

State of Washington
ALBERT D. ROSELLINI, Governor

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DIVISION OF MINES AND GEOLOGY
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Information Circular No. 28

**DIRECTORY OF
WASHINGTON MINING
OPERATIONS
1958**

By
WAYNE S. MOEN, VAUGHN E. LIVINGSTON, JR.,
and GERALD W. THORSEN



FOREWORD

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

Sand, gravel, and common crushed-rock operations include all the more prominent producers--particularly those operating commercial pits and quarries, as distinct from state and railroad quarries. As the emphasis is on operations of some permanence, the many pits of the Washington Department of Highways are not listed individually because of the temporary or intermittent nature of their production. The rock referred to is mostly used for road-building purposes. 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, 1957

By

Wayne S. Moen, Vaughn E. Livingston, Jr.,
and 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.

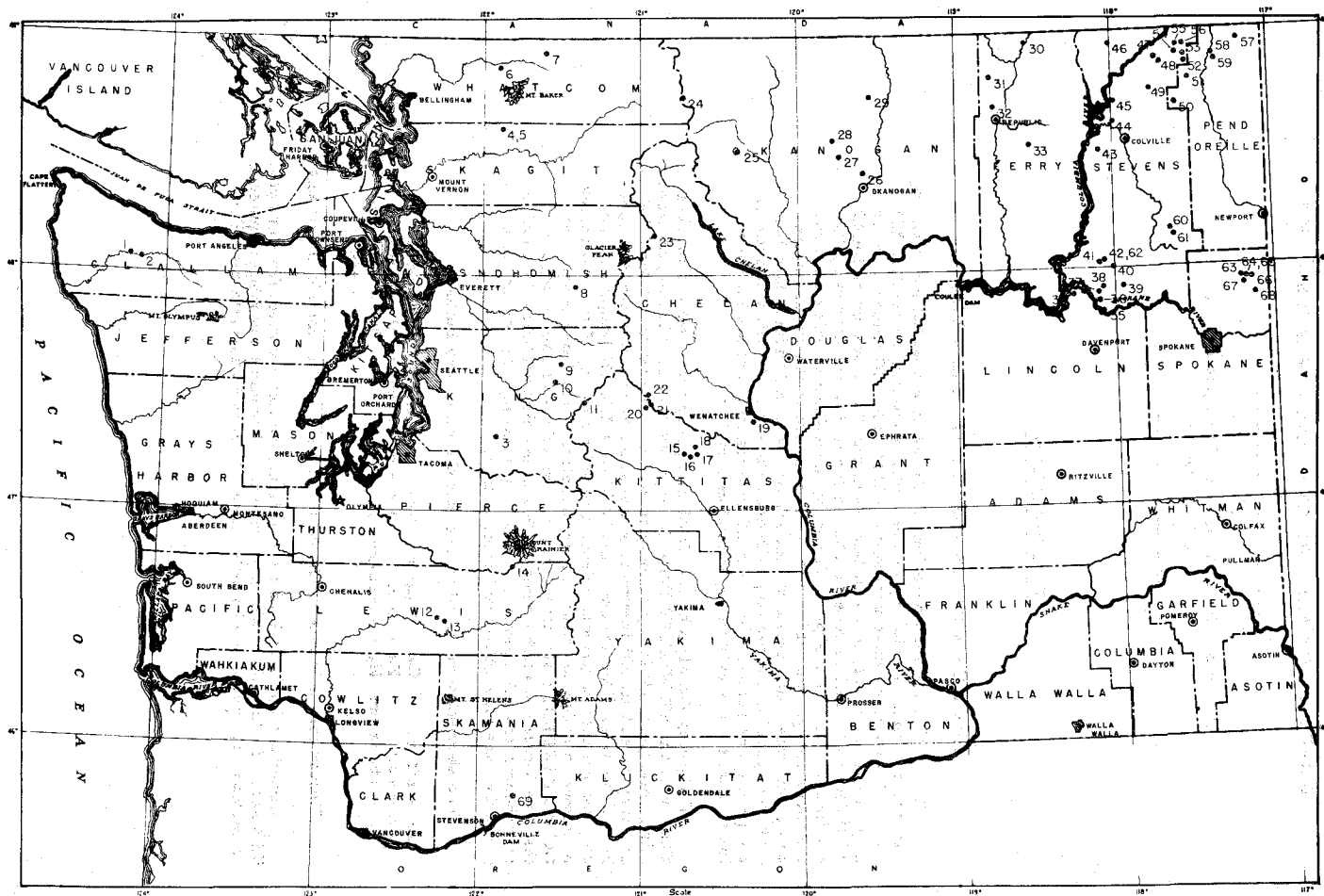
The abbreviations used throughout the directory include:

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

Underscoring indicates the metal of principal economic importance.

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

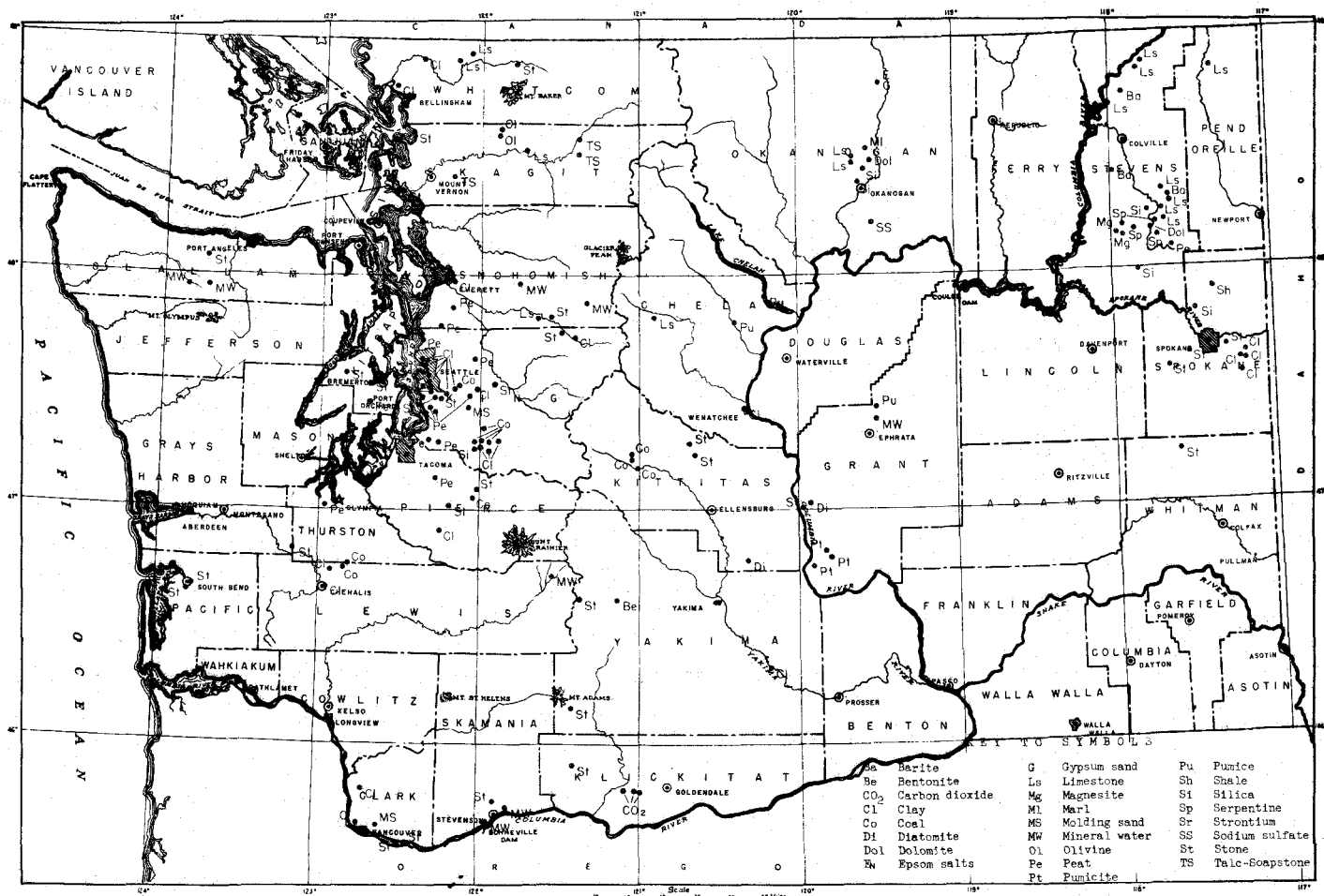
CURRENTLY ACTIVE METALLIC PROPERTIES



KEY TO ACTIVE METALLIC PROPERTIES

1. Beaver Falls
2. Bear Creek
3. Royal Reward
4. Industrial
5. Twin Sisters
6. Midas
7. Saginaw
8. Mineral Gorge
9. Devil's Canyon
10. Rainey
11. United Cascade
12. Spencer
13. Seipman
14. Eagle Peak
15. Western Placers
16. Flag Mountain
17. Mountain Daisy
18. Ace of Diamonds
19. Gold King
20. Lucky Strike
21. Blue Bonnet
22. Pickwick
23. Glacier Peak
24. New Light
25. Lucky Jim
26. Sherman
27. Peacock
28. Gubser
29. Silver Star
30. Walla Walla
31. Kelly Camp
32. Knob Hill
33. Nine Mile
34. Crystal
35. Lowley
36. Northwest Uranium
37. Big Smoke
38. Western Uranium
39. Midnite
40. Blue Mountain
41. Deer Trail
42. Togo
43. Aguila Lead Silver
44. Vanasse
45. Bonanza
46. White Horse
47. Scandia
48. Last Chance
49. Van Stone
50. Rocky Creek
51. Rushmeir
52. Gladstone
53. Electric Point
54. Anderson
55. Red Top
56. Lucille
57. LaSota Jones
58. Pend Oreille
59. Grandview
60. Kulzer
61. Loon Lake
62. Turk
63. Daybreak
64. Lehmbacker
65. Huffman
66. Dahl
67. Bowen
68. Hansen
69. Wind River

CURRENTLY ACTIVE NONMETALLIC PROPERTIES



WASHINGTON MINERAL PRODUCTION (a)

| Product | 1956 | | 1957 (b) | |
|------------------------------------|------------|-----------------------|------------|-----------------------|
| | Quantity | Value | Quantity | Value |
| Clay-----short tons | 319,988 | \$439,461 | 320,000 | \$450,000 |
| Coal-----do - | 472,620 | 3,432,127 | 365,000 | (c) |
| Copper-----do - | 2,926 | 2,487,100 | 1,660 | 996,000 |
| Chromite-----do - | 30 | 3,330 | - | - |
| Gold---fine ounces | 70,669 | 2,473,415 | (c) | (c) |
| Iron ore (hematite)--short tons | 2,201 | (c) | 1,934 | (c) |
| Lead-----do - | 11,657 | 3,660,298 | 12,342 | 3,554,496 |
| Peat-----do - | 37,043 | 128,964 | 37,000 | 129,000 |
| Pumice and pumicite----do - | 5,291 | 14,757 | (c) | (c) |
| Sand and gravel--- -----do - | 16,841,792 | 15,037,128 | 17,000,000 | 15,500,000 |
| Silver-----do - | 448,442 | 405,863 | (c) | (c) |
| Stone-----short tons | 8,057,338 | 11,659,598 | 9,000,000 | 12,000,000 |
| Uranium----- | (d) | (d) | (d) | (d) |
| Zinc-----short tons | 25,609 | 7,016,866 | 23,139 | 5,321,970 |
| Undistributed (e)----- | | 17,707,142 | | 21,630,421 |
| Total value | | ----- \$61,619,000(f) | | ----- \$57,192,000(f) |

(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) Value included with "Undistributed."

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

(e) Abrasive stone (1956), carbon dioxide, cement, diatomite, epsomite, gem stones, gypsum, lime (1956), magnesite, mercury (1957), olivine, strontium, talc and soapstone, tungsten, and minerals whose value must be concealed for particular years (indicated in the appropriate column by footnote reference c).

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

The value of Washington mineral production dropped from \$61.6 million in 1956 to \$57.2 million in 1957 according to preliminary data. Mine output of copper and zinc was down \$1.5 million and \$1.7 million respectively. Cement dropped 15 percent below the 1956 level, and coal continued to decline. Sand and gravel, stone, and magnesite are estimated to have made slight gains, whereas lead maintained its 1956 level.

METALLIC MINING OPERATIONS

Abbreviations used:

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

Underscoring indicates metal of principal economic importance.

