State of Washington

Arthur B. Langlie, Governor

Department of Conservation and Development

W. A. Galbraith, Director

DIVISION OF MINES AND GEOLOGY

Sheldon L. Glover, Supervisor

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DIRECTORY OF WASHINGTON MINING OPERATIONS 1953

By

C. Phillips Purdy, Jr.

Olympia, Washington

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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 inactive but produced as recently as 1951 and reasonably may be expected to resume operation; and a few are in a development stage but expect to produce in the near future. The data used are from the files of the Division of Mines and Geology and have been obtained principally through personal contacts with the operators at their mines, quarries, or places of business.

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

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

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

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DIRECTORY OF WASHINGTON MINING OPERATIONS, 1953

By
C. Phillips Purdy, Jr.

INTRODUCTION

ARRANGEMENT AND USE OF THE DIRECTORY

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

Preceding 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 active 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 knonw 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.

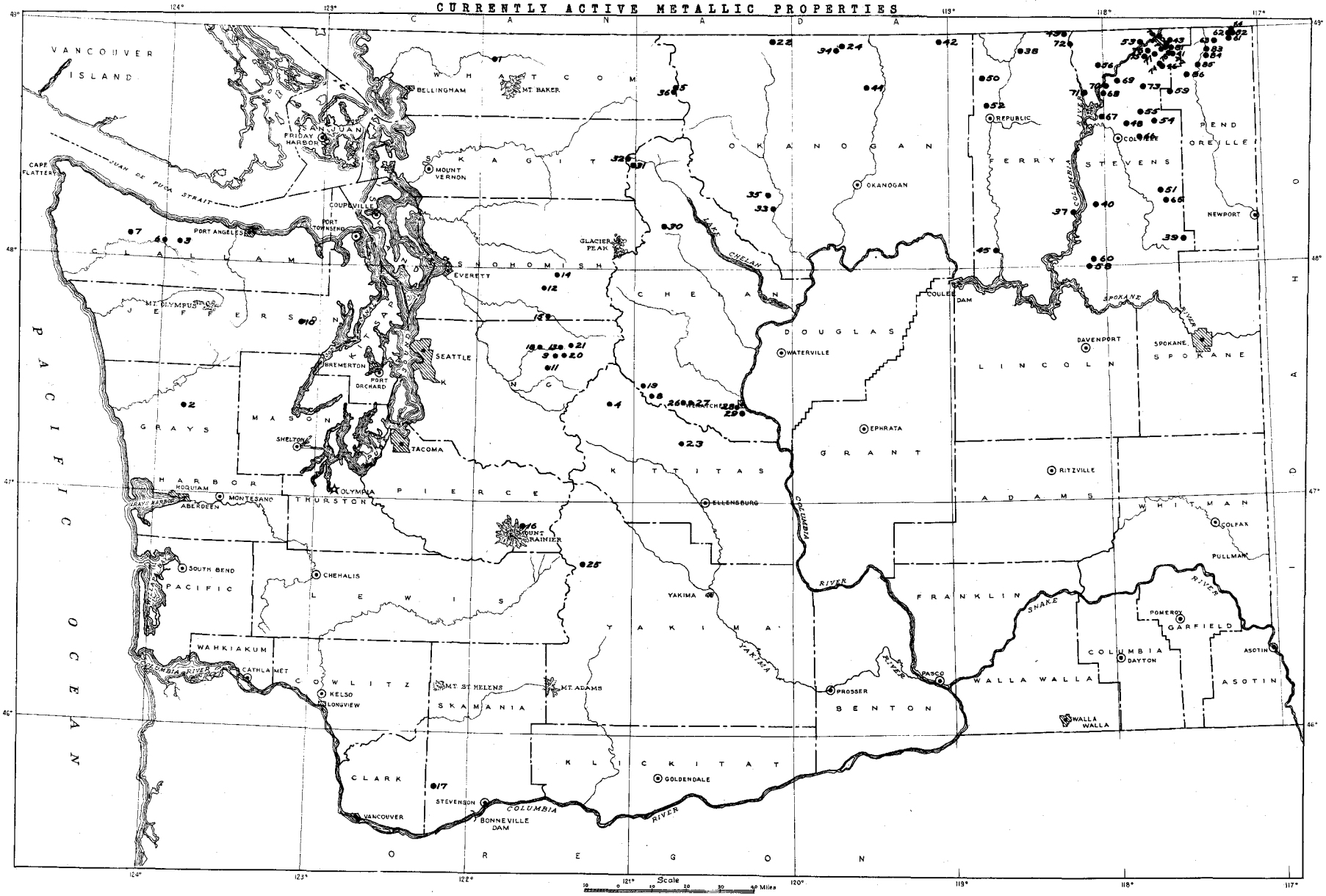
The abbreviations used throughout the directory include:

Ag - silver	Fe - iron	Mo - molybdenum	Sb - antimony
Au - gold	Hg - mercury	Ni - nickel	W - tungsten
Cu - copper	Mn - manganese	Pb - lead	Zn - zinc

Underscoring indicates the metal of principal economic importance.

