-17E)
BUILDERS BRICK CO. R. C. Houlihan, Pres. 3800 Ninth Ave. S. Seattle 8, Wash. Current production at:	Brick, tile	Plants in Seattle and at Newcastle, King County, and Clay City, Pierce County
Seattle pit	Clay	KING COUNTY 9th and Charleston Seattle
Newcastle pit	Clay	Cougar Mountain area NW $\frac{1}{4}$ sec. 31, (24-6E)

(continued on following page)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
BUILDERS BRICK CO. (continued from preceding page)		
Elk pit	Clay	Ravensdale area SE $\frac{1}{4}$ sec. 34, (22-7E)
Clay City pit	Clay	PIERCE COUNTY S $\frac{1}{2}$ sec. 25, (17-4E)
BUTTE POZZOLAN CO. Paul W. Wise, owner Box 64 Sunnyside, Wash. Box 267 Boise, Idaho Current development		
	Pozzolan (pumicite)	YAKIMA COUNTY Priest Rapids area Sec. 20, (14-23E)
BUZZARD SILICA QUARRY Ottis Buzzard, owner Okanogan, Wash. R. H. Sussex, lessor 2850 Highway 2A Bellevue, Wash. Intermittent production		
	Silica	OKANOGAN COUNTY Loup Loup road SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 6, (33-25E)
CALCO INDUSTRIAL MINERALS C. P. Callahan 725 Central Bldg. Seattle 4, Wash. Intermittent production		
	Bentonite	YAKIMA COUNTY Tieton area E $\frac{1}{2}$ sec. 7, (13-14E)
CANTONWINE and CARNEY Irving Cantonwine and Ray L. Carney 616 S.E. 101st Ave. Vancouver, Wash. Current exploration		
	Silica	SKAMANIA COUNTY Lookout Mountain area Sec. 13, (4-5E)
CARBONADO COAL CO. T. A. Basselli, Supt. P. O. Box 152 Carbonado, Wash. Current exploration		
	Coal	PIERCE COUNTY Carbonado area Sec. 4, (18-6E)
CARL CARBON, INC. N. 3430 Cook St. Spokane, Wash. Current production (See also: Carl Carbon, Inc. under Sand and Gravel Operations.)		
	Crushed rock, landscape rock (basalt)	SPOKANE COUNTY Spokane area On Geiger Field
CARLSON PEAT & WOOD Eric E. Carlson 21862 Fall City Highway Redmond, Wash. Current production		
	Peat	KING COUNTY Bog at same address NE $\frac{1}{4}$ sec. 16, (25-6E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
CASCADE CALCIUM, INC. Dr. Glen E. Deer, Pres. 1717 Market St. Seattle, Wash. Current development	Limestone	CHELAN COUNTY Leavenworth area Secs. 21, 22, 27, (26-18E)
CASCADE HAULING CO. Walter and Pete Norquist 918 "K" St. Centralia, Wash. Current production	Ballast (pit run)	LEWIS COUNTY Centralia area Sec. 28, (15-2W)
CASCADE MINERALS, INC. Ray Ziegler, Pres. Box 694 North Bonneville, Wash. Current development	Colored rubble, landscape rock	SKAMANIA COUNTY Hemlock Ranger Station area W $\frac{1}{2}$ sec. 1, (3-7E)
CASCADE TALC & SILICA CO. J. W. Pape Marblemount, Wash. Intermittent production from Sadie Cudworth deposit	Talc, soapstone	SKAGIT COUNTY Cascade River near Sibley Creek SE $\frac{1}{4}$ sec. 21, (35-12E)
CAVANAUGH MOLDING SAND CO. Milton B. Cavanaugh 9827 S.E. 94th St. Kennydale, Wash. Current production	Molding sand, daubing clay	KING COUNTY Cedar Mountain area NE $\frac{1}{4}$ sec. 30, (23-6E)
CHEHALIS BRICK & TILE CO. F. G. Burrows, Mgr. Box 868 Chehalis, Wash. Current production	Brick, tile	LEWIS COUNTY At Chehalis W $\frac{1}{2}$ sec. 29, (14-2W)
CLARK COUNTY PEAT CO. Mrs. Ralph Marquette 6314 N.E. 159th St. Vancouver, Wash. Current production	Peat	CLARK COUNTY Manor area Sec. 18, (3-2E)
COAL INC. James A. Andersen, Pres. 903 Arctic Building Seattle, Wash. Current development	Coal	KING COUNTY Ravensdale area S $\frac{1}{2}$ sec. 36, (22-6E)
COLUMBIA ROCK CO. John Adams Evans, Wash. Current production	Limestone	STEVENS COUNTY China Bend area
DRAGHI COAL CO. Louis Draghi Box 366 Black Diamond, Wash. Current production at No. 3 mine	Coal	KING COUNTY Black Diamond district SE $\frac{1}{4}$ sec. 14, (21-6E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
EMPIRE GRANITE CO. John F. Goldback, Mgr. P. O. Box 273 Dishman, Wash. Current production	Monumental, architectural, and crushed granite	SPOKANE COUNTY Near Dishman Secs. 19, 20, (25-44E)
EVERETT LIME CO. Gordon C. Clauson 1928 Milford Way Seattle 77, Wash. Leasing McGraw-Kittinger deposit from Elsie Westerman, Seattle, Wash. Current production	Limestone	SAN JUAN COUNTY Orcas Island NW $\frac{1}{4}$ sec. 2, (36-2W)
FEDERAL WAY HUMUS CO. E. G. Schwieger, owner P. O. Box 200 Auburn, Wash. Current production	Peat	KING COUNTY Federal Way area NE $\frac{1}{4}$ sec. 8, (21-4E)
FIRST CREEK PUMICE J. H. Smith and H. D. Klinger Benton City, Wash. Current production	Pumice	CHELAN COUNTY First Creek area SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 36, (28-20E)
GARLAND MINERAL SPRINGS Rev. Cameron A. Sharpe, Director Index, Wash. Current production	Mineral water	SNOHOMISH COUNTY Index area Sec. 25, (28-11E)
GAS-ICE CORP. 200A Medical Arts Bldg. Seattle 1, Wash. R. B. Newbern, Pres. 1405 N.W. 20th Ave. Portland 9, Oreg. Current production	Carbon dioxide ("dry ice")	KLICKITAT COUNTY Near Klickitat Secs. 19, 23, 24, (4-14E)
GENERAL CONSTRUCTION CO. R. W. Jones, Pres. 3840 Iowa Ave. P. O. Box 3845 Seattle 24, Wash. Current production at Mats Mats Bay quarry (See also: General Construction Co. under Sand and Gravel Operations.)	Crushed rock, riprap	JEFFERSON COUNTY Port Ludlow area Lots 5, 6, 7, 8, Sec. 33, (29-1E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
GLADDING, McBEAN & CO. C. W. Planje, Pres. C. E. Goudge, Gen. Mgr. 945 Elliott Ave. W. Seattle 99, Wash. Ralph I. Clark, Div. Geol. 1500 Walla Walla Ave. Renton, Wash. Currently operating the following:	Clay and clay products	Plants at Renton, King County, and at Mica, Spokane County
Blum pit	Clay	KING COUNTY Near Palmer SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 31, (21-7E)
Harris mine	Clay	Near Issaquah NW $\frac{1}{4}$ sec. 33, (24-6E)
Newcastle clay pit	Clay	Newcastle area SW $\frac{1}{4}$ sec. 27, (24-5E)
Palmer pit	Clay	Palmer area NW $\frac{1}{4}$ sec. 14, (21-7E)
Renton pit	Clay	At Renton
Mica pit	Clay	SPOKANE COUNTY At Mica Sec. 23, (24-44E)
Veradale (A. M. Sommer)	Clay	Near Chester NE $\frac{1}{4}$ sec. 35, (25-44E)
GRANGER CLAY PRODUCTS CO. Alex Corbett, owner Englewood Ave. Yakima, Wash. Plant and pit at Granger, Wash. Current production	Brick, tile, clay	YAKIMA COUNTY SW $\frac{1}{4}$ sec. 22, (10-21E)
HAMPTON BRICK AND TILE CO. Jess Warner, operator Rt. 1 Everson, Wash. Current production	Clay	WHATCOM COUNTY Everson area Sec. 24, (40-3E)
HEMPHILL BROTHERS, INC. Wylie M. Hemphill, Secy. 3300 First Ave. S. Seattle 4, Wash. Current production at Baring quarry	Crushed granite	KING COUNTY Near Baring Sec. 2, (26-10E)
HICKS, C. B. Rt. 1, Box 41 Orting, Wash. Limited production	Flagstone (sandstone)	PIERCE COUNTY Orting area NW $\frac{1}{4}$ sec. 20, (18-5E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
HIDDEN BRICK CO. R. A. Hidden, Mgr. 2610 Kauffman Ave. Vancouver, Wash. Current production	Brick	CLARK COUNTY Pit at same address
HOLE IN THE GROUND QUARRY H. C. Bach, owner St. John, Wash. C. E. Ager, operator Pine City, Wash. Current production	Flagstone	WHITMAN COUNTY Rock Lake area SW $\frac{1}{4}$ sec. 14, (20-41E)
HORD, R. S. Rt. 3, Box 722 Auburn, Wash. Limited production	Peat	KING COUNTY Dolloff Lake area SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 10, (21-4E)
IDEAL CEMENT CO. Denver National Bldg. 821 17th St. Denver 2, Colo. Spokane Division: G. M. Bell, Plant Mgr. E. 12207 Empire Ave. (P. O. Box 34) Spokane, Wash. Quarry address: Northport, Stevens County. Plant address: Irvin, Spokane County. Current production at:	Portland cement	
Steen pit	Clay	SPOKANE COUNTY Near Shelley Lake Sec. 24, (25-44E)
Marble quarry Grotto plant (Formerly Northwestern Portland Cement Co.) Plant address: Grotto, Wash. Current production at:	Limestone	STEVENS COUNTY Near Marble Sec. 25, (39-39E)
Soda Springs quarry	Limestone	CHELAN COUNTY Soda Springs area N $\frac{1}{2}$ sec. 10, (27-15E)
Grotto pit	Clay	KING COUNTY At Grotto Sec. 17, (26-11E)
JANNI, PETER, & SONS (See Peter Janni & Sons.)		