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

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|--|------------------------------|---|
| ACE OF DIAMONDS MINE Ted and Al Marcear, lessees Chelan, Wash. Current development | Au | KITTITAS COUNTY Liberty district Sec. 31, (21-18E) |
| AGUILA LEAD SILVER MINE John Marty and Marvin Meddock Rice, Wash. Current development | <u>Pb</u> , Ag, <u>Cu</u> | STEVENS COUNTY Kettle Falls district SE $\frac{1}{4}$ sec. 25, (35-37E) |
| AMERICAN SMELTING & REFINING CO. Northwestern Mining Dept. Box 440 Wallace, Idaho P. A. Lewis, Supt. Box 69, Colville, Wash. 1,000-ton flotation mill. Recent production at Northport Unit (Van Stone mine) | <u>Zn</u> , Pb | STEVENS COUNTY Northport district Sec. 33, (38-40E) |
| AMERICAN ZINC, LEAD & SMELTING CO. 1515 Paul Brown Bldg. St. Louis 1, Mo. R. E. Calhoun, Western Mgr. 927 Old National Bank Bldg. Spokane 1, Wash. John W. Currie, Res. Mgr. Metaline Falls, Wash. 750-ton flotation mill. Current production at Grandview mine | <u>Zn</u> , Pb, <u>Ag</u> | PEND OREILLE COUNTY Metaline district Secs. 14, 15, 22, 30, (39-43E) |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|--|------------------|--|
| ANACONDA CO. | | |
| E. C. Stephens P. O. Box 1764 Spokane 10, Wash. Current development at: | | |
| Rainey mine H & R Co., lessor 2121 Everett Ave. Everett, Wash. | Cu, Au, Ag | KING COUNTY Taylor River district Sec. 16, (24-10E) |
| United Cascade mine United Cascade Mining Co., Inc., lessor 6610 Colman Bldg. Seattle, Wash. | Cu | Snoqualmie Pass area Sec. 23, (23-11E) |
| B & C MINING CO. | | |
| E. M. Bailey and L. W. Cagle, lessees Box 28, Colville, Wash. Current development at Vanasse mine | Zn, Pb, Ag | STEVENS COUNTY Kettle Falls district NE $\frac{1}{4}$ sec. 10, (36-38E) |
| BASIC MINERALS LIMITED | | |
| Grand Forks, B. C., Canada Herb Bonnett, Mgr. Current development at Last Chance Consolidated mine | Pb, Zn | STEVENS COUNTY SE $\frac{1}{4}$ sec. 24, (39-40E) |
| BEAR CREEK MINING CO. | | |
| Glenn C. Reed W. 508 Cataldo Ave. Spokane, Wash. Current development at Glacier Peak mine | Cu, Au, Mo, W | SNOHOMISH COUNTY Glacier Peak district Sec. 10, (31-15E) |
| BEAVER FALLS (STATE LEASE) | | |
| Mn John C. Krueger Star Route 1, Box 32 Port Angeles, Wash. Current development | | CLALLAM COUNTY Beaver Creek area Sec. 16, (30-12W) |
| BIG SMOKE URANIUM, INC. | | |
| U Dr. M. M. Kalez, Pres. 725 Paulsen Bldg. Spokane 1, Wash. Current development at Big Smoke mine | | STEVENS COUNTY Spokane Indian Reservation N $\frac{1}{2}$ NE $\frac{1}{4}$ sec. 14, (28-37E) |
| BLUE BONNET | | |
| Riley Williams and associates 320 N. Hillcrest Yakima, Wash. Current development | Cu, Au, Ni | KITTITAS COUNTY Camp Creek area SE $\frac{1}{4}$ sec. 25, (23-14E) |
| THE BUNKER HILL CO. | | |
| Kellogg, Idaho E. B. Gibbs, lessor Box 111 Colville, Wash. Current development at Bonanza mine | Pb, Ag | STEVENS COUNTY Clugston Creek district Secs. 2, 11, (37-38E) |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|--|-------------------|---|
| CLAYLOON URANIUM CO., INC. 319 Peyton Bldg. Spokane 1, Wash. Current development at Huffman lease | U | SPOKANE COUNTY Mount Spokane area N $\frac{1}{2}$ SE $\frac{1}{4}$ sec. 1, (28-44E) |
| CLE ELUM RIVER MINING CO., INC. Phil Denney, Pres. 310 Blaine St. Seattle 9, Wash. Current development and production at Lucky Strike property | Ag, Au, Pb, Zn | KITTITAS COUNTY Camp Creek area Sec. 25, (23-14E) |
| CONCONULLY MINES, INC. Henry G. Olson, Pres. 108 N. 30th Ave. Yakima, Wash. I. E. Dulude, Secy.-Treas. 908 Hanratty Dr. Yakima, Wash. Frank Parker, Mill Supt. Omak, Wash. 50-ton flotation mill at Omak. Recent production at Peacock mine | Ag, Cu, Pb, Zn | OKANOGAN COUNTY Ruby district Sec. 19, (35-25E) |
| CRYSTAL CITY MINING CO. Luke Williams, Pres. 808 E. Sprague Ave. Spokane, Wash. Current development at Crystal mine | Ag, Pb, Cu, W | LINCOLN COUNTY Miles (Crystal) area NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 21, (28-36E) |
| D.M.E. MINING CO. A. F. Bradeen, Mgr. Rt. 1, Republic, Wash. Current development at Kelly Camp mine | W | FERRY COUNTY Republic district E $\frac{1}{2}$ sec. 4, (38-32E) |
| DAHL URANIUM MINE, INC. H. J. Tibbits, Pres. 408 Hutton Bldg. Spokane, Wash. Current development at: Dahl mine Stevens County property | U | SPOKANE COUNTY Mount Spokane area N $\frac{1}{2}$ SW $\frac{1}{4}$ sec. 6, (28-45E) STEVENS COUNTY Spokane Indian Reservation Sec. 13, (28-37E) Secs. 19, 22, 24, 25, 27, 30, (29-37E) Secs. 22, 27, (29-38E) |

| <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, Oregon Robert Fulton, Gen. Mgr. Ford, Wash. 400-ton mill at Ford, Wash. Current production at Midnite mine. | U | STEVENS COUNTY Turtle Lake area Sec. 12, (28-38E) |
| DAWN URANIUM & OIL CO. Gaylen Jones, Pres. 1328 7-A St., N.W. Calgary, Alberta, Canada C. R. Echlin, Secy. 422 Paulsen Bldg. Spokane 1, Wash. Current development at Bowen lease | U | SPOKANE COUNTY Mount Spokane district W $\frac{1}{2}$ NE $\frac{1}{4}$ and E $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 11, (28-44E) |
| DAYBREAK URANIUM INC. James W. Fox, Pres. Kae H. Sowers, Secy.-Treas. 12707 E. Valleyway Opportunity 67, Wash. Current production at: Daybreak mine Lowley lease | U | SPOKANE COUNTY Mount Spokane area E $\frac{1}{2}$ NE $\frac{1}{4}$ sec. 11, (28-44E) STEVENS COUNTY Spokane Indian Reservation SW $\frac{1}{4}$ sec. 13, (27-37E) |
| DEVIL'S CANYON MINING CO., INC. Vernon M. Osterberg, Pres. 801 Central Bldg. Seattle 4, Wash. Current development | <u>Mo, W,</u> <u>Ag, Cu</u> | KING COUNTY Buena Vista district SE $\frac{1}{4}$ sec. 27, (25-10E) |
| EAGLE PEAK COPPER MINING CO. R. H. Wheelock, Pres. Box 86, Ashford, Wash. Current development at Aldla and Paradise mines | <u>Cu, Au</u> | LEWIS COUNTY Mount Rainier Park SW $\frac{1}{4}$ sec. 22, (15-8E) |
| FLAG MOUNTAIN MINING CO., INC. Ed. Miner, Pres. Route 2, Cle Elum, Wash. Current development at Flag Mountain mine | Au | KITTITAS COUNTY Liberty district N $\frac{1}{2}$ sec. 1, (20-17E) |
| GEO-RESOURCE CORP. W. D. Weaver, Pres. 526 Hutton Bldg. Spokane 4, Wash. Current development at Blue Mountain property | U | STEVENS COUNTY Secs. 3, 10, 15, 18, (29-38E) |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|--|----------------|--|
| GLACIER MINING CO. Wm. A. Farrow, Supt. Box 11, Glacier, Wash. J. R. Atkeson, Mgr. 4039 Evanston Ave. Seattle, Wash. Current development at Midas mine | Cu, Ag, Au | WHATCOM COUNTY Glacier area NE $\frac{1}{2}$ 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 | STEVENS COUNTY Northport district Sec. 18, (39-42E) |
| GOLDBEL MINING CO. Ben E. Luebke 1112 North K St. Tacoma 3, Wash. Recent development at Seipman property | Hg | LEWIS COUNTY Morton district NE $\frac{1}{2}$ SE $\frac{1}{2}$ sec. 7, (12-5E) |
| 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 development at Anderson mine | Zn, Pb | STEVENS COUNTY Leadpoint district NW $\frac{1}{2}$ sec. 2, (39-41E) |
| GRANDVIEW MINES Karl W. Jasper, Pres. 310 Radio Central Bldg. Spokane 4, Wash. Current development at Scandia mine | Pb, Zn | STEVENS COUNTY Leadpoint area Sec. 23, (39-40E) |
| IDEAL CEMENT CO. 821 17th St. Denver 2, Colo. Spokane Division: G. M. Bell, Plant Mgr. E. 12207 Empire Ave. (P.O. Box 34) Spokane, Wash. Roy Neill, Sales Mgr. 724 Old National Bank Bldg. Spokane 1, Wash. Intermittent production at Kulzer quarry. (See also: Ideal Cement Co. under Nonmetallic Mining Operations.) | Fe | STEVENS COUNTY Valley area Sec. 20, (31-41E) |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|---|-----------------------------|---|
| INDUSTRIAL MINING, INC. Fred P. Nielson, Pres. Rt. 3, Box 260 Sedro Woolley, Wash. Current development | Cr | SKAGIT COUNTY Twin Sisters area Secs. 3, 9, 10, (36-7E) |
| 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, Ag</u> | FERRY COUNTY Republic district Secs. 22, 26, 27, (37-32E) |
| LaSOTA JONES CO. F. P. LaSota and E. P. Jones Metaline Falls, Wash. Current development | <u>Zn, Pb</u> | PEND OREILLE COUNTY Slate Creek district NW $\frac{1}{4}$ sec. 23, (40-44E) |
| LOON LAKE COPPER MINE Ernest Laukka Chewelah, Wash. Current development | <u>Cu, Au,</u> <u>Ag</u> | STEVENS COUNTY N $\frac{1}{2}$ sec. 33, (31-41E) |
| LOVITT MINING CO., INC. E. H. Lovitt, Pres. Box 1668, Wenatchee, Wash. Current production at Gold King mine | <u>Au, Ag</u> | CHELAN COUNTY Squillchuck area Secs. 16, 21, 22, (22-20E) |
| LUCKY JIM MINE Maurice Hamilton, owner N. 15 Main St. East Wenatchee, Wash. Current development at Lucky Jim mine | <u>Cu, Au,</u> <u>Ag</u> | OKANOGAN COUNTY Winthrop area SE $\frac{3}{4}$ sec. 7, (35-20E) |
| McPHAIL ENGINEERING CO. Charles W. McPhail 312 S. 112th (P.O. Box 1503) Tacoma 1, Wash. Leasing from Phantom Creek Copper, Inc. Current development at Pickwick property | <u>Cu, Au,</u> <u>Ag</u> | CHELAN COUNTY Leavenworth district Sec. 9, (23-15E) |
| MINERAL GORGE MINING AND DEVELOPING CO., INC. C. L. Long, Pres. Lloyd M. Bray, Secy. 3011 S. Monroe St. Tacoma 5, Wash. Current development | <u>Cu, Au,</u> <u>Ag</u> | SNOHOMISH COUNTY Index district Secs. 29, 30, 31, 32, (29-11E) |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|---|----------------------------------|--|
| MOUNTAIN DAISY MINE Ed Miner, owner Rt. 2, Cle Elum, Wash. Current development | Au | KITTITAS COUNTY Liberty area Sec. 1, (20-17E) Sec. 6, (20-18E) |
| MUDHOLE EXPLORATION, INC. Adolf C. Nissen, Pres. Ralph Umbreit, Vice Pres. 712 Hutton Bldg. Spokane 4, Wash. Current development at Hansen lease | U | SPOKANE COUNTY Mount Spokane area Sec. 33, (28-45E) |
| NEW WELLINGTON MINES LTD. <u>Mn</u> 640 Montreal St. Victoria, B.C., Canada Current development at Bear Creek mine | | CLALLAM COUNTY Beaver Creek area Sec. 24, (30-12W) |
| NINE MILE MINING CO., INC. Joe Dellas, Pres. H. F. Newell, Secy. Sam Cassell, Treas. P.O. Box 455 Republic, Wash. Current development at Nine Mile mine | <u>W</u> , Au, <u>Ag</u> , Cu | FERRY COUNTY Edds Mountain area SW $\frac{1}{4}$ sec. 3, (35-34E) NW $\frac{1}{4}$ sec. 10, (35-34E) |
| NORTH STAR URANIUM, INC. John F. Campbell, Pres. 417 Paulsen Bldg. Spokane 1, Wash. Current production from Lehmbacker lease | U | SPOKANE COUNTY Mount Spokane area Sec. 1, (28-44E) |
| NORTHERN PLAINS EXPLORATION CO. 640 7th Ave. West Calgary, Alberta, Canada Current development at: Deer Trail mine Togo mine Turk mine | <u>Cu</u> , Ag | STEVENS COUNTY Deer Trail district Sec. 1, N $\frac{1}{2}$ sec. 12, (29-37E) SE $\frac{1}{4}$ sec. 31, (30-38E) N $\frac{1}{2}$ sec. 6, (29-38E) |
| NORTHWEST MINING SYNDICATE Fred M. Viles, Mgr. Peyton Bldg. Spokane, Wash. Leasing Electric Point Mine to A. G. Lotze Aladdin Rt., Colville, Wash. Current production | Pb | STEVENS COUNTY Gladstone Mountain SE $\frac{1}{4}$ sec. 18, (39-42E) |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|--|-----------------------------|---|
| NORTHWEST URANIUM MINES, INC. Dr. F. E. Scott, Pres. E. 3723 16th Ave. Spokane 33, Wash. Current development | U | STEVENS COUNTY Spokane Indian Reservation Sec. 35, (28-37E) |
| PACIFIC NORTHWEST MINING CO. Wm. R. Steyer, Pres. 3740 E. Roosevelt Ave. Tacoma 4, Wash. P.R. Walker, Secy. 415 So. Cambrian Ave. Bremerton, Wash. Current development at Lucille mine | <u>Pb, Zn,</u> <u>Ag</u> | STEVENS COUNTY Leadpoint district Sec. 30, (40-42E) |
| 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, Pb,</u> <u>Ag</u> | PEND OREILLE COUNTY Metaline district Properties in Tps. 39 and 40, R. 43 E. |
| RAINIER MINING CO. Ivan Remlinger Henry Narum Homer P. Shephard Robert B. Lambert 7803 8th Ave. N.W. Seattle 7, Wash. Current development at Spencer mine | Hg | LEWIS COUNTY Morton district NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1, (12-4E) |
| RED TOP MINE E. B. Gibbs, lessee P.O.Box 111 Colville, Wash. S.I. Serigstad, owner 11911 Rives Ave. S. Downey, Calif. Current production | <u>Ag, Pb,</u> <u>Zn</u> | STEVENS COUNTY Northport district Sec. 25, (40-41E) |
| REPUBLIC COPPER CO. John Higgins Box 304 Zillah, Wash. Current development on the Walla Walla group claims | <u>Cu, Ag,</u> <u>Au</u> | FERRY COUNTY Danville area Secs. 7, 18, (40-34E) |
| ROCKY CREEK MINE George Jensen J.R. McNamee Northport, Wash. Current development | <u>Pb, Ag,</u> <u>Au</u> | PEND OREILLE COUNTY Tiger area SE $\frac{1}{4}$ 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, Au,</u> <u>Ag</u> | WHATCOM COUNTY NW $\frac{1}{4}$ sec. 15, (40-9E) |
| SHERMAN MINING CO. Rt. 1, Box 243 Omak, Wash. C.C. Sherman, Pres. W.E. Sherman, Vice Pres. T.H. Hohn, Secy.-Treas. Current development at Sherman mine | <u>Pb, Zn,</u> <u>Au</u> | OKANOGAN COUNTY Ruby district Secs. 20, 29, (34-26E) |
| SILVER MOUNTAIN MINING CO. Arthur G. Nickelsen, Pres. 2403 S. Tacoma Way Tacoma 3, Wash. 200-ton mill at Tonasket. Current development at Silver Star mine | <u>Ag, Au,</u> <u>Pb, Zn</u> | OKANOGAN COUNTY Tonasket area W $\frac{1}{2}$ sec. 34, (38-26E) NW $\frac{1}{4}$ sec. 3, (37-26E) |
| SUNNY PEAK MINING CO. C. J. Weller, Pres. Dale Lanphere, Vice-Pres. 409 Empire State Bldg. Spokane 1, Wash. Current development at: Gubser mine Mineral Hill mine | <u>Ag, Cu,</u> <u>Pb</u> | OKANOGAN COUNTY Salmon River district N $\frac{1}{2}$ sec. 36, (36-24E) Sec. 35, (36-24E) |
| TWIN SISTERS MAGNESIUM AND CHROME CORPORATION Alwyn H. Wild, Pres. A.L. Atherton, Vice Pres. George H. Beers, Sales Mgr. 1101 Terminal Sales Bldg. Seattle 1, Wash. Current development (See also: Twin Sisters Magnesium and Chrome Corporation under Nonmetallic Mining Operations.) | <u>Cr</u> | SKAGIT COUNTY Twin Sisters Mountains Secs. 3, 4, (36-7E) |
| UTAHCAN, INC. L. L. Lorang, Pres. Gordon Berkhaug, Vice Pres. 1831 E. Sprague Ave. Spokane 31, Wash. Current development at Rushmeir lease | <u>Pb, Zn,</u> <u>Ag, Au</u> | PEND OREILLE COUNTY Jim Creek area Secs. 8, 9, 16, 17, (38-42E) |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|--|---------------------|---|
| WASHINGTON MINING CORP. Box 66 Palmer, Wash. Current production at Royal Reward mine | Hg | KING COUNTY Kanasket area SW $\frac{1}{4}$ sec. 9, (21-7E) |
| WESTERN GOLD MINING, INC. Harry Kramer, Pres. 712 Vance Bldg. Seattle 1, Wash. 100-ton flotation mill. Current development at New Light mine | <u>Au, Ag</u> | WHATCOM COUNTY Slate Creek district Sec. 27, (38-17E) |
| WESTERN PLACERS, INC. E. A. Dickison, Pres. Puyallup, Wash. Recent production | Au | KITTITAS COUNTY Liberty district Sec. 2, (20-17E) |
| WESTERN URANIUM MINES, INC. William Winkler, Pres. Don A. Gillis, Secy. 730 Peyton Bldg. Spokane, Wash. Current development on Spokane Indian Reservation | U | STEVENS COUNTY Sec. 12, (28-37E) |
| WHITE HORSE MINES Robert Alameda, lessee 34 Sierra Drive Salinas, Calif. Frank Paparich, Ben Hofer, and John Colby, owners Northport, Wash. Current development | <u>Cu, Au</u> Ag | STEVENS COUNTY Northport area E $\frac{1}{2}$ sec. 19, W $\frac{1}{2}$ sec. 20, (40-38E) |
| WIND RIVER MINING CO. Everett N. Philpott, Pres. 205 East 12th St. Vancouver, Wash. Current development | <u>Au, Ag</u> | SKAMANIA COUNTY Paradise district |

