

State of Washington

DANIEL J. EVANS, Governor
Department of Conservation
H. MAURICE AHLQUIST, Director

DIVISION OF MINES AND GEOLOGY

MARSHALL T. HUNTING, Supervisor

Information Circular No. 42

DIRECTORY OF WASHINGTON MINING OPERATIONS 1964

By

WAYNE S. MOEN 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 or exploration stage but expect to produce in the near future. The data used are from the files of the Division of Mines and Geology and have been obtained principally through personal contacts with the operators at their mines, quarries, or places of business.

Sand, gravel, and common crushed-rock operations include all the known commercial producers, as distinct from State, County, and railroad pits and quarries. As the emphasis is on operations of some permanence, the many pits of the Washington Department of Highways are not listed individually because of the temporary or intermittent nature of their production. The rock referred to is used mostly for road-building purposes. That used for riprap, breakwaters, and dimension, architectural, and landscape stone is listed in the nonmetallic section of this report.

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

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

February 26, 1965

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DIRECTORY OF WASHINGTON MINING OPERATIONS, 1964

By Wayne S. Moen 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, plant capacity or production if available, the current status of activity, the product or products, and the location of the producing property by legal land description.

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

The abbreviations used throughout the directory include:

Ag - silver
Au - gold

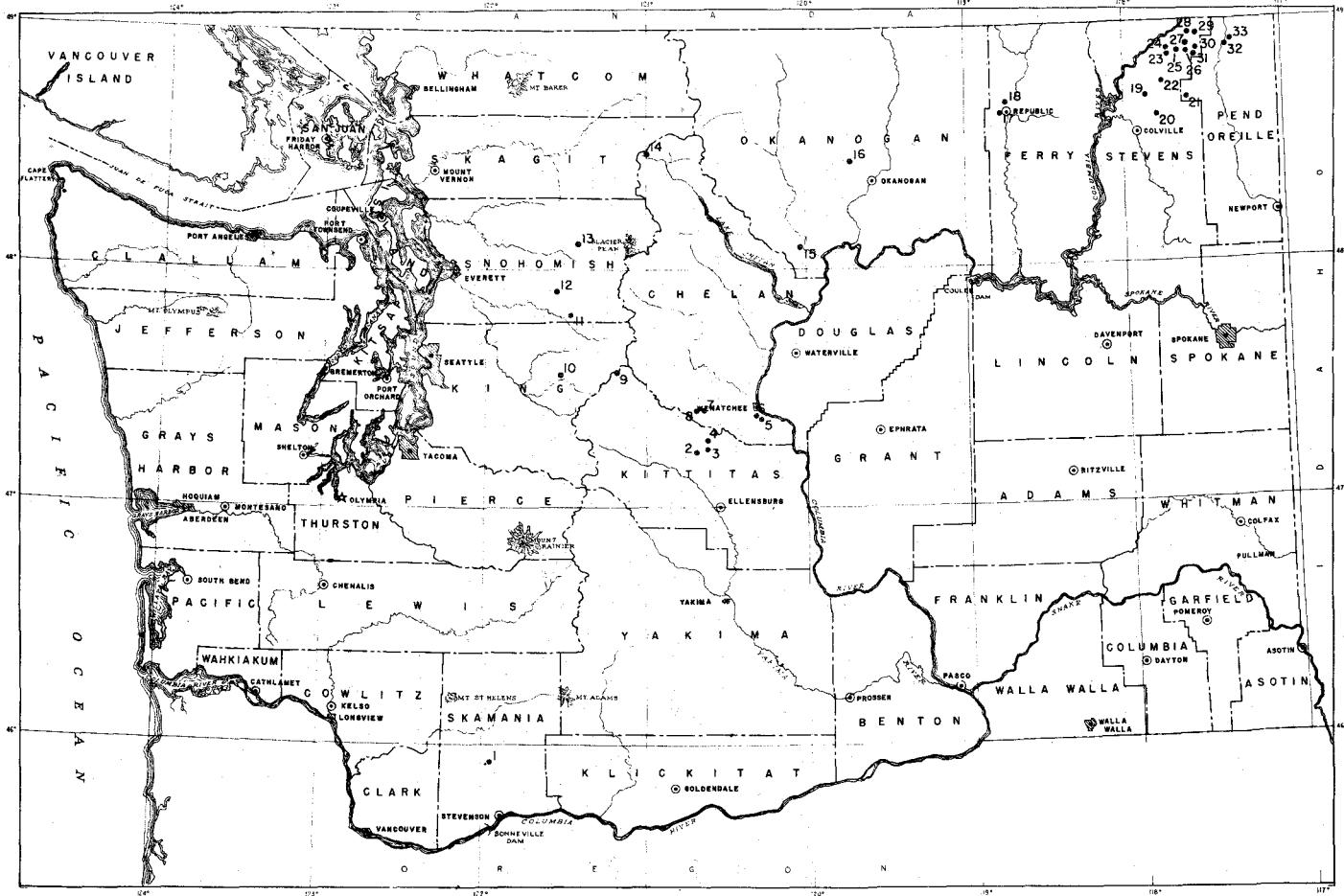
Cu - copper
Mo - molybdenum

Pb - lead
Zn - zinc

Underscoring indicates the metal or metals of principal economic importance.

Locations by legal land descriptions are abbreviated; for example, NE_{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.

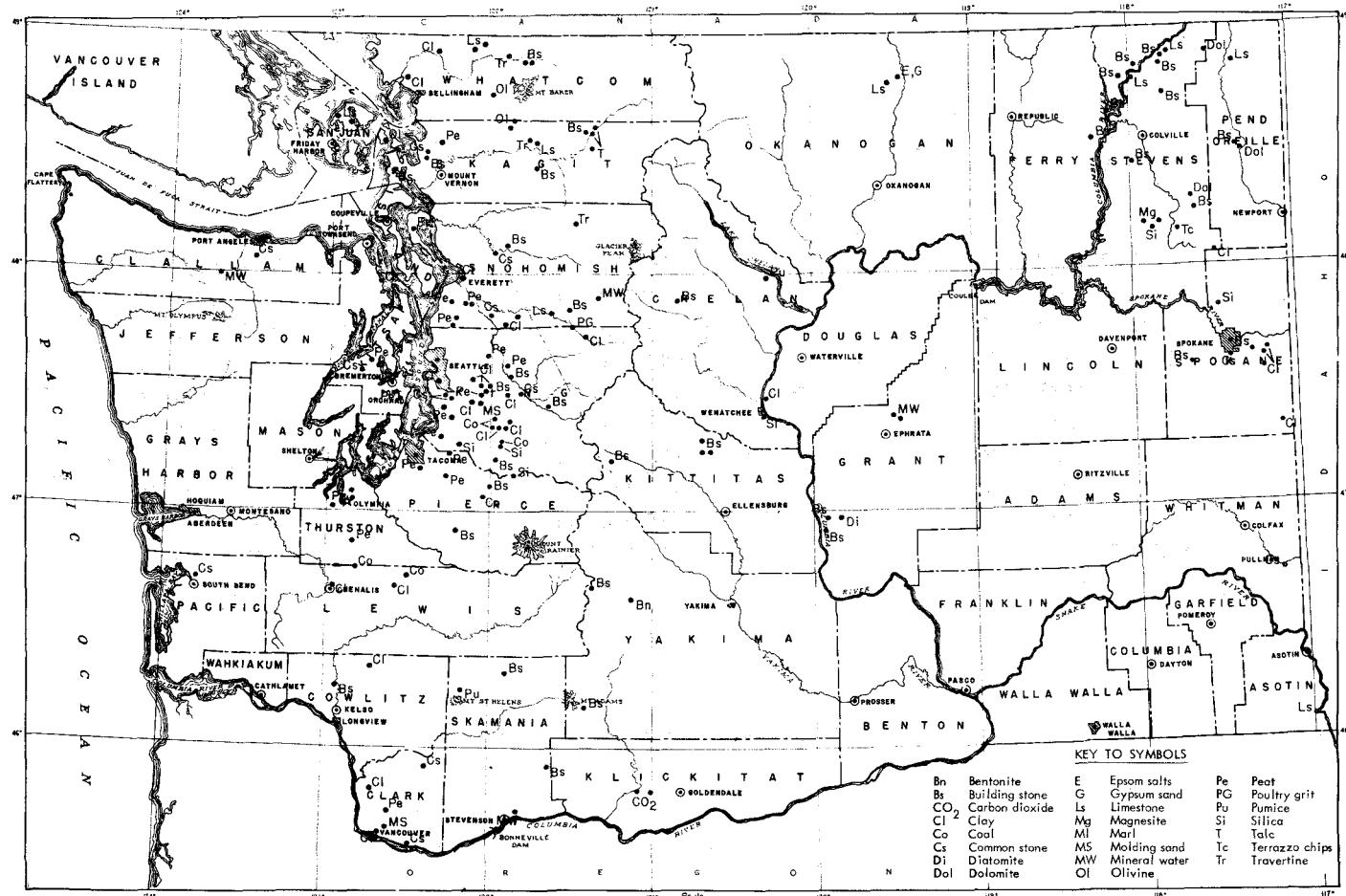
CURRENTLY ACTIVE METALLIC PROPERTIES



KEY TO ACTIVE METALLIC PROPERTIES

- (6)
- 1. Wind River
 - 2. Gold Placers
 - 3. Anna May
 - 4. Nelson Hill
 - 5. Gold King
 - 6. Saddlerock
 - 7. Pole Pick
 - 8. Caldo
 - 9. Cascade Development
 - 10. Clipper
 - 11. Index Bornite
 - 12. Kromona
 - 13. Polar Bear
 - 14. Diamond-Davenport
 - 15. Hidden Treasure
 - 16. Fourth of July
 - 17. Flag Hill
 - 18. Knob Hill-Gold Dollar
 - 19. Big Chief
 - 20. Shumaker
 - 21. Rocky Creek
 - 22. Van Stone
 - 23. Scandia
 - 24. Silver Crown (Casteel)
 - 25. Advance
 - 26. Hofer
 - 27. Calhoun
 - 28. Red Top
 - 29. Iroquois
 - 30. Lead Trust-Lead King
 - 31. Gladstone-Electric Point
 - 32. Grandview
 - 33. Pend Oreille

CURRENTLY ACTIVE NONMETALLIC PROPERTIES



WASHINGTON MINERAL PRODUCTION (a)

Product	1963		1964 (b)	
	Quantity	Value	Quantity	Value
Clays (c) ---- short tons	134,000	\$123,000	126,000	\$117,000
Coal (bituminous)- do --	190,000	1,380,000	60,000	(d)
Copper ----- do --	37	23,000	35	23,000
Lead ----- do --	5,374	1,161,000	6,327	1,683,000
Peat ----- do --	37,248	188,000	40,000	200,000
Sand and gravel -- do --	22,760,000	20,490,000	22,900,000	20,600,000
Stone ----- do --	12,934,000	16,346,000	13,000,000	16,400,000
Talc and soapstone do --	2,969	18,000	2,775	17,000
Uranium ore ----- do --	117,286	2,545,000	-----	(d)
Zinc ----- do --	22,270	5,122,000	25,867	6,984,000
Undistributed (e) -----		24,057,000		30,806,000
Total value	-----	71,430,000(f)	-----	76,830,000(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) Incomplete total, fire clay included under "Undistributed."

(d) Value included with "Undistributed."

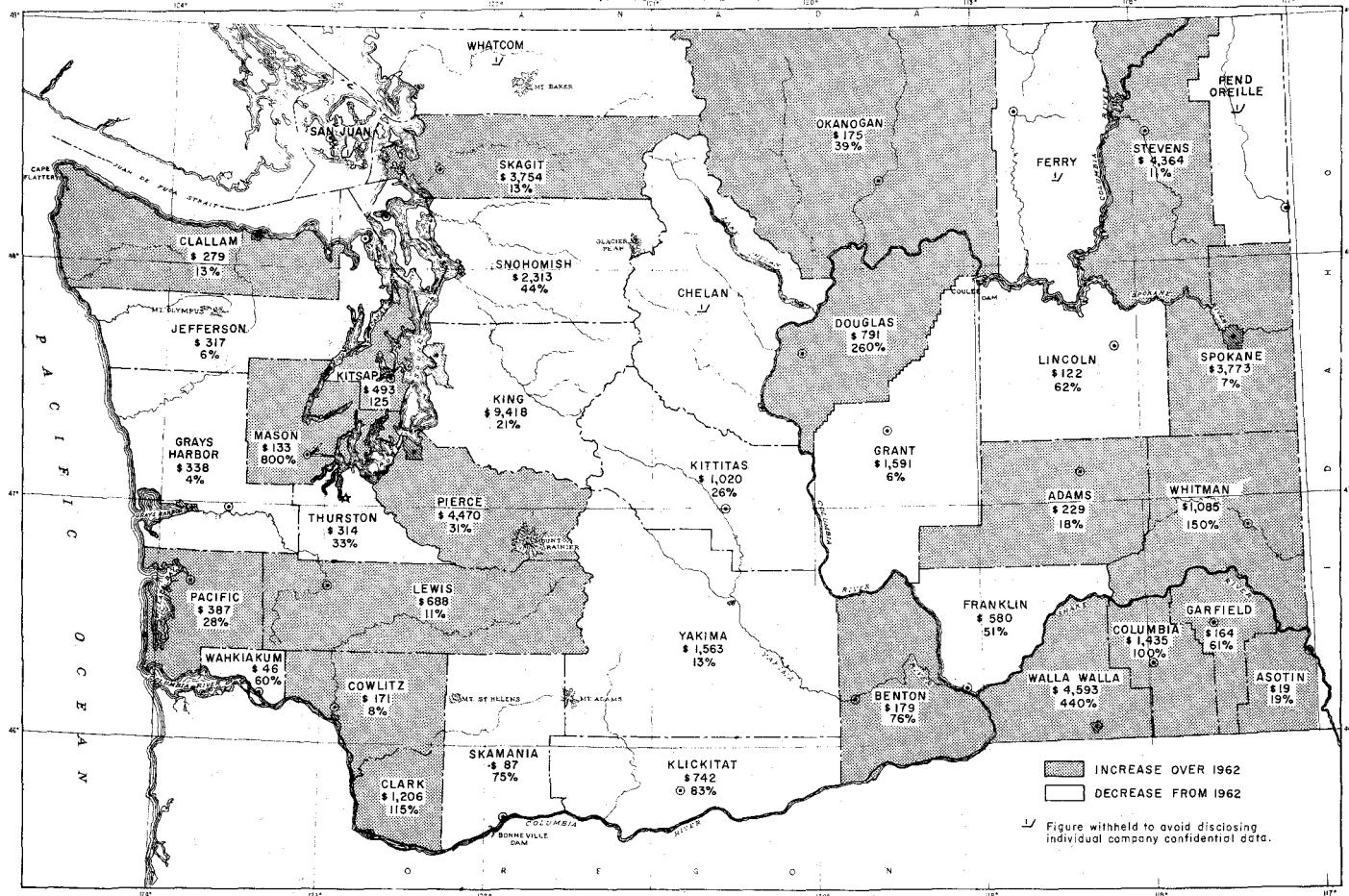
(e) Abrasive stone (grinding pebbles), carbon dioxide, diatomite, epsomite, gem stones, gold, gypsum, lime, magnesite, olivine, portland cement, pumice, silver, and values indicated by footnote d.

(f) Total has been adjusted to eliminate duplicating value of raw materials used in manufacturing cement and lime.