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
KEENE & SON Roy C. Keene Medical Lake, Wash. Current production at Morris quarry	Monumental and architectural granite	SPOKANE COUNTY Near Medical Lake SE $\frac{1}{4}$ sec. 8, (24-41E)
KENITE CORP. C. A. Frankenhoff, Pres. A. G. Frankenhoff, Vice Pres. C. F. Koenig, Mgr. Overhill Bldg. Scarsdale, N. Y. Donald Ross, Plant Supt. P. O. Box 1001, Quincy, Wash. Current production	Diatomite	GRANT COUNTY South of Quincy Secs. 17, 22, (18-23E)
KETTLE FALLS QUARTZITE QUARRY Fred Fine Route 1 Kettle Falls, Wash. Current production	Ashlar, flagging (quartzite)	FERRY COUNTY Kettle Falls area SW $\frac{1}{4}$ sec. 2, (36-37E)
KIFERS MICA ROCK QUARRY Ralph Kifers Kettle Falls, Wash. Current production	Ashlar, flagging (quartzite)	FERRY COUNTY Kettle Falls area SW $\frac{1}{4}$ sec. 2, (36-37E)
KIRSCH, J. JACK Rt. 2 Cle Elum, Wash. Current production	Ashlar, flagstone, colored rubble, (sandstone)	KITTITAS COUNTY Liberty district Sec. 24, (21-17E) Sec. 6, (20-18E)
LANE MOUNTAIN SILICA, INC. L. F. Smith, Pres. Stanley Jones, Secy.-Treas. 5801 E. Marginal Way Seattle 4, Wash. Current development	Silica sand	STEVENS COUNTY West of Valley Secs. 15, 22, 26, 34, (31-39E)
LEE C. SWARTZ CONCRETE PRODUCTS Lee C. Swartz, owner 35 Swartz Rd. Ephrata, Wash. Current production (See also: Lee C. Swartz Concrete Products under Sand and Gravel Operations.)	Pumice sand	GRANT COUNTY Soap Lake area SE $\frac{1}{4}$ sec. 36, (23-26E)
LEHIGH PORTLAND CEMENT CO. Young Bldg. 718 Hamilton St. Allentown, Pa. Local address: Metaline Falls, Wash. A. W. Schaeffer, Plant Mgr. Current production at Metaline Falls quarry	Portland cement, limestone, quartzite, shale	PEND OREILLE COUNTY Near Metaline Falls NE $\frac{1}{4}$ sec. 27, (39-43E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
LONE STAR CEMENT CORP. Superior Division 120 Sixth Ave. N. Seattle 9, Wash. Ned H. Nelson, V. P.—Gen. Mgr. M. Masters, Gen. Supt. N. H. Peterson, Plant Mgr. Concrete, Wash. G. Kingma, Plant Mgr. Seattle, Wash. Formerly: Superior Portland Cement, Inc. Current production at: Seattle pit	Portland cement	Plant at Concrete, Wash. and plant at 3801 E. Marginal Way, Seattle
Saddle Mountain pit (Leased from N. W. L. Brown.)	Clay	KING COUNTY SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 30, (24-4E)
Concrete quarry	Pumicite	GRANT COUNTY Sec. 23, (15-23E) N $\frac{1}{2}$ sec. 3, S $\frac{1}{2}$ N $\frac{1}{2}$ sec. 4, N $\frac{1}{2}$ sec. 5, (15-24E) Sec. 33, (16-24E)
LOTZE, A. G. Aladdin route Colville, Wash. Limited production	Cement rock	SKAGIT COUNTY Sec. 2, (35-8E)
LOWELL BRICK & TILE CO. John Gorin, Mgr. P. O. Box 277 Lowell, Wash. Current production	Clay	STEVENS COUNTY Marble area N $\frac{1}{2}$ sec. 26, (39-39E)
MACKS COAL CO. Thomas H. Macks, Mgr. Box 54 Black Diamond, Wash. Limited production	Brick	SNOHOMISH COUNTY Lowell area SW $\frac{1}{4}$ sec. 29, (29-5E)
MANUFACTURERS MINERAL CO. Frank and J. G. Adderson, owners 1107 W. Idaho St. (P. O. Box 3543) Seattle 14, Wash. Current production at:	Coal	KING COUNTY Franklin area Sec. 18, (21-7E)
Index quarry	Crushed granite	SNOHOMISH COUNTY Near Index NE $\frac{1}{4}$ sec. 19, (27-10E)

(continued on following page)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
MANUFACTURERS MINERAL CO. (continued from preceding page)		
Chewelah pit	Silica sand, molding sand, filter sand, blast sand	STEVENS COUNTY Near Chewelah Sec. 28, (32-40E)
Marble quarries	Terrazzo chips	Chewelah area
Valley quarry	Dolomite	Near Valley Secs. 15, 22, (31-40E)
MAPLE VALLEY HUMUS Clay Hamilton, Howard McKittrick, and George Schaut R.F.D. 1 Maple Valley, Wash. Current production	Peat	KING COUNTY Maple Valley area Pit at 18805 170th S.E. Renton
MARL MINING CO. J. Ellis George, owner P. O. Box 1399, Broadway Station Seattle 2, Wash. Limited production	Travertine	SKAGIT COUNTY Concrete area NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, (35-8E)
Current development		SNOHOMISH COUNTY Darrington area Center sec. 2, (31-10E)
MARTIN and PRESENTIN Fred Martin E. V. Presentin Rockport, Wash. Current development	Silica, talc	SKAGIT COUNTY Marblemount area S $\frac{1}{2}$ sec. 10, sec. 15, (36-11E)
McKAY, THOMAS A. Route 2, Box 936 Puyallup, Wash. Intermittent production	Peat	PIERCE COUNTY Puyallup area SW $\frac{1}{4}$ sec. 3, (19-4E)
MILLER LIME CO. Leslie B. Miller P. O. Box 308 Gold Bar, Wash. Current production	Limestone	SNOHOMISH COUNTY Gold Bar area SE $\frac{1}{4}$ sec. 16, (27-9E) Granite Falls area SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 5, (30-7E)
MINERAL PRODUCTS CORP. Geo. H. Waterman, Pres. P. O. Box 3543 Seattle 14, Wash. Current development at LaConner mine	Strontianite, celestite	SKAGIT COUNTY LaConner area SE $\frac{1}{4}$ sec. 2, (33-2E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
MITCHELL BAY LIME CO. Gordon C. Clauson 1928 Milford Way Seattle 77, Wash. Current production at Maple Falls quarry	Limestone	WHATCOM COUNTY Near Maple Falls SW $\frac{1}{4}$ sec. 7, (40-6E)
MOFFETT'S HOT SPRINGS R. E. Slothower, Mgr. Box 116 North Bonneville, Wash. Current production	Mineral water	SKAMANIA COUNTY Near North Bonneville SW $\frac{1}{4}$ sec. 15, (2-7E)
MOUNT ADAMS SHEET ROCK QUARRY Joe Marston 9400 N.E. Mason St. Portland 20, Oreg. Current production	Flagstone (andesite)	YAKIMA COUNTY Mount Adams area SW $\frac{1}{4}$ sec. 27, (8-11E)
MT. SOLO ROCK CO. Roy A. Parsons, E. J. Hackett, and Jack Converse, Jr. 1333 14th Ave. Longview, Wash. Limited production (See also: Mt. Solo Rock Co. under Sand and Gravel Operations.)	Crushed rock	COWLITZ COUNTY Longview area Secs. 24, 25, (8-3W)
C. B. MUFFETT BRICK & TILE CO. Elmer Muffett, owner Rt. 1, Box 79 Ridgefield, Wash. Current production	Brick, tile	CLARK COUNTY NE. of Ridgefield SE $\frac{1}{4}$ sec. 17, (4-1E)
MUTUAL MATERIALS CO. E. R. Coats, Pres. 1200 Eighth Ave. S. Seattle 4, Wash. Current production (See also: Mutual Materials Co. under Sand and Gravel Operations.)	Sand-lime brick	KING COUNTY South Park area SE $\frac{1}{4}$ sec. 31, (24-4E)
NATURAL STONE CO. Gordon Lavigne Chewelah, Wash. Limited production from various quarries	Flagstone (slate)	PEND OREILLE COUNTY and STEVENS COUNTY
NORTH AMERICAN NON-METALLICS, LTD. W. McBay, Vice Pres. Box 603 Victoria, B. C. Plant address: P. O. Box 227 Valley, Wash. Lease and own various properties in Chewelah area. (continued on following page)	Terrazzo chips, stucco dash, roofing chips, colored rubble, landscape rock	STEVENS COUNTY Chewelah district

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
NORTH AMERICAN NON-METALLICS, LTD.		
(continued from preceding page)		
Current production at:		
Canadian white quarry	Marble	Sec. 18, (32-41E)
Cream-bottechino quarry	Marble	Sec. 15, (32-40E)
Keystone quarry	Serpentine	Secs. 8, 9, (31-39E)
Peach quarry	Serpentine	Sec. 12, (31-39E)
Red quarry	Marble	Sec. 19, (32-40E)
Regal quarry	Serpentine	Sec. 7, (32-41E)
Sage quarry	Serpentine	Sec. 18, (31-41E)
Yellow quarry	Marble	Sec. 35, (33-40E)
NORTHERN PACIFIC RAILWAY CO. Earl R. McMillan, Mgr. of Coal Operations 916 Smith Tower Seattle 4, Wash. Mine address: Roslyn, Wash. Current production at Mine No. 9	Coal	KITTITAS COUNTY Secs. 20, 21, 28, (20-15E)
NORTHPORT LIMESTONE CO. Wylie M. Hemphill 3300 First Ave. S. Seattle 4, Wash. Peter Janni, lessor. Current production	Limestone	STEVENS COUNTY Northport area SE $\frac{1}{4}$ sec. 7, (39-40E)
NORTHWEST MAGNESITE CO. Exec. office: 2210 Farmers Bank Bldg. Pittsburgh 22, Pa. Howard Ziebell, Mgr. Box 2 Chewelah, Wash. Current production from Red Marble quarry and calcining at plant near Chewelah, Wash.	Magnesite	STEVENS COUNTY Chewelah district SE $\frac{1}{4}$ sec. 24, (31-38E) SW $\frac{1}{4}$ sec. 19, (31-39E)
Intermittent production from Keystone quarry		W $\frac{1}{2}$ sec. 9, (31-39E)
NORTHWEST MARBLE PRODUCTS CO. Ernest Smith Chewelah, Wash. Plant in Chewelah. Current production from various quarries	Terrazzo chips, stucco dash, roofing chips	STEVENS COUNTY Chewelah area