NONMETALLIC MINING OPERATIONS

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|--|------------------------|---|
| ABRAHAMSON BRICK CO. G. C. Anderson, Mgr. 5000 W. Marginal Way Seattle 6, Wash. Current production | Brick | KING COUNTY Pit at same address |
| ADDERSON, J. G. 10621 Crestwood Drive Seattle 88, Wash. Current production at: | | |
| 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) |
| AGRO MINERALS, INC. R. W. Cool, Pres.-Gen. Mgr. R. R. 1, Tonasket, Wash. Current production | Epsom salts, gypsum | OKANOGAN COUNTY Tonasket area SE $\frac{1}{4}$ sec. 5, (38-27E) |
| ARBOR LAKE HUMUS CO. Charles Liddle 240 S. 124th St. Seattle, Wash. Current production | Peat | KING COUNTY South of Seattle Pit at same address |
| ARGUS SUPER HUMUS A. G. Argus 15045 First Ave. N. E. Seattle 55, Wash. Current production | Peat | SNOHOMISH COUNTY Lynnwood area 50th Ave. W. and 200th S. W. |
| ARROW LAKE HUMUS CO. W. H. Albright 19661 First Ave. S. Seattle 88, Wash. Current production | Peat | KING COUNTY South of Seattle Pit at same address |
| B & R COAL CO. Ida Baima and Mike Rubattino P. O. Box 389 Renton, Wash. Current production at Newcastle mine | Coal | KING COUNTY Newcastle area Secs. 26, 27, (24-5E) |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|--|--|---|
| 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) |
| BEATY, A. H. 417 Quincy St. (Box 25) South Bend, Wash. Current production (See also: Beaty, A. H., under Sand and Gravel Operations.) | Riprap | PACIFIC COUNTY Raymond area NE $\frac{1}{4}$ sec. 23, (14-9W) |
| BLACK PRINCE COAL CO. Mrs. Angeline Parkin Route 2, Box 32 Centralia, Wash. Limited production | Coal | LEWIS COUNTY Centralia area S $\frac{1}{2}$ sec. 28, (15-1W) |
| BLACK RIVER QUARRY, INC. Joseph Romano, Pres. J. R. Hawk, Mgr. 6808 S. 140th St. Seattle 88, Wash. Current production (See also: Black River Quarry, Inc. under Sand and Gravel Operations.) | Rockery stone | 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) |
| BREMERTON MONUMENT CO. Lester M. Lewis, owner Rt. 2, Box 1279-B Bremerton, Wash. Current production at Green Mountain quarry | Monument stone, land- scape rock | KITSAP COUNTY Green Mountain area NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 8, (24-1W) |
| BROWN, GORDON J. Route 1, Box 219 Chehalis, Wash. Current production | Clay | LEWIS COUNTY Centralia area E $\frac{1}{2}$ sec. 34, (15-2W) |
| BROWN, N. W. L. P. O. Box 333 Wenatchee, Wash. Limited production at Riverside quarry | Dolomite | OKANOGAN COUNTY Sec. 26, (35-26E) |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|---|-------------------------------|--|
| BUILDER'S BRICK CO. R. C. Houlahan, Pres. 3800 9th Ave. S. Seattle 8, Wash Current production at: | Brick, tile | Plants in Seattle, King County, and Clay City, Pierce County |
| Seattle pit | Clay | KING COUNTY 9th & Charleston |
| 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 production | Pozzolan (Pumicite) | YAKIMA COUNTY Priest Rapids area |
| CALCO INDUSTRIAL MINERALS C. P. Callahan 725 Central Bldg. Seattle 4, Wash. Current production | Bentonite | YAKIMA COUNTY Tieton area E $\frac{1}{2}$ sec. 7, (13-14E) |
| CARBON BROTHERS QUARRY Pete and Carl Carbon N. 3430 Cook St. Spokane, Wash. Current production (See also: Carbon Brothers Quarry under Sand and Gravel Operations.) | Crushed rock | SPOKANE COUNTY Spokane area On Geiger Field |
| CARBONADO COAL CO. T. A. Basselli, Supt. Carbonado, Wash. Current production | Coal | PIERCE COUNTY Wilkeson area NW $\frac{1}{4}$ sec. 4, (18-6E) |
| CARLSON, ERIC E. 21862 Fall City Highway Redmond, Wash. Current production | Peat | KING COUNTY Bog at same address NE $\frac{1}{4}$ sec. 16, (25-6E) |
| CASCADE MINERALS, INC. Ray Ziegler, Pres. Box 694 North Bonneville, Wash. Current development | Ornamental building stone | SKAMANIA COUNTY Hemlock Ranger Station area W $\frac{1}{2}$ sec. 1, (3-7E) |
| 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) |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|---|---|--|
| 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) |
| CHEWELAH MINERALS CORP. Gordon Lavigne, Pres. Don Reed, Secy. Chewelah, Wash. Current production at: | | |
| Luttrell Quarry | Terrazzo chips, stucco dash | STEVENS COUNTY Chewelah area NW $\frac{1}{4}$ sec. 19, (33-41E) |
| | Barite | Eagle Mountain area Sec. 33, (33-41E) |
| | Barite | Bruce Creek area Sec. 32, (38-39E) |
| DRAGHI, LOUIS Box 366 Black Diamond, Wash. Current production | Coal | KING COUNTY Black Diamond district SE $\frac{1}{4}$ sec. 14, (21-6E) |
| DUNLAP TOWING CO. Gene Dunlap, Jim Dunlap, and Axel Jensen, owners La Conner, Wash. Current production | Riprap | SKAGIT COUNTY McGlynn Island Quarry SW $\frac{1}{4}$ sec. 1, (33-2E) |
| 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) |
| ENTIAT PUMICE CO. H. A. Conklin Box 625, Ephrata, Wash. Current production | Pumice | CHELAN COUNTY Entiat district NW $\frac{1}{4}$ sec. 24, (27-19E) |
| 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) |
| EXPLORATION & DEVELOPMENT ASSOCIATES Ott F. Heizer, Gen. Mgr. Box 365 Los Altos, Calif. Current production at Lyons Hill quarry | Silica | STEVENS COUNTY Springdale area SW $\frac{1}{4}$ sec. 13, (29-39E) |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|--|----------------------------------|---|
| FEDERAL WAY HUMUS CO. E. G. Schwieger P. O. Box 200 Auburn, Wash. Current production | Peat | KING COUNTY Federal Way area NE $\frac{1}{4}$ sec. 8, (21-4E) |
| 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. J. E. Newbern, Plant Mgr. Box 144, Klickitat, Wash. 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 stone, riprap | JEFFERSON COUNTY Port Ludlow area Lots 5, 6, 7, 8, Sec. 33, (29-1E) SAN JUAN COUNTY Lopez Island Sec. 12, (35-2W) |
| GLADDING, McBEAN & CO. C. W. Planje, Pres. C. E. Goudge, Gen. Mgr. 945 Elliott Ave. W. Seattle 99, 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) |

(continued on following page)

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|---|--------------------------|--|
| GLADDING, McBEAN & CO. (continued from preceding page) | | |
| Veradale (A. M. Sommer) pit | Clay | Near Chester NE $\frac{1}{4}$ sec. 35, (25-44E) |
| GRANGER CLAY PRODUCTS CO. Alex Corbett, owner 515 S. 5th Ave. Yakima, Wash. Plant and pit at Granger Wash. Current production | Brick, tile, clay | YAKIMA COUNTY SW $\frac{1}{4}$ sec. 22, (10-21E) |
| THE GREEN SOIL CONDITIONER & FERTILIZER CO. L. B. Tanner, Pres. E. 1830 Sprague Ave. Spokane 31, Wash. Current production | Peat | STEVENS COUNTY Deer Lake area SE $\frac{1}{4}$ sec. 15, (30-41E) |
| HAMMOND, A. W. Box 397 South Bend, Wash. Intermittent production at Raymond quarry (See also: Hammond, A. W., under Sand and Gravel Operations.) | Riprap | PACIFIC COUNTY Raymond area Center sec. 23, (14-9W) |
| 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) |
| HIDDEN BRICK CO. R. A. Hidden, Mgr. 2610 Kauffman Ave. Vancouver, Wash. Current production | Brick | CLARK COUNTY Pit at same address |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|--|-------------------------------------|--|
| 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 R-56 Auburn, Wash. Limited production | Peat | KING COUNTY Dolloff Lake area SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 10, (21-4E) |
| HOUPLIN, J. E. P. O. Box 456 Des Moines, Wash. Current production at: Cathedral quarry | Field stone (columnar basalt) | GRANT COUNTY Vantage area Sec. 29, (18-23E) |
| IDEAL CEMENT CO. 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 | Limestone | STEVENS COUNTY Near Marble Sec. 25, (39-39E) |
| Grotto plant (Formerly Northwestern Portland Cement Co.) Plant address: Grotto, Wash. Current production at: | | |
| 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) |
| (See also: Ideal Cement Co. under Metallic Mining Operations) | | |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|--|---|--|
| JANNI, PETER, & SONS (See Peter Janni & Sons.) | | |
| KEARNEY CHEMICAL CO. C. A. Kearney, Pres. and owner Omak, Wash. Current production at Hauan Lake deposit | Sodium sulfate | OKANOGAN COUNTY Dooley Lake area SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 35, (32-26E) |
| 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) |
| KELLY-TEDROW CO. Roy R. Kelly C. E. Tedrow 414 Fernwell Bldg. Spokane, Wash. Current production | Limestone | STEVENS COUNTY Evans area Sec. 10, (37-38E) |
| KENITE CORP. C. A. Frankenhoff, Pres. A. G. Frankenhoff, Vice Pres. Harwood Bldg. Scarsdale, N. Y. J. A. Carr, Plant Supt. P. O. Box 1001, Quincy Wash. Current production | Diatomite | GRANT COUNTY South of Quincy Secs. 17, 22, (18-23E) |
| KIRSCH, J. JACK Rt. 2 Cle Elum, Wash. Current production | Flagstone, colored rubble, building stone | KITTITAS COUNTY Liberty District Sec. 24, (21-17E) Sec. 6, (20-18E) |
| LAKE CRESCENT NURSERY J. C. Dewilde, owner Box 10, Star Rt. 1 Port Angeles, Wash. Recent production | Flagstone | CLALLAM COUNTY Lake Sutherland area |
| 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) |