Washington's mineral production value increased from \$71.4 million in 1963 to \$76.8 million in 1964, according to United States Bureau of Mines preliminary figures. This \$5.3 million increase is due largely to an increased production of lead, zinc, silver, cement, magnesite, sand and gravel, and olivine. Slight gains were shown in the production of peat, pumice, and stone, whereas the production decreased slightly in copper, clays, and talc and soapstone. Most of the copper was recovered as a byproduct of lead-zinc mining in Pend Oreille County. Although there have been no producing oil wells in Washington since 1960, several major oil companies have been engaged in exploratory work, which includes offshore coring.

Compared with that of other northwestern states, the mineral production of Washington in 1964 ranked well ahead of Oregon (\$61.1 million) and behind Idaho (\$85.9 million) and Montana (\$205.1 million).

MINERAL PRODUCTION BY COUNTY, 1963
(THOUSAND DOLLARS)



METALLIC MINING OPERATIONS

Abbreviations used:

Ag - silver
Au - gold

Cu - copper
Mo - molybdenum

Pb - lead
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>
AMERICAN SMELTING & REFINING CO. Walter T. Barlow, Supt. Box 69 Colville, Wash. 1,000-ton flotation mill. Current production at Van Stone mine	<u>Zn</u> , Pb	STEVENS COUNTY 11 mi. S. of Northport Sec. 33, (38-40E)
AMERICAN ZINC, LEAD AND SMELTING CO. 1600 Paul Brown Bldg. St. Louis 1, Mo. R. E. Calhoun, Mgr. Mining Operations 304 Hamilton Bank Bldg. Knoxville 2, Tenn. William M. Calhoun, Mgr. Wash. Operations 1023 Old National Bank Bldg. Spokane 1, Wash. 800-ton flotation mill near Metaline Falls. Recent production at Grandview and Mineral Right mines	<u>Zn</u> , Pb, <u>Ag</u>	PEND OREILLE COUNTY N. of Metaline Falls Secs. 14, 15, 22, 30, (39-43E)
Current development at Calhoun (former Anderson) mine	<u>Zn</u> , Pb, <u>Ag</u>	PEND OREILLE COUNTY N. of Metaline Falls Secs. 14, 15, 22, 30, (39-43E)
ANNA MAY CLAIM Robert A. Bowman, owner Star Route, Box 1488 Tacoma 22, Wash. Current exploration	Au	STEVENS COUNTY N. of Deep Lake NW $\frac{1}{4}$ sec. 2, (39-41E)
		KITTITAS COUNTY Liberty area NE $\frac{1}{4}$ sec. 6, (20-18E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
BEAR CREEK MINING CO. Douglas R. Cook, Dist. Geol. W. 917 Mallon Ave. Spokane 1, Wash. Current development on Clipper group claims. Exploration elsewhere in Northern Cascades	Cu	KING COUNTY Goldmeyer Hot Spring area Middle Fork of Snoqualmie River
BLEWETT MINING CO. W. R. Priestly F. C. Priestly 7603 So. 115th Seattle 80, Wash. 24-ton gravity mill. Current development at Elinor Tunnel and Pole Pick claim	Au	CHELAN COUNTY Blewett area Culver Gulch Center sec. 2, (22-17E)
BUNKER HILL CO. Roger H. McConnel, Chief Geol. Box 29 Kellogg, Idaho Current exploration at following properties:		STEVENS COUNTY Clugston Creek area N. to Canadian Border
Advance	Zn, Pb	NE $\frac{1}{4}$ sec. 18, (39-41E)
Big Chief	Pb	S $\frac{1}{2}$ sec. 14, (37-39E)
Hofer	Zn, Pb	S $\frac{1}{2}$ sec. 23, (39-41E)
Iroquois	Zn, Pb	NE $\frac{1}{4}$ sec. 30, (40-42E)
Red Top	Pb, Zn, Ag	SE $\frac{1}{4}$ sec. 25, (40-41E)
Scandia	Zn, Pb	NE $\frac{1}{4}$ sec. 23, (39-40E)
CALDO MINING CO. Oren Dodd, Pres. 833 Walker Wenatchee, Wash. Current exploration on old Lucky Strike claim (renamed Caldo claim)	Au	CHELAN COUNTY Nigger Creek area Sec. 4, (22-17E)
CASCADE DEVELOPMENT CO. F. E. Farley, Mgr. 1004 Briar Cliff Drive Spokane, Wash. Current exploration at Dutch Miller property	Cu, Au, Ag	KING COUNTY La Bohn Gap area Sec. 20, (24-13E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
CLAYLOON MINING & FERTILIZER CO. Byrl T. Goodwin, Jr., Pres. 319 Peyton Bldg. Spokane 1, Wash. Gravity mill at Leadpoint. Limited production from Lead Trust and Lead King mines. (See also: Clayloon Mining & Fertilizer Co. under Nonmetallic Mining Operations.)	Pb	STEVENS COUNTY Gladstone Mountain SW $\frac{1}{4}$ sec. 7, (39-42E)
FOURTH OF JULY MINE Cecil B. Murray Route 1, Box 210 Omak, Wash. Limited production	Ag	OKANOGAN COUNTY Conconully area SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, (34-25E)
GOLD PLACERS, INC. Virgil Hiner 406 N. Pearl Ellensburg, Wash. Current production from placer claims at Liberty	Au	KITTITAS COUNTY Liberty area Secs. 1, 2, (20-17E)
HIDDEN TREASURE MINE William Cox East Wenatchee, Wash. Building pilot plant at property	Au	OKANOGAN COUNTY 2 mi. SW. of Methow S $\frac{1}{2}$ SE $\frac{1}{4}$ sec. 11, (30-22E)
JANNI SADDLEROCK PROSPECT Joseph A. Janni 826 Red Apple Road Wenatchee, Wash. Limited production (See also: Janni, Joseph A. under Nonmetallic Mining Operations.)	Au, Ag	CHELAN COUNTY Wenatchee area SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 16, (22-20E)
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	Au, Ag	FERRY COUNTY Republic district Secs. 22, 26, 27, (37-32E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
KROMONA CONSOLIDATED MINES, INC. Joe F. Krom, Pres. 621 Lloyd Bldg. Seattle 1, Wash. 120-ton mill. Limited production from Kromona mine	Cu, Mo, Au, Ag	SNOHOMISH COUNTY Sultan district Sec. 13, (28-9E)
L-D MINES E. H. Lovitt, Pres. Box 1668 Wenatchee, Wash. 300-ton flotation mill. Current production at Gold King mine	Au, Ag	CHELAN COUNTY Squillchuck area Secs. 16, 21, 22, (22-20E)
MOUNT INDEX MINERALS L. B. Cooper 509 32nd Ave. S. Seattle, Wash. Current exploration on old Index Bornite property	Cu, Ag	SNOHOMISH COUNTY 3 mi. E. of Index Secs. 22, 23, (27-10E)
NELSON HILL PROPERTY Ollie Jordin Clair Wynecoop Route 2 Cle Elum, Wash. Current exploration	Au	KITTITAS COUNTY Liberty area W½ sec. 29, (21-18E)
PEND OREILLE MINES & METALS CO. Jens Jensen, Pres. A. C. Wimberly, Secy.-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	Zn, Pb, Ag	PEND OREILLE COUNTY Metaline district Properties in Tps. 39 and 40 N., R. 43 E.
PHELPS DODGE CORP. Western Exploration Office Drawer 1217 Douglas, Ariz. Current exploration	Cu	KITTITAS COUNTY Kachess and Gold Creek area

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
POLAR BEAR MINES, INC. E. B. Case, Pres. P. O. Box 137 Darrington, Wash. Current exploration	Pb, Zn, Cu, Ag, Au	SNOHOMISH COUNTY 11 mi. SE. of Darrington NW $\frac{1}{4}$ sec. 1, (30-10E)
ROCKY CREEK SILVER MINE, INC. Robert P. Wallis, Secy.-Gen. Mgr. Box 133 Kettle Falls, Wash. Current development at Rocky Creek	Pb, Ag, Au	PEND OREILLE COUNTY 5 mi. SE. of Aladdin SE $\frac{1}{4}$ sec. 23, (37-41E)
STARDUST MINING CO. William E. Cullen, Secy. 422 Paulsen Bldg. Spokane, Wash. Current exploration at Gladstone and Electric Point properties	Pb	STEVENS COUNTY E. of Leadpoint E $\frac{1}{2}$ sec. 18, (39-42E)
TRI-NITE MINING CO. Claire Wyncoop, Pres. L. L. McLean, Secy.-Treas. 405 Fidelity Building Spokane 1, Wash. Flotation mill under construction at Shumaker mine	Zn	STEVENS COUNTY NE. of Colville SE $\frac{1}{4}$ sec. 8, (36-40E)
TRITON MINING CO. Darrell A. Newland, Pres. Cline E. Tedrow, Vice Pres. 206 Collins Building Colville, Wash. Limited production from Silver Crown mine (formerly Casteel mine)	Pb, Ag, Zn, Cu	STEVENS COUNTY E. of Northport Sec. 10, (39-40E)
VALDEZ MINES LTD. Roy E. Locke P. O. Box 461 Republic, Wash. Current exploration at Flag Hill mine	Au, Ag	FERRY COUNTY Republic area Secs. 1, 2, (36-32E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
VALUEMINES, INC. Wm. R. Soren, Pres.-Director 9221 - 118th East Puyallup, Wash. Current exploration at:	Pb, Zn, Cu, Ag	
Diamond claim		SNOHOMISH COUNTY Cascade Pass area NE $\frac{1}{4}$ sec. 35, (35-13E)
Davenport claim		CHELAN COUNTY Horseshoe Basin area N $\frac{1}{2}$ sec. 29, (35-14E)
WIND RIVER MINING CO. Kent Nielsen 5819 N. Greeley Ave. Portland 17, Oreg. Current development on the Wind River group	Au, Ag	SKAMANIA COUNTY Wind River area NE $\frac{1}{4}$ sec. 8, (5-7E)