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
NORTHWEST OLIVINE CO. John W. Reitze, Pres. 922 Seaboard Bldg. 4th and Pike Seattle, Wash. E. J. Watson, Treas. 329 Kincaid Mount Vernon, Wash. Plant at Hamilton. Current production at Twin Sisters quarry	Olivine (crude and crushed)	SKAGIT COUNTY Twin Sisters Mountains Sec. 16, (36-7E)
NORTHWEST TALC & MAGNESIUM CO. Nels F. Jensen, Mgr. P. O. Box 324 Clear Lake, Wash. Plant at Clear Lake. Current production	Roofing chips	SKAGIT COUNTY Rosario Beach area E½ sec. 13, (34-1E)
OHANAPECOSH HOT SPRINGS Martin Kilian, Mgr. Packwood, Wash. Current production	Mineral water	LEWIS COUNTY Mount Rainier area SW¼ sec. 4, (14-10E)
OLYMPIC HOT SPRINGS Harry Schoeffel, Mgr. Port Angeles, Wash. Current production	Mineral water	CLALLAM COUNTY Elwha area NW¼ sec. 28, (29-8W)
THE OLYMPIC PORTLAND CEMENT CO. Portland cement DIVISION OF PERMANENTE CEMENT CO. H. M. Krabbe, Gen. Supt. P. O. Box 17 Bellingham, Wash. Current production at:		
Brennan pit	Clay	WHATCOM COUNTY At Brennan Sec. 33, (39-2E)
Limestone quarry	Limestone	Near Kendall Secs. 8, 14, 15, 16, 17, 21, 22, 23, 27, (40-5E)
P & L COAL CO. Robert Peloli, Pres. Box 272 Wilkeson, Wash. Current production at Burnett mine	Coal	PIERCE COUNTY Wilkeson area Secs. 16, 21, 22, (19-6E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
PACIFIC SILICA CO. Wylie M. Hemphill, Secy. 3300 First Ave. S. Seattle 4, Wash. W. C. Kelso, Mgr. W. 417 Burns Rd. Spokane, Wash. Current production from Quartz Mountain deposit	Silica	SPOKANE COUNTY Mount Spokane area NW $\frac{1}{4}$ sec. 35, (28-45E)
PALMER COKING COAL CO., INC. John H. Morris, Gen. Mgr. Box 8, Black Diamond, Wash. Current production at:	Coal	
Landsburg mine		KING COUNTY Ravensdale area Sec. 25, (22-6E)
Fulton No. 2 mine		Sec. 18, (21-7E)
Rogers mine		NW $\frac{1}{4}$ sec. 30, (22-7E)
Bagley pit	Sandy shale	Newcastle area Center S $\frac{1}{2}$ sec. 26, (24-5E)
PARKLAND PEAT CO. I. H. Selden 1801 South 112 Tacoma, Wash. Current development	Peat	PIERCE COUNTY McChord Field area SW $\frac{1}{4}$ sec. 5, (19-3E)
PETER JANNI & SONS Peter Janni, owner Box 333, Northport, Wash. Current production	Limestone, terrazzo chips, stucco dash, marble roofing granules	STEVENS COUNTY Near Northport SE $\frac{1}{4}$ sec. 7, (39-40E)
PETERSON DEVELOPMENT CO., INC. Abrahamson Brick Division G. C. Anderson, Mgr. 5000 W. Marginal Way Seattle 6, Wash. Current production	Brick	KING COUNTY Pit at same address
PIONEER TOWING CO. George R. Osborn 5001 E. Marginal Way Seattle, Wash. Intermittent production	Stone, riprap	KITSAP COUNTY Pioneer quarry SE $\frac{1}{4}$ sec. 28, (24-1E)
PIRELLO BROS. E. 15110 36th Ave. Veradale, Wash. Limited production at Tiano clay pit	Clay	SPOKANE COUNTY 2 mi. east of Chester SE $\frac{1}{4}$ sec. 35, (25-44E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
PLANT FOOD CO Geo. Webster, owner 2303 N. 175th St. Seattle 33, Wash. Current production	Peat	KING COUNTY North Seattle Pit at same address
PRICHARD SILICA, INC. Stanley E. Prichard, Vice Pres. Box 161 Colville, Wash. Limited production	Silica	FERRY COUNTY Orient area Sec. 36, (40-35E)
PUGET SOUND BRIDGE & DRYDOCK CO. J. G. McCurdy, Pres. 2929 16th Ave. S.W. Seattle 4, Wash. Harry L. DuBois, Mgr., Quarry Div. 12020 E. Marginal Way Seattle 88, Wash. Current production at Riverton quarry. (See also: Puget Sound Bridge & Drydock Co. under Sand and Gravel Operations.)	Landscape rock	KING COUNTY Lot 7, Riverside Interurban tract Sec. 9, (23-4E)
RENTON POWDER CO. William Marenakos, owner 11621 164th Ave. S.E. Renton, Wash. Current production	Peat	KING COUNTY Renton area Bog at intersection of 128th Ave. S.E. and 164th Ave. S.E.
RHOD-A-ZALEA GARDENS R. D. Leamer and E. F. Chadwick Rt. 3, Snohomish, Wash. Current production	Peat	SNOHOMISH COUNTY Thomas Lake area SE $\frac{1}{4}$ sec. 32, (28-5E)
RISTE C. J. Box 41 Entiat, Wash. Current production	Pumice	CHELAN COUNTY Near Twentyfive Mile Creek Sec. 9, (28-21E)
ROSLYN CASCADE COAL CO. Harry S. Patrick, Pres. Ronald, Wash. Current production at: No. 4 mine Patrick strip	Coal	KITTITAS COUNTY Ronald area Sec. 6, (20-15E) Sec. 6, (20-15E)
RUNYON, H. G. Raymond, Wash. Current production from Raymond quarry	Riprap, crushed rock, rubble	PACIFIC COUNTY Raymond area Center sec. 23, (14-9W)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
ST. MARTIN'S MINERAL HOT SPRINGS Mr. and Mrs. Madison, Mgrs. Carson, Wash. Current production	Mineral water	SKAMANIA COUNTY Near Carson SE $\frac{1}{4}$ sec. 21, (3-8E)
SCHEEL, NORMAN Rockport, Wash. Intermittent production	Silica	SKAGIT COUNTY Marblemount area NE $\frac{1}{4}$ sec. 10, (36-11E)
	Soapstone	SW $\frac{1}{4}$ sec. 15, (36-11E)
SETZER, MAX 18011 Sunset Highway Renton, Wash. Intermittent production	Peat	KING COUNTY Coalfield area NW $\frac{1}{4}$ sec. 7, (23-6E)
SKAGIT TALC PRODUCTS William Soren, Mgr. Route 1 Sedro Woolley, Wash. Current production at Wilson quarry	Soapstone	SKAGIT COUNTY Near Marblemount NE $\frac{1}{4}$ sec. 21, (36-11E)
SMITH BROS. SILICA SAND CO. J. H., L. F., and C. S. Smith, owners Rt. 1, Box 1027 Auburn, Wash. Current production at Hammer Bluff deposit	Silica sand	KING COUNTY East of Auburn NE $\frac{1}{4}$ sec. 28, (21-6E)
SMITH, HERMAN Box 99 Marblemount, Wash. Current production	Talc, soapstone	SKAGIT COUNTY Marblemount area SE $\frac{1}{4}$ sec. 16, (35-11E)
SMITHROCK QUARRY, INC. Howard F. Smith, Pres.-Gen. Mgr. 3801 Fourth Plain Ave. (P. O. Box 96) Vancouver, Wash. Current production (See also: Smithrock Quarry, Inc. under Sand and Gravel Operations.)	Crushed rock, riprap, jetty rock	CLARK COUNTY Near Fisher Sec. 7, (1-3E)
SNOQUALMIE STONE, INC. F. G. Upjohn, Pres. Richard E. Martin, Vice Pres. 3215 E. 123rd Seattle, Wash. Intermittent production	Sandstone	KING COUNTY Preston area NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 21, (24-7E)
SOAP LAKE Several resorts, sanitariums, and hotels operating	Mineral water containing sodium salts, principally carbonates	GRANT COUNTY Secs. 12, 13, 24, (22-26E) Secs. 18, 19, (22-27E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
SOL DUC HOT SPRINGS W. C. Abel, owner Box 419, Hoquiam, Wash. Current production	Mineral water	CLALLAM COUNTY Lake Crescent area NW $\frac{1}{4}$ sec. 32, (29-9W)
STILLWELL CONSTRUCTION CO. J. F. Stillwell 919 Horton St. Seattle 4, Wash. Limited production	Clay	KING COUNTY Pit at same address
STOEN CONSTRUCTION CO. Glen J. and Milo A. Stoen, owners 2210 E. 95th St. Seattle, Wash. Current production at Monroe quarry	Riprap, landscape rock	SNOHOMISH COUNTY Monroe area E $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 10, (27-6E)
STOKER COAL CO. Ben, Fred L., and T. E. Martin, Jr., owners and operators Box 82 Centralia, Wash. Current production at Martin No. 3	Coal	THURSTON COUNTY Tono area
STONE CENTER INC. J. A. Wiley, Pres. William Ylinen, Mgr. 2603 S.E. Grand Ave. Portland 2, Oreg. Intermittent production	Building stone	SKAMANIA COUNTY Marble Mountain area Sec. 22, (7-5E)
SWARTZ, LEE C., CONCRETE PRODUCTS (See Lee C. Swartz Concrete Products.)		
SWAUK FLAG ROCK, INC. Ollie Jordin, owner Rt. 2 Cle Elum, Wash. Limited production at: Black Diamond quarry	Flag rock (sandstone)	KITTITAS COUNTY Swauk district Sec. 27, (21-17E)
Cougar Gulch quarry		Swauk district Sec. 36, (21-17E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
TEEL BROS. CONTRACTORS		
Carl Teel 1235 Brentwood Drive Bremerton, Wash. Current production at:		
Camp Union quarry	Riprap, landscape rock (granite)	KITSAP COUNTY Camp Union area NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 8, (24-1W)
Sunnyslope bog	Peat	Sunnyslope area NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7, (23-1E)
(See also: Teel Bros. Contractors under Sand and Gravel Operations.)		
TONO COAL CO.		
Ernest Barber Fred Martin Rt. 1, Box 398 Centralia, Wash. Ceased operations at Tono mine, May 1959	Coal	THURSTON COUNTY Tono area SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 20, (15-1W)
VALLEY PEAT CO.		
John and Joe Asahara Rt. 1, Sumner, Wash. Current production	Peat	KING COUNTY Pacific area NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 2, (20-4E)
WALKER CUT STONE CO., INC.		
Albert S. Kerry, Pres. 1117 2nd Ave. Bldg. Seattle, Wash. R. G. Walker, Gen. Mgr. P. O. Box 68 Wilkeson, Wash. Current production at Wilkeson quarry	Building stone, split face ashlar (sandstone)	PIERCE COUNTY At Wilkeson Sec. 27, (19-6E)
WASHINGTON NATURAL PRODUCTS CO.		
E. A. Note, Pres. 11330 Sand Point Way Seattle 55, Wash. Processing plant at Riverside. Intermittent production at Booher pit	Marl	OKANOGAN COUNTY Riverside area Sec. 3, (35-26E)
WENATCHEE BRICK & TILE CO.		
R. M. Bird, Pres. Box 265, Wenatchee, Wash. Current production	Brick	CHELAN COUNTY At Wenatchee 9th and Pierre Sts.