| <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) |
| Madsen pit | Barite | Addy district E $\frac{1}{2}$ N $\frac{1}{2}$ sec. 27, W $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 26, (34-38E) |
| Marble quarries | Terrazzo chips | Chewelah area |
| Valley quarry | Dolomite | Near Valley Secs. 15, 22, (31-40E) |
| McKAY, THOMAS A. Route 2, Box 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 $\frac{1}{2}$ sec. 16, (27-9E) |
| 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 Loren Burgess, Mgr. Box 92 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) |
| C. B. MUFFETT BRICK & TILE CO. C. B. Muffett, owner Rt. 1, Box 79 Ridgefield, Wash. Current production | Brick, tile | CLARK COUNTY N. E. of Ridgefield SE $\frac{1}{2}$ sec. 17, (4-1E) |
| MULLIGAN, R. C. Box 301 Okanogan, Wash. 30-ton hammer mill in Okanogan. Current production | Terrazzo chips, roofing chips, feed grit, agricultural limestone | OKANOGAN COUNTY Conconully area Secs. 4, 31, (34-26E) Secs. 24, 25, (35-25E) |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|---|--------------------------------------|---|
| MUTUAL MATERIALS CO. E. R. Coats, Pres. 1200 8th Ave. S. Seattle 4, Wash. Current production (See also: Mutual Materials Co. under Sand and Gravel Operations.) | Sand-lime brick | KING COUNTY South Park area SE $\frac{1}{4}$ sec. 31, (24-4E) |
| NORLITE PRODUCTS CO. James W. Johnson, Pres. James K. Johnson, Vice Pres. 405 Fidelity Bldg. Spokane 1, Wash. Current development | Shale (expanded) | SPOKANE COUNTY Chattaroy area NE $\frac{1}{4}$ sec. 10, (28-43E) |
| NORTHERN PACIFIC RAILWAY CO. Earl R. McMillan, Mgr. of Coal Operations 1012 Smith Tower Seattle 4, Wash. Mines address: Roslyn, Wash. Current production at: No. 3 Extension Mine No. 9 Strip pit | Coal | KITTITAS COUNTY Roslyn area Sec. 7, (20-15E) Secs. 20, 21, 28, (20-15E) Secs. 7, 14, 15, 16, 22, 23, (20-15E) |
| NORTHWEST MAGNESITE CO. Exec. office: 2210 Farmers Bank Bldg. Pittsburg 22, Pa. Local address: Howard Ziebell, Mgr. Chewelah, Wash. Currently mining magnesite at Red Marble quarry and calcining at plant near Chewelah, Wash. | Magnesite | STEVENS COUNTY Chewelah district SE $\frac{1}{4}$ sec. 24, (31-38E) SW $\frac{1}{4}$ sec. 19, (31-39E) |
| NORTHWEST OLIVINE CO. Kenneth E. Cook, Pres. 715 Riverside Drive 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 Clearlake, Wash. Current production at Clear Lake quarry | Talc, roofing chips, soapstone | SKAGIT COUNTY Clear Lake area Sec. 17, (34-5E) |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|---|--------------------|--|
| OHANAPECOSH HOT SPRINGS Martin Kilian, Mgr. Packwood, Wash. Current production | Mineral water | LEWIS COUNTY Mount Rainier area SW $\frac{1}{4}$ sec. 4, (14-10E) |
| OLYMPIC HOT SPRINGS Harry Schoeffel, Mgr. Olympic Hot Springs, Wash. Current production | Mineral water | CLALLAM COUNTY Elwha area NW $\frac{1}{4}$ sec. 28, (29-8W) |
| THE OLYMPIC PORTLAND CEMENT CO., LTD. H. M. Krabbe, Gen. Supt. P. O. Box 17 Bellingham, Wash. Current production at: | Portland cement | |
| Brennan pit | Clay | WHATCOM COUNTY At Brennan Sec. 33, (39-2E) |
| Limestone quarry | Limestone | Near Kendall Secs. 8, 14, 15, 16, 17, 21, 22, 23, 27, (40-5E) |
| ORGANIC PLANT FOODS SUPPLY Wm. W. Barager, owner Sunnyslope Drive Port Orchard, Wash. Current production | Peat | KITSAP COUNTY Sunnyslope area NW $\frac{1}{4}$ sec. 7, (23-1E) |
| P & L COAL CO. Robt. Peloli, Andrew Locke Wilkeson, Wash. Current production at Burnett mine | Coal | PIERCE COUNTY Wilkeson area Secs. 16, 21, 22, (19-6E) |
| PACIFIC SILICA CO. Wylie M. Hemphill, Secy. 3300 First Ave. S. Seattle 4, Wash. Jess Pulliam, Supt. Deer Park, Wash. Current production at: | | |
| Latshaw (Denison or Silicia Hill) deposit | Silica | SPOKANE COUNTY North of Spokane Sec. 14, (27-42E) |
| Cottonwood Creek deposit | Silica | STEVENS COUNTY Cottonwood Creek area SE $\frac{1}{4}$ sec. 6, (31-41E) |
| PALMER COKING COAL CO., INC. John H. Morris, Gen. Mgr. Box 8, Black Diamond, Wash. Current production at: | Coal | |

(continued on following page)

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|--|---|---|
| PALMER COKING COAL CO., INC. (continued from preceding page) | | |
| Landsburg mine | | KING COUNTY Landsburg area Sec. 25, (22-6E) |
| No. 12 Franklin mine and strip operation | | Franklin area Sec. 18, (21-7E) |
| 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) |
| PIONEER TOWING CO. George R. Osborn 5001 E. Marginal Way Seattle, Wash. Current production | Stone, riprap | KITSAP COUNTY Pioneer quarry SE $\frac{1}{4}$ sec. 28, (24-1E) |
| PIRELLO BROS. E. 15110 36th Ave. Veradale, Wash. Current production at Tiano clay pit | Clay | SPOKANE COUNTY 2 mi. east of Chester SE $\frac{1}{4}$ sec. 35, (25-44E) |
| PLANT FOOD CO. Geo. Webster, owner 2303 N. 175th St. Seattle 33, Wash. Current production | Peat | KING COUNTY North Seattle Pit at same address |
| PUGET SOUND BRIDGE & DREDGING CO. H. W. McCurdy, Pres. 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 & Dredging Co. under Sand and Gravel Operations.) | Rockery stone | KING COUNTY Lot 7, Riverside Interurban tract Sec. 9, (23-4E) |
| 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) |
| ROSLYN CASCADE COAL CO. Harry S. Patrick, Pres. Ronald, Wash. Current production | Coal | KITTITAS COUNTY Ronald area Sec. 6, (20-15E) |
| ST. MARTIN'S MINERAL HOT SPRINGS F. D. McMaster, Gen. Mgr. Carson, Wash. Current production | Mineral water | SKAMANIA COUNTY Near Carson SE $\frac{1}{4}$ sec. 21, (3-8E) |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|---|---|---|
| SEATTLE BRICK & TILE CO., INC. John B. Stirrat, Pres. Roy N. Stirrat, V. P.-Mgr. 9th Ave. S. and Andover St. Seattle 8, Wash. Current production | Brick, tile | KING COUNTY Pit at same address |
| SEOLA HUMUS CO. Will L. Rausch 7335 34th Ave. S. W. Seattle 6, Wash. Current production | Peat | KING COUNTY Bog at 30th and 104th S. W., Seattle |
| SETZER, MAX 18011 Sunset Highway Renton, Wash. Intermittent production | Peat | KING COUNTY Coalfield area NW $\frac{1}{4}$ sec. 7, (23-6E) |
| SHARP, J. ARNOLD Route 11, Box 652 Olympia, Wash. Current production | Peat | THURSTON COUNTY Black Lake area SE $\frac{1}{4}$ sec. 20, (18-2W) |
| 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 Marblemount, Wash. Current production | Talc, soapstone | SKAGIT COUNTY Marblemount area 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. 10728 Bothell Way Seattle 55, Wash. Current production | Sandstone | KING COUNTY Preston area NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 21, (24-7E) |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|---|---|--|
| SOAP LAKE Several resorts, sanitariums, and hotels operating | Mineral water containing sodium salts, principally carbonates | GRANT COUNTY Secs. 12, 13, 24, (22-26E) Secs. 18, 19, (22-27E) |
| SOL DUC HOT SPRINGS W. C. Abel, owner Box 419, Hoquiam, Wash. Current production | Mineral water | CLALLAM COUNTY Lake Crescent area NW $\frac{1}{4}$ sec. 32, (29-9W) |
| SORENSEN'S LANDSCAPE & ROCK SUPPLY CO. Aksel Sorensen, lessee 4051 N. E. Columbia Blvd. Portland 12, Oreg. Recent production at Red Rock quarry | Wall and rockery stone | CLARK COUNTY Camas area Secs. 8, 9, (1-3E) |
| SORLIE, ARNE Route 1 Chelan, Wash. Current production | Pumice | CHELAN COUNTY Near Twentyfive Mile Creek Sec. 9, (28-21E) |
| STILLWELL CONSTRUCTION CO. J. F. Stillwell 919 Horton St. Seattle 4, Wash. Intermittent 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, rockery stone | SNOHOMISH COUNTY Monroe area E $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 10, (27-6E) |
| Gate quarry | Riprap | THURSTON COUNTY Gate area SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26, (16-4W) |
| SWARTZ, LEE C., CONCRETE PRODUCTS (See Lee C. Swartz Concrete Products) | | |
| SWAUK FLAG ROCK, INC. Ollie Jordin, owner Rt. 2 Cle Elum, Wash. Current production at Black Diamond | Flag rock (sandstone) | KITTITAS COUNTY Swauk district Sec. 27, (21-17E) |
| (continued on following page) | | |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|--|--|---|
| SWAUK FLAG ROCK, INC. (continued from preceding page) | | |
| Cougar Gulch pit | | Swauk district Sec. 36, (21-17E) |
| TEEL BROS. CONTRACTORS Carl Teel Rt. 2, Box 894-B Bremerton, Wash. Current production at: | | |
| Camp Union quarry | Riprap, landscape rock (granite) | KITSAP COUNTY Camp Union area NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 8, (24-1W) |
| Sunnyslope bog | Peat | Sunnyslope area NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7, (23-1E) |
| (See also: Teel Bros. Contractor's under Sand and Gravel Operations.) | | |
| TONO COAL CO. Ernest Barber Fred Martin Rt. 1, Box 398 Centralia, Wash. Current production at Tono mine | | |
| | Coal | THURSTON COUNTY Tono area SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 20, (15-1W) |
| TUBBS, Wm. Glenwood, Wash. Limited production | | |
| | Scoria | KLICKITAT COUNTY Laurel area NE $\frac{1}{4}$ sec. 10, (5-11E) |
| TWIN SISTERS MAGNESIUM AND CHROME CORPORATION Alwyn H. Wild, Pres. 1101 Terminal Sales Bldg. Seattle 1, Wash. Current development (See also: Twin Sisters Magnesium and Chrome Corporation under Metallic Mining Operations.) | | |
| | Olivine | SKAGIT COUNTY Twin Sisters Mountains Secs. 3, 4, (36-7E) |
| WALKER CUT STONE CO., INC. Albert S. Kerry, Pres. P. O. Box 68 Wilkeson, Wash. Current production at Wilkeson quarry | | |
| | Building stone, split face ashlar (sandstone) | PIERCE COUNTY At Wilkeson Sec. 27, (19-6E) |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|---|---------------------------------------|---|
| WASHINGTON NATURAL PRODUCTS CO. E. A. Note, Pres. Harry Note, Vice Pres. Box 391 Seattle, Wash. William D. Booher, pit owner Omak, Wash. Processing plant at Riverside. Intermittent production at Booher pit | Marl | OKANOGAN COUNTY Riverside area Sec. 3, (35-26E) |
| WASHINGTON NON-METALLICS, INC. W. McBay, Vice Pres. P. O. Box 22 Chewelah, Wash. Lease and own various properties in Chewelah area. Current production at: | Terrazzo chips, stucco, roofing chips | STEVENS COUNTY Chewelah district |
| Canadian white quarry | Marble | Sec. 18, (32-41E) |
| Cream-bottechino quarry | Marble | Sec. 15, (32-40E) |
| Keystone quarry | Serpentine | Secs. 8, 9, (31-39E) |
| Keystone supplement quarry | Serpentine | Sec. 13, (31-40E) |
| 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) |
| Snow-white quarry | Marble | Secs. 26, 27, 34, 35, (34-38E) |
| Yellow quarry | Marble | Sec. 35, (33-40E) |
| WASHINGTON POTTERY CO. K. E. Wilson, owner 809 Snoqualmie St. Seattle 8, Wash. Current production | Pottery | KING COUNTY At Seattle 9th and Lane Sts. |
| WEAVER'S PRODUCTS W. E. Weaver 165th and Meridian Seattle 33, Wash. Current production | Peat moss | KING COUNTY North Seattle Pit at same address |
| WENATCHEE BRICK & TILE CO. R. M. Bird, Pres. Box 265, Wenatchee, Wash. Current production | Brick, tile | CHELAN COUNTY At Wenatchee 9th and Pierre Sts. |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|---|---------------------------|---|
| WESTERN VENTURES, INC. J. H. M. Greenwood, Pres. W. Randolph Green, V. P.- Treas. 3414 W. Euclid Ave. Spokane 14, Wash. Current production | Diatomite | KITTITAS COUNTY Badger Pocket area Secs. 8, 9, 15, (15-20E) |
| WHITE PASS MINE Paul Jungert 2902 Nob Hill Blvd. Yakima, Wash. Phil Jungert Lewiston, Idaho Current development | Building stone | YAKIMA COUNTY White Pass area at Dog Lake |
| WILDE CO. Geo. H. Wilde, Jr. 6103 N. E. Dimick Rd. Vancouver, Wash. Current production | Molding sand, brick | CLARK COUNTY N. E. of Vancouver SE $\frac{1}{4}$ sec. 7, (2-2E) |
| C. V. WILDER CO. 1840 State St. Bellingham 11, Wash. Current production at Chuckanut quarry (See also: C. V. Wilder Co. under Sand and Gravel Operations.) | Riprap | SKAGIT COUNTY Blanchard area Sec. 16, (36-3E) |

SAND AND GRAVEL OPERATIONS

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|--|---|---|
| ACE PAVING CO. Vernon Clauson and S. O. Christopherson Route 2, Box 56 Bremerton, Wash. Current production | Gravel, crushed rock | KITSAP COUNTY Bremerton area SE $\frac{1}{4}$ sec. 16, (24-1E) |
| ACE SAND & GRAVEL CO., INC. Lloyd J. Borjessan, Pres. 302 N. Park Rd. (P. O. Box 27) Spokane, Wash. Current production | Sand, gravel | SPOKANE COUNTY Pit at same address |
| ACME CONCRETE CO. F. H. Drollinger, owner E. 700 Trent Ave. Spokane 2, Wash. Current production at Irvin pit | Sand, gravel | SPOKANE COUNTY E. 12000 Trent Ave. Spokane |
| ARLINGTON SAND & GRAVEL CO. V. M. 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 2508 Colby Everett, Wash. Current production at: | Sand, gravel, crushed rock | |
| Butler pit | | SKAGIT COUNTY Burlington area Secs. 8, 9, (35-4E) |
| Baker pit | | Concrete area Secs. 5, 6, 7, 18, (36-9E) Secs. 12, 13, 24, (36-8E) |
| Norgaard pit | | Conway area NW $\frac{1}{4}$ NE $\frac{1}{4}$ and NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, (32-4E) |

(continued on following page)