NONMETALLIC MINING OPERATIONS

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
ACME AMERICAN PEAT MOSS W. E. Weaver N. 165th and Meridian Seattle 33, Wash. Current production	Peat	KING COUNTY North Seattle Pit at same address
ADDERSON, J. G. 10621 Crestwood Drive Seattle, Wash. Limited production at Denny-Renton quarry	Silica	KING COUNTY Enumclaw area NW $\frac{1}{4}$ sec. 1, (19-7E)
AGRO MINERALS, INC. R. W. Cool, Pres.-Gen Mgr. R. R. I Tonasket, Wash. Current production	Epsom salts, gypsum sand	OKANOGAN COUNTY Tonasket area SE $\frac{1}{4}$ sec. 5, (38-27E)
ALBERG & ASSOCIATES, INC. Thomas A. Alberg, Mgr. 1919 Fifth Ave. Seattle, Wash. Intermittent production	Rubble, riprap (andesite)	KING COUNTY North Bend area S $\frac{1}{2}$ NE $\frac{1}{4}$ sec. 5, (23-8E)
ARBOR LAKE GARDEN SUPPLY H. W. Drachenberg, owner 12224 3rd Ave. S. Seattle, Wash. Current production	Peat	KING COUNTY South of Seattle Pit at same address
ARBOR LAKE HUMUS CO. Fred Drachenberg 410 S. 124th Seattle, Wash.	Peat	KING COUNTY South of Seattle Pit at same address
ARROWSMITH COAL CO. Cecil Arrowsmith R. F. D. Box 404 Centralia, Wash. Limited production	Coal	LEWIS COUNTY E. of Centralia NE $\frac{1}{4}$ sec. 1, (14-2W)
ASHBURY FUEL Chester L. Ashbury 2424 Hilltop Drive Bremerton, Wash. Limited production	Peat	KITSAP COUNTY SW. of Silverdale Sec. 25, (25-1W)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
AVONDALE ORGANIC PEAT SOIL Ekkelkamp and sons 12201 Hwy. 99 S. South Everett, Wash. Current production	Peat	SNOHOMISH COUNTY Avondale area Center sec. 26, (28-4E)
BEEKS, ROBERTA 19 N.W. 6th Portland, Oreg. Limited production	Rubble, rough building stone (felsite)	SKAMANIA COUNTY Mann Butte area NE $\frac{1}{2}$ sec. 11, (5-9E)
BLACK PRINCE COAL CO. Mrs. Angeline Parkin Route 2, Box 324 Centralia, Wash. Current production	Coal	LEWIS COUNTY Centralia area S $\frac{1}{2}$ sec. 28, (15-1W)
BLACK RIVER QUARRY, INC. J. R. Hawk, Pres.-Mgr. 6808 S. 140th St. Seattle 88, Wash. Crushing capacity: 3,000 T./shift. Current production (See also: Black River Quarry, Inc. under Sand and Gravel Operations.)	Crushed rock, landscape rock, riprap (basalt)	KING COUNTY 6808 S. 140th St. Seattle Sec. 14, (23-4E)
BONNEVILLE HOT SPRINGS M. W. Evans and Ed C. Hewitson, owners Box 116 North Bonneville, Wash. Current production	Mineral water	SKAMANIA COUNTY Near North Bonneville SW $\frac{1}{2}$ sec. 15, (2-7E)
BOW LAKE HUMUS CO. T. and F. Boysen, owners 18118 Pacific Highway S. Seattle 88, Wash. Current production	Peat	KING COUNTY Bow Lake area NE $\frac{1}{2}$ sec. 33, (23-4E)
BRADLEY'S TOP SOIL Ward Bradley Route 2, Box 958-B Puyallup, Wash. Current production	Peat	PIERCE COUNTY Puyallup area Center sec. 3, (19-4E)
BRIGHTON, LARRY and REID, A. E. Route 2 Cle Elum, Wash. Limited production	Ashlar, rubble, landscape rock (sandstone)	KITTITAS COUNTY Liberty area NW $\frac{1}{4}$ sec. 1, (20-17E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
BUILDERS BRICK CO. R. C. Houlahan, Pres. 3720 Airport Way South P. O. Box 3547 Seattle, Wash. Current production at:	Clay products	Plants in Seattle and Newcastle in King County and Clay City in Pierce County
Newcastle pit	Clay	KING COUNTY Cougar Mountain area NW $\frac{1}{4}$ sec. 31, (24-6E)
Elk pit	Clay	Ravensdale area SE $\frac{1}{4}$ sec. 34, (22-7E)
Clay City pit	Clay	PIERCE COUNTY Clay City area S $\frac{1}{2}$ sec. 25, (17-4E)
CARL CARBON, INC. Box 5153, North Central Station Spokane 17, Wash. Current production Plant capacity: 50,000 T./yr.	Crushed rock, landscape rock (basalt)	SPOKANE COUNTY Geiger Field area Sec. 31, (25-42E)
Plant capacity: 50,000 T./yr.	Crushed rock (basalt)	WHITMAN COUNTY Pullman area NW $\frac{1}{4}$ sec. 9, (14-45E)
CARLSON PEAT & WOOD Eric E. Carlson 21862 Fall City Highway Redmond, Wash. Current production	Peat	KING COUNTY Bog at same address NE $\frac{1}{4}$ sec. 16, (25-6E)
CARNATION PEAT HUMUS CO. A. W. Hurd, owner A. B. Travis, Mgr. Route 1, Box 150 Carnation, Wash. Limited production	Peat	KING COUNTY Carnation area NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 33, (25-7E)
CASCADE CALCIUM, INC. Dr. Glen E. Deer, Pres. 1717 Market St. Seattle, Wash. Current development	Limestone	CHELAN COUNTY Leavenworth area Secs. 21, 22, 27, (26-18E)
CASCADE SLATE Cullen Campbell Route 6 Olympia, Wash. Limited production from R. S. A. claim	Landscape rock, flagging (andesite)	SKAMANIA COUNTY Niggerhead Creek, S. of Randle Sec. 35, (10-7E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
CAVANAUGH MOLDING SAND CO. Milton B. Cavanaugh 9827 S.E. 94th St. Kenndale, Wash. Current production	Molding sand, daubing clay	KING COUNTY Cedar Mountain area NE $\frac{1}{2}$ sec. 30, (23-2E)
CHEHALIS BRICK & TILE CO. F. G. Burrows, Mgr. Box 868 Chehalis, Wash. Current production	Clay products	LEWIS COUNTY At Chehalis W $\frac{1}{2}$ sec. 29, (14-2W)
CHELATCHIE ROCK CRUSHING, INC. Lawrence Edwards Route 1, Box 83 Amboy, Wash. Current production	Crushed rock (basalt)	CLARK COUNTY Amboy area SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, (5-3E)
CHINOOK MANAGEMENT CO. Howard West 1452 N.W. 70th Seattle, Wash. Current production	Bentonite	YAKIMA COUNTY Tieton area E $\frac{1}{2}$ sec. 7, (13-14E)
CLARK COUNTY PEAT CO. Mrs. Ralph Marquette Don Clark 6314 N.E. 159th St. Vancouver, Wash. Current production	Peat	CLARK COUNTY Manor area Sec. 18, (3-2E)
CLAYLOON MINING & FERTILIZER CO. Byrl T. Goodwin, Jr., Pres. 319 Peyton Bldg. Spokane 1, Wash. Gravity mill at Leadpoint. Limited production from Lead Trust mine (See also: Clayloon Mining & Fertilizer Co. under Metallic Mining Operations.)	Dolomite	STEVENS COUNTY Gladstone Mountain SW $\frac{1}{4}$ sec. 7, (39-42E)
COAL CREEK LIME CO. Fred Burr and Dick Nierstheimer Route 1, Box 420 Burlington, Wash. Limited production	Travertine (agricultural lime)	WHATCOM COUNTY Glacier area NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, (40-7E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
COAL INC. James A. Andersen, Pres. P. O. Box 96 Ravensdale, Wash. Current production from Black Knight mine	Coal	KING COUNTY Ravensdale area $\text{N} \frac{1}{2}$ sec. 1, (21-6E) $\text{S} \frac{1}{2}$ sec. 36, (22-6E)
DURA-BLOX, INC. Russell Nelson, Mgr. 740 3rd Ave. Longview, Wash. Current production	Crushed rock (basalt), concrete products	COWLITZ COUNTY Castle Rock area Near center sec. 15, (9-2W)
ELMORE, DAVE Star Route, Box 25 Eatonville, Wash. Limited production	Pumice	SKAMANIA COUNTY Spirit Lake area Sec. 27, (9-5E)
EMERSON, ROY H. 302 Studebaker Ave. Castle Rock, Wash. Limited production	Landscape rock, rubble	PIERCE COUNTY 5 mi. N. of Eatonville $\text{N} \frac{1}{2} \text{SW} \frac{1}{4}$ sec. 30, (17-5E)
EMPIRE GRANITE CO. John F. Goldback, Mgr. P. O. Box 273 Dishman, Wash. Limited production	Quarry-run rock	COWLITZ COUNTY S. of Castle Rock $\text{NW} \frac{1}{4} \text{SW} \frac{1}{4}$ sec. 25, (9-2W)
EVERETT LIME CO. Gordon C. Clauson 1928 Milford Way Seattle 77, Wash. Current production from: McGraw-Kittinger deposit	Monumental, architectural, and crushed granite	SPOKANE COUNTY Near Dishman Secs. 19, 20, (25-44E)
 Soderberg deposit	Limestone	SAN JUAN COUNTY
 EWER LUMBER CO. Vernon Ewer, owner Box 448 Omak, Wash. Current production	Pumice	Orcas Island $\text{NW} \frac{1}{4}$ sec. 2, (36-2W)
 FEDERAL WAY HUMUS AND NURSERY E. G. Schwieger, owner 1306 S. 312th Federal Way, Wash. Current production	Peat	N. center sec. 31, (37-2W) CHELAN COUNTY First Creek area $\text{SW} \frac{1}{4} \text{SE} \frac{1}{4}$ sec. 36, (28-20E)
		KING COUNTY Federal Way area $\text{NE} \frac{1}{4}$ sec. 8, (21-4E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
FLESHMAN, R. L. 2804 Spirit Lake Highway Castle Rock, Wash. Current production	Naturally fired shale	COWLITZ COUNTY Coal Bridge area NE $\frac{1}{2}$ NE $\frac{1}{4}$ sec. 18, (10-1E)
FULLER, HOWARD Route 1, Box 246 Shelton, Wash. Intermittent production	Peat, sphagnum	MASON COUNTY Kamilche area NE $\frac{1}{2}$ NE $\frac{1}{4}$ sec. 20, (19-3W)
FULLERS SOILS R. M. Fuller 19419 Damson Road Alderwood Manor, Wash. Current production	Peat	SNOHOMISH COUNTY SE. of Lynnwood SW $\frac{1}{4}$ sec. 24, (27-4E)
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. 207 Lyon Bldg. Seattle 4, Wash. R. B. Newbern, Pres. 1405 N.W. 20th Ave. Portland 9, Oreg. Current production	Carbon dioxide ("dry ice")	KLICKITAT COUNTY Near Klickitat Secs. 19, 23, 24, (4-14E)
GENERAL CONSTRUCTION CO. R. B. McEachern, Pres. L. S. Gardner, Mgr. 3840 Iowa Ave. P. O. Box 3845 Seattle 24, Wash. Crushing capacity: 1,500 T./shift. Current production at Mats Mats Bay quarry	Crushed rock, riprap	JEFFERSON COUNTY Port Ludlow area Lots 5, 6, 7, 8, Sec. 33, (29-1E)
GILBERTSON LANDSCAPE CONSTRUCTION John Gilbertson 6302 E. 104th Puyallup, Wash. Current production from Pacific Stone quarry	Landscape rock, rubble (andesite)	PIERCE COUNTY 5 mi. N. of Eatonville SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 30, (17-5E)
GREAT NORTHERN PACIFIC PEAT CO. Shibo Hayashi Box 294 Snohomish, Wash. Current production	Peat	SNOHOMISH COUNTY Thomas Lake area SE $\frac{1}{4}$ sec. 32, (28-5E) NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, (28-5E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
HEMPHILL BROTHERS, INC. Wylie M. Hemphill, Pres. 201 Boren N. Seattle, Wash. Current production at Baring quarry	Crushed granite	KING COUNTY Near Baring Sec. 2, (26-10E)
HENRY BROS. SHOVEL CO. J. C. Henry W. E. Henry Bow, Wash. Current production	Riprap	SKAGIT COUNTY Blanchard area NW $\frac{1}{4}$ sec. 22, (35-3E)
HIDDEN BRICK CO. R. A. Hidden, Mgr. 2610 Kauffman Ave. Vancouver, Wash. Current production	Clay products	CLARK COUNTY Pit at same address
HOUPLIN, J. E. P. O. Box 456 Des Moines, Wash. Current production at Cathedral quarry	Rubble, flagging (columnar basalt)	GRANT COUNTY Vantage area Sec. 4, (16-23E) Sec. 33, (17-23E)
IDEAL CEMENT CO. Denver National Bldg. 821 17th Street Denver 2, Colo. Gordon Tongue, Vice Pres. Northwestern Division 1320 Washington Bldg. Seattle 1, Wash. Grotto Plant (formerly Northwestern Portland Cement Co.) R. L. Barker, Plant Mgr. Grotto, Wash. Current annual production: 625,000 bbls.	Portland cement	Plants at Grotto in King County and Irvin in Spokane County
Grotto pit	Clay	KING COUNTY At Grotto Sec. 17, (26-11E)
Spokane Plant R. L. Boyington, Plant Mgr. E. 12207 Empire Ave. (P. O. Box 34) Spokane 10, Wash. Current annual production: 400,000 bbls.	Portland cement	SPOKANE COUNTY
Steen pit	Clay	Near Shelley Lake Sec. 24, (25-44E)
Marble quarry	Limestone	STEVENS COUNTY Near Marble S $\frac{1}{2}$ sec. 26, (39-39E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
INLAND ASPHALT CO. Robert M. Carroll, Pres. P. O. Box 4366, Sta. B 10th Ave. and Havana St. Spokane 31, Wash. Plant capacity: 300 T./hr. Current production	Crushed rock, asphalt paving	SPOKANE COUNTY Quarry at same address
INTERNATIONAL PIPE AND CERAMICS CORP. R. V. Lawrence, Mgr. 2901 Los Feliz Blvd. Los Angeles 39, Calif. Renton Plant J. C. Perry, Plant Mgr. 1500 Walla Walla Ave. Renton, Wash. Plant capacity: 14,000,000 brick/yr. 12,000 T. hollow ware/hr. Current production	Clay products	Plants at Renton in King County, and Mica in Spokane County
Blum pit	Clay	KING COUNTY Palmer area SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 31, (21-7E)
Palmer pit	Clay	NW $\frac{1}{4}$ sec. 14, (21-7E)
Harris mine	Clay	Issaquah area NW $\frac{1}{4}$ sec. 33, (24-6E)
"55" sand pit	Sand	Cedar Mountain area W $\frac{1}{2}$ sec. 25, (23-5E)
Preston pit	Clay	Preston area SW $\frac{1}{4}$ sec. 9, (23-7E)
Ravensdale ash	Cinders	Ravensdale area NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 36, (22-6E)
Renton pit	Clay	At Renton SE $\frac{1}{4}$ sec. 17, (23-5E)
Mica Plant M. Kochanek, Plant Mgr. Mica, Wash. Plant capacity: 16,000,000 brick/yr. 12,000 T. hollow ware/yr.		SPOKANE COUNTY
Mica pits	Clay	At Mica Secs. 14, 23, (24-44E)

(continued on following page)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
INTERNATIONAL PIPE AND CERAMICS CORP. (continued from preceding page)		
Adams pit	Clay	Fairfield area NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, (21-45E)
Sommer pit	Clay	Chester area NE $\frac{1}{4}$ sec. 35, (25-44E)
Lande pit	Clay	STEVENS COUNTY 5 mi. NE. of Clayton SW $\frac{1}{4}$ sec. 34, (30-42E)
INTERNATIONAL STONE, INC. M. L. Craig, Pres.-Gen. Mgr. 711 Hutton Bldg. Spokane, Wash. Crushing plant at Addy. Currently operating numerous quarries in Stevens and Pend Oreille Counties	Terrazzo chips, stucco dash, roofing chips, rubble	STEVENS COUNTY PEND OREILLE COUNTY
ISLAND-FRONTIER LANDSCAPE CONSTRUCTION CO. Dave Taggart Route 3, Box 522 Anacortes, Wash. Current production	Landscape rock, rubble (andesite)	SKAGIT COUNTY NE. of Deception Pass E $\frac{1}{2}$ sec. 13, (34-1E)
JACOBSEN AND CHRISTMAN Lloyd Jacobsen Route 2, Box 113 Colville, Wash. Joe Christman 868 S. 100th St. Seattle, Wash. Limited production	Flagging, rubble (marble)	STEVENS COUNTY 12 mi. N. of Colville Sec. 7, (37-40E)
JANNI, JOSEPH A. 826 Red Apple Road Wenatchee, Wash. Current production (See also: Janni Saddlerock Prospect under Metallic Mining Operations.)	Ashlar, flagging (limestone)	STEVENS COUNTY 3 mi. S. of Northport SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 13, (39-39E)
JOE LaROCHE TOPSOIL & PEAT Route 1, Box 236 Snohomish, Wash. Current production	Peat	SNOHOMISH COUNTY 5 mi. S. of Everett NW $\frac{1}{4}$ sec. 33, (28-5E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
KEENE & SON MONUMENT CO. J. E. Keene W. 1423 Alice Ave. Spokane, Wash. Limited production at Morris quarry	Monumental and architectural granite	SPOKANE COUNTY Near Medical Lake SE $\frac{1}{4}$ sec. 8, (24-41E)
KENITE CORP. A. G. Frankenhoff, Pres. J. W. Kenney, Jr., Vice Pres. Overhill Bldg. Scarsdale, N. Y. Donald Ross, Mgr. P. O. Box 1001 Quincy, Wash. Current production	Diatomite	GRANT COUNTY South of Quincy Center sec. 8, (17-24E)
KENNEDY & MUTH L. V. Kennedy and Louis Muth Box 245 Issaquah, Wash. Current production at: Fall City quarry	Landscape rock, rubble, riprap	KING COUNTY Fall City area SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 14, (24-7E)
Enumclaw quarry		Enumclaw area NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 13, (20-6E)
Burlington quarry		Burlington area NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 32, (35-3E)
KIFERS MICA ROCK QUARRY Ralph Kifer Route 1 Kettle Falls, Wash. Current production	Ashlar, flagging, rubble (quartzite)	FERRY COUNTY W. of Kettle Falls SW $\frac{1}{4}$ sec. 2, (36-37E)
KIRSCH, J. JACK Route 2 Cle Elum, Wash. Current production	Ashlar, flagging, rubble (sandstone)	KITTITAS COUNTY Liberty district Sec. 24, (21-17E) Sec. 6, (20-18E)
KOLOB MINING & STONE R. H. Nichols Kettle Falls, Wash. Current production	Flagging, rubble (limestone)	STEVENS COUNTY Northport area SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, (39-40E)