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
WESTERN LIME CO. John Koetje, owner 621 W. Division Mount Vernon, Wash. 80-ton plant at intersection of Highway 99 and Bryant-Stanwood Rd. Current production	Limestone	SNOHOMISH COUNTY Arlington area NW $\frac{1}{4}$ sec. 7, (32-6E)
WILDE CO. Geo. H. Wilde, Jr. 6113 N.E. 63rd St. Vancouver, Wash. Current production	Molding sand, brick	CLARK COUNTY NE. of Vancouver SE $\frac{1}{4}$ sec. 7, (2-2E)

SAND AND GRAVEL OPERATIONS

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
ACE CONCRETE CO. James H. Hunter, Pres. N. 302 Park Rd. (P. O. Box 27) Spokane 10, Wash. Current production	Sand, gravel, crushed gravel	SPOKANE COUNTY Pit at same address
ACE PAVING CO. Vernon Clauson and S. O. Christopherson 1309 Bertha Bremerton, Wash. Current production	Gravel, crushed rock	KITSAP COUNTY Bremerton area SE $\frac{1}{4}$ sec. 16, (24-1E)
AL RATHBUN GRAVEL & EXCAVATING Box 657, Newport, Wash. Current production	Sand, gravel	PEND OREILLE COUNTY Newport area Sec. 3, (31-45E)
ARLINGTON SAND & GRAVEL CO. V. M. Lee, Pres. James Lee, Secy.-Treas. Olympic Ave. Arlington, Wash. Current production	Sand, gravel, crushed rock, crusher dust	SNOHOMISH COUNTY Near Arlington Sec. 2, (31-5E)
ASSOCIATED SAND & GRAVEL CO. Howard F. Sievers and Geo. P. Duecy 6300 Glenwood Everett, Wash. Current production at: Butler pit Pope & Talbot pit	Sand, gravel, crushed gravel	SKAGIT COUNTY Burlington area Secs. 8, 9, (35-4E) SNOHOMISH COUNTY Everett area E $\frac{1}{2}$ sec. 1, (28-4E)
B-D SAND & GRAVEL CO. Earl E. Woodruff, owner 3601 N.W. Lower River Road Vancouver, Wash. Current production	Sand	CLARK COUNTY On W. River road SE $\frac{1}{4}$ sec. 20, (2-1E)
BAR SAND & GRAVEL Frank Janicki and Walter A. Young Rt. 3, Sedro Woolley, Wash. Limited production	Gravel	SKAGIT COUNTY Sedro Woolley area Sec. 25, (35-4E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
BASIN ROCK CO. A. B. Julian and Bill Hajaltalin, owners Box 1574 Moses Lake, Wash. Current production	Crushed rock	GRANT COUNTY Larson Field area
BEAVERS, C. H. Box 926 Monroe, Wash. Current production at Monroe pit	Sand, gravel	SNOHOMISH COUNTY Sec. 36, (28-6E)
BERLIN, EDDIE Star Route Toledo, Wash. Limited production	Pit gravel	LEWIS COUNTY Toledo area SE $\frac{1}{4}$ sec. 8, (11-1W)
BLACK RIVER QUARRY, INC. Joseph Romano, Pres. 6808 S. 140th St. Seattle 88, Wash. Current production (See also: Black River Quarry, Inc. under Nonmetallic Mining Operations.)	Crushed rock	KING COUNTY 6808 S. 140th St. Seattle Sec. 14, (23-4E)
BLACKIE'S GRAVEL E. L. Blankenship R.F.D. 1 Rochester, Wash. Limited production	Pit sand, gravel	THURSTON COUNTY Sargent Road
BLAKE SAND AND GRAVEL Charles E. Blake Rt. 2 Sequim, Wash. Current production	Sand, gravel	CLALLAM COUNTY Sequim area Sec. 3, (30-4W) Sec. 34, (31-4W)
BOEHMER, T. M. P. O. Box 123 Darrington, Wash. Current production	Sand, gravel	SNOHOMISH COUNTY Darrington area SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 23, (32-9E)
BORST SAND & GRAVEL Paul H. Borst, owner Coulee City, Wash. Current production	Sand, gravel, crushed gravel	GRANT COUNTY Coulee City area S $\frac{1}{2}$ sec. 17, (25-29E)
BRIDGEPORT SAND & GRAVEL Russell L. Campbell P. O. Box 17913 Bridgeport, Wash. Current production	Sand, gravel, crushed gravel	CHELAN COUNTY Entiat area Sec. 8, (25-21E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
BUILDER'S SAND AND GRAVEL CO. Wathne Bros. 18407 Beverly Park Rd. Edmonds, Wash. Current production	Sand, gravel	SNOHOMISH COUNTY Pit at same address
BUTLER BROTHERS Hugh and Fred Butler Rt. 1 Burlington, Wash. Current production	Sand, gravel	SKAGIT COUNTY Burlington area on Kelleher Road NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, (35-4E)
CADMAN GRAVEL CO. T. W. Magnussen, Pres. Helen Q. Magnussen, Secy. Redmond, Wash. Current production	Sand, gravel, crushed rock	KING COUNTY Redmond area SW $\frac{1}{4}$ sec. 6, (25-6E)
CAMAS SAND & GRAVEL CO. Max Schmid, owner 1007 4th St. Camas, Wash. Limited production	Pit gravel	CLARK COUNTY Washougal area NW $\frac{1}{4}$ sec. 24, (1-4E)
CAMPBELL, GEO. L. Box 6 Forks, Wash. Current production	Sand, gravel, crushed gravel	CLALLAM COUNTY Forks area Sec. 9, (28-13W)
CANYON GRAVEL & SUPPLY Norman Hague, operator 5111 E. 72nd Puyallup, Wash. Current production	Sand, gravel	PIERCE COUNTY SE. Tacoma area SE $\frac{1}{4}$ sec. 24, (20-3E)
CARL CARBON, INC. N. 3430 Cook St. Spokane, Wash. Current production (See also: Carl Carbon, Inc. under Nonmetallic Mining Operations.)	Crushed basalt	SPOKANE COUNTY Spokane area NE. corner of Geiger Field
CASCADE HAULING CO. Walter and Pete Norquist 918 "K" St. Centralia, Wash. Current production	Pit gravel	LEWIS COUNTY Waunch Prairie near Centralia
CASTLE ROCK SAND & GRAVEL CO. Orval Howard 7272 Old Pacific Hwy. N. Castle Rock, Wash. Limited production	Gravel	COWLITZ COUNTY Castle Rock area Sec. 2, (9-2W)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
CHAUFTY, V. 2035 Pine St. Longview, Wash. Current production	Crushed rock, pit run	COWLITZ COUNTY Coal Creek area SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 15, (8-3W)
CHELAN CONCRETE CO. Ole Sandum Box 1571 Chelan, Wash. Current production	Sand, gravel	CHELAN COUNTY Chelan area SW $\frac{1}{4}$ sec. 12, (27-22E)
COLUMBIA CONCRETE PIPE CO. A. B. Metcalf, Pres. J. R. Sherman, Vice Pres. Foot of 9th St. Box 427 Wenatchee, Wash. Current production at:	Sand, gravel, crushed rock	
Columbia pit		CHELAN COUNTY NW $\frac{1}{4}$ sec. 22, (23-20E)
Okanogan pit		OKANOGAN COUNTY SE $\frac{1}{4}$ sec. 4, (34-26E)
COLUMBIA SAND & GRAVEL INC. Frayne L. McAtee, Pres. M. E. Nelson, V.P.-Mgr. Box 1566 Moses Lake, Wash. Current production	Sand, gravel, crushed rock	GRANT COUNTY Moses Lake area Sec. 5, (19-28E)
COLVILLE VALLEY CONCRETE CO. James R. Dietz, owner 683 N. Walnut (P. O. Box 343) Colville, Wash. Current production at:	Sand, gravel	
Chewelah pit		STEVENS COUNTY Chewelah area Sec. 7, (32-41E)
Colville pit		SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 10, (35-39E)
CONNELL SAND & GRAVEL INC. Andrew and Frank Biorn Box 156, Connell, Wash. Current production	Sand, gravel	FRANKLIN COUNTY Sulphur area (Block 19) SE $\frac{1}{4}$ sec. 6, (13-33E)
CORLISS, TIM & SON (See Tim Corliss & Son.)		

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
*COUNTY PITS AND QUARRIES Current production	Sand, gravel, crushed rock	Various locations throughout the state
COWDEN GRAVEL CO. Leonard Cowden, owner 2536 Goshen Road Bellingham, Wash. Current production	Sand, gravel, crushed gravel	WHATCOM COUNTY Cedarville area Sec. 28, (39-4E)
CROWE CRUSHING CO. Joe Crowe P. O. Box 335 White Salmon, Wash. Current production	Crushed rock	SKAMANIA COUNTY Wind River area Sec. 19, (6-7E)
CRYSTAL POOL SAND & GRAVEL E. W. Swet 3802 Allen St. Rd. Kelso, Wash. Current production	Sand, gravel, crushed gravel	COWLITZ COUNTY NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 31, (8-1W)
CUNNINGHAM SAND AND GRAVEL CO., INC. John P., Jr. and Olive Cunningham, owners N. 6315 Cedar St. Spokane 16, Wash. Current production at:		
Cedar Street pit	Sand	SPOKANE COUNTY N. 6315 Cedar St. Spokane
Crestline pit	Sand	N. 8500 Crestline St. Spokane
Gravel pit	Gravel	8th Ave. and Carnahan St. Spokane
DAVIS, WILLIAM E. Box 187 Castle Rock, Wash. Limited production	Sand, gravel	COWLITZ COUNTY Castle Rock area Cowlitz River
DeATLEY PAVING & CRUSHING INC. A. E. DeAtley, Pres. 1809 Summit View Yakima, Wash. Current production	Sand, gravel, crushed gravel	YAKIMA COUNTY Ext. N. 16th Ave. Yakima
DEE NICKOLS & SONS Route 1, Soap Lake, Wash. Current production	Sand, gravel, crushed rock	GRANT COUNTY Soap Lake area SW $\frac{1}{4}$ sec. 26, (22-26E)
	Sand	SE $\frac{1}{4}$ sec. 23, (22-26E)

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

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
DOUG PULLAR SAND & GRAVEL Doug Pullar, owner 1810 Axton Rd. Bellingham, Wash. Current production at Axton pit	Sand, gravel, crushed gravel	WHATCOM COUNTY Laurel area SW $\frac{1}{4}$ sec. 20, (39-3E)
S. H. EDINGER GRAVEL CO. S. H. Edinger, owner P. O. Box 283 Kenmore, Wash. Current production	Sand, gravel, crushed gravel	SNOHOMISH COUNTY Kenmore area SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 35, (27-4E)
ELLENSBURG CEMENT PRODUCTS INC. Ivan Hutchinson, Pres. P. O. Box 27 W. 7th, Ellensburg, Wash. Current production	Sand, gravel, crushed gravel	KITTITAS COUNTY Ellensburg area NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 33, (18-18E)
ELMER E. OLSON, INC. Elmer E. Olson, Pres. 326 1st Ave. S.W. (Box 905) Ephrata, Wash. Current production at:		
Gravel pit	Gravel	GRANT COUNTY Ephrata area NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 22, (21-26E)
Sand pit	Sand	Soap Lake area SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, (22-26E)
FOLEY SAND & GRAVEL E. W. Foley, owner P. O. Box 187 Colfax, Wash. Current production	Sand, gravel, crushed rock	WHITMAN COUNTY Colfax area Center sec. 10, (16-43E)
GENERAL CONSTRUCTION CO. A. B. McEachern, Pres. 3840 Iowa Ave. (P. O. Box 3845) Seattle 24, Wash. Current production at Mats Mats Bay quarry. (See also: General Construction Co. under Nonmetallic Mining Operations.)	Crushed rock	JEFFERSON COUNTY Port Ludlow area Lots 5, 6, 7, 8, sec. 33, (29-1E)
GLACIER SAND & GRAVEL CO. W. A. Marsh, Pres. W. P. Jackson, Gen. Mgr.- Vice Pres. 5975 E. Marginal Way Seattle 4, Wash. Current production	Sand, gravel, crushed rock	PIERCE COUNTY Steilacoom area Secs. 20, 29, (20-2E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
GOODMAN, KERMIT 614 E. Lopez Port Angeles, Wash. Current production	Sand, gravel, crushed rock	CLALLAM COUNTY Morse Creek area NW $\frac{1}{4}$ sec. 8, (30-5W)
GORST READY-MIX CONCRETE CO., INC. Frank M. Schantz, Pres. P. O. Box 807 Port Orchard, Wash. Current production	Sand, gravel	MASON COUNTY Belfair area S $\frac{1}{2}$ sec. 30, (23-1W)
GRAHAM & MORRIS CONSTRUCTION CO. Box 209 Toppenish, Wash. Current production	Sand, gravel, crushed rock	YAKIMA COUNTY Sec. 32, (11-20E)
GRAYSTONE OF SHELTON W. B. Judah, Jr., Mgr. S. 7th and Park Sts. Shelton, Wash. Current production	Sand, gravel,	MASON COUNTY Shelton area Secs. 13, 24, (20-4W)
Wynoochee pit	Sand, gravel crushed gravel	Montesano area NW $\frac{1}{4}$ sec. 2, (17-8W)
HAGARA, MICHAEL R.F.D. 19 Aberdeen, Wash. Current production	Sand, gravel	GRAYS HARBOR COUNTY Aberdeen area SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16, (17-9W)
HAMMOND, A. W. South Bend, Wash. Intermittent production at:		
Hoquiam pit	Sand	GRAYS HARBOR COUNTY NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 7, (17-9W)
HANSEN, FORREST R.F.D. 3 Port Angeles, Wash. Current production	Sand, gravel	CLALLAM COUNTY Morse Creek area NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, (30-5W)
THE HARRISON BROTHERS CO. J. A. Harrison, Pres. 225 Wakefield Dr. Tacoma 2, Wash. Current production at Phillips pit	Sand, gravel, crushed rock	PIERCE COUNTY Lakeview area NE $\frac{1}{4}$ sec. 1, (19-2E)
HILDE, LEROY E., SAND & GRAVEL (See LeRoy E. Hilde Sand & Gravel.)		