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|--|------------------|---|
| ASSOCIATED SAND & GRAVEL CO. (continued from preceding page) | | |
| Pope & Talbot pit | | SNOHOMISH COUNTY Everett area E $\frac{1}{2}$ sec. 1, (28-4E) |
| Roselli pit | | Monroe area SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 24, (27-6E) |
| B-D SAND & GRAVEL CO. Earl E. Woodruff, owner Rt. 3, Box 5 Vancouver, Wash. Current production | Sand | CLARK COUNTY On W. River road SE $\frac{1}{4}$ sec. 20, (2-1E) |
| BASIN REDI-MIX Ernie Pollart, operator Beverly, Wash. Current production | Sand, gravel | GRANT COUNTY Smyrna area NW $\frac{1}{4}$ sec. 34, (16-25E) |
| BEATY, A. H. 417 Quincy St. (Box 25) South Bend, Wash. Current production (See also: Beaty, A. H., under Nonmetallic Mining Operations.) | Crushed stone | PACIFIC COUNTY Raymond area NE $\frac{1}{4}$ sec. 23, (14-9W) |
| BEAVERS, C. H. Box 553 Monroe, Wash. Current production at Monroe pit | Sand, gravel | SNOHOMISH COUNTY Sec. 36, (28-6E) |
| BEITZ BROS. Vernon and Alfred Beitz, owners Route 1 Oroville, Wash. Current production | Sand, gravel | OKANOGAN COUNTY Lake Osoyoos area W $\frac{1}{2}$ sec. 16, (40-27E) |
| BELFAIR SAND & GRAVEL, INC. Frank Chance, Pres. R. F. D. Belfair, Wash. Current production | Sand, gravel | MASON COUNTY Belfair area S $\frac{1}{2}$ sec. 30, (23-1W) |
| BERLIN, EDDIE Star Route Toledo, Wash. Limited production | Pit gravel | LEWIS COUNTY Toledo area SE $\frac{1}{4}$ sec. 8, (11-1W) |
| BJERKAKER, VERNON Route 3 Arlington, Wash. Current production | Sand, gravel | SNOHOMISH COUNTY In Arlington E $\frac{1}{2}$ sec. 2, (31-5E) |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|--|---------------------------------|--|
| 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) |
| BLAKE SAND AND GRAVEL Charles E. Blake Route 2 Sequim, Wash. Current production | Sand, gravel | CLALLAM COUNTY Sequim area Sec. 3, (30-4W) Sec. 34, (31-4W) |
| 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) |
| BUILDER'S SAND AND GRAVEL CO. Oskar Wathne and others 18407 Beverly Park Rd. Edmonds, Wash. Current production | Sand, gravel | SNOHOMISH COUNTY Pit at same address |
| CADMAN GRAVEL CO. T. W. Magnussen, Pres. Helen Q. Magnussen, Secy. Redmond, Wash. Current production | Sand, gravel, crushed rock | KING COUNTY Redmond area SW $\frac{1}{4}$ sec. 6, (25-6E) |
| CAMAS SAND & GRAVEL CO. Max Schmid, owner 345 Wheeler St. Camas, Wash. Limited production | Gravel | CLARK COUNTY Washougal area NW $\frac{1}{4}$ sec. 24, (1-4E) |
| CAMPBELL, GEO. L. Box 6 Forks, Wash. Current production | Sand, gravel | CLALLAM COUNTY Forks area Sec. 9, (28-13W) |
| CARBON BROTHERS QUARRY Pete and Carl Carbon N. 3430 Cook St. Spokane, Wash. Current production (See also: Carbon Brothers Quarry under Nonmetallic Mining Operations.) | Crushed basalt | SPOKANE COUNTY Spokane area NE. corner of Geiger Field |
| CASTLE ROCK SAND & GRAVEL CO. Orval Howard Route 1 Castle Rock, Wash. Limited production | Gravel | COWLITZ COUNTY Castle Rock area Sec. 2, (9-2W) |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|--|--------------------------------|---|
| CHELAN CONCRETE CO. Ole Sandum Chelan, Wash. Current production | Sand, gravel | CHELAN COUNTY Chelan area SW $\frac{1}{4}$ sec. 12, (27-22E) |
| CHRISTOE SAND & GRAVEL E. E. Christoe, owner Langley, Wash. Current production | Sand, gravel, crushed rock | ISLAND COUNTY Saratoga area Sec. 19, (30-3E) |
| CLEARVIEW SAND & GRAVEL CO. Albert, Charles, and Leonard Larson, and Wesley Farmer, owners 7407 212th S. W. Edmonds, Wash. Current production | Sand, gravel | SNOHOMISH COUNTY Near Maltby Sec. 18, (27-6E) |
| CLOQUALLUM SAND & GRAVEL F. A. Carlstrom Lost Lake Route, Box 2 Elma, Wash. Current production | Sand, gravel | GRAYS HARBOR COUNTY Elma area NW $\frac{1}{4}$ sec. 30, (18-5W) |
| COLUMBIA CONCRETE PIPE CO. A. B. Metcalf, Pres. J. R. Sherman, Vice Pres. Foot of 9th St. Box 427 Wenatchee, Wash. Current production at: Columbia pit Okanogan pit | Sand, gravel, crushed stone | CHELAN COUNTY NW $\frac{1}{4}$ sec. 22, (23-20E) 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: Chewelah pit (continued on following page) | Sand, gravel | STEVENS COUNTY Chewelah area Sec. 7, (32-41E) |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|---|-------------------------------|---|
| COLVILLE VALLEY CONCRETE CO. (continued from preceding page) | | |
| 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.) | | |
| *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 | WHATCOM COUNTY Cedarville area Sec. 28, (39-4E) |
| 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, gravel | N. 8500 Crestline 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. 809 S. Broadway Yakima, Wash. Current production | Sand, gravel, crushed rock | 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 | Smyrna area Sec. 20, (16-26E) |

* 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> |
|---|---------------------------------|---|
| 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 | 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 1201) Ephrata, Wash. Current production at: | | |
| Gravel pit | Sand, gravel | GRANT COUNTY Ephrata area NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 22, (21-26E) |
| Sand pit | Sand | Soap Lake area SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, (22-26E) |
| EL MONTE LUMBER AND FUEL CO. Robert M. Slettedahl, Pres. Elma, Wash. Current production | Sand, gravel | GRAYS HARBOR COUNTY Elma area SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 4, (17-6W) |
| L. D. FAIRFIELD CONSTRUCTION CO. 6612 Fleming Rd. Everett, Wash. Current production | Sand, gravel, crushed rock | SNOHOMISH COUNTY Everett area Amanda pit |
| FOLEY READY-MIX CO. 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) |
| FOWLER ASPHALT PAVING CO. G. W. Fowler, owner 711 Second St. Mount Vernon, Wash. Current production | Sand, gravel | SKAGIT COUNTY Burlington area NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, (35-4E) |
| 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 stone | 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> |
|---|-------------------------------|--|
| GLACIER SAND & GRAVEL CO. Henry J. Kaiser, 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) |
| GOODMAN, KERMIT 615 W. 12th Port Angeles, Wash. Current production | Sand, gravel, crushed rock | CLALLAM COUNTY Morse Creek area NW $\frac{1}{4}$ sec. 8, (30-5W) |
| GRAHAM & MORRIS CONSTRUCTION CO. 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, crushed rock | MASON COUNTY Shelton area Secs. 13, 24, (20-4W) |
| THE GREEN CO. H. F. Green, G. B. Seebeck, and Len G. Melville, owners 119 N. Post St. Spokane 1, Wash. Current production | Crushed rock | SPOKANE COUNTY Spokane area Sec. 32, (26-42E) |
| GREEN'S SAND CO. Bernard Green, Supt. N. 7618 Smith St. Spokane 51, Wash. Current production | Sand | SPOKANE COUNTY Pit at Hillyard and Mead, off Market St. |
| HAGARA & SNELL Michael Hagara, Pres. 1107 North "E" St. Aberdeen, Wash. Current production at: Aberdeen pit | Sand, gravel | GRAYS HARBOR COUNTY Aberdeen area SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16, (17-9W) |
| Junction City pit | Sand, gravel | Junction City area S $\frac{1}{2}$ sec. 11, (17-9W) |
| Montesano pit | Sand, gravel, crushed rock | Montesano area NW $\frac{1}{4}$ sec. 2, (17-8W) |
| HAGLUND, ALLIE J. P. O. Box 153 East Stanwood, Wash. Current production | Sand, gravel | SNOHOMISH COUNTY In East Stanwood Sec. 19, (32-4E) |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|--|---------------------------------|---|
| HAMMOND, A. W. South Bend, Wash. Intermittent production at: | | |
| Hoquiam pit | Sand | GRAYS HARBOR COUNTY NE $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 7, (17-9W) |
| Raymond quarry | Crushed stone | PACIFIC COUNTY Center sec. 23, (14-9W) |
| (See also: Hammond, A. W., under Nonmetallic Mining Operations.) | | |
| HANSON, ROY V. 519 5th Ave. Lewiston, Idaho Limited production | Crushed rock | WHITMAN COUNTY Garrison area Center S $\frac{1}{2}$ sec. 31, (15-46E) |
| THE HARRISON BROTHERS CO. J. A. Harrison, Pres. J. M. Harrison, Vice Pres. 225 Wakefield Dr. Tacoma 2, Wash. Current production at Phillips pit | Sand, gravel, crushed rock | PIERCE COUNTY Lakeview area NE $\frac{1}{2}$ sec. 1, (19-2E) |
| HILL TOP GRAVEL CO. V. B. Greeley, owner 2102 19th Ave. S. E. Puyallup, Wash. Current production | Sand, gravel, crushed gravel | PIERCE COUNTY Puyallup area SW $\frac{1}{4}$ sec. 35, (20-4E) |
| HOLMES BROTHERS Frank L. 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, A. M. Miller, and M. M. Nielson 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) |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|---|--------------------------------|--|
| INLAND ASPHALT CO. Geo. E. Swannack, Jr., Pres. P. O. Box 4116, Sta. B 10th and Havana Sts. Spokane 31, Wash. Current production | Crushed rock | SPOKANE COUNTY Quarry at same address |
| ISLAND SAND AND GRAVEL CO. Lloyd Otley, Mgr. Box 8 Bellingham, Wash. Current production | Sand, gravel | SAN JUAN COUNTY San Juan Island E $\frac{1}{2}$ S E $\frac{1}{2}$ SW $\frac{1}{4}$ sec. 13, (35-3W) |
| ISSAQUAH BUILDING MATERIALS, INC. Harold Jordan, Pres. P. O. Box 577 Issaquah, Wash. Current production | Sand, gravel | 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 CO. F. L. Jones, Pres. Louis Pifer, Mgr. 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) |
| KAMPE SAND & GRAVEL 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, crushed stone | 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 stone | YAKIMA COUNTY NE $\frac{1}{4}$ sec. 35, (9-23E) |
| KERBY & SONS Rt. 2, Box 222 Toppenish, Wash. Current production | Sand, gravel | YAKIMA COUNTY NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 35, (11-20E) |
| KIRKLAND SAND & GRAVEL CO. Lyle Stubenrauch and 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. Route 7, Box 225 Vancouver, Wash. Current production | Sand, gravel, crushed gravel | CLARK COUNTY Salmon Creek area SW $\frac{1}{4}$ sec. 26, (3-1E) |
| KLINKER SAND & GRAVEL CO. J. C. Klinker, Pres. Charles R. Hartman, Secy.-Treas. 6500 W. Marginal Way Seattle 6, Wash. Current production | Sand, gravel, crushed gravel | KING COUNTY Lot 3, Block 1, Melville Barth Addition, Seattle |
| LAKE CITY GRAVEL & MATERIALS, INC. Frank G. Upjohn, Pres. 10728 Bothell Way 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) |
| LAYRITE CONCRETE PRODUCTS OF KENNEWICK, INC. R. W. Ross, Pres. Box 206, Kennewick, Wash. Current production | Sand, gravel | BENTON COUNTY Kennewick area NW $\frac{1}{4}$ sec. 8, (8-30E) |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|--|------------------------------|---|
| 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) |
| LEVANEN & KARVONEN Rt. 7, Box 343 Vancouver, Wash. Current production | Crushed and pit gravel | CLARK COUNTY Vancouver area NW $\frac{1}{4}$ sec. 11, (2-1E) |
| LEVOLD, ERNEST 1509 Irving Ave. Sunnyside, Wash. Current production | Crushed rock | YAKIMA COUNTY Sulphur Creek area NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 17, (10-23E) |
| LEWISTON PRE-MIX CONCRETE, INC. Stanley Lafrenz, Pres. Box 646 Lewiston, Idaho Current production at Clarkston pit | Sand, gravel | ASOTIN COUNTY Clarkston area SE $\frac{1}{4}$ sec. 28, (11-46E) |
| 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. 515 Grade St. Kelso, Wash. Limited production | Sand, gravel, crushed gravel | COWLITZ COUNTY On Mount Brynion 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. 1309 29th St. Anacortes, Wash. Current production | Sand, gravel, crushed rock | SKAGIT COUNTY Anacortes area Sec. 24, (35-1E) |
| MATCHETT & PANCO John Panco Box 122 Packwood, Wash. Intermittent production | Sand, gravel, crushed rock | LEWIS COUNTY Packwood area NE $\frac{1}{4}$ sec. 1, (13-9E) |