NONMETALLIC MINING OPERATIONS

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<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
L-D MINES, INC. E. H. Lovitt, Pres. Box 1668 Wenatchee, Wash.		
Current production	Sandstone (silica)	CHELAN COUNTY Squillchuck Canyon area NW $\frac{1}{4}$ sec. 21, (22-20E)
Limited production	Clay	DOUGLAS COUNTY East Wenatchee area Sec. 23, (23-20E)
LANE MOUNTAIN SILICA, INC. Richard Osborne, Pres. Stanley P. Jones, Secy. Charles Smith, Plant Mgr. 5801 E. Marginal Way Seattle 4, Wash. 400-ton flotation mill at Valley. Current production	Silica sand	STEVENS COUNTY West of Valley Secs. 15, 22, 26, 34, (31-39E)
LEE C. SWARTZ CONCRETE PRODUCTS Lee C. Swartz, owner 35 Swartz Road Ephrata, Wash. Limited production (See also: Lee C. Swartz Concrete Products under Sand and Gravel Operations.)	Pumice sand, concrete products	GRANT COUNTY Soap Lake area SE $\frac{1}{4}$ sec. 36, (23-26E)
LEHIGH PORTLAND CEMENT CO. Young Bldg. 718 Hamilton St. Allentown, Pa. Local address: Metaline Falls, Wash. A. W. Schaeffer, Plant Mgr. Annual plant capacity: 1,260,000 bbls. Current production	Portland cement Limestone Quartzite	PEND OREILLE COUNTY Metaline Falls area NE $\frac{1}{4}$ sec. 27, W $\frac{1}{2}$ sec. 26, NE $\frac{1}{4}$ sec. 34, (39-43E) SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 17, (39-43E)
LEHMAN, BURTON A. 103 7th St. Steilacoom, Wash. Current production	Ashlar, rubble (andesite)	YAKIMA COUNTY E. of White Pass summit SE $\frac{1}{4}$ sec. 36, (14-11E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
LONE STAR CEMENT CORP. Superior Division (Formerly Superior Portland Cement Inc.) John C. Mundt, Regional Vice Pres. 3801 E. Marginal Way S. Seattle 4, Wash. Seattle Plant M. Masters, Plant Mgr. Annual plant capacity: 1,300,000 bbls.	Portland cement	Plants on Duwamish River Waterway in Seattle and at Concrete in Skagit County
Seattle pit	Clay	KING COUNTY S. Seattle area $SE\frac{1}{4}NW\frac{1}{4}$ sec. 30, (24-4E)
Concrete Plant W. R. McClinton, Plant Mgr. Annual plant capacity: 1,700,000 bbls.		SKAGIT COUNTY
Concrete quarry	Cement rock	NE. of Concrete Sec. 2, (35-8E)
LONG LAKE PEAT CO. A. B. Hunt Route 1, Box 450 Port Orchard, Wash. Limited production	Peat	KITSAP COUNTY Port Orchard area $W\frac{1}{2}NW\frac{1}{4}$ sec. 20, (23-2E)
LOUIS F. MATHESON CONSTRUCTION CO. Louis F. Matheson, owner 3612 Norton Everett, Wash. Current production (See also: Louis F. Matheson Construction Co. under Sand and Gravel Operations.)	Riprap, crushed rock, rockery rock	SNOHOMISH COUNTY Granite Falls area $SW\frac{1}{4}SE\frac{1}{4}$ sec. 14, (30-6E)
LOVEJOY MINING & LEASING Vic Lovejoy Chewelah, Wash. Current production from:	Dolomite	
Blue Star quarry		STEVENS COUNTY 3 mi. NE. of Chewelah $N\frac{1}{2}$ sec. 5, (32-41E)
Jared quarry		PEND OREILLE COUNTY 10 mi. N. of Cusick $NW\frac{1}{4}NE\frac{1}{4}$ sec. 35, (35-43E)
LOWELL BRICK & TILE CO. John Gorin, Mgr. Box 3277, Everett, Wash. Intermittent production	Clay products	SNOHOMISH COUNTY Lowell area $SW\frac{1}{4}$ sec. 29, (29-5E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
LYNDEN CLAY PRODUCTS, INC. (formerly Hampton Brick and Tile Co.) Robert C. Jeffcott Everson, Wash. Current production	Clay products	WHATCOM COUNTY Everson area NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, (40-3E)
MADSEN'S QUARRIES W. A. Madsen Route 3, Box 124 Colville, Wash. Current production	Rubble (dolomite)	STEVENS COUNTY 9 mi. W. of Addy Sec. 26, (34-38E)
MAIDA LAKE PEAT CO. Clarence and Burt Braaten, operators Route 5, Box 369A Port Orchard, Wash. Current production	Peat	KITSAP COUNTY Port Orchard area Center sec. 7, (23-2E)
MANUFACTURERS MINERAL CO. Frank and J. G. Adderson, owners 1107 W. Idaho St. (P. O. Box 3543) Seattle 24, Wash. Current production at: Numerous marble quarries Valley quarry	Terrazzo chips Dolomite Peat	STEVENS COUNTY Chewelah area Near Valley Secs. 15, 22, (31-40E)
MAPLE VALLEY HUMUS Clay Hamilton, owner Route 2, Box 1160 Maple Valley, Wash. Current production		KING COUNTY Maple Valley area Pit at 18805 S.E. 170th Renton
MARL-RICH, INC. James Avila, Pres. Route 3, Box 385 Camano Island, Wash. Current production	Peat	ISLAND COUNTY Camano Island S $\frac{1}{2}$ sec. 11, N $\frac{1}{2}$ sec. 14, (31-2E)
MERIDIAN TOPSOIL Thomas A. McKay Route 2, Box 936 Puyallup, Wash. Intermittent production	Peat	PIERCE COUNTY Puyallup area SW $\frac{1}{4}$ sec. 3, (19-4E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
MILLER LIME CO. Leslie B. Miller P. O. Box 166 Gold Bar, Wash. Current production	Limestone (ground or crushed)	SNOHOMISH COUNTY Gold Bar area SE $\frac{1}{4}$ sec. 16, (27-9E)
	Landscape rock, flux rock (limestone)	Granite Falls area SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 5, (30-7E)
	Landscape rock, flagging (granite)	Gold Bar area SW $\frac{1}{4}$ sec. 8, (27-10E)
MILLS POTTERY J. F. Mills Route 7 Opportunity, Wash. Limited production from Sommer pit	Clay products	SPOKANE COUNTY Chester area NE $\frac{1}{4}$ sec. 35, (25-44E)
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)
MOLENBERG, PETE and JEFF Kettle Falls, Wash. Limited production	Flagging (quartzite)	FERRY COUNTY Sherman Creek area SE $\frac{1}{4}$ sec. 1, (35-36E)
MONARCH PEAT MOSS CORP. Hank Peterson, Pres. 5207 Lacey Blvd. Olympia, Wash. Limited production	Peat	THURSTON COUNTY Lacey area SE $\frac{1}{4}$ sec. 18, (18-1W)
MOUNT ADAMS SHEET ROCK QUARRY Joe Marston 9400 N.E. Mason St. Portland 20, Oreg. Limited production	Flagging (andesite)	YAKIMA COUNTY Mount Adams area SW $\frac{1}{4}$ sec. 27, (8-11E)
NASELLE ROCK CO. Martin S. Wirkkala Naselle, Wash. Plant capacity: 90 T./hr. Current production	Crushed rock	PACIFIC COUNTY Near Naselle Center W $\frac{1}{2}$ sec. 3, (10-9W)
NICHOLIC, MIKE 8611 S. Hosmer Tacoma 44, Wash. Current production	Peat	PIERCE COUNTY S. 84th and Freeway NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, (20-3E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
NORTH AMERICAN NON-METALLICS, LTD. W. Davey, Pres. 2775 W. Broadway Vancouver 8, B. C. Plant address: P. O. Box 227 Valley, Wash. Currently operating numerous quarries, Springdale to Northport	Terrazzo chips, stucco dash, roofing chips, landscape rock, rubble	STEVENS COUNTY
NORTHPORT LIMESTONE CO. W. L. Kelso, Pres. Wylie M. Hemphill, Secy. 201 Boren N. Seattle, Wash. Current production from Sherve lease	Limestone (flux)	STEVENS COUNTY Northport area NW $\frac{1}{4}$ sec. 17, (39-40E)
NORTHWEST MAGNESITE CO. Exec. office: 2 Gateway Center Pittsburgh, Pa. 15222 Howard Ziebell, Mgr. Box 137 Chewelah, Wash. Current production from Red Marble quarry, and calcining at plant near Chewelah, Wash.	Magnesite	STEVENS COUNTY Chewelah district SE $\frac{1}{4}$ sec. 24, (31-38E) SW $\frac{1}{4}$ sec. 19, (31-39E)
Intermittent production from Keystone quarry		W $\frac{1}{2}$ sec. 9, (31-39E)
NORTHWEST MARBLE PRODUCTS CO. Ernest Smith Chewelah, Wash. Plant in Chewelah. Current production	Terrazzo chips, stucco dash, roofing chips, rubble	STEVENS COUNTY 5 mi. NE. of Barstow SE $\frac{1}{4}$ sec. 13, (38-37E)
NORTHWEST OLIVINE CO. John W. Reitze, Pres. 2926 First Ave. South Seattle, Wash. 98104 E. J. Watson, Jr., Secy.-Treas. 329 Kincaid Mount Vernon, Wash. Plant capacity: 20-25,000 T./yr. Plant at Hamilton. Current production at Twin Sisters quarry	Olivine (crude and crushed)	SKAGIT COUNTY Twin Sisters Mountains Sec. 3, (36-7E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
NORTHWEST STONE Wayne D. Smith 2414 46th N.E. Sumner, Wash. Current production from one of Denney quarries	Flagging (limestone)	STEVENS COUNTY N. side of Columbia River in China Bend area NW $\frac{1}{4}$ sec. 34, (39-38E)
NORTHWEST TALC & MAGNESIUM CO. Nels F. Jensen, Mgr. P. O. Box 324 Clear Lake, Wash. Custom crushing and grinding plant at Clear Lake; hourly capacity: 3 tons talc, 4-5 tons barite, 3-5 tons olivine. Current production from Janette lease	Roofing chips	SKAGIT COUNTY NE. of Deception Pass E $\frac{1}{2}$ sec. 13, (34-1E)
OLYMPIC HOT SPRINGS Harry Schoeffel, Mgr. Port Angeles, Wash. Current production	Mineral water	CLALLAM COUNTY Elwha area NW $\frac{1}{4}$ sec. 28, (29-8W)
OLIVINE CORP. Corliss M. Smith, Pres. 1015 Hilton Bellingham, Wash. Plant in Bellingham. Current production	Foundry sand (olivine)	WHATCOM COUNTY Twin Sisters Mountain area NE $\frac{1}{4}$ sec. 34, (38-6E)
THE OLYMPIC PORTLAND CEMENT CO. DIVISION OF PERMANENTE CEMENT CO. E. J. Baldwin, Plant Mgr. P. O. Box 17 Bellingham, Wash. Annual plant capacity: 1,900,000 bbls. Current production at:	Portland cement	WHATCOM COUNTY
Brennan pit	Clay	At Brennan Sec. 33, (39-2E)
Limestone quarry	Limestone	Near Kendall Secs. 8, 14, 15, 16, 17, 21, 22, 23, 27, (40-5E)
ORGANICS WESTWARD HO, INC. Kurt Heinold, Pres. Box 247, Tenino, Wash. Daune Olsen, Secy.-Treas. Current development of Chain Hill deposit	Peat	THURSTON COUNTY N. of Tenino Center sec. 18, (16-1W)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
PACIFIC OLIVINE CO. Frank Taylor Alvin Meyersahn 8805 S.E. 39th Mercer Island, Wash. Processing at plant of Northwest Talc & Magnesium Co. at Clear Lake, Limited production	Olivine	SKAGIT COUNTY Twin Sisters Mountains Sec. 16, (36-7E)
PACIFIC SILICA CO. Wylie M. Hemphill, Pres. 201 Boren N. Seattle, Wash. W. L. Kelso, Mgr. W. 417 Barnes Road Spokane, Wash. Current production from Denison deposit	Silica	SPOKANE COUNTY N. of Spokane Sec. 14, (27-42E)
PALMER COKING COAL CO., INC. Jack A. Morris, Gen. Mgr. Box 8 Black Diamond, Wash. 1963 coal production 48,000 tons. Current production at:		KING COUNTY
Franklin No. 12	Coal	E. of Black Diamond SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19, (21-7E)
Rogers No. 2	Coal	N. of Ravensdale SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, (22-6E)
Rogers No. 3	Coal	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 25, (22-6E)
Bagley pit	Sandy shale	Newcastle area Center S $\frac{1}{2}$ sec. 26, (24-5E)
Lake Boron pit	Shale	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 27, (24-5E)
PETER JANNI & SONS Peter Janni, owner Box 333 Northport, Wash. Current production	Terrazzo chips, stucco dash, roofing chips, ashlar, landscape rock (limestone)	STEVENS COUNTY Near Northport SE $\frac{1}{4}$ sec. 7, (39-40E)
PIONEER TOWING CO. George R. Osborn 5001 E. Marginal Way Seattle, Wash. Intermittent production from Pioneer quarry	Stone, riprap, crushed rock (basalt)	KITSAP COUNTY SW. of Bremerton SE $\frac{1}{4}$ sec. 28, (24-1E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
POLSON IMPLEMENT CO. 625 S. Lander, Seattle, Wash. Operating plant at Riverside. Limited production from Booher pit.	Marl	OKANOGAN COUNTY Riverside area Sec. 3, (35-26E)
PUGET SOUND BRIDGE & DRYDOCK CO. RIVERTON QUARRY DIVISION A. Dean Field, Mgr., Quarry Division 12020 E. Marginal Way Seattle, Wash. Current production at Riverton quarry	Crushed rock, landscape rock (basalt)	KING COUNTY Riverton area Lot 7, Riverside Interurban tract Sec. 9, (23-4E)
QUEEN COAL CO. Robert Peloli Anthony Basselli Wilkeson, Wash. Limited production	Coal	PIERCE COUNTY Carbonado area Sec. 4, (18-6E)
QUIGG BROS-McDONALD, INC. 1500 Riverside Ave. Box 480, Hoquiam 4, Wash. Intermittent production at Newskah quarry (See also: Quigg Bros-McDonald, Inc. under Sand and Gravel Operations.)	Riprap	GRAYS HARBOR COUNTY Newskah area $W\frac{1}{2}$ sec. 2, (16-9W)
RENTON POWDER CO. William Marenakos, owner 11671 164th Ave. S.E. Renton, Wash. Current production	Peat	KING COUNTY Renton area Bog at intersection of S.E. 128th St. and 164th Ave. S.E.
Granite quarry	Rubble (granite)	Mine Creek area on South Fork of Snoqualmie River $SW\frac{1}{4}$ sec. 35, (23-9E)
Rhyolite quarry	Rubble (rhyolite)	KITTITAS COUNTY Easton area $NW\frac{1}{4}$ sec. 5, $W\frac{1}{2}$ sec. 21, (20-13E)
RHOD-A-ZALEA GARDENS R. D. Learner and E. F. Chadwick Route 1, Box 233 Snohomish, Wash. Current production	Peat	SNOHOMISH COUNTY Thomas Lake area 5 mi. S. of Everett $NE\frac{1}{4}SE\frac{1}{4}$ sec. 32, (28-5E)
RIDGEFIELD BRICK & TILE CO. Elmer Muffett, owner Route 1, Box 79 Ridgefield, Wash. Current production	Clay products	CLARK COUNTY NE. of Ridgefield $SE\frac{1}{4}$ sec. 17, (4-1E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
ROCK AND SAND, INC. Nick Romano, Pres. 6518 Ravenna Ave. N.E. Seattle 15, Wash. Current production from Dan Creek deposit	Travertine (chicken grit)	SNOHOMISH COUNTY Darrington area Center sec. 2, (31-10E)
RUNYON, H. G. Raymond, Wash. Plant capacity: 400 yd./shift. Current production from Raymond quarry	Riprap, crushed rock, rubble (basalt)	PACIFIC COUNTY Raymond area Center sec. 23, (14-9W)
ST. MARTIN'S MINERAL HOT SPRINGS Carson, Wash. Current production	Mineral water	SKAMANIA COUNTY Near Carson SE $\frac{1}{4}$ sec. 21, (3-8E)
SCHEEL, H. P. and CLAUSON, GORDON C. 3314 Harbor Ave. S.W. Seattle, Wash. Current development on Secret Harbor Farms lease	Olivine	SKAGIT COUNTY SE. side of Cypress Island SE $\frac{1}{4}$ sec. 33, (36-1E)
SCHEEL STONE CO. H. P. Scheel 3314 Harbor Ave. S.W. Seattle, Wash. Current production from:		
Silver Lace quarry	Ashlar, flagging (schist)	CHELAN COUNTY NW. of Wenatchee Lake W $\frac{1}{2}$ sec. 33, (28-16E)
Strip basalt lease	Ashlar, rubble (basalt)	GRANT COUNTY S. of Burke Junction
Limited production from: Rainbow claim	Talc	SKAGIT COUNTY 8 mi. NE. of Marblemount E $\frac{1}{2}$ sec. 15, (36-11E)
Skagit green quarry	Ashlar, flagging (schist)	Finney Creek area NW $\frac{1}{4}$ sec. 14, (34-8E)
Nickel green quarry	Rubble (silica carbonate rock)	Marblemount area SE $\frac{1}{4}$ sec. 30, (36-11E)