Locations by legal land descriptions are abbreviated; for example, NE¼ sec. 15, (29-37E), which written in full would be northeast quarter of section 15, township 29 north, range 37 east Willamette meridian.

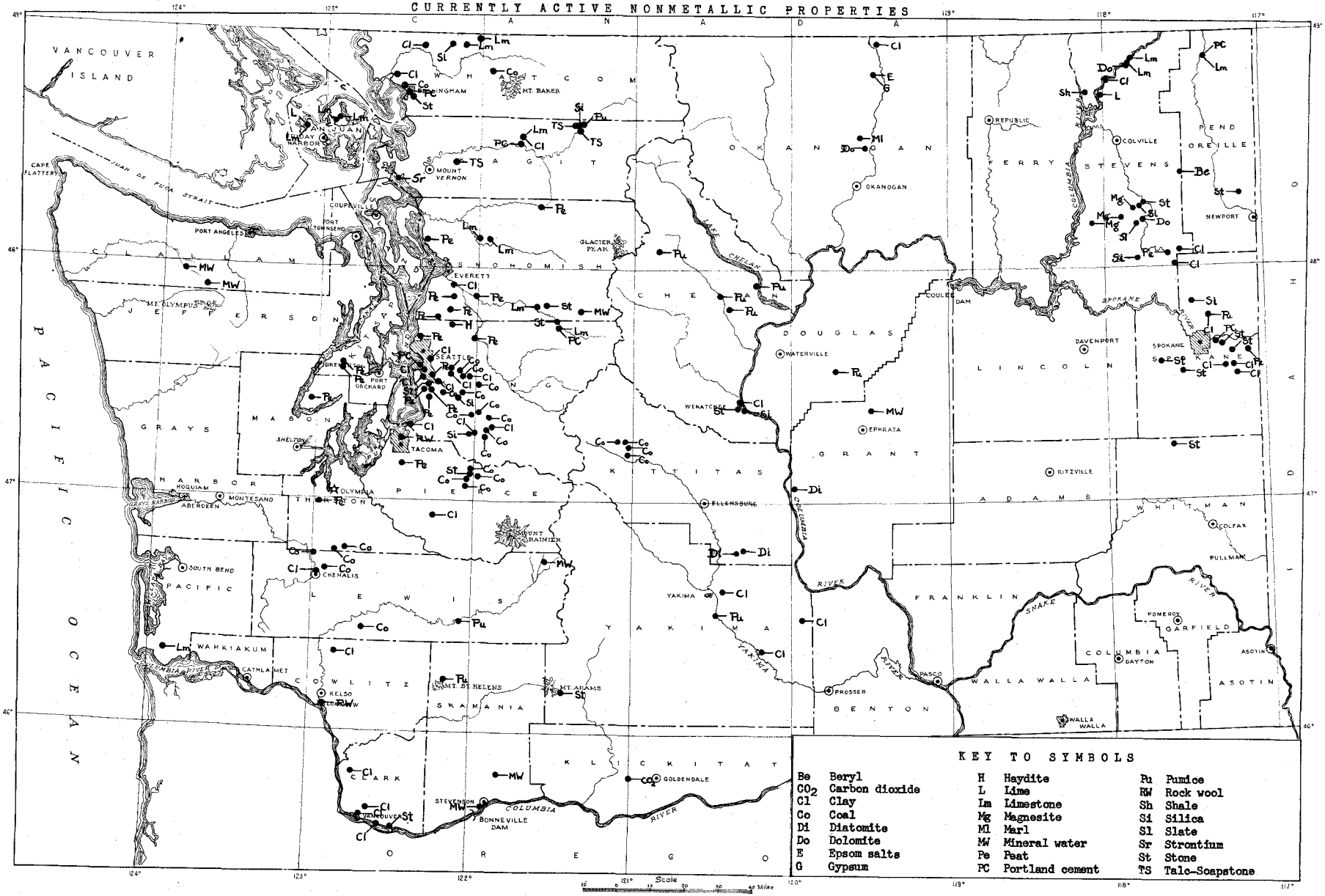
CURRENTLY ACTIVE METALLIC PROPERTIES



KEY TO ACTIVE METALLIC PROPERTIES

1. Glacier
2. Consolidated Minerals
3. Crescent
4. Copper Queen
5. New Light
6. Littleton
7. State Lease
8. Blue Bonnet
9. Consolidated Molybdenum
10. Elkhorn
11. Western States Copper
12. Kromona
13. Bear Basin
14. Iowa
15. Lake Serene
16. Starbo
17. Miners Queen
18. Lennox
19. Pickwick
20. Aces Up
21. Three S Gulch
22. Boundary
23. Nugget
24. Four Metals
25. Indian Creek
26. Pole Pick
27. Gold Bond and Gold Gulch
28. Gold Knob
29. Lovitt
30. Holden
31. Black Warrior
32. Horseshoe Basin (Cu)
33. Bales
34. Gold Crown
35. Alder
36. Golden Arrow
37. Longstreet and Robert E. Lee
38. Drummer
39. Big Q Tungsten
40. Addy
41. Red Iron
42. Chesaw
43. Lucille and Red Top
44. Silver Mountain
45. Ophir
46. Maki, Dosser
47. Gladstone
48. Chloride Queen
49. Talisman
50. Kelly Camp
51. United Copper
52. Knob Hill
53. Riverview
54. Longshot
55. Michigan Boy
56. Black Jack
57. A. Anderson
58. Germania Consolidated
59. Bromide
60. Germania
61. La Sota
62. Bailey and Hanson (Red Top)
63. Bluebird and Lucky Boy
64. Lead Hill
65. Mullen
66. Old Dominion
67. Victory
68. Bonanza
69. Silver Trail
70. Young America
71. Napoleon
72. Kettle River
73. Van Stone
74. Farmer
75. Deep Creek
76. Scandia
77. Advance
78. Lead Trust
79. Anderson
80. Admiral
81. Iroquois
82. Hidden Treasure
83. Pend Oreille
84. Grandview
85. Metaline
86. Jim Creek

CURRENTLY ACTIVE NONMETALLIC PROPERTIES



WASHINGTON MINERAL PRODUCTION (a)

Product	1949		1950	
	Quantity	Value (thousand dollars)	Quantity	Value (thousand dollars)
Abrasive stone:				
Pebbles (grinding)-short tons	20	(c)	25	(c)
Pulpstones ---------- do	28	2	33	2
Antimony ore ---------- do	14	1	------	------
Carbon dioxide, natural (estimated)-thousand cubic feet	(e)	50	(b)	(b)
Clays (except for cement) ------ thousand short tons	220	267	217	252