| <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) |
| MATERNE SAND CO. Al. and Val. Materne, owners W. 330 Buckeye Ave. Spokane 17, Wash. Current production | Sand | SPOKANE COUNTY Pit at Cedar and Francis Sts., Spokane |
| MATHESON SAND & GRAVEL CO. Harold W. Matheson, owner Box 167 Pasco, Wash. Current production | Sand, gravel | BENTON COUNTY Near Kennewick Sec. 6, (8-30E) |
| MEADE SAND & GRAVEL CO. Archie Meade, owner Box 281 Midway, Wash. Current production | Sand, gravel, crushed rock | KING COUNTY 24800 Pacific Hwy. S. NW $\frac{1}{2}$ SE $\frac{1}{4}$ sec. 28, (22-4E) |
| 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) |
| MILLER, ELDON L. Rt. 2, Box 51 Mount Vernon, Wash. Current production | Pit sand, 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) |
| MOUNT VERNON SAND & GRAVEL CO., INC. A. R. Kinney, Mgr. First and Fir Sts. Mount Vernon, Wash. Current production at: Whidbey pit Samish pit | Sand, gravel | ISLAND COUNTY Oak Harbor area NW $\frac{1}{4}$ sec. 26, (33-1E) SKAGIT COUNTY Samish area SE $\frac{1}{4}$ sec. 6, (35-4E) |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|---|--------------------------------|---|
| MULKA GRAVEL CO. Victor Mulka 805 12th St. Bellingham, Wash. Current production at Bakerview pit | Gravel | WHATCOM COUNTY Bellingham area SE $\frac{1}{2}$ 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 $\frac{1}{2}$ sec. 31, (24-4E) |
| NASELLE ROCK COMPANY Martin S. Wirkkala, owner Naselle, Wash. Current production | Aggregate, crushed rock | PACIFIC COUNTY Near Naselle Center W $\frac{1}{2}$ sec. 3, (10-9W) |
| NICKOLS, DEE, & SONS (See Dee Nickols & Sons.) | | |
| NORTH KITSAP GRAVEL & ASPHALT CO. Oliver Lanning, Pres. Route 2, Box 722-A Poulsbo, Wash. Current production | Sand, gravel, crushed rock | KITSAP COUNTY Lofall area Sec. 9, (26-1E) |
| NORTHLAKE SAND & GRAVEL CO. Gordon F. Wheeler P. O. Box 217 Kenmore, Wash. Current production | Sand, gravel | KING COUNTY Kenmore area At 68th N. E. and N. E. 183rd, Seattle SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 1, (26-5E) |
| NYLIN, RALPH Route 4 Mount Vernon, Wash. Intermittent production | Gravel, pit sand | SKAGIT COUNTY Mount Vernon area NW $\frac{1}{4}$ sec. 34, (34-4E) |
| OLSON, ELMER E., INC. (See Elmer E. Olson, Inc.) | | |
| OTTO & ROSS GRAVEL CO. John R. Otto G. E. Ross 313 State St. Marysville, Wash. Current production | Sand, gravel | SNOHOMISH COUNTY Marysville area NE $\frac{1}{4}$ sec. 14, (30-5E) |
| PACIFIC SAND & GRAVEL CO. R. P. Coluccio, Pres. Box 628 Centralia, Wash. Current production at: | | |
| Blakeslee Junction pit (continued on following page) | Sand, gravel, crushed stone | LEWIS COUNTY S $\frac{1}{2}$ sec. 31, (15-2W) |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|--|---------------------------------|--|
| PACIFIC SAND & GRAVEL CO. (continued from preceding page) | | |
| Waunchs Prairie pit | Sand, gravel | S $\frac{1}{2}$ sec. 32, (15-2W) |
| PARTEN & ROBBINS Box 35, Naches, Wash. Current production | Sand, gravel, crushed rock | YAKIMA COUNTY Naches area NW $\frac{1}{4}$ sec. 4, (14-17E) |
| PIONEER SAND & GRAVEL CO. Gordon N. Scott, Pres. 901 Fairview Ave. N. (P. O. Box 1881) Seattle 11, Wash. George D. Christensen, Gen. Supt. P. O. Box 158 South Tacoma 9, Wash. Current production | Sand, gravel, crushed gravel | PIERCE COUNTY Steilacoom area Secs. 20, 29, (20-2E) |
| PRE-MIX CONCRETE, INC. John W. Murphy, Pres. N. 110 Washington St. Kennewick, Wash. Current production at: | Sand, gravel, crushed rock | |
| Halfmoon Lake area | | ADAMS COUNTY NW $\frac{1}{4}$ sec. 7, (16-29E) |
| Richland area | | FRANKLIN COUNTY Sec. 12, (9-28E) |
| PRUDHON, RICHARD L. 123 2nd Street S. W. (Box 762) Soap Lake, Wash. Current production | Sand, gravel | GRANT COUNTY Soap Lake area Sec. 18, (22-27E) |
| PRYOR, WARREN S. Star Rt. Coulee Dam, Wash. Intermittent production | Gravel | OKANOGAN COUNTY Elmer City area Secs. 11, 15, (28-30E) |
| PUGET SOUND BRIDGE & DREDGING CO. H. W. McCurdy, Pres.- Gen. Mgr. 2929 16th Ave. S. W. Seattle, Wash. Harry L. DuBois, Mgr., Quarry Div. 12020 E. Marginal Way Seattle 88, Wash. Current production at Riverton quarry (See also: Puget Sound Bridge & Dredging Co. under Nonmetallic Mining Operations.) | Crushed rock | KING COUNTY Lot 7, Riverside Interurban tract Sec. 9, (23-4E) |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|---|-------------------------------|---|
| QUIGG BROS-McDONALD, INC. Charles O. Quigg, Mgr. 1500 Riverside Ave. Hoquiam, Wash. Current production at: Montesano pit | Sand, gravel | GRAYS HARBOR COUNTY Montesano area Sec. 18, (17-7W) Sec. 13, (17-8W) |
| Newskah quarry | Crushed rock | Newskah area W $\frac{1}{2}$ sec. 2, (16-9W) |
| RATHBUN, ALBERT E. Box 657 Newport, Wash. Current production | Sand, gravel | PEND OREILLE COUNTY Newport area Sec. 3, (31-45E) |
| RICH SAND & GRAVEL Arthur P. and Roy L. Rich Box 1156 Wenatchee, Wash. Current production | Sand, gravel, crushed rock | DOUGLAS COUNTY Rock Island area Sec. 20, (22-21E) |
| RICHLAND CONCRETE CO. Marlin, Wayne, and Glenn Curtis N. 1401 Fancher Way (P. O. Box 106) Spokane, Wash. Current production | Sand, gravel | BENTON COUNTY Richland area NW $\frac{1}{4}$ sec. 15, (9-28E) |
| ROBB, ROY Rt. 5 Arlington, Wash. Current production | Crushed pit gravel | SNOHOMISH COUNTY Arlington area S $\frac{1}{2}$ sec. 11, (31-5E) |
| ROBERT PETERSON CONSTRUCTION CO. Box 227 Port Blakely Route, Wash. Intermittent production | Pit gravel | KITSAP COUNTY Bainbridge Island NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 9, (25-2E) |
| ROCK PRODUCTS, INC. H. R. Ward, Pres. Leighton Blake, Mgr. Box 845, Camas, Wash. Plant at 1635 S. E. 6th Ave. Camas, Wash. Current production | Sand, gravel, crushed rock | CLARK COUNTY 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) |
| SCHRIER, R. D. Twisp, Wash. Current production | Sand, gravel, crushed rock | OKANOGAN COUNTY Twisp area NE $\frac{1}{4}$ sec. 7, (33-22E) |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|---|---------------------------------|--|
| SCOTT, WALTER, JR. Rt. 2, Box 457 Belfair, Wash. Intermittent production | Sand, gravel | MASON COUNTY Belfair area SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 2, (22-2W) |
| SCRUPPS, J. E. Box 166 Odessa, Wash. Current production at: | | |
| Gravel pit | Gravel | LINCOLN COUNTY Odessa area NE $\frac{1}{4}$ sec. 5, (21-33E) |
| Sand pit | Sand | East of Odessa NW $\frac{1}{4}$ sec. 14, (21-33E) |
| SEARS, VIVIEN Rt. 1, Box 84 Mabton, Wash. Intermittent production | Sand | YAKIMA COUNTY Near Mabton SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 13, (9-22E) |
| SJOBOEN BROS. B. T. Sjoboen E. O. Sjoboen 3205 Hoadly Road Olympia, Wash. Current production | Sand, gravel, crushed rock | THURSTON COUNTY Deschutes River pit NE $\frac{1}{4}$ sec. 11, (17-2W) |
| SKAGIT SAND & GRAVEL Mailand Frank and Harvey Prutzman Rt. 3, Box 298 Mount Vernon, Wash. Current production | Sand | SKAGIT COUNTY Near Mount Vernon Riverside pit |
| SMITH BROS. Leslie and Calvin Smith P. O. Box 92 Battle Ground, Wash. Current production | Sand, 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) |
| 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 |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|--|--|---|
| SOLEDUCK SAND & GRAVEL Alan Atwood and Charles Marshall Box 673 Forks, Wash. Current production | Sand, gravel | CLALLAM COUNTY Forks area SW $\frac{1}{4}$ sec. 28, (29-13W) |
| SORENSEN GRAVEL CO. Nels Sorenson Box 455 Toledo, Wash. Current production | Crushed ballast, crushed rock | LEWIS COUNTY Toledo area Sec. 16, (11-1W) |
| THE SOUTH KITSAP GRAVEL CO. Ralph H. Kingsbury, owner Rt. 2, Box 360-C Port Orchard, Wash. Current production | Sand, gravel | KITSAP COUNTY Horseshoe Lake area NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, (22-1E) |
| SPOKANE SAND & GRAVEL CO. E. 700 Trent Ave. Spokane 2, Wash. Current production | Sand, gravel | SPOKANE COUNTY Pits at Irvin, Mead, and Riblett |
| SPURGEON & SONS C. R. Spurgeon, owner Box 1156 Quincy, Wash. Current production | Sand, gravel, crushed rock | GRANT COUNTY Winchester area Sec. 16, (20-25E) |
| STERGION CONCRETE PRODUCTS Chris Stergion, owner 901 Stevenson Enumclaw, Wash. Current production | Sand, gravel | KING COUNTY Enumclaw area East end S. E. 440th St. |
| STILES, E. H. Route 1 Everett, Wash. Limited production | Sand, gravel | SNOHOMISH COUNTY NE, of Everett NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 11, (29-5E) |
| 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 Nooksack area NW $\frac{1}{4}$ sec. 21, (40-4E) |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|--|---------------------------------|--|
| SUPERIOR CONCRETE PRODUCTS Harvey Hammond, lessee 6909 Tieton Drive Yakima, Wash. L. L. Buchanan, owner 115 W. "D" St. Yakima, Wash. Current production | Sand, gravel, crushed rock | YAKIMA COUNTY Yakima area Sec. 20, (13-19E) Pit at 2000 E. Beech |
| SUTTER'S GRAVEL Louis Sutter R. F. D. 1, Box 4491 Issaquah, Wash. Intermittent production | Gravel | KING COUNTY Issaquah area SE $\frac{1}{4}$ sec. 21, (24-6E) |
| SWANO EXCAVATING CO. South end of Lewis St. Box 432 Aberdeen, Wash. Current production | Sand, gravel | GRAYS HARBOR COUNTY Aberdeen area SW $\frac{1}{4}$ sec. 15, (17-9W) |
| SWARTZ, LEE C., CONCRETE PRODUCTS (See Lee C. Swartz Concrete Products.) | | |
| TEEL BROS. CONTRACTORS Carl Teel Rt. 2, Box 894-B Bremerton, Wash. Current production at: Bremerton pit | Gravel | KITSAP COUNTY Bremerton area SE $\frac{1}{4}$ sec. 16, (24-1E) |
| Kitsap Lake pit (See also: Teel Bros. Contractors under Nonmetallic Mining Operations.) | | Kitsap Lake area SE $\frac{1}{4}$ sec. 17, (24-1E) |
| THOMPSON, JOHN Rt. 1, River Bend Farm Granger, Wash. Intermittent production | Sand, gravel | YAKIMA COUNTY Granger area E $\frac{1}{2}$ sec. 17, (10-21E) |
| THOMPSON, STANLEY Goldendale, Wash. Current production | Crushed rock | KLICKITAT COUNTY Goldendale area SE $\frac{1}{4}$ sec. 16, (4-16E) |
| THORNTON SAND & GRAVEL Charles C. Thornton, operator Bridgeport, Wash. Current production at: Bridgeport pit | Sand, gravel, crushed rock | DOUGLAS COUNTY Bridgeport area NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 35, (29-25E) |
| Mattawa pit | Sand, gravel, crushed gravel | GRANT COUNTY Mattawa area NE $\frac{1}{4}$ sec. 2, (14-23E) |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|--|--------------------------------|--|
| TIM CORLISS & SON Rt. 1, Box 139 Sumner, Wash. Current production | Sand, gravel, crushed rock | PIERCE COUNTY Sumner area SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 20, (20-5E) |
| TOBIN SAND & GRAVEL Francis J. Tobin, owner 3201 Lincoln Ave. Yakima, Wash. Current production | Sand, gravel, 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) |
| UNION SAND & GRAVEL CO. W. M. Murphy and John Murphy, partners N. 805 Division St. Spokane 2, Wash. Current production at: | | |
| Fort George Wright (No. 1) pit | Sand, gravel, crushed stone | SPOKANE COUNTY On Government Way |
| Mead pit | Fine sand | One mile north of Hillyard |
| Yardley (No. 2) pit | Sand, gravel, crushed stone | At Broadway and Havana |
| UNITED PAVING CO., INC. Charles Mills H. P. Howard Rt. 4, Box 150 Spokane, Wash. Current production at: | | |
| Geiger quarry | Crushed rock, gravel | SPOKANE COUNTY 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 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) |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|--|-------------------------------|--|
| VALLEY SAND AND GRAVEL, INC. Archie Meade, Pres. William Burns, Vice Pres. 10140 S. 356th Auburn, Wash. Current production | Sand, gravel, crushed rock | KING COUNTY Auburn area NW $\frac{1}{4}$ sec. 29, (21-5E) |
| VERBECK BROS. 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 |
| WATTERMANN, RUSS Ilwaco, Wash. Current production | Sand | PACIFIC COUNTY Long Beach area Ocean beaches |
| WESTERN SAND & GRAVEL CO. Paul Smith, owner Route 1, Box 449-A Kent, Wash. Current production | Sand, 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 Rt. 1, Box 459 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 Bellingham pit (See also: C. V. Wilder Co. under Nonmetallic Mining Operations.) | Sand, gravel, crushed rock | WHATCOM COUNTY Bellingham area SE $\frac{1}{4}$ sec. 19, SW $\frac{1}{4}$ sec. 20, (39-3E) |

| <u>NAME OF OPERATION</u> | <u>PRODUCT</u> | <u>PROPERTY LOCATION</u> |
|--|---------------------------------|--|
| WILLAPA HARBOR QUARRIES, INC. A. Milne, Pres. 819 Ocean Ave. (P. O. Box 709) Raymond, Wash. Current production at: | Crushed rock | |
| Narrows quarry | | PACIFIC COUNTY N $\frac{1}{2}$ sec. 27, (14-9W) |
| South Bend quarry | | SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 32, (14-9W) |
| 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 Richard Norelius 854 CC St. Woodland, Wash. Douglas Ave 16241 S. E. Mill Portland, Oreg. Rex Farner 4304 N. E. Hassalo Portland, Oreg. Current production | Sand, gravel, crushed gravel | COWLITZ COUNTY Woodland area N $\frac{1}{2}$ sec. 10, (5-1E) |
| WOODWORTH & CO., INC. J. A. Woodworth, Pres. G. L. Falskow, V. P.-Treas. 1200 East "D" St. Tacoma, Wash. Current production at: | Sand, gravel | |
| Hylebus pit | | PIERCE COUNTY Sec. 25, (21-3E) |
| Lakeview Park pit | | Lakeview Park |
| YAKIMA CEMENT PRODUCTS CO. J. R. Sherman, Pres.-Gen. Mgr. 1202 S. First St. (P. O. Box 436) Yakima, Wash. Current production at: | | |
| Grandview pit | Sand | YAKIMA COUNTY NW $\frac{1}{4}$ sec. 34, (9-23E) |
| Grandview quarry | Sand | SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 20, (9-23E) |
| Yakima pit | Sand, gravel, crushed gravel | SE $\frac{1}{4}$ sec. 31, (14-19E) |

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

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Abbreviations used:

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

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|----------------|-------------------------------|-------------|
| Stone | General Construction Co. | 20 |

| <u>Location</u> | <u>Sand and Gravel Operation</u> | <u>Page</u> |
|------------------|----------------------------------|-------------|
| Port Ludlow area | General Construction Co. | 39 |

KING COUNTY

| <u>Product</u> | <u>Metallic Operations</u> | <u>Page</u> |
|----------------|--------------------------------------|-------------|
| Au Ag Cu | Anaconda Co. | 7 |
| Ag Cu | Devil's Canyon Mining Co., Inc. | 9 |
| Mo W | Washington Mining Corp. | 15 |
| Hg | | |

| <u>Product</u> | <u>Nonmetallic Operations</u> | <u>Page</u> |
|----------------|-------------------------------------|-------------|
| Clay and | Abrahamson Brick Co. | 16 |
| clay products | Adderson, J. G. | 16 |
| " | Builder's Brick Co. | 18 |
| " | Cavanaugh Molding Sand Co. | 18 |
| " | Gladding, McBean & Co. | 20 |
| " | Ideal Cement Co. | 22 |
| " | Lone Star Cement Corp. | 24 |
| " | Seattle Brick & Tile Co., Inc. | 29 |
| " | Stillwell Construction Co. | 30 |
| " | Washington Pottery Co. | 32 |
| Coal | B & R Coal Co. | 16 |
| " | Draghi, Louis | 19 |
| " | Palmer Coking Coal Co., Inc. | 27, 28 |