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
HILLTOP CONCRETE CO. Charles Klinker, Pres. Ed Berg, Secy. Gene Brown, Treas. 2223 23d Ave. S. E. (P. O. Box 648) Puyallup, Wash. Current production	Sand, gravel, crushed gravel	PIERCE COUNTY Puyallup area Center SW $\frac{1}{4}$ sec. 35, (20-4E)
HOLMES BROTHERS Frank L. and Richard P. Holmes W. 1126 Broadway (Box 1583) Moses Lake, Wash. Current production at:		
Gravel pit	Sand, gravel, crushed rock	GRANT COUNTY Moses Lake area NW $\frac{1}{4}$ sec. 11, (19-28E)
Sand pit	Sand	Moses Lake area SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 25, (19-28E)
HOLROYD CO. J. A. Holroyd, Pres. 5047 S. Washington St. Tacoma 9, Wash. Current production at:		
Tacoma pit	Sand, gravel, crushed gravel	PIERCE COUNTY Pit at 74th and Orchard Grove, South Tacoma
Nisqually pit	Sand, gravel	THURSTON COUNTY Nisqually area SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 17, (18-1E)
HOSCO, INC. John Sievers, Pres. P. O. Box 645 Everett, Wash. Current production	Pit gravel, crushed gravel	SNOHOMISH COUNTY Paine Field area N $\frac{1}{2}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, (28-4E)
HUNSAKER SAND & GRAVEL Frank and George Hunsaker Route 4, Box 66 White Salmon, Wash. Current production	Sand, gravel, crushed gravel	KLICKITAT COUNTY Bingen area Sec. 29, (3-11E)
INLAND ASPHALT CO. Geo. E. Swannack, Jr., Pres. P. O. Box 4116, Sta. B 10th Ave. and Havana St. Spokane 31, Wash. Current production	Crushed rock	SPOKANE COUNTY Quarry at same address

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
ISLAND SAND AND GRAVEL CO. C and Maple Sts. Bellingham, Wash. Current production	Sand, gravel	SAN JUAN COUNTY Friday Harbor area E $\frac{1}{2}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, (35-3W)
ISSAQUAH SAND & GRAVEL Harold Jordan, Pres. P. O. Box 577 Issaquah, Wash. Current production	Sand, gravel, crushed rock	KING COUNTY Issaquah area SE $\frac{1}{4}$ sec. 21, (24-6E)
JIM LOWRY SAND & GRAVEL Jim Lowry, owner Box 241 Dayton, Wash. Current production	Crushed rock	COLUMBIA COUNTY Near Dayton Sec. 25, (10-38E)
JOHN'S CREEK SAND & GRAVEL CO. Norman Anderson, lessee 215 E. Harvard St. (Box 313) Shelton, Wash. Current production	Sand, gravel	MASON COUNTY Johns River area Sec. 3, (20-3W)
JONES-SCOTT COMPANY, INC. F. L. Jones, Pres. Louis Pifer, Secy.-Treas. 10 N. Third St. (P. O. Box 385) Walla Walla, Wash. Current production at:		
Attalia pit	Sand	WALLA WALLA COUNTY Attalia area Sec. 10, (7-31E)
Walla Walla pit	Sand, gravel	13th and Cherry Walla Walla SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 19, (7-36E)
KAMILCHE WOOD & GRAVEL Oliver Petty R.F.D. 1 Shelton, Wash. Limited production	Pit gravel	MASON COUNTY Shelton area NW $\frac{1}{4}$ sec. 17, (19-3W)
KAMPE SAND & GRAVEL CO. N. A. Kampe, owner 1501 W. 8th St. Vancouver, Wash. Current production	Sand	CLARK COUNTY On W. River Road NE $\frac{1}{4}$ sec. 19, (2-1E)
KANE BROS. CONCRETE PRODUCTS, INC. A. E. Kane, Pres. P. O. Box 1296 Wenatchee, Wash. Current production	Sand, gravel	CHELAN COUNTY Cashmere area SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 6, (23-19E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
KELLER SAND & GRAVEL C. E. Keller, owner Rt. 2, Grandview, Wash. Current production	Sand, gravel, crushed rock	YAKIMA COUNTY NE $\frac{1}{4}$ sec. 35, (9-23E)
F. B. KERBY & SONS SAND & GRAVEL Rt. 2, Box 222 Toppenish, Wash. Current production	Sand, gravel	YAKIMA COUNTY NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 35, (11-20E)
KINGSBURY'S RED-E-MIX Ralph H. Kingsbury, owner Rt. 2, Box 360-C Port Orchard, Wash. Current production	Sand, gravel, crushed gravel	KITSAP COUNTY Horseshoe Lake area NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, (22-1E)
KIRKLAND SAND & GRAVEL CO. Lyle Stubenrauch and P. O. Smith, owners Box 714 Kirkland, Wash. Current production	Sand, gravel	KING COUNTY At Kirkland NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, (26-5E)
KLINELINE SAND & GRAVEL CO. L. N. Berry, Mgr. 1112 N.E. Hazel Dell St. Vancouver, Wash. Current production	Sand, gravel, crushed gravel	CLARK COUNTY Salmon Creek area SW $\frac{1}{4}$ sec. 26, (3-1E)
KLINKER SAND & GRAVEL CO. J. C. Klinker, Pres. Charles R. Hartman, Secy.-Treas. 6560 W. Marginal Way Seattle 6, Wash. Current production	Sand, gravel, crushed gravel	KING COUNTY Maury Island SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 22, (22-3E)
KRIEBEL, LEONARD Rock Crusher Garfield, Wash. Current production	Crushed basalt	WHITMAN COUNTY Palouse area
KUHNS, HARVEY Long Beach, Wash. Current production	Sand	PACIFIC COUNTY Long Beach area Ocean beaches
LAKE CITY GRAVEL & MATERIALS, INC. Frank G. Upjohn, Pres. Richard E. Martin, Secy.-Treas. 3215 E. 123rd Seattle 55, Wash. Current production	Gravel, crushed gravel	SNOHOMISH COUNTY Kenmore area Sec. 26, (27-4E)
LAKESIDE GRAVEL CO., INC. R. R. Lee, Pres. 13620 Sunset Hwy. Bellevue, Wash. Current production at Issaquah pit	Sand, gravel, crushed gravel	KING COUNTY Issaquah area NW $\frac{1}{4}$ sec. 27, (24-5E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
LANNING, OLIVER Rt. 2, Box 722-A Poulsbo, Wash. Current production	Sand, gravel, crushed gravel	KITSAP COUNTY Lofall area SE $\frac{1}{4}$ sec. 27, (27-1E)
LEE C. SWARTZ CONCRETE PRODUCTS Lee C. Swartz, owner 35 Swartz Rd. Ephrata, Wash. Limited production (See also: Lee C. Swartz Concrete Products under Nonmetallic Mining Operations.)	Sand, gravel	GRANT COUNTY Ephrata area SW $\frac{1}{4}$ sec. 15, (21-26E)
LEROY E. HILDE SAND & GRAVEL Rt. 1, Box 326 Sedro Woolley, Wash. Current production from various pits	Sand, gravel	SKAGIT COUNTY Burlington and Sedro Woolley areas
LEVANEN & KARVONEN Rt. 1 Brush Prairie, Wash. Current production	Pit gravel	CLARK COUNTY Vancouver area NW $\frac{1}{4}$ sec. 11, (2-1E)
LEVOLD, ERNEST 627 Grandview Ave. Sunnyside, Wash. Current production	Crushed rock	YAKIMA COUNTY Sulphur Creek area NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 17, (10-23E)
LEWIS RIVER SAND & GRAVEL A. E. Maynard and son, owners 3049 Lewis River Rd. Woodland, Wash. Current production	Sand, gravel, crushed gravel	COWLITZ COUNTY Woodland area N $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 10, (5-1E)
LIND GRAVEL CO. Russell E. Lind, owner 1530 State St. Bellingham 11, Wash. Current production at Squalicum pit	Sand, gravel, crushed gravel	WHATCOM COUNTY At Bellingham Foot of West St. Sec. 24, (38-2E)
LOSEY, REX R. 1718 Mount Brinyon Rd. Kelso, Wash. Limited production	Sand, gravel, crushed gravel	COWLITZ COUNTY On Mount Brinyon Rd. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, (8-2W)
LOWRY, JIM, SAND & GRAVEL (See Jim Lowry Sand & Gravel)		
MARINE ASPHALT CO., INC. Harold F. Sherman, Pres. 1306 29th St. Anacortes, Wash. Current production	Sand, gravel, crushed rock	SKAGIT COUNTY Anacortes area Sec. 24, (35-1E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
MATERNE, JACK O. E. 3003 Joseph Ave. Spokane, Wash. Current production	Sand	SPOKANE COUNTY Mead area NW $\frac{1}{4}$ sec. 22, (26-43E)
	Sand	Mead township
MATERNE SAND CO. Al. and Val. Materne, owners W. 330 Buckeye Ave. Spokane 17, Wash. Current production	Sand	SPOKANE COUNTY Pit at Cedar and Francis Sts., Spokane
MATHESON SAND & GRAVEL CO. Harold W. Matheson, owner Box 167 Pasco, Wash. Current production	Sand, gravel	BENTON COUNTY Near Kennewick Sec. 6, (8-30E)
MILES CO. Walter F. Miles, owner P. O. Box 30 12th and "M" St. S.E. Auburn, Wash. Current production	Sand, gravel, crushed rock	KING COUNTY Auburn area SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19, (21-5E)
	Sand, gravel, crushed rock	NW $\frac{1}{4}$ sec. 29, (21-5E)
MILLER SAND & GRAVEL Eldon L. Miller, owner Rt. 2 Mount Vernon, Wash. Current production	Pit gravel	SKAGIT COUNTY Mount Vernon area N $\frac{1}{2}$ sec. 34, (34-4E)
MORRISON GRAVEL CO. W. W. and Donald L. Morrison, owners Route 6, Box 209 Port Orchard, Wash. Current production	Sand, gravel	KITSAP COUNTY S. of Port Orchard E $\frac{1}{2}$ sec. 23, (23-1E)
MT. SOLO ROCK CO. Roy A. Parsons, E. J. Hackett, and Jack Converse, Jr. 1333 14th Ave. Longview, Wash. Limited production (See also: Mt. Solo Rock Co. under Nonmetallic Mining Operations.)	Crushed rock	COWLITZ COUNTY Longview area Secs. 24, 25, (8-3W)
MOUNT VERNON SAND & GRAVEL CO., INC. A. R. Kinney, Mgr. 801 N. First St. Mount Vernon, Wash. Current production at:		