(continued on following page)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
SCHEEL STONE CO. (continued from preceding page)		SKAGIT COUNTY
Current development of Dewey Smith lease	Travertine	NW. of Concrete $S\frac{1}{2}$ sec. 4, (35-8E)
Recent production from Shuksan claims	Rubble (andesite)	WHATCOM COUNTY E. of Glacier Sec. 6, (39-8E)
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 $NE\frac{1}{4}NE\frac{1}{4}$ sec. 29, (18-2W)
SKAGIT PEAT CO. Douglas Walker Burlington, Wash. Current production	Peat	SKAGIT COUNTY 5 mi. N. of Burlington $NE\frac{1}{4}SW\frac{1}{4}$ sec. 6, (35-4E)
SKAGIT TALC PRODUCTS William Soren, Mgr. Route 1 Sedro Woolley, Wash. Joe Jacobin, operator. Current production at Wilson quarry	Talc	SKAGIT COUNTY Near Marblemount $NE\frac{1}{4}$ sec. 21, (36-11E)
SMITH BROS. SILICA SAND CO., INC. C. S. Smith, Pres. Route 1, Box 1027 Auburn, Wash. Washing plant capacity: 125 T./shift. Dryer capacity: 160 T./shift. Current production	Silica sand	KING COUNTY Plant near Green River E. of Auburn Cumberland area $SE\frac{1}{4}NW\frac{1}{4}$ sec. 30, (21-7E)
SMITH, HERMAN Box 99 Marblemount, Wash. Current production	Talc	SKAGIT COUNTY Marblemount area $SE\frac{1}{4}$ sec. 16, (35-11E)
SMITHROCK QUARRY, INC. Howard F. Smith, Pres.-Gen. Mgr. 3801 Fourth Plain Ave. Vancouver, Wash. Intermittent production	Crushed rock, riprap, jetty rock (basalt)	CLARK COUNTY E. of Fisher Sec. 7, (1-3E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
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)
STOEN CONSTRUCTION CO. Glen J. and Milo A. Stoer, owners 2210 N.E. 95th St. Seattle 5, Wash. Current production at Monroe quarry	Riprap, crushed rock, landscape rock	SNOHOMISH COUNTY Monroe area $E\frac{1}{2}NW\frac{1}{4}$ sec. 10, (27-6E)
Limited production at Port Angeles quarry	Riprap	CLALLAM COUNTY Port Angeles area $SW\frac{1}{4}$ sec. 25, (30-7W)
STOKER COAL CO. Ben, Fred L., and T. E. Martin, Jr., owners and operators Box 82 Centralia, Wash. Current production at Martin No. 35	Coal	THURSTON COUNTY Tono area
SUNSET QUARRIES, INC. R. J. Boe, Pres. 9718 42nd S. Seattle, Wash. Current development	Rubble, landscape rock, riprap (basalt)	KING COUNTY Issaquah area $W\frac{1}{2}NW\frac{1}{4}$ sec. 5, (23-6E)
THOMAS, JOE 1530 Madrona Drive Bremerton, Wash. Current production	Riprap (diorite)	KITSAP COUNTY Green Mountain area $NW\frac{1}{4}SW\frac{1}{4}$ sec. 9, (24-1W)
THOMPSON, STANLEY Goldendale, Wash. Current production	Crushed rock	KLICKITAT COUNTY Goldendale area $SE\frac{1}{4}$ sec. 16, (4-16E)
TONASKET LIMESTONE PRODUCTS, INC. Charles Connell, Pres. Tonasket, Wash. Current development	Limestone	OKANOGAN COUNTY 10 mi. N. of Tonasket Secs. 13, 14, (38-26E)
TOPPS-SOIL PRODUCTS CO. Frank L. Anderson 3055 S. 304th Auburn, Wash. Current production	Peat	KING COUNTY Doloff Lake area Bog at same address

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
TRI LAKES HUMUS D. R. Iorns, owner 27060 Fall City Road Redmond, Wash. Current production	Peat	KING COUNTY Redmond area $E\frac{1}{2}NW\frac{1}{4}$ sec. 25, (25-6E)
VALLEY PEAT CO. John and Joe Asahara Route 1 Sumner, Wash. Current production	Peat	PIERCE COUNTY Pacific area $NW\frac{1}{4}SE\frac{1}{4}$ sec. 2, (20-4E)
VALLEY SOIL CO. Andy Matelich 21039 Pacific Highway S. Seattle, Wash. Current production	Peat	KING COUNTY Kent area $NE\frac{1}{4}SE\frac{1}{4}$ sec. 22, $NW\frac{1}{4}SW\frac{1}{4}$ sec. 23, (22-4E)
VERBECK, DEWEY Route 1 Snohomish, Wash. Limited production	Peat	SNOHOMISH COUNTY Thomas Lake area $SW\frac{1}{4}SW\frac{1}{4}$ sec. 33, (28-5E)
WELLS CREEK QUARRY Gordon Pullar 2241 Woburn St. Bellingham, Wash. Intermittent production	Rubble (green andesite)	WHATCOM COUNTY Mount Baker district Center NW $\frac{1}{4}$ sec. 5, (39-8E)
WILDE CO. Geo. H. Wilde, Jr. 6113 N.E. 63rd St. Vancouver, Wash. Current production	Molding sand, roofing sand	CLARK COUNTY NE. of Vancouver $SE\frac{1}{4}$ sec. 7, (2-2E)
WILKESON CUT STONE CO., INC. Albert S. Kerry, Pres. 1117 2nd Ave. Bldg. Seattle, Wash. B. P. Wellock, Gen. Mgr. P. O. Box 68 Wilkeson, Wash. Current production at Wilkeson quarry	Building stone, split face ashlar (sandstone)	PIERCE COUNTY At Wilkeson Sec. 27, (19-6E)

SAND AND GRAVEL OPERATIONS

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
ACE CONCRETE CO. James H. Hunter, Pres. 302 N. Park Rd. (P. O. Box 27) Spokane, Wash. 99210 Plant capacity: 200 yd./hr. Current production at Park Road pit	Sand, gravel, crushed gravel, concrete products, ready-mixed concrete	SPOKANE COUNTY Pit at same address
ACE PAVING CO. Vernon Clauson and S. O. Christopherson 1309 Bertha Bremerton, Wash. Plant capacity: 400 yd./shift. Current production	Sand, gravel, crushed gravel	KITSAP COUNTY Bremerton area SE $\frac{1}{4}$ sec. 16, (24-1E)
AL MUHLHAUSER EXCAVATING & TRUCKING Albert W. Muhlhauser 438 Chenault Avenue Hoquiam, Wash. Limited production	Pit sand, gravel	GRAYS HARBOR COUNTY Montesano area SE $\frac{1}{4}$ sec. 2, (17-8W)
AL RATHBUN GRAVEL & EXCAVATING Albert E. Rathbun Box 657, Idaho Hill Newport, Wash. Current production from various leased pits	Sand, gravel	PEND OREILLE COUNTY Newport area
AMERICAN CONCRETE INC. Doug Clerget P. O. Box 66 Federal Way, Wash. Plant capacity: 1,000 yd./shift. Current production Corliss pit	Sand, gravel, crushed gravel, ready-mixed concrete	KING COUNTY Auburn vicinity Sec. 30, (21-5E)
		PIERCE COUNTY Sumner area SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 20, (20-5E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
ARLINGTON SAND & GRAVEL CO. V. M. Lee, Pres. James Lee, Secy.-Treas. Olympic Ave. Arlington, Wash. Current production	Sand, gravel, crushed rock, concrete products, ready-mixed concrete	SNOHOMISH COUNTY Near Arlington $N\frac{1}{2}$ sec. 3, (31-5E)
ASSOCIATED SAND & GRAVEL CO., INC. Geo. P. Duecy, Pres. Howard F. Sievers, Exec. Vice Pres. 6300 Glenwood Everett, Wash. Plant capacity: 200 T./hr. Current production at:	Sand, gravel, crushed gravel, concrete products, ready-mixed concrete, asphalt paving	
Butler pit		SKAGIT COUNTY Burlington area Secs. 8, 9, (35-4E)
Pope & Talbot pit		SNOHOMISH COUNTY Everett area $E\frac{1}{2}$ sec. 1, (28-4E)
Arlington pit		Arlington area $NE\frac{1}{4}$ sec. 2, (31-5E)
B-D SAND & GRAVEL CO. Earl E. Woodruff, owner 3601 N.W. Lower River Road Vancouver, Wash. Current production	Sand	CLARK COUNTY On W. River road $SE\frac{1}{4}$ sec. 20, (2-1E)
BAR SAND AND GRAVEL Frank Janicki P. O. Box 25 Sedro Woolley, Wash. Limited production	Pit sand, gravel, crushed gravel	SKAGIT COUNTY Sedro Woolley area Sec. 25, (35-4E)
BAYVIEW LUMBER CO. Robert E. Bush, Pres. Victor G. Druzianich, Secy-Treas. Elma, Wash. Current production	Sand, gravel	GRAYS HARBOR COUNTY Elma area $SW\frac{1}{4}NW\frac{1}{4}$ sec. 4, (17-6W)
BEAVERS, C. H. Box 926 Monroe, Wash. Plant capacity: 150 yd./hr. Current production at Monroe pit	Sand, gravel, crushed gravel	SNOHOMISH COUNTY Sec. 36, (28-6E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
BEDNORZ CONSTRUCTION CO. E. G. Bednorz, Sr., owner 2215 Marine View Drive Tacoma, Wash. Current production	Pit gravel	PIERCE COUNTY Tacoma area $SE\frac{1}{4}SE\frac{1}{4}$ sec. 26, (21-3E)
BLACK RIVER QUARRY, INC. J. R. Hawk, Pres.-Mgr. 6808 S. 140th St. Seattle, Wash. Plant capacity: 3,000 T./shift. Current production (See also: Black River Quarry, Inc. under Nonmetallic Mining Operations.)		KING COUNTY 6808 S. 140th St. Seattle Sec. 14, (23-4E)
Romano-Lyle pit Current production	Sand, gravel	KING COUNTY Angle Lake area $SE\frac{1}{4}SW\frac{1}{4}$ sec. 3, (22-4E)
BLACKIE'S GRAVEL E. L. Blankenship R. F. D. 1, Box 89 Rochester, Wash. Limited production	Pit sand, gravel	THURSTON COUNTY N. of Grand Mound on Sargent Road $NW\frac{1}{4}NE\frac{1}{4}$ sec. 11, (15-3W)
BLAKE SAND AND GRAVEL Charles E. Blake Route 2 Sequim, Wash. Plant capacity: 6,000 yd./yr. Current production	Sand, gravel, ready-mixed concrete	CLALLAM COUNTY Sequim area Sec. 3, (30-4W) Sec. 34, (31-4W)
BOB'S BULLDOZING Robert Peterson P. O. Box 847 Bothell, Wash. Current production	Sand, gravel, pit gravel, crushed gravel	SNOHOMISH COUNTY North Creek area $NE\frac{1}{4}$ sec. 18, $NW\frac{1}{4}$ sec. 17, (25-5E)
BOEHMER SAND & GRAVEL T. M. Boehmer P. O. Box 223 Darrington, Wash. Plant capacity: 30 yd./hr. Current production	Sand, gravel, crushed gravel	SNOHOMISH COUNTY Darrington area $SE\frac{1}{4}NW\frac{1}{4}$ sec. 23, (32-9E)
BOISE CASCADE CORP. GRAYSTONE OF SHELTON DIVISION W. B. Judah, Jr., Mgr. S. Seventh and Park Sts. Shelton, Wash.		MASON COUNTY

(continued on following page)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
BOISE CASCADE CORP. GRAYSTONE OF SHELTON DIVISION (continued from preceding page)		MASON COUNTY
Current production at:		
Shelton pit	Sand, gravel	Shelton area Secs. 13, 24, (20-4W)
Wynoochee pit	Sand, gravel, crushed gravel	GRAYS HARBOR COUNTY Montesano area W½ sec. 2, (17-8W)
BUILDER'S SAND AND GRAVEL CO. Olav Wathne 1021 10th Place Edmonds, Wash. Current production	Sand, gravel	SNOHOMISH COUNTY NE. of Edmonds NW½ sec. 17, (27-4E)
CADMAN GRAVEL CO. T. W. Magnussen, Pres. Helen Q. Magnussen, Secy. Redmond, Wash. Plant capacity: 250 yd./hr. Current production	Sand, gravel, crushed gravel, ready-mixed concrete	KING COUNTY Redmond area SW½ sec. 6, (25-6E)
CAMPBELL TRUCKING, INC. Geo. L. Campbell Box 6 Forks, Wash. Current production	Sand, gravel, crushed gravel	CLALLAM COUNTY Forks area Sec. 9, (28-13W)
CANYON SAND AND GRAVEL Norman Haage, owner 5203 East 72nd St. Tacoma, Wash.	Pit gravel, sand	PIERCE COUNTY South Tacoma area NW½ sec. 30, (20-4E)
CASCADE ASPHALT PAVING CO. Everett Jensen, Pres. Dan Benche, Supt. 6238 S. Tacoma Way Tacoma 9, Wash. Crushing capacity: 200 yd./hr. Current production	Sand, gravel, crushed gravel, asphalt paving	PIERCE COUNTY N. of McChord Field SE½ sec. 6, (19-3E)
CASCADE HAULING CO. Walter and Pete Norquist 918 "K" St. Centralia, Wash. Plant capacity: 20 yd./hr. Intermittent production	Pit gravel, crushed gravel, ballast	LEWIS COUNTY 2 mi. N. of Centralia Sec. 28, (15-2W)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
CASH & CARRY READY-MIX Marlin Noble P. O. Box 406 Burlington, Wash. Current production from former Butler pit	Sand, gravel, ready-mixed concrete	SKAGIT COUNTY NE. of Burlington on Kelleher Road NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 16, (35-4E)
CASTLE ROCK SAND & GRAVEL CO. Orval Howard 7272 Old Pacific Highway N. Castle Rock, Wash. Limited production	Pit sand, gravel	COWLITZ COUNTY Castle Rock area NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 2, (10-2W)
CHELAN CONCRETE CO. Ole Sandum Box 1256 Chelan, Wash. Plant capacity: 6,000 yd./yr. Current production	Sand, gravel, crushed gravel, ready-mixed concrete, concrete products	CHELAN COUNTY Chelan area SW $\frac{1}{4}$ sec. 12, (27-22E)
CHICO GRAVEL, INC. Bob Swackhammer, Pres. 1126 Evans Bremerton, Wash. Current production	Sand, gravel	KITSAP COUNTY Silverdale area NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 30, (25-1E)
CHURCHILL SAND & GRAVEL James H. Churchill North Bend, Wash. Current production	Pit sand, gravel	KING COUNTY North Bend area NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 16, (23-8E)
COLUMBIA CONCRETE PIPE CO. A. B. Metcalf, Pres. Foot of 9th St. Box 427 Wenatchee, Wash. Plant capacity: 100 yd./hr. Current production at: Columbia pit Okanogan pit	Sand, gravel, crushed gravel	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, Sr., Pres. Laurence A. McAtee, Secy.-Treas. Bob Johnson, Mgr. Box 1566 Moses Lake, Wash. Plant capacity: 100,000 yd./yr. Current production	Sand, gravel, crushed rock	GRANT COUNTY Moses Lake area NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, (19-28E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
COLVILLE VALLEY CONCRETE CORP. James R. Dietz, owner P. O. Box 343 Colville, Wash. Plant capacity: 30 yd./hr. Current production:	Sand, gravel, ready-mixed concrete, concrete products	STEVENS COUNTY
Chewelah pit		Chewelah area Sec. 7, (32-41E)
Colville pit		SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 10, (35-39E)
COTTAGE LAKE GRAVEL CO., INC. Roland Pearson and Ross Watson, owners 19087 N.E. 162nd Place Woodinville, Wash. Crushing capacity: 600 T./day. Current production	Sand, gravel, crushed gravel	KING COUNTY Woodinville area SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 7, W $\frac{1}{2}$ W $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 8, (26-6E)
*COUNTY PITS AND QUARRIES Current production	Sand, gravel, crushed rock	Various locations throughout the state
COWDEN GRAVEL Leonard Cowden, owner 2536 Goshen Road Bellingham, Wash. Current production	Sand, gravel, crushed gravel, ready-mixed concrete	WHATCOM COUNTY Cedarville area Sec. 28, (39-4E)
CRESCENT GRAVEL & SUPPLY Charles Larson Route 3, Box 138 Snohomish, Wash. Crusher capacity: 25 yd./hr. Current production from former Clearview pit	Sand, gravel, crushed gravel	SNOHOMISH COUNTY 7 mi. S. of Snohomish NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18, (27-6E)
CRYSTAL POOL SAND & GRAVEL Ernest and David E. Sweet, owners 3409 Allen St. Road Kelso, Wash. Plant capacity: 300 yd./day. Current production	Sand, gravel, crushed gravel	COWLITZ COUNTY E. of Kelso NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 31, (8-1W)