KING COUNTY (continued)

| <u>Product</u> | <u>Nonmetallic Operations (continued)</u> | <u>Page</u> |
|-----------------|---|-------------|
| Molding sand | Cavanaugh Molding Sand Co. | 18 |
| Peat | Arbor Lake Humus Co. | 16 |
| " | Arrow Lake Humus Co. | 16 |
| " | Bow Lake Humus Co. | 17 |
| " | Carlson, Eric E. | 18 |
| " | Federal Way Humus Co. | 20 |
| " | Hord, R. S. | 22 |
| " | Plant Food Co. | 28 |
| " | Seola Humus Co. | 29 |
| " | Setzer, Max | 29 |
| " | Weaver's Products | 32 |
| Portland cement | Lone Star Cement Corp. | 24 |
| Sand-lime brick | Mutual Materials Co. | 26 |
| Silica sand | Smith Bros. Silica Sand Co. | 29 |
| Stone | Black River Quarry, Inc. | 17 |
| " | Hemphill Brothers, Inc. | 21 |
| " | Puget Sound Bridge & Dredging Co. | 28 |
| " | Snoqualmie Stone, Inc. | 29 |

| <u>Location</u> | <u>Sand and Gravel Operations</u> | |
|-------------------|--|----|
| Auburn area | Miles Co. | 45 |
| " " | Valley Sand and Gravel, Inc. | 53 |
| Enumclaw area | Stergion Concrete Products | 50 |
| " " | Tougaw & Olson | 52 |
| Issaquah area | Issaquah Building Materials, Inc. | 42 |
| " " | Lakeside Gravel Co., Inc. | 43 |
| " " | Sutter's Gravel | 51 |
| Kenmore area | Northlake Sand & Gravel Co. | 46 |
| Kirkland | Kirkland Sand & Gravel Co. | 43 |
| Maple Valley area | Western Sand & Gravel Co. | 53 |
| Midway | Meade Sand & Gravel Co. | 45 |
| Redmond area | Cadman Gravel Co. | 36 |
| Renton | Stoneway Sand & Gravel Co. | 50 |
| Seattle | Black River Quarry, Inc. | 36 |
| " | Klinker Sand & Gravel Co. | 43 |
| " | Mutual Materials Co. | 46 |
| " | Puget Sound Bridge & Dredging Co. | 47 |

KITSAP COUNTY

| <u>Product</u> | <u>Nonmetallic Operations</u> | |
|----------------|---------------------------------|----|
| Peat | Organic Plant Foods Supply | 27 |
| " | Teel Bros. Contractors | 31 |
| Stone | Bremerton Monument Co. | 17 |
| " | Pioneer Towing Co. | 28 |
| " | Teel Bros. Contractors | 31 |

| <u>Location</u> | <u>Sand and Gravel Operations</u> | |
|------------------|--|----|
| Bremerton area | Ace Paving Co. | 34 |
| " " | Teel Bros. Contractors | 51 |
| Kitsap Lake area | Teel Bros. Contractors | 51 |
| Lofall area | North Kitsap Gravel & Asphalt Co. | 46 |
| Port Blakely | Robert Peterson Construction Co. | 48 |
| Port Orchard | Morrison Gravel Co. | 45 |
| " " | The South Kitsap Gravel Co. | 50 |

KITTITAS COUNTY

| <u>Product</u> | <u>Metallic Operations</u> | <u>Page</u> |
|----------------|--------------------------------------|-------------|
| Au | Ace of Diamonds Mine | 6 |
| Au Cu Ni | Blue Bonnet | 7 |
| Au Ag Pb Zn | Cle Elum River Mining Co., Inc. | 8 |
| Au | Flag Mountain Mining Co., Inc. | 9 |
| Au | Mountain Daisy | 12 |
| Au | Western Placers, Inc. | 15 |

| <u>Product</u> | <u>Nonmetallic Operations</u> | |
|----------------|-----------------------------------|--------|
| Coal | Northern Pacific Railway Co. | 26 |
| " | Roslyn Cascade Coal Co. | 28 |
| Diatomite | Western Ventures, Inc. | 33 |
| Stone | Kirsch, J. Jack | 23 |
| " | Swauk Flag Rock, Inc. | 30, 31 |

| <u>Location</u> | <u>Sand and Gravel Operation</u> | |
|-----------------|--------------------------------------|----|
| Ellensburg area | Ellensburg Cement Products Inc. | 39 |

KLICKITAT COUNTY

| <u>Product</u> | <u>Nonmetallic Operations</u> | |
|----------------|-------------------------------|----|
| Carbon dioxide | Gas-Ice Corp. | 20 |
| Stone | Tubbs, Wm. | 31 |

| <u>Location</u> | <u>Sand and Gravel Operation</u> | |
|-----------------|----------------------------------|----|
| Goldendale area | Thompson, Stanley | 51 |

LEWIS COUNTY

| <u>Product</u> | <u>Metallic Operations</u> | |
|----------------|-----------------------------------|----|
| Au Cu | Eagle Peak Copper Mining Co. | 9 |
| Hg | Goldbel Mining Co. | 10 |
| Hg | Rainier Mining Co. | 13 |

| <u>Product</u> | <u>Nonmetallic Operations</u> | |
|------------------------|--------------------------------|----|
| Clay | Brown, Gordon J. | 17 |
| Clay and clay products | Chehalis Brick & Tile Co. | 19 |
| Coal | Black Prince Coal Co. | 17 |
| Mineral water | Ohanapecosh Hot Springs | 27 |

| <u>Location</u> | <u>Sand and Gravel Operations</u> | |
|-----------------|-----------------------------------|--------|
| Centralia | Pacific Sand & Gravel Co. | 46, 47 |
| Packwood area | Matchett & Panco | 44 |
| Toledo area | Berlin, Eddie | 35 |
| " " | Sorenson Gravel Co. | 50 |

LINCOLN COUNTY

| <u>Product</u> | | <u>Metallic Operation</u> | <u>Page</u> |
|-----------------|---|----------------------------------|-------------|
| Ag Cu Pb | W | Crystal City Mining Co. | 8 |
| | | | |
| <u>Location</u> | | <u>Sand and Gravel Operation</u> | |
| Odessa area | | Scruggs, J. E. | 49 |

MASON COUNTY

| <u>Location</u> | <u>Sand and Gravel Operations</u> | |
|-----------------|-------------------------------------|----|
| Belfair area | Belfair Sand & Gravel, Inc. | 35 |
| " " | Scott, Walter, Jr. | 49 |
| Shelton area | Graystone of Shelton | 40 |
| Shelton | John's Creek Sand & Gravel Co. | 42 |

OKANOGAN COUNTY

| <u>Product</u> | | <u>Metallic Operations</u> | |
|----------------|--|---------------------------------|----|
| Ag Cu Pb Zn | | Conconully Mines, Inc. | 8 |
| Au Ag Cu | | Lucky Jim Mine | 11 |
| Au Pb Zn | | Sherman Mining Co. | 14 |
| Au Ag Pb Zn | | Silver Mountain Mining Co. | 14 |
| Ag Cu Pb | | Sunny Peak Mining Co. | 14 |

| <u>Product</u> | <u>Nonmetallic Operations</u> | |
|----------------|--------------------------------------|----|
| Dolomite | Brown, N. W. L. | 17 |
| Epsom salts | Agro Minerals, Inc. | 16 |
| Gypsum sand | Agro Minerals, Inc. | 16 |
| Limestone | Mulligan, R. C. | 25 |
| Marl | Washington Natural Products Co. | 32 |
| Sodium sulfate | Kearney Chemical Co. | 23 |
| Terrazzo chips | Mulligan, R. C. | 25 |

| <u>Location</u> | <u>Sand and Gravel Operations</u> | |
|-------------------|-----------------------------------|----|
| Elmer City area | Pryor, W. S. | 47 |
| Okanogan | Columbia Concrete Pipe Co. | 37 |
| Oroville | Beitz Bros. | 35 |
| Osoyoos Lake area | Verbeck Bros. | 53 |
| Tonasket area | Verbeck Bros. | 53 |
| Twisp area | Schrier, R. D. | 48 |

PACIFIC COUNTY

| <u>Product</u> | <u>Nonmetallic Operations</u> | |
|----------------|-------------------------------|----|
| Stone | Beaty, A. H. | 17 |
| " | Hammond, A. W. | 21 |

PACIFIC COUNTY (continued)

| Location | Sand and Gravel Operations | Page |
|--------------|------------------------------------|------|
| Ilwaco | Watterman, Russ | 53 |
| Naselle | Naselle Rock Company | 46 |
| Raymond area | Beaty, A. H. | 35 |
| Raymond | Hammond, A. W. | 41 |
| " | Willapa Harbor Quarries, Inc. | 54 |
| South Bend | Willapa Harbor Quarries, Inc. | 54 |

PEND OREILLE COUNTY

| Product | Metallic Operations | |
|-------------|---|----|
| Ag Pb Zn | American Zinc, Lead & Smelting Co. | 6 |
| Pb Zn | LaSota Jones Co. | 11 |
| Ag Pb Zn | Pend Oreille Mines & Metals Co. | 13 |
| Au Ag Pb | Rocky Creek Mine | 13 |
| Au Ag Pb Zn | Utahcan, Inc. | 14 |

| Product | Nonmetallic Operations | |
|-----------------|---------------------------------|----|
| Limestone | Lehigh Portland Cement Co. | 24 |
| Portland cement | Lehigh Portland Cement Co. | 24 |
| Shale | Lehigh Portland Cement Co. | 24 |
| Silica | Lehigh Portland Cement Co. | 24 |

| Location | Sand and Gravel Operation | |
|--------------|---------------------------|----|
| Newport area | Rathbun, Albert E. | 48 |

PIERCE COUNTY

| Product | Nonmetallic Operations | |
|------------------------|---------------------------------|----|
| Clay and clay products | Builder's Brick Co. | 18 |
| Coal | Carbonado Coal Co. | 18 |
| " | P & L Coal Co. | 27 |
| Peat | McKay, Thomas A. | 25 |
| Stone | Hicks, C. B. | 21 |
| " | Walker Cut Stone Co., Inc. | 31 |

| Location | Sand and Gravel Operations | |
|-----------------|--------------------------------|----|
| Lakeview area | The Harrison Brothers Co. | 41 |
| Puyallup area | Hill Top Gravel Co. | 41 |
| Steilacoom area | Glacier Sand & Gravel Co. | 40 |
| " | Pioneer Sand & Gravel Co. | 47 |
| Sumner area | Tim Corliss & Son | 52 |
| Tacoma | Holroyd Co. | 41 |
| " | Woodworth & Co., Inc. | 54 |

SAN JUAN COUNTY

| <u>Product</u> | <u>Nonmetallic Operations</u> | <u>Page</u> |
|-----------------|----------------------------------|-------------|
| Limestone | Everett Lime Co. | 19 |
| Stone | General Construction Co. | 20 |
| | | |
| <u>Location</u> | <u>Sand and Gravel Operation</u> | |
| San Juan Island | Island Sand and Gravel Co. | 42 |

SKAGIT COUNTY

| <u>Product</u> | <u>Metallic Operations</u> | |
|----------------|---|----|
| | Industrial Mining, Inc. | 11 |
| | Twin Sisters Magnesium and Chrome Corporation | 14 |

| <u>Product</u> | <u>Nonmetallic Operations</u> | |
|----------------------------|---|----|
| Limestone | Lone Star Cement Corp. | 24 |
| Olivine | Northwest Olivine Co. | 26 |
| " | Twin Sisters Magnesium and Chrome Corporation | 31 |
| Portland cement | Lone Star Cement Corp. | 24 |
| Soapstone and talc | Northwest Talc & Magnesium Co. | 26 |
| " " " | Skagit Talc Products | 29 |
| " " " | Smith, Herman | 29 |
| Stone | Dunlap Towing Co. | 19 |
| " | C. V. Wilder Co. | 33 |
| Strontianite and celestite | Manufacturers Mineral Co. | 24 |

| <u>Location</u> | <u>Sand and Gravel Operations</u> | |
|-------------------|---|----|
| Anacortes area | Marine Asphalt Co., Inc. | 44 |
| Burlington area | Associated Sand & Gravel Co. | 34 |
| " " | Fowler Asphalt Paving Co. | 39 |
| Concrete area | Associated Sand & Gravel Co. | 34 |
| Conway area | Associated Sand & Gravel Co. | 34 |
| Mount Vernon area | Miller, Eldon L. | 45 |
| " " " | Nylin, Ralph | 46 |
| Mount Vernon | Skagit Sand & Gravel | 49 |
| Samish area | Mount Vernon Sand & Gravel Co., Inc. | 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 | 25 |
| " " | St. Martin's Mineral Hot Springs | 28 |
| Stone | Cascade Minerals, Inc. | 18 |

SNOHOMISH COUNTY

| <u>Product</u> | | <u>Metallic Operations</u> | <u>Page</u> |
|------------------------|------|--|-------------|
| Au Cu | Mo W | Bear Creek Mining Co. | 7 |
| Au Ag Cu | | Mineral Gorge Mining and Developing Co., Inc. | 11 |
| | | | |
| <u>Product</u> | | <u>Nonmetallic Operations</u> | |
| Clay and clay products | | Lowell Brick & Tile Co. | 24 |
| Limestone | | Miller Lime Co. | 25 |
| Mineral water | | Garland Mineral Springs | 20 |
| Peat | | Argus Super Humus | 16 |
| " | | Bassett's Gro-Earth | 17 |
| " | | Rhod-A-Zalea Gardens | 28 |
| Stone | | Manufacturers Mineral Co. | 24 |
| " | | Stoen Construction Co. | 30 |
| | | | |
| <u>Location</u> | | <u>Sand and Gravel Operations</u> | |
| Arlington | | Arlington Sand & Gravel Co. | 34 |
| " | | Bjerkaker, Vernon | 35 |
| Arlington area | | Robb, Roy | 48 |
| East Stanwood | | Haglund, Allie J. | 40 |
| Edmonds | | Builder's Sand and Gravel Co. | 36 |
| Everett area | | Associated Sand & Gravel Co. | 34, 35 |
| " " | | L. D. Fairfield Construction Co. | 39 |
| Everett | | Stiles, E. H. | 50 |
| Kenmore area | | S. H. Edinger Gravel Co. | 39 |
| " " | | Lake City Gravel & Materials, Inc. | 43 |
| Maltby | | Clearview Sand & Gravel Co. | 37 |
| Marysville area | | Otto & Ross Gravel Co. | 46 |
| Monroe area | | Associated Sand & Gravel Co. | 34, 35 |
| Monroe | | Beavers, C. H. | 35 |
| Snohomish | | Snohomish Sand & Gravel | 49 |