(continued on following page)

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Rooks pit	Sand, gravel	ISLAND COUNTY Oak Harbor area SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 24, (33-1E)
Samish pit	Sand, gravel, crushed gravel	SKAGIT COUNTY Belfast area SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 6, (35-4E)
MULKA GRAVEL CO. Victor R. Mulka 805 12th St. Bellingham, Wash. Current production at Bakerview pit	Sand, gravel	WHATCOM COUNTY Bellingham area SE $\frac{1}{4}$ sec. 8, (38-3E)
MUTUAL MATERIALS CO. E. R. Coats, Pres. 1200 8th Ave. S. Seattle 4, Wash. Current production (See also: Mutual Materials Co. under Nonmetallic Mining Operations.)	Sand	KING COUNTY South Park area SE $\frac{1}{4}$ sec. 31, (24-4E)
NASELLE ROCK COMPANY Martin S. Wirkkala, owner Naselle, Wash. Current production	Crushed rock	PACIFIC COUNTY Near Naselle Center W $\frac{1}{2}$ sec. 3, (10-9W)
NICKOLS, DEE, & SONS (See Dee Nickols & Sons.)		
NORDLUND READY-MIX Robert Nordlund 325 Kincaid Mount Vemon, Wash. Current production	Sand, gravel	SKAGIT COUNTY Bow area Center sec. 21, (35-3E)
NORTH KITSAP GRAVEL & ASPHALT CO. Oliver Lanning, Pres. Route 2, Box 305 Poulsbo, Wash. Current production	Sand, gravel, crushed rock	KITSAP COUNTY Poulsbo area Sec. 9, (26-1E)
NORTHLAKE SAND & GRAVEL CO. Gordon F. Wheeler P. O. Box 31 Kenmore, Wash. Current production	Sand, gravel	KING COUNTY Kenmore area At 68th N.E. and N.E. 183rd, Seattle SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 1, (26-5E)
O & K TRUCKING CO. Phillip Olithant and Clifford Kyllonen R.F. D. 10 Olympia, Wash. Limited production	Gravel	THURSTON COUNTY Olympia area SE $\frac{1}{4}$ sec. 6, (18-1W)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
OLIVER BUILDING AND GRAVEL Harold Oliver, owner Prescott, Wash. Current production	Gravel, crushed gravel	WALLA WALLA COUNTY Walla Walla area NE $\frac{1}{4}$ sec. 13, (7-36E)
OLSON, ELMER E., INC. (See Elmer E. Olson, Inc.)		
OLYMPIA OIL & WOOD PRODUCTS CO. W. J. Mell, Pres. State & Washington Sts. Olympia, Wash. Current production	Crushed gravel	THURSTON COUNTY W. Olympia area SE $\frac{1}{4}$ sec. 16, (18-2W)
OTHELLO PREMIX Mel Cyr, Mgr. Box 895, Othello, Wash. Current production	Sand, gravel, crushed gravel	ADAMS COUNTY Halfmoon Lake area NW $\frac{1}{4}$ sec. 7, (16-29E)
OTTO & ROSS GRAVEL CO., INC. G. E. Ross 313 State St. Marysville, Wash. Current production at Munson pit	Sand, gravel, crushed gravel	SNOHOMISH COUNTY Marysville area S $\frac{1}{2}$ sec. 11, (30-5E)
PACIFIC BUILDING MATERIALS CO. 3510 S.W. Bond St. Portland, Oreg. Local address: 101 E. 1st St. Vancouver, Wash. Melvin Erland, Gen. Mgr. Current production from dredge on Columbia River	Sand, gravel, crushed gravel	CLARK COUNTY Vancouver area
PACIFIC NORTHWEST AGGREGATES, INC. P. O. Box 762 The Dalles, Oreg. O. C. Redwine, Pres. 7321 S.E. King Road Portland, Oreg. Current production	Sand, gravel	Klickitat County The Dalles area Sec. 14, (2-13E)
PACIFIC SAND & GRAVEL CO. R. P. Coluccio, Pres. Box 628, Centralia, Wash. Current production at Blakeslee Junction pit	Sand, gravel, crushed rock	LEWIS COUNTY S $\frac{1}{2}$ sec. 31, (15-2W)
PIONEER SAND & GRAVEL CO. Gordon N. Scott, Pres. 901 Fairview Ave. N. (P. O. Box 1020) Seattle 11, Wash. George D. Christensen, Gen. Supt. P. O. Box 158 South Tacoma 9, Wash. Current production	Sand, gravel, crushed gravel	PIERCE COUNTY Steilacoom area Secs. 20, 29, (20-2E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
POWERS EXCAVATION CO. James Powers 3200 N. E. 62nd Ave. Vancouver, Wash. Limited production	Pit gravel	CLARK COUNTY Orchards area
PRE-MIX CONCRETE, INC. Charles Noyes, Mgr. Box 695 Kennewick, Wash. Current production	Sand, gravel, crushed rock	FRANKLIN COUNTY Richland area
PUGET SOUND BRIDGE & DRYDOCK CO. J. G. McCurdy, Pres.- Gen. Mgr. 2929 16th Ave. S.W. Seattle, Wash. Harry L. DuBois, Mgr., Quarry Div. 12020 E. Marginal Way Seattle 88, Wash. Current production at Riverton quarry (See also: Puget Sound Bridge & Drydock Co. under Nonmetallic Mining Operations.)	Crushed rock	KING COUNTY Riverton area Lot 7, Riverside Interurban tract Sec. 9, (23-4E)
PULLAR, DOUG, SAND & GRAVEL (See Doug Pullar Sand & Gravel.)		
QUIGG BROS-McDONALD, INC. Charles O. Quigg, Mgr. 1500 Riverside Ave. Hoquiam, Wash. Current production at:		
Montesano pit	Sand, gravel, crushed gravel	GRAYS HARBOR COUNTY Melbourne area Sec. 18, (17-7W) Sec. 13, (17-8W)
Intermittent production at:		
Newskah quarry	Riprap	Newskah area W $\frac{1}{2}$ sec. 2, (16-9W)
RATHBUN, AL, GRAVEL & EXCAVATING (See Al Rathbun Gravel & Excavating.)		
RICH SAND & GRAVEL Arthur P. and Roy L. Rich Box 52 Rock Island, Wash. Current production	Sand, gravel, crushed rock	DOUGLAS COUNTY Rock Island area Sec. 20, (22-21E)
ROBB, ROY Rt. 5 Arlington, Wash. Current production	Crushed pit gravel	SNOHOMISH COUNTY Arlington area S $\frac{1}{2}$ sec. 11, (31-5E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
ROCK PRODUCTS, INC. E. C. Tidland, Pres. Leighton Blake, Mgr. Box 845, Camas, Wash. Plant at 1635 S.E. 6th Ave. Camas, Wash. Current production	Sand, gravel, crushed gravel	CLARK COUNTY Oakpark area (Camas) Sec. 12, (1-3E)
SAMPSON SAND & GRAVEL Box 526 Othello, Wash. Current production	Sand, gravel	GRANT COUNTY O'Sullivan Dam area Sec. 31, (18-29E)
SANGER'S SAND & GRAVEL Porter Sanger Rt. 1 Leavenworth, Wash. Limited production	Pit sand, gravel	CHELAN COUNTY Leavenworth area SW $\frac{1}{4}$ sec. 12, (24-17E)
SCHRIER, R. D. Twisp, Wash. Current production	Sand, gravel, crushed rock	OKANOGAN COUNTY Twisp area NE $\frac{1}{4}$ sec. 7, (33-22E)
	Sand, gravel, crushed rock	Center SE $\frac{1}{4}$ sec. 17, (33-22E)
SCOTTY'S SAND AND GRAVEL Warren S. Pryor Star Rt. Coulee Dam, Wash. Limited production	Pit gravel	OKANOGAN COUNTY Elmer City area Secs. 11, 15, (28-30E)
SCRUPPS, J. E. Box 351 Odessa, Wash. Current production at:		
Gravel pit	Gravel	LINCOLN COUNTY Odessa area NE $\frac{1}{4}$ sec. 5, (21-33E)
Sand pit	Sand	East of Odessa NW $\frac{1}{4}$ sec. 14, (21-33E)
SJOBOEN BROS. B. T. Sjoboen E. O. Sjoboen 3205 Hoadly Road Olympia, Wash. Limited production	Sand, gravel	THURSTON COUNTY Deschutes River pit NE $\frac{1}{4}$ sec. 11, (17-2W)
SKAGIT SAND & GRAVEL Mailand Frank and Harvey Prutzman Rt. 3, Box 96 Mount Vernon, Wash. Current production at Riverside pit	Sand	SKAGIT COUNTY Near Mount Vernon

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
SMITH BROS. Leslie and Calvin Smith P. O. Box 92 Battle Ground, Wash. Current production	Sand, gravel, crushed gravel	CLARK COUNTY Battle Ground area SW $\frac{1}{4}$ sec. 10, (2-2E)
SMITHROCK QUARRY, INC. Howard F. Smith, Pres.- Gen. Mgr. 3801 Fourth Plain Ave. (P. O. Box 96) Vancouver, Wash. Current production (See also: Smithrock Quarry, Inc. under Nonmetallic Mining Operations.)	Crushed rock	CLARK COUNTY Near Fisher Sec. 7, (1-3E)
SNELL, AL R. 1107 North "E" St. Aberdeen, Wash. Current production at:		
Junction City pit	Sand, gravel	GRAYS HARBOR COUNTY Junction City area S $\frac{1}{2}$ sec. 11, (17-9W)
Gravel pit	Pit gravel	Montesano area Sec. 2, (17-8W)
SNOHOMISH SAND & GRAVEL Arthur F., Jack E., and Donald A. Stobb 4th and Cypress Sts. Snohomish, Wash. Current production	Sand, gravel	SNOHOMISH COUNTY Pit at same address
SORENSEN GRAVEL CO. Nels Sorenson Box 455 Toledo, Wash. Current production	Crushed gravel	LEWIS COUNTY Toledo area W $\frac{1}{2}$ SW $\frac{1}{4}$ sec. 17, (11-1W)
SPOKANE SAND & GRAVEL CO. Donald Herag, Mgr. E. 700 Trent Ave. Spokane 2, Wash. Current production		SPOKANE COUNTY
	Sand, gravel	Irvin
	Sand	Tram Hill E. Spokane
	Sand	Francis and, Monroe Sts. Spokane