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

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
CUNNINGHAM SAND AND GRAVEL CO., INC. Olive, John, and Gary Cunningham, owners N. 6315 Cedar St. Spokane, Wash. 99208 1963 production 60,000 yd. Current production at:		SPOKANE COUNTY
Cedar Street pit	Sand	N. 6315 Cedar St. Spokane
Crestline pit	Sand	N. 8500 Crestline St. Spokane
Mead pit	Sand	Mead
DAVIS SAND & GRAVEL R. W. and Dana Davis R. F. D. 2, Box 127 Sequim, Wash. Current production	Pit gravel	CLALLAM COUNTY Sequim area Sec. 7, (30-3W)
DOTSON'S SAND & GRAVEL H. L. Dotson Westport, Wash. Current production	Sand, gravel, ready-mixed concrete	GRAYS HARBOR COUNTY E. of Markham
DOUG PULLAR SAND & GRAVEL Doug Pullar, owner 1837 Axton Road Bellingham, Wash. Current production at Axton pit	Sand, gravel, crushed gravel	WHATCOM COUNTY Laurel area SW $\frac{1}{4}$ sec. 20, (39-3E)
EDINGER GRAVEL CO., INC. S. H. Edinger, owner P. O. Box 283 Kenmore, Wash. Current production	Sand, gravel, crushed gravel, asphalt paving	SNOHOMISH COUNTY Kenmore area SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 35, (27-4E)
ELLENSBURG CEMENT PRODUCTS INC. Ivan Hutchinson, Pres. C. J. Gavalir, Secy. P. O. Box 27 W. 7th Ellensburg, Wash. Current production	Sand, gravel, crushed gravel	KITTITAS COUNTY Ellensburg area NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 29, (18-18E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
ELMER E. OLSON, INC. Elmer E. Olson, Pres. 326 First Avenue S.W. (Box 905) Ephrata, Wash. Current production at:		GRANT COUNTY
Gravel pit	Gravel	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)
ESTES & SON Clint Estes Twisp, Wash. Plant capacity: 4 yd./hr. Current production	Sand, gravel, crushed gravel, ready-mixed concrete	OKANOGAN COUNTY Twisp area Center $SE\frac{1}{4}$ sec. 17, (33-22E)
EVERETT BROS. CONSTRUCTION CO. L. R. Everett H. R. Everett P. O. Box 761 Oak Harbor, Wash. Current production	Sand, gravel, concrete products	ISLAND COUNTY Oak Harbor area $SW\frac{1}{4}$ sec. 13, (33-1E)
FAIRES EQUIPMENT CO. H. B. Faires, owner Box 662 Walla Walla Highway Colfax, Wash. Plant capacity: 40 yd./hr. Current production from former Foley pit	Sand, gravel, crushed gravel	WHITMAN COUNTY Colfax area Center sec. 10, (16-43E)
FREEWAY CONCRETE SUPPLY CO. Donald A. Martin, Mgr. John Meade, Supt. Box 281 Midway, Wash. Plant capacity: 350,000 yd./yr. Current production from:	Sand, gravel, crushed gravel	KING COUNTY
Kent Highlands pit		NW. of Kent $W\frac{1}{2}NE\frac{1}{4}$ sec. 15, (22-4E)
FRIDAY HARBOR SAND & GRAVEL CO. P. O. Box 8 Bellingham, Wash. Current production	Sand, gravel	SAN JUAN COUNTY Friday Harbor area $E\frac{1}{2}SE\frac{1}{4}SW\frac{1}{4}$ sec. 13, (35-3W)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
FRONTIER SAND & GRAVEL CO. Robert Harper Wm. Lumsden P. O. Box 965 Roslyn, Wash. Current production	Gravel, sand	KITTITAS COUNTY Cle Elum area NW $\frac{1}{4}$ sec. 36, (20-15E)
GLACIER SAND & GRAVEL CO. W. A. Marsh, Pres. W. P. Jackson, Vice Pres. 5975 E. Marginal Way S. Seattle 4, Wash. Plant capacity: 450 T./hr. Current production	Sand, gravel, crushed gravel, ready-mixed concrete	PIERCE COUNTY Steilacoom area Secs. 20, 29, (20-2E)
GODBEY RED-E-MIX Vaughn B. Godbey Brewster, Wash. Current production	Ready-mixed concrete	OKANOGAN COUNTY S. side of Brewster NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 23, (30-24E)
GRAHAM & MORRIS CONSTRUCTION CO. E. L. Morris Box 209 Toppenish, Wash. Plant capacity: 300 yd./shift. Current production	Sand, gravel, crushed gravel	YAKIMA COUNTY Sec. 32, (11-20E)
HAGARA, MICHAEL 7006 Harrison Road Aberdeen, Wash. Current production from Aberdeen pit	Sand, gravel	GRAYS HARBOR COUNTY Aberdeen area SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16, (17-9W)
HANSEN, FORREST R. F. D. 3, Box 212 Port Angeles, Wash. Current production	Pit sand, gravel	CLALLAM COUNTY Morse Creek area NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, (30-5W)
HILLTOP CONCRETE CO. Robert G. Reid, Pres. 2223 23rd Ave. S.E. (P. O. Box 648) Puyallup, Wash. Plant capacity: 4,000 yd./mo. Current production	Sand, gravel, crushed gravel, ready-mixed concrete	PIERCE COUNTY Puyallup area Center SW $\frac{1}{4}$ sec. 35, (20-4E)
HOFFEE SAND AND GRAVEL CO. Roy Hoffee, owner Route 2 Sultan, Wash. Current production	Sand, gravel, ready-mixed concrete	SNOHOMISH COUNTY Sultan area NE $\frac{1}{4}$ sec. 29, (28-8E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
HOLMES BROS. INC. Frank L. and Richard P. Holmes 1098 W. Marina Drive (Box 1583) Moses Lake, Wash. Plant capacity: 50 yd./hr. Current production at:		GRANT COUNTY
Gravel pit	Sand, gravel, crushed gravel	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., INC. James A. Holroyd, Pres. Margaret Merle Nielson, Vice Pres. Alma Merle Miller, Secy.-Treas. 5047 S. Washington St. Tacoma 9, Wash. Current production at:		PIERCE COUNTY
Tacoma pit	Sand, gravel, crushed gravel, concrete products, ready-mixed concrete	Pit at 74th and Orchard Grove, South Tacoma
Nisqually pit	Sand, gravel, ready-mixed concrete	THURSTON COUNTY Nisqually area SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 17, (18-1E)
HORSLEY GRAVEL Virgil Horsley, owner 1242 Delameter Road Castle Rock, Wash. Current production	Gravel, sand, crushed gravel	COWLITZ COUNTY Castle Rock area NW $\frac{1}{4}$ sec. 23, (9-2W)
HUNSAKER SAND & GRAVEL George Hunsaker Route 4 (P. O. Box 64) White Salmon, Wash. Plant capacity: 100 yd./shift. Current production	Sand, gravel, crushed gravel	KLICKITAT COUNTY Bingen area Sec. 29, (3-11E)
JOHN'S CREEK SAND & GRAVEL CO. Norman Anderson, lessee 215 E. Harvard Ave. (Box 313) Shelton, Wash. Current production	Sand, gravel	MASON COUNTY Johns River area Sec. 3, (20-3W)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
JONES-SCOTT CO., INC. Jack M. Morrison, Pres. W. G. Strong, Secy.-Treas. 10 Third Avenue N. (P. O. Box 925) Walla Walla, Wash. Plant capacity: 400 yd./shift. Current production at:		WALLA WALLA COUNTY Plant at N. 13th
Attalia pit	Sand	Attalia area Sec. 10, (7-31E)
Walla Walla pit	Gravel	N. 13th Walla Walla SW $\frac{1}{2}$ SE $\frac{1}{4}$ sec. 19, (7-36E)
Gravel pit	Gravel	Dell Street Walla Walla
KAMPE SAND & GRAVEL CO. N. A. Kampe, owner Route 2, Box 220 Ridgefield, Wash. Current production	Sand	CLARK COUNTY On W. River Road NE $\frac{1}{2}$ sec. 19, (2-1E)
KANE BROTHERS' CONCRETE PRODUCTS, INC. A. E. Kane, Pres. P. O. Box 1296 Wenatchee, Wash. Plant capacity: 200 yd./shift. Current production	Sand, gravel	CHELAN COUNTY Cashmere area SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 6, (23-19E)
KELLER SAND & GRAVEL C. E. Keller, owner Route 2 Grandview, Wash. Plant capacity: 100 T./hr. Current production	Sand, gravel, crushed gravel	YAKIMA COUNTY NE $\frac{1}{2}$ sec. 35, (9-23E)
KEN L. ULERİ CONSTRUCTION CO., INC. Ken Ulery, Mgr. 1014 Lake Terrace Drive Tumwater, Wash. Current production	Pit sand, gravel, crushed gravel	THURSTON COUNTY NW. of Tumwater NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 27, (18-2W)
F. B. KERBY & SONS SAND & GRAVEL Route 2, Box 222 Toppenish, Wash. Current production	Sand, gravel, mortar sand	YAKIMA COUNTY NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 35, (11-20E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
KINGSBURY'S RED-E-MIX Ralph H. Kingsbury, owner Route 2, Box 360-C Port Orchard, Wash. Current production	Sand, gravel, crushed gravel, ready-mixed concrete	KITSAP COUNTY Horseshoe Lake area NE $\frac{1}{2}$ NE $\frac{1}{4}$ sec. 9, (22-1E)
KIRKLAND SAND & GRAVEL, INC. Lyle and Gary Stubenrauch, Van and D. O. Smith, owners Box 214 Kirkland, Wash. Current production	Sand, gravel, concrete products, ready-mixed concrete	KING COUNTY At Kirkland NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, (26-5E)
KLINELINE SAND & GRAVEL CO. A. J. Berry, Pres. L. N. Berry, Mgr. 1112 N.E. Hazel Dell St. Vancouver, Wash. Current production	Sand, gravel, crushed gravel	CLARK COUNTY Salmon Creek area SW $\frac{1}{4}$ sec. 26, (3-1E)
LAKE CITY GRAVEL AND MATERIALS, INC. Frank G. Upjohn, Pres. Richard E. Martin, Secy.-Treas. 3215 E. 123rd Seattle 55, Wash. Current production	Gravel, crushed gravel, asphalt paving	SNOHOMISH COUNTY Kenmore area Sec. 26, (27-4E)
LAKESIDE GRAVEL CO., INC. R. R. Lee, Pres. 13620 Sunset Highway Bellevue, Wash. Current production at Issaquah pit	Sand, gravel, crushed gravel, ready-mixed concrete	KING COUNTY Issaquah area NW $\frac{1}{4}$ sec. 27, (24-5E)
LEE C. SWARTZ CONCRETE PRODUCTS Lee C. Swartz, owner 35 Swartz Road Ephrata, Wash. Current production (See also: Lee C. Swartz Concrete Products under Nonmetallic Mining Operations.)	Sand, gravel, concrete products	GRANT COUNTY Ephrata area SW $\frac{1}{4}$ sec. 15, (21-26E)
LEVANEN & KARVONEN Lavey Levanen Rudolph Karvonen Route 1, Box 06A Brush Prairie, Wash. Production approx. 5,000 yd./yr. Current production	Pit gravel	CLARK COUNTY Vancouver area NW $\frac{1}{4}$ sec. 11, (2-1E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
LEWIS RIVER SAND & GRAVEL A. E. Maynard and son, owners 3049 Lewis River Road Woodland, Wash. Plant capacity: 350 yd./day. Current production	Sand, gravel, crushed gravel	COWLITZ COUNTY 4 mi. NE. of Woodland $N\frac{1}{2}NW\frac{1}{2}$ sec. 10, (5-1E)
LINCOLN TRANSIT MIX, INC. J. MacPherson, Pres. Wilbur, Wash. Current production	Gravel, ready-mixed concrete	LINCOLN COUNTY 1 mi. W. of Wilbur $N\frac{1}{2}$ sec. 13, (26-32E)
LIND GRAVEL CO. Mrs. Russell E. Lind, owner Robert G. Dawes, Operations Mgr. 1530 State St. Bellingham 11, Wash. Current production at Squalicum pit	Sand, gravel, crushed gravel	WHATCOM COUNTY At Bellingham Foot of West Street Sec. 24, (38-2E)
LONGVIEW CONCRETE PIPE CO. H. L. (Jack) James, Mgr. P. O. Box 628 Longview, Wash. Current production	Sand, gravel, crushed gravel, concrete products	COWLITZ COUNTY Longview area $NE\frac{1}{4}SW\frac{1}{4}$ sec. 34, (8-2W)
LOSEY, REX R. 1718 Mount Brinyon Road Kelso, Wash. Crushing capacity: 15,000 yd./yr. Current production	Sand, gravel, crushed gravel	COWLITZ COUNTY On Mount Brinyon Road $SE\frac{1}{4}SE\frac{1}{4}$ sec. 23, (8-2W)
LOUIS F. MATHESON CONSTRUCTION CO. Louis F. Matheson, owner 3612 Norton Everett, Wash. Current production (See also: Louis F. Matheson Construction Co. under Non- metallic Mining Operations.)	Pit gravel	SNOHOMISH COUNTY Granite Falls area $SW\frac{1}{4}SE\frac{1}{4}$ sec. 14, (30-6E)
LYNDEN READY MIX Jerry Doornenbal 8597 Depot Road Lynden, Wash. Current production	Sand, gravel, ready-mixed concrete	WHATCOM COUNTY Lynden area $SW\frac{1}{4}$ sec. 21, (40-3E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
M & C ENTERPRISES, INC. J. W. Melrose, Pres. Box 226 Mukilteo, Wash. Intermittent production at:	Pit gravel	SNOHOMISH COUNTY Everett area
Seifert pit		SW $\frac{1}{4}$ sec. 30, (28-5E)
Getchell pit		N $\frac{1}{2}$ sec. 21, (30-6E)
MARINE ASPHALT CO., INC. Harold F. Sherman, Pres. Route 3, Box 120 Anacortes, Wash. Crushing capacity: 100,000 yd./yr. Current production	Sand, gravel, crushed gravel, crushed rock Crushed gravel	SKAGIT COUNTY Anacortes area Sec. 24, (35-1E) ISLAND COUNTY Oak Harbor area
MARTIN FUEL CO., INC. Curt Martin P. O. Box 133 Lynnwood, Wash. Plant capacity: 450 T./shift. Current production	Pit sand, gravel, crushed gravel	SNOHOMISH COUNTY Alderwood Manor Corner of Cypress and Larch Streets
MATERNE, JACK O. E. 3003 Joseph Ave. Spokane, Wash. Plant capacity: 25,000 yd./yr. 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, Wash. 99205 Current production	Sand	Mead township
MATHESON SAND & GRAVEL CO. Harold W. Matheson, owner Box 167 Pasco, Wash. Plant capacity: 30 yd./hr. Current production	Sand, gravel, crushed gravel	SPOKANE COUNTY Pit at Cedar and Francis Streets Spokane
MILES CO. Frank L. Miles, Gen. Mgr. 12th and "M" St. S.E. Auburn, Wash. Plant capacity: 900 yd./shift.	Sand, gravel, crushed gravel, ready-mixed concrete	BENTON COUNTY Near Kennewick Sec. 6, (8-30E)
(continued on following page)		KING COUNTY