SPOKANE COUNTY

| <u>Product</u> | | <u>Metallic Operations</u> | |
|------------------------|---|---------------------------------|----|
| | U | Clayloon Uranium Co., Inc. | 8 |
| | U | Dahl Uranium Mine, Inc. | 8 |
| | U | Dawn Uranium & Oil Co. | 9 |
| | U | Daybreak Uranium Inc. | 9 |
| | U | Mudhole Exploration, Inc. | 12 |
| | U | North Star Uranium, Inc. | 12 |
| | | | |
| <u>Product</u> | | <u>Nonmetallic Operations</u> | |
| Clay and clay products | | Gladding, McBean & Co. | 20 |
| " | | Ideal Cement Co. | 22 |
| " | | Pirello Bros. | 28 |
| Shale | | Norlite Products Co. | 26 |
| Silica | | Pacific Silica Co. | 27 |
| Stone | | Carbon Brothers Quarry | 18 |
| " | | Empire Granite Co. | 19 |
| " | | Keene & Son | 23 |

SPOKANE COUNTY (continued)

| Location | Sand and Gravel Operations | Page |
|--------------|---|------|
| Spokane | Ace Sand & Gravel Co., Inc. | 34 |
| " | Acme Concrete Co. | 34 |
| Spokane area | Carbon Brothers Quarry | 36 |
| Spokane | Cunningham Sand and Gravel Co., Inc. | 38 |
| Spokane area | The Green Co. | 40 |
| Spokane | Green's Sand Co. | 40 |
| " | Inland Asphalt Co. | 42 |
| " | Materne, Jack O. | 45 |
| " | Materne Sand Co. | 45 |
| " | Spokane Sand & Gravel Co. | 50 |
| " | Union Sand & Gravel Co. | 52 |
| Spokane area | United Paving Co., Inc. | 52 |

STEVENS COUNTY

| Product | Metallic Operations | |
|----------|---|----|
| Ag Cu Pb | Aguila Lead Silver Mine | 6 |
| Pb Zn | American Smelting & Refining Co. | 6 |
| Ag Pb Zn | B & C Mining Co. | 7 |
| Pb Zn | Basic Minerals Limited | 7 |
| | Big Smoke Uranium, Inc. | 7 |
| Ag Pb | The Bunker Hill Co. | 7 |
| | Dahl Uranium Mine, Inc. | 8 |
| | Dawn Mining Co. | 9 |
| | Daybreak Uranium Inc. | 9 |
| | Geo-Resource Corp. | 9 |
| | Gladstone Mine | 10 |
| Pb | The Goldfield Consolidated Mines Co. | 10 |
| Pb Zn | Grandview Mines | 10 |
| | Ideal Cement Co. | 10 |
| | Loon Lake Copper Mine | 11 |
| | Northern Plains Exploration Co. | 12 |
| | Northwest Mining Syndicate | 12 |
| | Northwest Uranium Mines, Inc. | 13 |
| Ag Pb Zn | Pacific Northwest Mining Co. | 13 |
| Ag Pb Zn | Red Top Mine | 13 |
| | Western Uranium Mines, Inc. | 15 |
| Au Ag Cu | White Horse Mines | 15 |

| Product | Nonmetallic Operations | |
|-----------------|--|----|
| Barite | Chewelah Minerals Corp. | 19 |
| " | Manufacturers Mineral Co. | 25 |
| Dolomite | Manufacturers Mineral Co. | 25 |
| Limestone | Ideal Cement Co. | 22 |
| " | Kelly-Tedrow Co. | 23 |
| " | Peter Janni & Sons | 28 |
| Magnesite | Northwest Magnesite Co. | 26 |
| Molding sand | Manufacturers Mineral Co. | 25 |
| Peat | The Green Soil Conditioner & Fertilizer Co. | 21 |
| Portland cement | Ideal Cement Co. | 22 |
| Silica | Exploration & Development Associates | 19 |
| " | Pacific Silica Co. | 27 |
| Silica sand | Manufacturers Mineral Co. | 25 |
| Terrazzo chips | Chewelah Minerals Corp. | 19 |

STEVENS COUNTY (continued)

| <u>Product</u> | <u>Nonmetallic Operations (continued)</u> | <u>Page</u> |
|-----------------|---|-------------|
| Terrazzo chips | Manufacturers Mineral Co. | 25 |
| " " | Peter Janni & Sons | 28 |
| " " | Washington Non-Metallics, Inc. | 32 |
| | | |
| <u>Location</u> | <u>Sand and Gravel Operations</u> | |
| Chewelah area | Colville Valley Concrete Co. | 37 |
| Colville | Colville Valley Concrete Co. | 38 |

THURSTON COUNTY

| <u>Product</u> | <u>Nonmetallic Operations</u> | |
|-----------------|-----------------------------------|----|
| Coal | Tono Coal Co. | 31 |
| Peat | Sharp, J. Arnold | 29 |
| Stone | Stoen Construction Co. | 30 |
| | | |
| <u>Location</u> | <u>Sand and Gravel Operations</u> | |
| Nisqually area | Holroyd Co. | 41 |
| Olympia area | Sjbooen Bros. | 49 |

WALLA WALLA COUNTY

| <u>Location</u> | <u>Sand and Gravel Operations</u> | |
|-----------------|-----------------------------------|----|
| Attalia area | Jones-Scott Co. | 42 |
| Walla Walla | Jones-Scott Co. | 42 |

WHATCOM COUNTY

| <u>Product</u> | <u>Metallic Operations</u> | |
|-----------------|--|----|
| Au Ag Cu | Glacier Mining Co. | 10 |
| Au Ag Cu | Saginaw Gold & Copper Mines, Inc. | 14 |
| Au Ag | Western Gold Mining, Inc. | 15 |
| | | |
| <u>Product</u> | <u>Nonmetallic Operations</u> | |
| Clay | Hampton Brick and Tile Co. | 21 |
| " | The Olympic Portland Cement Co., Ltd. .. | 27 |
| Limestone | Mitchell Bay Lime Co. | 25 |
| " | The Olympic Portland Cement Co., Ltd. .. | 27 |
| Portland cement | The Olympic Portland Cement Co., Ltd. .. | 27 |
| Stone | Houplin, J. E. | 22 |
| | | |
| <u>Location</u> | <u>Sand and Gravel Operations</u> | |
| Bellingham | Lind Gravel Co. | 44 |
| Bellingham area | Mulka Gravel Co. | 46 |
| " " | C. V. Wilder Co. | 53 |

WHATCOM COUNTY (continued)

| <u>Location</u> | <u>Sand and Gravel Operations (continued)</u> | <u>Page</u> |
|-----------------|---|-------------|
| Cedarville area | Cowden Gravel Co. | 38 |
| Lynden area | Whatcom Builders Supply Co. | 53 |
| Nooksack area | Sumas Fuel & Transfer Co. | 50 |

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 Ready-Mix Co. | 39 |
| Garrison area | Hanson, Roy V. | 41 |
| Pullman area | United Paving Co., Inc. | 52 |

YAKIMA COUNTY

| <u>Product</u> | <u>Nonmetallic Operations</u> | |
|----------------|-------------------------------------|----|
| Bentonite | Calco Industrial Minerals | 18 |
| Clay | Granger Clay Products Co. | 21 |
| Pumicite | Butte Pozzolan Co. | 18 |
| Stone | Mount Adams Sheet Rock Quarry | 25 |
| " | White Pass Mine | 33 |

| <u>Location</u> | <u>Sand and Gravel Operations</u> | |
|-----------------|---------------------------------------|----|
| Grandview | Keller Sand & Gravel | 43 |
| " | Yakima Cement Products Co. | 54 |
| Granger area | Thompson, John | 51 |
| Mabton | Sears, Vivien | 49 |
| Naches area | Parten & Robbins | 47 |
| Parker area | Tobin Sand & Gravel | 52 |
| Sunnyside | Leveld, Ernest | 44 |
| Sunnyside area | Valley Ready-Mix Concrete Co. | 52 |
| Toppenish | Graham & Morris Construction Co. | 40 |
| " | Kerby & Sons | 43 |
| Yakima | DeAtley Paving & Crushing Inc. | 38 |
| Yakima area | Superior Concrete Products | 51 |
| Yakima | Yakima Cement Products Co. | 54 |

IDENTIFICATION OF SAMPLES

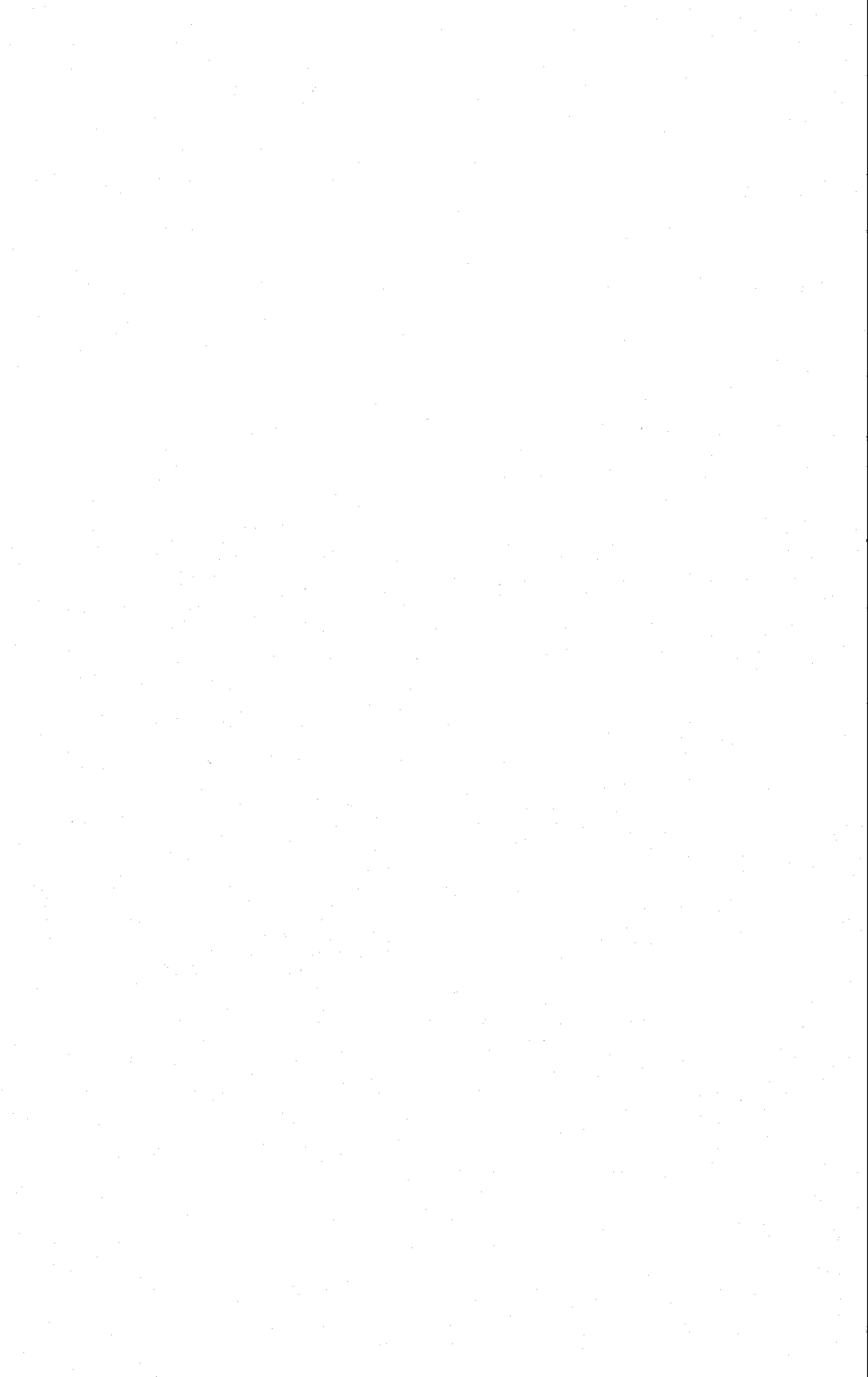
The State Division of Mines and Geology, 335 General Administration Building, Olympia, Washington, will be glad to examine in its laboratory samples of rocks, clays, or minerals that occur in Washington and advise the sender as to what the material is. No charge is made for this service. If a value is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

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

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

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

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



SOME RECENT PUBLICATIONS OF THE DIVISION OF MINES AND GEOLOGY

- 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¢.
- Supplement No. 1 to Bulletin No. 41, (containing recent additions to mining laws as shown in Bulletin 41) compiled and annotated by Morton H. Van Nuys. 1956. 26 p. Free.
- Division of Mines and Geology Bulletin 42 - Gold in Washington, by Marshall T. Huntting. 1955. 158 p. 2 pls. \$1.00.
- Division of Mines and Geology Bulletin 43 - Eocene stratigraphy of the lower Cowlitz River-eastern Willapa Hills area, southwestern Washington, by Donald Anton Henriksen. 1956. 122 p. 51 pls. \$1.50.
- Division of Mines and Geology Bulletin 37 - Inventory of Washington minerals, Part II, Metallic minerals, by Marshall T. Huntting. 1956. 495 p. 27 pls. Price per set (2 volumes—text and maps) \$4.50.
- Division of Mines and Geology Information Circular 26 - Uranium in Washington by Marshall T. Huntting. 1957. 10 p. 1 pl. Free.
- Division of Mines and Geology Information Circular 27 - 1957 Directory of Washington mining operations, by Vaughn E. Livingston, Jr., 1957. 94 p. Free.
- Division of Mines and Geology Information Circular 29 - Oil and gas exploration in Washington 1900-1957, by Vaughn E. Livingston, Jr., 1958. 61 p. 1 pl. 75¢.

The complete list of publications of the Division of Mines and Geology and its predecessor agencies may be obtained free upon request to the Department of Conservation, 335 General Administration Building, Olympia, Washington. Orders for the above listed publications may be sent to the same address, and should be accompanied either by cash or by money order or check made payable to the Department of Conservation.

1. The first part of the document discusses the importance of maintaining accurate records of all transactions. This is essential for ensuring the integrity of the financial statements and for providing a clear audit trail. The records should be kept in a secure and accessible location, and should be updated regularly.

2. The second part of the document outlines the procedures for conducting a physical inventory count. This involves comparing the physical quantities of goods on hand with the quantities recorded in the accounting system. Any discrepancies should be investigated and explained. The results of the count should be used to adjust the inventory accounts and to identify any areas of concern.

3. The third part of the document describes the process of reconciling the bank statements with the company's cash account. This involves comparing the bank's records of deposits and withdrawals with the company's records. Any differences should be identified and explained, such as bank charges or timing differences. The reconciliation process helps to ensure that the cash account is accurate and up-to-date.

4. The fourth part of the document discusses the importance of reviewing the financial statements for errors and omissions. This involves a thorough examination of the income statement, balance sheet, and cash flow statement. Any mistakes should be corrected, and the statements should be prepared in accordance with the applicable accounting standards. The review process is a critical step in ensuring the reliability of the financial information.

5. The fifth part of the document provides a summary of the key points discussed in the previous sections. It emphasizes the need for accuracy, transparency, and regular communication in the financial reporting process. By following these guidelines, the company can ensure that its financial statements are reliable and provide a true and fair view of its financial performance.