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
STERGION CONCRETE PRODUCTS Chris Stergion, owner 901 Stevenson Enumclaw, Wash. Current production	Sand, gravel	KING COUNTY Enumclaw area East end S.E. 440th St.
STONEWAY SAND & GRAVEL CO. L. J. Dowell, owner Box 509 Renton, Wash. Current production	Sand, gravel, crushed rock	KING COUNTY Renton pit E $\frac{1}{2}$ sec. 17, (23-5E)
SUMAS FUEL & TRANSFER CO. Stephen R. Koehler P. O. Box 178 Sumas, Wash. Current production	Gravel	WHATCOM COUNTY Sumas area NW $\frac{1}{4}$ sec. 21, (40-4E) NE $\frac{1}{4}$ sec. 34, (41-4E)
SUTTER'S GRAVEL Louis Sutter R. F. D. 1, Box 4491 Issaquah, Wash. Intermittent production	Pit gravel	KING COUNTY Issaquah area SE $\frac{1}{4}$ sec. 21, (24-6E)
SWARTZ, LEE C., CONCRETE PRODUCTS (See Lee C. Swartz Concrete Products.)		
TEEL BROS. CONTRACTORS Carl Teel 1235 Brentwood Drive Bremerton, Wash. Current production at: Bremerton pit Kitsap Lake pit (See also: Teel Bros. Contractors under Nonmetallic Mining Operations.)	Gravel	KITSAP COUNTY Bremerton area SE $\frac{1}{4}$ sec. 16, (24-1E) Kitsap Lake area SE $\frac{1}{4}$ sec. 17, (24-1E)
THOMPSON, STANLEY Box 62 Goldendale, Wash. Current production	Crushed rock	KLICKITAT COUNTY Goldendale area SE $\frac{1}{4}$ sec. 16, (4-16E)
THORNTON SAND & GRAVEL Charles C. Thornton Bridgeport, Wash. Current production	Sand, gravel, crushed gravel	OKANOGAN COUNTY Brewster area NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 23, (30-24E)
TIM CORLISS & SON Rt. 1 (P. O. Box 485) Sumner, Wash. Current production	Sand, gravel, crushed rock	PIERCE COUNTY Sumner area SW $\frac{1}{2}$ SW $\frac{1}{4}$ sec. 20, (20-5E)
	Sand, gravel, crushed rock	Puyallup area SW $\frac{1}{4}$ sec. 16, (20-4E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
TOBIN SAND & GRAVEL Francis J. Tobin, owner 3201 Lincoln Ave. Yakima, Wash. Current production	Sand, gravel, crushed rock	YAKIMA COUNTY Parker area E $\frac{1}{2}$ sec. 20, (12-19E)
TOUGAW & OLSON E. R. Olson, Pres. S. O. Tougaw, Secy. Robert Olson, Treas. 1501 Wells St. (Box 17) Enumclaw, Wash. Current production	Sand, gravel	KING COUNTY Enumclaw area SW $\frac{1}{4}$ sec. 20, (20-7E)
TRI CITY SAND & GRAVEL, INC. Jack Martin Rt. 1, Box 1387 Everett, Wash. Current production	Sand, gravel, crushed gravel	SNOHOMISH COUNTY Sunnyside area SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 2, (29-5E)
TUMWATER CONCRETE PRODUCTS CO. Warren B. Christenson Box 186 Leavenworth, Wash. Current production	Sand, gravel, crushed rock	CHELAN COUNTY Leavenworth area NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12, (24-17E)
TWIN CITY PREMIX, INC. Don Ross, Pres. 1346 Chestnut Clarkston, Wash. Current production		ASOTIN COUNTY Clarkston area
	Sand	16th and Chestnut Clarkston
	Sand, gravel	Silcott
U. & W. CONSTRUCTION CO., INC. Ken Ulery, Mgr. W. 9th Olympia, Wash. Current production	Pit gravel	THURSTON COUNTY Tumwater area Mottman road
UNION SAND & GRAVEL CO., INC. John Murphy, Pres. N. 805 Division St. Spokane 2, Wash. Current production at:		
Fort George Wright (No. 1) pit	Sand, gravel	SPOKANE COUNTY On Government Way
Mead pit	Fine sand	One mile north of Hillyard
Yardley (No. 2) pit	Sand, gravel, crushed gravel	At Broadway and Havana

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
UNITED PAVING CO., INC. Charles Mills, Pres. Rt. 4, Box 150 Spokane, Wash. Current production at:		
Fairchild quarry	Crushed rock	SPOKANE COUNTY Fairchild area Sec. 25, (25-40E)
Geiger quarry	Crushed rock, gravel	Geiger Field area Sec. 31, (25-42E)
Whitlow Siding quarry	Crushed rock, gravel	WHITMAN COUNTY Pullman area NW $\frac{1}{4}$ sec. 9, (14-45E)
VALLEY CEMENT COMPANY E. J. Auve, Pres. P. O. Box 1602 Yakima, Wash. Current production	Sand, gravel, crushed gravel	YAKIMA COUNTY Yakima area Sec. 20, (13-19E) Pit at 2000 E. Beech
VALLEY READY-MIX CONCRETE CO. L. R. Drollinger and sons, owners P. O. Box 495 Sunnyside, Wash., or W. Main St. Grandview, Wash. Current production	Sand, gravel, crushed rock	YAKIMA COUNTY Sunnyside area Sec. 8, (9-22E)
VALLEY SAND AND GRAVEL, INC. Archie Mead, Pres. P. O. Box 281 Midway, Wash. Current production	Sand, gravel, crushed rock	KING COUNTY Auburn area NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 19, (21-5E)
VASHON SAND & GRAVEL CO. A. A. Schmidt Vashon Island, Wash. Current production	Sand, gravel	KING COUNTY Maury Island
VERBECK BROS., INC. Don Verbeck, Mgr. Tonasket, Wash. Current production at:		
Osoyoos Lake area	Sand, gravel	OKANOGAN COUNTY Sec. 10, (39-27E) NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, (40-27E)
Tonasket area	Sand, gravel	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 16, SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 17, (37-27E)
WASHINGTON STATE Department of Highways Current production	Sand, gravel, crushed rock	Various locations throughout the state

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
WESTERN SAND & GRAVEL CO. Paul Smith, owner P. O. Box 295 Maple Valley, Wash. Current production	Sand, gravel, crushed gravel	KING COUNTY Maple Valley area NE $\frac{1}{4}$ sec. 16, (22-6E)
WHATCOM BUILDERS SUPPLY CO. Thomas P. Nash, owner Rt. 2, Box 646 Lynden, Wash. Current production	Sand, gravel	WHATCOM COUNTY Lynden area SE $\frac{1}{4}$ sec. 22, (40-2E) NE $\frac{1}{4}$ sec. 36, (40-2E)
WHITNEY'S GRAVEL Darle L. Whitney, owner 570 S. 2nd Ave. Sequim, Wash. Current production	Gravel	CLALLAM COUNTY Sequim area SW $\frac{1}{4}$ sec. 8, (30-3W)
C. V. WILDER CO. 1840 State St. Bellingham, Wash. Current production at Axton pit	Sand, gravel, crushed rock	WHATCOM COUNTY Laurel area SE $\frac{1}{4}$ sec. 19, SW $\frac{1}{4}$ sec. 20, (39-3E)
WINTERS, DALE Box 546 Elma, Wash. Intermittent production	Sand, gravel	GRAYS HARBOR COUNTY Elma area NW $\frac{1}{4}$ sec. 4, (17-6W)
WOODLAND SAND & GRAVEL, INC. Richard Norelius 854 CC St. Woodland, Wash. Current production	Sand, gravel, crushed gravel	COWLITZ COUNTY Woodland area N $\frac{1}{2}$ sec. 10, (5-1E)
YAKIMA CEMENT PRODUCTS CO. Richard Hews, Pres.-Gen. Mgr. 1202 S. First St. (P. O. Box 436) Yakima, Wash. Current production at:		
Grandview pit	Sand	YAKIMA COUNTY E $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 34, (9-23E)
Yakima pit	Sand, gravel, crushed gravel	S $\frac{1}{2}$ sec. 31, (14-19E) NW $\frac{1}{4}$ sec. 6, (13-19E)

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METALLIC PRODUCT INDEX

Abbreviations used:

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

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Co - cobalt	Fe - iron	Ni - nickel	W - tungsten
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"	Federal Way Humus Co.	20
"	Hord, R. S.	22
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MASON COUNTY

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Product	Metallic Operations	
Ag Cu Pb Zn	Bonnie Mine, Inc.	7
W	Chief Jo Tungsten, Inc.	7
Au Ag	Flag Hill Mines Corp.	9
Ag	Fourth of July Mine	9
	Hammond and Johnson	10
	Mitsui Busson Kaisha, Ltd.	11
	P & H Exploration and Mining Corp.	12
Cu Pb	Paymaster Mines, Inc.	12
Au Ag Cu	Sherman Mining Co.	13
Au Pb Zn	Silver Mountain Mining Co.	13
Au Ag Pb Zn	Sunny Peak Mining Co.	14
Ag Cu Pb		

Product	Nonmetallic Operations	
Epsom salts	Agro Minerals, Inc.	16
Gypsum sand	Agro Minerals, Inc.	16
Marl	Washington Natural Products Co.	33
Silica	Buzzard Silica Quarry	18

OKANOGAN COUNTY (continued)

<u>Location</u>	<u>Sand and Gravel Operations</u>	<u>Page</u>
Brewster	Thornton Sand & Gravel	52
Elmer City Area	Scotty's Sand and Gravel	50
Okanogan	Columbia Concrete Pipe Co.	38
Osoyoos Lake area	Verbeck Bros., Inc.	54
Tonasket area	Verbeck Bros., Inc.	54
Twisp area	Schrier, R. D.	50

PACIFIC COUNTY

<u>Product</u>	<u>Nonmetallic Operations</u>	
Stone	Beaty, A. H.	17
"	Runyon, H. G.	30

<u>Location</u>	<u>Sand and Gravel Operations</u>	
Long Beach area	Kuhns, Harvey	44
Naselle	Naselle Rock Company	47

PEND OREILLE COUNTY

<u>Product</u>	<u>Metallic Operations</u>	
Ag Pb Zn	American Zinc, Lead & Smelting Co.	6
U	Green Nugget Mining Co.	10
Pb Zn	LaSota Jones Co.	11
Ag Pb Zn	Pend Oreille Mines & Metals Co.	12
Au Ag Pb	Rocky Creek Mine	12
U	Triple H-J Mining Co., Inc.	14
U	Umatilla Development Co.	15
Au Ag Pb Zn	Utahcan, Inc.	15
U	Veneta Co.	15

<u>Product</u>	<u>Nonmetallic Operations</u>	
Limestone	Lehigh Portland Cement Co.	23
Portland cement	Lehigh Portland Cement Co.	23
Shale	Lehigh Portland Cement Co.	23
Silica	Lehigh Portland Cement Co.	23
Stone	Natural Stone Co.	26

<u>Location</u>	<u>Sand and Gravel Operation</u>	
Newport area	Al Rathbun Gravel & Excavating	35