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
MILES CO. (continued from preceding page)		KING COUNTY
Current production at:		
Mead pit	Sand, gravel	Auburn area SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19, (21-5E)
Shaughnessy pit	Sand, gravel, crushed gravel	NW $\frac{1}{4}$ sec. 29, (21-5E)
MILLER SAND & GRAVEL Eldon L. Miller, owner Route 2 Mount Vernon, Wash. Intermittent production	Pit gravel	SKAGIT COUNTY Mount Vernon area N $\frac{1}{2}$ sec. 34, (34-4E)
MORRISON GRAVEL CO. W. W. and Donald L. Morrison, owners Route 3, Box 202 Port Orchard, Wash. Current production	Sand, gravel	KITSAP COUNTY S. of Port Orchard E $\frac{1}{2}$ sec. 23, (23-1E)
MT. VERNON SAND & GRAVEL CO., INC. A. R. Kinney, Mgr. Box 351 802 N. First Street Mount Vernon, Wash. Current production at:	Concrete products, ready-mixed concrete	
Rooks pit	Sand, gravel	ISLAND COUNTY Oak Harbor area SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 24, (33-1E)
Samish pit	Sand, gravel	SKAGIT COUNTY Belfast area SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 6, (35-4E)
Shelton pit	Sand, gravel	MASON COUNTY Shelton area NE $\frac{1}{4}$ sec. 8, (20-4W)
MULKA GRAVEL CO. Victor R. Mulka 1561 Hannegan Road Bellingham, Wash. Current production at Bakerview pit	Sand, gravel	WHATCOM COUNTY Bellingham area SE $\frac{1}{4}$ sec. 8, (38-3E)
NICHOLS, R. H. Kettle Falls, Wash. Limited production	Pit sand, gravel	STEVENS COUNTY E. of Colville

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
NORD LUND, ROBERT 325 Kincaid Mount Vernon, Wash. Current production	Sand, gravel	SKAGIT COUNTY 2 mi. SE. of Mount Vernon $\text{NW}^{\frac{1}{4}}\text{NE}^{\frac{1}{4}}$ sec. 4, (33-1E)
NORTH KITSAP GRAVEL & ASPHALT CO. Oliver Lanning, Pres. Route 2, Box 305 Poulsbo, Wash. Current production	Sand, gravel, crushed gravel	KITSAP COUNTY Lofall area Sec. 9, (26-1E) $\text{NW}^{\frac{1}{4}}\text{SE}^{\frac{1}{4}}$ sec. 27, (27-1E)
Intermittent production	Sand, gravel	$\text{NW}^{\frac{1}{4}}\text{NW}^{\frac{1}{4}}$ sec. 26, (27-1E)
NORTH STAR SAND & GRAVEL Albert L. LaPierre, Pres. Paul Lewis, Mgr. Box 7 Edmonds, Wash. Current production	Sand, gravel, crushed gravel, ready-mixed concrete	SNOHOMISH COUNTY 3 mi. NE. of Paine Field Secs. 1, 2, (28-4E)
O & K TRUCKING CO. Philip Oiphant and Clifford Kyllonen Route 2, Box 355A Olympia, Wash. Limited production	Gravel	THURSTON COUNTY Olympia area $\text{SE}^{\frac{1}{4}}$ sec. 6, (18-1W)
OCEAN CITY SAND & GRAVEL Chester Kohnke c/o Mary Ellen LeRoy P. O. Box 353 Ocean Shores, Wash.	Pit gravel	GRAYS HARBOR COUNTY Ocean City area Center $\text{S}^{\frac{1}{2}}$ sec. 14, (18-12W)
OGDEN, F. E. Capitol Hill Shelton, Wash. Intermittent production	Pit gravel	MASON COUNTY 4 mi. NE. of Shelton $\text{SE}^{\frac{1}{4}}$ sec. 4, (20-3W)
OLYMPIA OIL AND WOOD PRODUCTS CO., ASPHALT DIVISION Paul Malleck, Supt. State and Washington Streets Olympia, Wash. Current production	Sand, gravel, crushed gravel, asphalt paving	THURSTON COUNTY SW. of Olympia Sec. 21, (18-2W)
OTTO & ROSS GRAVEL CO., INC. G. E. Ross P. O. Box 156 Marysville, Wash. Plant capacity: 750 yd./shift. Current production at Munson pit	Sand, gravel, crushed gravel, ready-mixed concrete	SNOHOMISH COUNTY Marysville area $\text{S}^{\frac{1}{2}}$ sec. 11, (30-5E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
PACIFIC BUILDING MATERIALS, DIVISION OF GLACIER SAND & GRAVEL CO. 3510 S. W. Bond Ave. Portland 1, Oreg. Melvin Erland, Gen. Mgr., Vice Pres. 101 E. First St. Vancouver, Wash. Plant capacity: 50 yd./hr. Current production from dredge on Columbia River	Sand, gravel, crushed gravel	CLARK COUNTY Vancouver area
PACIFIC SAND & GRAVEL CO. R. P. Coluccio, Pres. Box 628 Centralia, Wash. Current production at Blakeslee Junction pit	Sand, gravel, crushed gravel	LEWIS COUNTY S½ sec. 31, (15-2W)
PARKER SAND & GRAVEL CO. Armand and Larry DeBlasio 502 Miller Bldg. Yakima, Wash. Current production	Sand, gravel, ready-mixed concrete	YAKIMA COUNTY Parker area E½ sec. 20, (12-19E)
PILCHUCK SAND & GRAVEL Ray E. Dalton Route 2, Box 40 Snohomish, Wash. Plant capacity: 2,000 yd./mo. Current production	Pit sand, gravel, crushed gravel	SNOHOMISH COUNTY 1 mi. NE. of Snohomish Sec. 8, (28-6E)
PIONEER SAND AND GRAVEL CO. 901 Fairview Avenue N. (P. O. Box 1020) Seattle 11, Wash. George D. Christensen, Supt. P. O. Box 158 South Tacoma 9, Wash. Plant capacity: 600 yd./hr. Current production	Sand, gravel, crushed gravel, ready-mixed concrete	PIERCE COUNTY Steilacoom area Secs. 20, 29, (20-2E)
POWERS EXCAVATION CO. James Powers 3200 N. E. 62nd Ave. Vancouver, Wash. Limited production	Pit gravel	CLARK COUNTY Orchards area

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
PRE-MIX CONCRETE, INC. Dale Bowers, Mgr. 804 S. Broadway Box 895 Othello, Wash. Plant capacity: 400 yd./shift. Current production	Sand, gravel, crushed gravel	ADAMS COUNTY Halfmoon Lake area NW $\frac{1}{4}$ sec. 7, (16-29E)
PRE-MIX CONCRETE, INC. Charles W. Noyes, Pres. Box 695 Kennewick, Wash. Plant capacity: 200 yd./shift. Current production	Sand, gravel, crushed gravel, ready-mixed concrete	FRANKLIN COUNTY Across Columbia River from Richland Sec. 12, (9-28E)
QUIGG BROS-McDONALD, INC. 1500 Riverside Ave. Box 480 Hoquiam 4, Wash. 1963 production approx. 100,000 yd. Current production at Montesano pit (See also: Quigg Bros-McDonald, Inc. under Nonmetallic Mining Operations.)	Sand, gravel, crushed gravel	GRAYS HARBOR COUNTY Melbourne area Sec. 18, (17-7W) Sec. 13, (17-8W)
RED-SAMM MINING CO., INC. R. R. Lee, Pres. Box 776 Redmond, Wash. Current production	Crushed gravel, pit run gravel	KING COUNTY Redmond area SE $\frac{1}{4}$ sec. 7, (25-6E)
REID SAND AND GRAVEL, INC. Robert G. Reid, Pres. P. O. Box 922 Bellevue, Wash. Current production	Pit sand, gravel, ready-mixed concrete	KING COUNTY Issaquah area SE $\frac{1}{4}$ sec. 21, (24-6E)
RICH SAND & GRAVEL Arthur P. and Roy L. Rich Box 1156 Wenatchee, Wash. Plant capacity: 75 yd./hr. Current production	Sand, gravel, crushed gravel	DOUGLAS COUNTY Rock Island area Sec. 20, (22-21E)
ROBB, ROY Route 5 Arlington, Wash. Current production	Crushed pit gravel	SNOHOMISH COUNTY Arlington area S $\frac{1}{2}$ sec. 11, (31-5E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
ROCK & SAND, INC. Nick Romano, Pres. 6518 Ravenna Avenue N.E. Seattle, Wash. Current production	Crushed gravel	KING COUNTY SE. of Kent $SW\frac{1}{4}SE\frac{1}{4}$ sec. 3, (21-5E)
ROCK PRODUCTS, INC. H. R. Ward, Pres. Box 845 Camas, Wash. Plant at 1635 S.E. Sixth Ave. Camas, Wash. Plant capacity: 400 yd./shift. Current production	Sand, gravel, crushed gravel	CLARK COUNTY Oakpark area (Camas) Sec. 12, (1-3E)
SAMPSON SAND & GRAVEL Box 266 Warden, Wash. Current production	Sand, gravel, crushed gravel	GRANT COUNTY O'Sullivan Dam area Sec. 31, (18-29E)
SKAGIT SAND & GRAVEL Mailand Frank Route 3, Box 96 Mount Vernon, Wash. Current production at Riverside pit	Sand	SKAGIT COUNTY Near Mount Vernon $SW\frac{1}{4}SW\frac{1}{4}$ sec. 7, (34-4E)
SMITH BROS. Leslie and Calvin Smith P. O. Box 92 Battle Ground, Wash. Crushing capacity: 60 yd./hr. Current production	Sand, gravel, crushed gravel	CLARK COUNTY Battle Ground area $SW\frac{1}{4}$ sec. 10, (2-2E)
SNELL, AL R. 1107 North "E" St. Aberdeen, Wash. Current production at:		GRAYS HARBOR COUNTY
Junction City pit	Sand, gravel	Junction City area $S\frac{1}{2}$ sec. 11, (17-9W)
Gravel pit	Pit gravel	Montesano area Sec. 2, (17-8W)
SNOHOMISH SAND & GRAVEL, INC. Arthur F., Jack E., and Donald A. Stobb P. O. Box 227 4th and Cypress Streets Snohomish, Wash. Current production	Sand, gravel, ready-mixed concrete	SNOHOMISH COUNTY Pit at same address

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
SORENSEN GRAVEL CO. Harold Sorenson Route 1, Box 1006 Toledo, Wash. Current production	River run gravel	LEWIS COUNTY Toledo area SW $\frac{1}{4}$ sec. 17, (11-1W)
SPOKANE SAND AND GRAVEL CO. Donald Herak, Mgr. E. 5204 Broadway Ave. Spokane, Wash. 99220 Current production	Sand, gravel, crushed gravel	SPOKANE COUNTY Plant at same address
STERGION CONCRETE PRODUCTS Chris Stergion 901 Stevenson Enumclaw, Wash. Current production	Sand, gravel, concrete products	KING COUNTY Enumclaw area East end of S.E. 440th St.
STONEWAY SAND & GRAVEL CO. L. J. Dowell Box 509 Renton, Wash. Plant capacity: 200 yd./hr. Current production at:	Sand, gravel, crushed gravel, ready-mixed concrete	KING COUNTY
Renton pit		Renton area E $\frac{1}{2}$ sec. 17, (23-5E)
Cavanaugh pit		NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, (23-5E)
Vershnik pit		NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 32, (23-6E)
Northern Pacific pit		NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, (23-6E)
SUMAS FUEL & TRANSFER CO. Stephen R. Koehler P. O. Box 178 Sumas, Wash. Current production	Gravel	WHATCOM COUNTY Sumas area NW $\frac{1}{4}$ sec. 21, (40-4E) NE $\frac{1}{4}$ sec. 34, (41-4E)
SUPERIOR ASPHALT & CONCRETE CO. E. J. Auve, Mgr. P. O. Box 1602 Yakima, Wash. Plant capacity: 1,000 T./shift. Current production	Sand, gravel, crushed gravel, concrete products, ready-mixed concrete, asphalt paving	YAKIMA COUNTY W. shore of Yakima River (2000 E. Beech) Sec. 20, (13-19E)
SUTTER'S GRAVEL Louis Sutter R. F. D. 1, Box 4491 Issaquah, Wash. Intermittent production	Pit gravel	KING COUNTY Issaquah area SE $\frac{1}{4}$ sec. 21, (24-6E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
TENNYSON, J. L. Route 4, Box 456 Mount Vernon, Wash. Current production	Pit gravel	SKAGIT COUNTY 2 mi. S. of Clear Lake Center of N. line sec. 14, (34-4E)
TIM CORLISS AND SON CO. Harry B. Corliss Route 1 (P. O. Box 485) Sumner, Wash. Plant capacity: 100 T./hr. Current production at:	Sand, gravel, crushed gravel, ready-mixed concrete	PIERCE COUNTY
Gravel pit	Sand, gravel, crushed gravel	Sumner area SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 20, (20-5E)
Gravel pit	Sand, gravel, crushed gravel	2 mi. N. of Puyallup SW $\frac{1}{4}$ sec. 16, (20-4E)
TOUGAW & OLSON, INC. G. L. Moulden, Pres. S. O. Tougaw, Vice Pres. D. P. Nicholson, Treas. 1501 Wells St. (Box 17) Enumclaw, Wash. Plant capacity: 40 yd./hr. Current production	Sand, gravel, ready-mixed concrete	KING COUNTY Enumclaw area SW $\frac{1}{4}$ sec. 20, (20-7E)
TROSPER TRANSIT MIX CONCRETE Lloyd Max Trosper, owner N. 290 26th Pomeroy, Wash. Plant at Pomeroy. Current production	Sand, gravel, crushed gravel, ready-mixed concrete	GARFIELD COUNTY Central Ferry area SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 8, (13-40E)
TUMWATER CONCRETE PRODUCTS CO. Warren B. Christenson Leavenworth, Wash. Current production	Sand, gravel, crushed gravel	CHELAN COUNTY Leavenworth area NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12, (24-17E)
TWIN CITY PREMIX, INC. Don Ross, Mgr. 55 Chestnut Clarkston, Wash. Plant at 16th and Chestnut. Plant capacity: 40 yd./hr.	Sand, gravel, crushed gravel, ready-mixed concrete	ASOTIN COUNTY