PIERCE COUNTY

Product	Nonmetallic Operations	Page
Clay and clay products	Builders Brick Co.	18
Coal	Carbonado Coal Co.	18
"	P & L Coal Co.	28
Peat	Bradley, Ward	17
"	McKay, Thomas A.	25
"	Parkland Peat Co.	29
Stone	Hicks, C. B.	21
"	Walker Cut Stone Co., Inc.	33
Location	Sand and Gravel Operations	
Lakeview area	The Harrison Brothers Co.	41
Puyallup area	Hilltop Concrete Co.	42
" "	Tim Corliss & Son	52
Steilacoom area	Glacier Sand & Gravel Co.	40
" "	Pioneer Sand & Gravel Co.	48
Sumner area	Tim Corliss & Son	52
South Tacoma	Holroyd Co.	42
SE. Tacoma area	Canyon Gravel & Supply	37

SAN JUAN COUNTY

Product	Nonmetallic Operation	
Limestone	Everett Lime Co.	20
Location	Sand and Gravel Operation	
Friday Harbor area	Island Sand and Gravel Co.	43

SKAGIT COUNTY

Product	Metallic Operations	
Cu	Bear Creek Mining Co.	7
Ag Pb Zn	Diamond Property	8
Cr	Industrial Mining, Inc.	10
Product	Nonmetallic Operations	
Limestone	Lone Star Cement Corp.	24
Olivine	Northwest Olivine Co.	28
Portland cement	Lone Star Cement Corp.	24
Roofing chips	Northwest Talc & Magnesium Co.	28
Silica	Martin and Pressentin	25
"	Scheel, Norman	31
Soapstone and talc	Cascade Talc & Silica Co.	19
" " "	Martin and Pressentin	25
" " "	Scheel, Norman	31
" " "	Skagit Talc Products	31
" " "	Smith, Herman	31
Strontianite and celestite	Mineral Products Corp.	25
Travertine	Marl Mining Co.	25

SKAGIT COUNTY (continued)

<u>Location</u>	<u>Sand and Gravel Operations</u>	<u>Page</u>
Anacortes area	Marine Asphalt Co., Inc.	45
Belfast area	Mt. Vernon Sand & Gravel Co., Inc.	47
Bow area	Nordlund Ready-Mix	47
Burlington area	Associated Sand & Gravel Co.	35
" "	Butler Brothers	37
Mount Vernon area	Miller Sand & Gravel	46
" " "	Skagit Sand & Gravel	50
Sedro Woolley area	Bar Sand & Gravel	35
" " "	Leroy E. Hilde Sand & Gravel	45

SKAMANIA COUNTY

<u>Product</u>	<u>Metallic Operation</u>	
Au Ag	Wind River Mining Co.	15

<u>Product</u>	<u>Nonmetallic Operations</u>	
Mineral water	Moffett's Hot Springs	26
" "	St. Martin's Mineral Hot Springs	31
Silica	Cantonwine and Carney	18
Stone	Cascade Minerals, Inc.	19
"	Stone Center Inc.	32

<u>Location</u>	<u>Sand and Gravel Operation</u>	
Wind River area	Crowe Crushing Co.	39

SNOHOMISH COUNTY

<u>Product</u>	<u>Metallic Operations</u>	
Ag Cu Pb Zn	Amco Mining Co.	6
Au Cu Mo W	Bear Creek Mining Co.	7
Au Ag Cu Mo	Iowa Mine	10
Au Ag Cu Mo W	Kromona Consolidated Mines, Inc.	10
Cu	Western Exploration & Developing	15

<u>Product</u>	<u>Nonmetallic Operations</u>	
Clay and clay products	Lowell Brick & Tile Co.	24
Limestone	Miller Lime Co.	25
"	Western Lime Co.	34
Mineral water	Garland Mineral Springs	20
Peat	Bassett's Gro-Earth	16
"	Rhod-A-Zalea Gardens	30
Stone	Manufacturers Mineral Co.	24
"	Stoen Construction Co.	32
Travertine	Marl Mining Co.	25

SNOHOMISH COUNTY (continued)

Location	Sand and Gravel Operations	Page
Arlington area	Arlington Sand & Gravel	35
" "	Robb, Roy	49
Darrington area	Boehmer, T. M.	36
Edmonds	Builder's Sand and Gravel Co.	37
Everett	Associated Sand & Gravel Co.	35
Kenmore area	S. H. Edinger Gravel Co.	40
" "	Lake City Gravel & Materials, Inc.	44
Marysville area	Otto & Ross Gravel Co., Inc.	48
Monroe	Beavers, C. H.	36
Paine Field area	Hosco, Inc.	42
Snohomish	Snohomish Sand & Gravel	51
Sunnyside area	Tri City Sand & Gravel, Inc.	53

SPOKANE COUNTY

Product	Metallic Operations	
U	Bear Creek Uranium Exploration	7
U	Daybreak Uranium, Inc.	8
U	Evergreen Uranium Exploration Co.	9
U	Mudhole Exploration, Inc.	11
U	Spokane Mountain Uranium Co.	13
U	Spokane National Mines Inc.	13
U	Ultra Ray Drilling and Mining Co.	14

Product	Nonmetallic Operations	
Clay and clay products	Gladding, McBean & Co.	21
" " " "	Ideal Cement Co.	22
" " " "	Pirello Bros.	29
Portland cement	Ideal Cement Co.	22
Silica	Pacific Silica Co.	29
Stone	Carl Carbon, Inc.	18
"	Empire Granite Co.	20
"	Keene & Son	23

Location	Sand and Gravel Operations	
Spokane	Ace Concrete Co.	35
Spokane area	Carl Carbon, Inc.	37
" "	Cunningham Sand and Gravel Co., Inc.	39
" "	Inland Asphalt Co.	42
" "	Materne, Jack O.	46
" "	Materne Sand Co.	46
" "	Spokane Sand & Gravel Co.	51
" "	Union Sand & Gravel Co., Inc.	53
" "	United Paving Co., Inc.	54

STEVENS COUNTY

Product	Metallic Operations	Page
Ag Cu Pb	Aguila Lead Silver Mine	6
Rare earths	Alaska-Canadian Mines, Inc.	6
Au Ag Cu Pb	American Eagle Mining Co.	6
Pb Zn	Basic Minerals Limited	7
Pb	Clayloon Uranium Co., Inc.	7
U	Dawn Mining Co.	8
Ag Pb Zn	Deep Lake Mining & Milling Co.	8
Pb Zn	Gladstone Mine	9
Pb Zn	The Goldfield Consolidated Mines Co.	9
Pb Zn	Grandview Mines	9
Ag Pb Zn	Koschutzke Mine	10
Fe	Kulzer Mine	11
Ag Pb	Nevada Rawhide Mining Co.	12
U	Silver Buckle Mining Co.	13
U	Spokane National Mines Inc.	13
Ag Pb Zn	Triton Mining Co.	14

Product	Nonmetallic Operations	Page
Clay	Lotze, A. G.	24
Dolomite	Manufacturers Mineral Co.	25
Limestone	Columbia Rock Co.	19
"	Ideal Cement Co.	22
"	Northport Limestone Co.	27
"	Peter Janni & Sons	29
Magnesite	Northwest Magnesite Co.	27
Molding sand	Manufacturers Mineral Co.	25
Silica Sand	Lane Mountain Silica, Inc.	23
" "	Manufacturers Mineral Co.	25
Stone	Natural Stone Co.	26
"	North American Non-Metallics, Ltd.	26
Terrazzo chips	Manufacturers Mineral Co.	25
" "	North American Non-Metallics, Ltd.	26
" "	Northwest Marble Products Co.	27
" "	Peter Janni & Sons	29

Location	Sand and Gravel Operations	Page
Chewelah area	Colville Valley Concrete Co.	38
Colville	Colville Valley Concrete Co.	38

THURSTON COUNTY

Product	Nonmetallic Operations	Page
Coal	Stoker Coal Co.	32
"	Tono Coal Co.	33

Location	Sand and Gravel Operations	Page
Nisqually area	Holroyd Co.	42
Olympia area	O & K Trucking Co.	47
" "	Olympia Oil & Wood Products Co.	48
" "	Sjboen Bros.	50
" "	U. & W. Construction Co., Inc.	53
Rochester area	Blackie's Gravel	36

WALLA WALLA COUNTY

<u>Location</u>	<u>Sand and Gravel Operations</u>	<u>Page</u>
Attalia area	Jones-Scott Company, Inc.	43
Walla Walla	Jones-Scott Company, Inc.	43
Walla Walla area	Oliver Building and Gravel	48

WHATCOM COUNTY

<u>Product</u>	<u>Metallic Operations</u>	
Au Ag Cu	Glacier Mining Co.	9
Au Ag Pb Zn	Mt. Baker Mining & Milling Co.	11
Au Ag Cu	Saginaw Gold & Copper Mines, Inc.	13
Au Ag	Western Gold Mining, Inc.	15

<u>Product</u>	<u>Nonmetallic Operations</u>	
Clay and clay products	Hampton Brick and Tile Co.	21
" " " "	The Olympic Portland Cement Co.	28
Limestone	Mitchell Bay Lime Co.	26
"	The Olympic Portland Cement Co.	28
Portland cement	The Olympic Portland Cement Co.	28

<u>Location</u>	<u>Sand and Gravel Operations</u>	
Bellingham	Lind Gravel Co.	45
Bellingham area	Mulka Gravel Co.	47
Cedarville area	Cowden Gravel Co.	39
Laurel area	Doug Pullar Sand & Gravel	40
" "	C. V. Wilder Co.	55
Lynden area	Whatcom Builders Supply Co.	55
Sumas area	Sumas Fuel & Transfer Co.	52

WHITMAN COUNTY

<u>Product</u>	<u>Nonmetallic Operation</u>	
Stone	Hole in the Ground Quarry	22

<u>Location</u>	<u>Sand and Gravel Operations</u>	
Colfax area	Foley Sand & Gravel	40
Palouse area	Kriebel, Leonard	44
Pullman area	United Paving Co., Inc.	54

YAKIMA COUNTY

<u>Product</u>	<u>Nonmetallic Operations</u>	
Bentonite	Calco Industrial Minerals	18
Clay and clay products	Granger Clay Products Co.	21
Pumicite	Butte Pozzolan Co.	18
Stone	Mount Adams Sheet Rock Quarry	26

YAKIMA COUNTY (continued)

<u>Location</u>	<u>Sand and Gravel Operations</u>	<u>Page</u>
Grandview	Keller Sand & Gravel	44
"	Yakima Cement Products Co.	55
Parker area	Tobin Sand & Gravel	53
Sunnyside	Levold, Ernest	45
Sunnyside area	Valley Ready-Mix Concrete Co.	54
Toppenish	Graham & Morris Construction Co.	41
"	F. B. Kerby & Sons Sand & Gravel	44
Yakima	DeAtley Paving & Crushing Inc.	39
Yakima area	Valley Cement Company	54
Yakima	Yakima Cement Products	55

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- Division of Mines and Geology Bulletin 41 - An outline of mining laws of the State of Washington, compiled and annotated by Morton H. Van Nuys, Mining Lawyer, Seattle. 1953. 142 p. 50¢.
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