(continued on following page)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
TWIN CITY PREMIX, INC. (continued from preceding page)		ASOTIN COUNTY
Current production at:		
	Sand	E. edge of Clarkston NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 29, (11-46E)
	Sand, gravel, crushed gravel	6 mi. E. of Clarkston N $\frac{1}{2}$ SW $\frac{1}{4}$ sec. 21, (11-45E)
UNION SAND & GRAVEL CO., INC. John W. Murphy, Pres. N. 805 Division St. Box 2184 Spokane, Wash.		SPOKANE COUNTY
Current production at:		
Fort George Wright (No. 1) pit	Sand, gravel	On Government Way
Mead pit	Fine sand	One mile north of Hillyard
Yardley (No. 2) pit	Sand, gravel, crushed gravel	At Broadway and Havana
VALLEY READY-MIX CONCRETE CO. L. R. Drollinger and sons, owners 723 W. Deschutes Ave. Kennewick, Wash.	Ready-mixed concrete	YAKIMA COUNTY
Current production		
1963 production: 20,000 yd.	Sand, gravel, crushed gravel	101 N. 11th, Sunnyside Sec. 8, (9-22E)
1963 production: 20,000 yd.	Sand, gravel, crushed gravel	BENTON COUNTY 22 S. Cullum, Richland
VASHON SAND AND GRAVEL CO. A. A. Schmidt Route 1, Box 120 Burton, Wash.	Sand, gravel	KING COUNTY Maury Island NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 21, (22-3E)
Current production		
VERBECK BROTHERS, INC. Don Verbeck, Mgr. Tonasket, Wash. Crushing capacity: 100 T./hr.		OKANOGAN COUNTY

(continued on following page)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
VERBECK BROTHERS, INC. (continued from preceding page)		OKANOGAN COUNTY
Current production at:		
Osoyoos Lake area	Sand, gravel, crushed gravel	Sec. 10, (39-27E) NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, (40-27E)
Tonasket area	Sand, gravel, crushed 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
WEAVER & McGARRAH, CONTRACTORS 1512 S. Evans Aberdeen, Wash. Production approx. 5,000 yd./yr. Current production from Simera pit	Pit sand, gravel	GRAYS HARBOR COUNTY South Aberdeen area S $\frac{1}{2}$ sec. 15, (17-9W)
WESTERN AGGREGATES, INC. Dwight R. Nelson, Mgr. P. O. Box 2175 Everett, Wash. Current production	Sand, gravel, crushed gravel	SNOHOMISH COUNTY Paine Field area N $\frac{1}{2}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, (28-4E)
WESTERN SAND & GRAVEL CO. Paul H. Smith, Pres. Route 2, Box 1205 Maple Valley, Wash. Plant capacity: 110 yd./hr. Current production	Sand, gravel, crushed gravel, ready-mixed concrete	KING COUNTY Maple Valley area NE $\frac{1}{4}$ sec. 16, (22-6E)
WHATCOM BUILDERS SUPPLY CO. Thomas P. Nash, Pres. Box 646 Lynden, Wash. Plant capacity: 40 yd./hr. Current production	Sand, gravel, crushed gravel	WHATCOM COUNTY Lynden area SE $\frac{1}{4}$ sec. 22, (40-2E) NE $\frac{1}{4}$ sec. 36, (40-2E)
WHITNEY'S GRAVEL Darle L. Whitney, owner 570 S. 2nd Ave. Sequim, Wash. Current production	Pit gravel	CLALLAM COUNTY Sequim area NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 32, (31-3W)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
C. V. WILDER CO. 1840 State St. Bellingham, Wash. Current production	Sand, gravel, crushed gravel	WHATCOM COUNTY Laurel area SE $\frac{1}{4}$ sec. 19, SW $\frac{1}{4}$ sec. 20, (39-3E)
WOODLAND SAND AND GRAVEL, INC. Richard Norelius, Pres. P. O. Box 53 Woodland, Wash. Crushing capacity: 80 yd./hr. Current production	Sand, gravel, crushed gravel	Blaine area SW $\frac{1}{4}$ sec. 32, (41-1E)
WOODWORTH & CO., INC. J. A. Woodworth, Pres. G. L. Falskow, V. P.-Treas. 1200 East "D" St. Tacoma 2, Wash. Current production at:		COWLITZ COUNTY Woodland area N $\frac{1}{2}$ sec. 10, (5-1E)
Hylebos pit	Sand, gravel	PIERCE COUNTY N. of Fife SW $\frac{1}{4}$ sec. 25, (21-3E)
Lakeview pit	Sand	Lakeview Park NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 9, (19-4E)
YAKIMA CEMENT PRODUCTS CO. Richard Hews, Pres. 1202 S. First Street (P. O. Box 436) Yakima, Wash. Current production at:	Concrete products, ready-mixed concrete, asphalt paving	YAKIMA COUNTY
Yakima pit Crushing capacity: 250 T./hr.	Sand, gravel, crushed rock	E. side of Yakima River NW $\frac{1}{4}$ sec. 6, (13-19E)
Grandview pit	Sand, gravel	Bank of Yakima River NW $\frac{1}{4}$ sec. 34, (9-23E)

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Abbreviations used:

 Ag - silver
 Au - gold

 Cu - copper
 Mo - molybdenum

 Pb - lead
 Zn - zinc

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Au	Ag	Pb	Zn
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Au	Ag		
Au			
Au	Ag		
Au	Ag		
Au	Ag Cu		Mo
Au	Ag		
Au			
Au	Ag		
Au	Ag Cu		
Au	Ag		
Au	Ag Cu		
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COUNTY INDEX

Abbreviations used:

Ag - silver
Au - gold

Cu - copper
Mo - molybdenum

Pb - lead
Zn - zinc

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Burlington area	Associated Sand & Gravel Co., Inc.	42
" "	Cash & Carry Ready-Mix	45
Clear Lake area	Tennyson, J. L.	61
Mount Vernon area	Miller Sand & Gravel	55
" " "	Nordlund, Robert	56
Sedro Woolley area	Skagit Sand & Gravel	59
	Bar Sand and Gravel	42

SKAMANIA COUNTY

Product	Metallic Operation	Page
Au Ag	Wind River Mining Co.	18
Product		
Building or dimension stone	Beeks, Roberta	20
" " " "	Cascade Slate	21
Mineral water	Bonneville Hot Springs	20
" "	St. Martin's Mineral Hot Springs	37
Pumice	Dura-Blox, Inc.	23

SNOHOMISH COUNTY

Product	Metallic Operations	Page
Au Ag Cu Mo	Kromona Consolidated Mines, Inc.	16
Ag Cu	Mount Index Minerals	16
Au Ag Cu Pb Zn	Polar Bear Mines, Inc.	17
Ag Cu Pb Zn	Valuemines, Inc.	18

Product	Nonmetallic Operations	Page
Building or dimension stone	Miller Lime Co.	32
Clay and clay products	Lowell Brick & Tile Co.	30
Crushed rock and riprap	Louis F. Matheson Construction Co.	30
" " " "	Stoen Construction Co.	39
Limestone	Miller Lime Co.	32
Mineral water	Garland Mineral Springs	24
Peat	Avondale Organic Peat Soil	20
"	Fullers Soils	24
"	Great Northern Pacific Peat Co.	24
"	Joe LaRoche Topsoil & Peat	27
"	Rhod-A-Zalea Gardens	36
Travertine	Verbeck, Dewey	40
	Rock and Sand, Inc.	37

Location	Sand and Gravel Operations	Page
Alderwood Manor	Martin Fuel Co., Inc.	54
Arlington area	Arlington Sand & Gravel Co.	42
" "	Associated Sand & Gravel Co., Inc.	42
Darrington area	Robb, Roy	58
Edmonds area	Boehmer Sand & Gravel	43
" "	Builder's Sand and Gravel Co.	44
Everett area	North Star Sand & Gravel	56
" "	Associated Sand & Gravel Co., Inc.	42
Granite Falls area	M & C Enterprises, Inc.	54
Kenmore area	Western Aggregates, Inc.	63
" "	Louis F. Matheson Construction Co.	53
Marysville area	Edinger Gravel Co., Inc.	47
	Lake City Gravel and Materials, Inc.	52
	Otto & Ross Gravel Co., Inc.	56

SNOHOMISH COUNTY (continued)

Location	Sand and Gravel Operations (continued)	Page
Monroe	Beavers, C. H.	42
North Creek area	Bob's Bulldozing	43
Snohomish	Snohomish Sand & Gravel, Inc.	59
Snohomish area	Crescent Gravel & Supply	46
" "	Pilchuck Sand & Gravel	57
Sultan area	Hoffee Sand and Gravel Co.	49

SPOKANE COUNTY

Product	Nonmetallic Operations	
Building or dimension stone	Empire Granite Co.	23
" " " "	Keene & Son Monument Co.	28
Clay and clay products	Ideal Cement Co.	25
" " " "	International Pipe and Ceramics Corp.	26, 27
Crushed rock	Mills Pottery	32
" "	Carl Carbon, Inc.	21
" "	Empire Granite Co.	23
Portland cement	Inland Asphalt Co.	26
Silica	Ideal Cement Co.	25
	Pacific Silica Co.	35

Location	Sand and Gravel Operations	
Spokane	Ace Concrete Co.	41
"	Cunningham Sand and Gravel Co., Inc.	47
Spokane area	Materne, Jack O.	54
Spokane	Materne Sand Co.	54
"	Spokane Sand and Gravel Co.	60
	Union Sand & Gravel Co., Inc.	62

STEVENS COUNTY

Product	Metallic Operations	
	American Smelting & Refining Co.	13
	American Zinc, Lead and Smelting Co.	13
Ag	Bunker Hill Co.	14
	Clayloon Mining & Fertilizer Co.	15
	Stardust Mining Co.	17
	Tri-Nite Mining Co.	17
	Triton Mining Co.	17
Ag Cu Pb Zn		

Product	Nonmetallic Operations	
Building or dimension stone	International Stone, Inc.	27
" " " "	Jacobsen and Christman	27
" " " "	Janni, Joseph A.	27
" " " "	Kolob Mining & Stone	28
" " " "	Madsen's Quarries	31
" " " "	North American Non-Metallics, Ltd.	33
" " " "	Northwest Marble Products Co.	33

STEVENS COUNTY (continued)

<u>Product</u>	<u>Nonmetallic Operations (continued)</u>	<u>Page</u>
Building or dimension stone	Northwest Stone	34
" " " "	Peter Janni & Sons	35
Clay and clay products	International Pipe and Ceramics Corp.	27
Dolomite	Clayloon Mining & Fertilizer Co.	22
"	Lovejoy Mining & Leasing	30
Limestone	Manufacturers Mineral Co.	31
"	Ideal Cement Co.	25
Magnesite	Northport Limestone Co.	33
Silica sand	Northwest Magnesite Co.	33
Terrazzo chips	Lane Mountain Silica, Inc.	29
" "	International Stone, Inc.	27
" "	Manufacturers Mineral Co.	31
" "	North American Non-Metallics, Ltd.	33
" "	Northwest Marble Products Co.	33
" "	Peter Janni & Sons	35

Location

<u>Chewelah area</u>	<u>Sand and Gravel Operations</u>	
<u>Colville area</u>	<u>Colville Valley Concrete Corp.</u>	46
" "	<u>Colville Valley Concrete Corp.</u>	46

THURSTON COUNTY

Product

<u>Coal</u>	<u>Nonmetallic Operations</u>	
<u>Peat</u>	<u>Stoker Coal Co.</u>	39
"	<u>Monarch Peat Moss Corp.</u>	32
"	<u>Organics Westward Ho, Inc.</u>	34

Location

<u>Nisqually area</u>	<u>Sand and Gravel Operations</u>	
<u>Olympia area</u>	<u>Holroyd Co., Inc.</u>	50
" "	<u>O & K Trucking Co.</u>	56
<u>Rochester area</u>	<u>Olympia Oil and Wood Products Co.</u>	56
<u>Tumwater area</u>	<u>Blackie's Gravel</u>	43

WALLA WALLA COUNTY

Location

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

WHATCOM COUNTY

Product

<u>Building or dimension stone</u>	<u>Scheel Stone Co.</u>	38
" " " "	<u>Wells Creek Quarry</u>	40

WHATCOM COUNTY (continued)

Product	Nonmetallic Operations (continued)	Page
Clay and clay products	Lynden Clay Products, Inc.	31
" " "	The Olympic Portland Cement Co.	34
Limestone	Mitchell Bay Lime Co.	32
"	The Olympic Portland Cement Co.	34
Olivine	Olivine Corp.	34
Portland cement	The Olympic Portland Cement Co.	34
Travertine	Coal Creek Lime Co.	22

Location	Sand and Gravel Operations	
Bellingham	Lind Gravel Co.	53
Bellingham area	Mulka Gravel Co.	55
Blaine area	C. V. Wilder Co.	64
Cederville area	Cowden Gravel	46
Laurel area	C. V. Wilder Co.	64
" "	Doug Pullar Sand & Gravel	47
Lynden area	Lynden Ready Mix	53
" "	Whatcom Builders Supply Co.	63
Sumas area	Sumas Fuel & Transfer Co.	60

WHITMAN COUNTY

Product	Nonmetallic Operation	
Crushed rock	Carl Carbon, Inc.	21

Location	Sand and Gravel Operation	
Colfax area	Faires Equipment Co.	48

YAKIMA COUNTY

Product	Nonmetallic Operations	
Bentonite	Chinook Management Co.	22
Building or dimension stone	Lehman, Burton A.	29
" " " " "	Mount Adams Sheet Rock Quarry	32

Location	Sand and Gravel Operations	
Grandview	Keller Sand & Gravel	51
Parker area	Parker Sand & Gravel Co.	57
Sunnyside	Valley Ready-Mix Concrete Co.	62
Toppenish	F. B. Kerby & Sons Sand & Gravel	51
"	Graham & Morris Construction Co.	49
Yakima	Superior Asphalt & Concrete Co.	60
"	Yakima Cement Products Co.	64

SOME RECENT PUBLICATIONS OF THE DIVISION OF MINES AND GEOLOGY

Division of Mines and Geology Bulletin 37 - Inventory of Washington minerals, Part I, Nonmetallic minerals, by Grant M. Valentine. Revised by Marshall T. Huntting. 1960. 175 p. 39 pls. Price per set (2 volumes — text and maps) \$3.00.

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 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¢. [Includes 26-page supplement published in 1956.]

Division of Mines and Geology Bulletin 50 - Geology and mineral deposits of the north half of the Van Zandt quadrangle, Whatcom County, Washington, by Wayne S. Moen. 1962. 129 p. 4 pls. 41 figs. \$1.50.

Division of Mines and Geology Bulletin 51 - Barite in Washington, by Wayne S. Moen. 1964. 112 p. 2 pls. 37 figs. \$1.00.

Division of Mines and Geology Information Circular 22R - Introduction to Washington geology and resources, by Dr. C. D. Campbell. 1962. 44 p. 5 figs. 25¢.

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¢.

Division of Mines and Geology Information Circular 36 - Mineral rights and land ownership in Washington, by Wayne S. Moen. 1962. 23 p. 1 pl. 2 figs. Free.

Division of Mines and Geology Information Circular 38 - A geologic trip along Snoqualmie, Swauk, and Stevens Pass highways, by University of Washington Geology Department staff. Revised by Vaughn E. Livingston, Jr. 1963. 51 p. 50¢.

Division of Mines and Geology Information Circular 39 - Marketing of metallic and non-metallic minerals, by Donald L. Anderson. 1963. 39 p. 2 figs. Free.

Division of Mines and Geology Information Circular 40 - Caves of Washington, by William R. Halliday. 1963. 132 p. 9 pl. 92 figs. \$1.00.

Division of Mines and Geology Information Circular 41 - Origin of Cascade landscapes, by J. Hoover Mackin and Allen S. Cary. 1965. 35 p. 11 figs. 50¢.

Division of Mines and Geology Report of Investigations 23 - Mineralogy of black sands at Grays Harbor, Washington, by Gerald W. Thorsen. 1964. 29 p. 6 figs. 50¢.

Division of Mines and Geology Geologic Maps GM-2 - Preliminary geologic map of the Cumberland quadrangle, King County, Washington, by Howard D. Gower and Alexander A. Wanek. 1963. Scale: 1:24,000. \$1.00.

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.