Coal ---------- do	899	6,029	874	5,829
Copper ---------- short tons	5,275	2,078	5,057	2,104
Gold ---------- troy ounces	71,994	2,520	92,117	3,224
Iron ore (usable) ------ thousand long tons	------	------	------	------
Lead ---------- short tons	6,417	2,028	10,334	2,790
Olivine ---------- do	1,070	(b)	40	(b)
Peat ---------- do	(b)	(b)	------	------
Pumice and pumicite ------ do	8,610	18	11,013	23
Sand and gravel ------ thousand short tons	9,216	6,391	10,606	7,435
Sand and sandstone (ground) ---------- short tons	(b)	(b)	(b)	(b)
Silver - thousand troy ounces	358	324	364	329
Stone (except limestone for cement and lime) ------ thousand short tons	3,689(d)	4,106(d)	4,931	5,735
Zinc ---------- short tons	10,740	2,664	14,807	4,205
Undistributed (f) ----------	------	14,385	------	17,127
Total value	------	40,863	------	49,055

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

(b) Value included with "Undistributed."

(c) Less than $500.

(d) Excludes certain stone included with "Undistributed."

(e) Quantity not available.

(f) Cement, diatomite, epsom salts made from epsomite (1949-50), gem stones, gypsum (1950), lime, magnesite, quartz, stone (dimension, unclassified, 1949), talc, and minerals whose value must be concealed for particular years (indicated in appropriate column by footnote reference b).

Metallic minerals accounted for a total value of $12,652,000, or approximately 25.8 percent of the state's total production in 1950; industrial minerals accounted for the remaining $36,403,000, or 74.2 percent. In 1950 Washington was 29th in rank with 0.41 percent of the total United States mineral output, Idaho was 27th in rank with 0.67 percent, and Oregon was 38th in rank with 0.18 percent.

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METALLIC PRODUCT INDEX

Products						Operation	Page
Gold	Silver	Copper	Lead	Zinc	Other metals		
			X	X		A. Anderson prospect	31
	X		X			Aces Up	31
					W	Addy Mining Co.	31
	X		X	X		Admiral Consolidated Mining Co.	31
X		X		X		Alder Gold-Copper Co.	32
			X	X		Alexander Mining Co.	32
			X	X		American Smelting & Refining Co.	32
	X		X	X		American Zinc, Lead & Smelting Co.	32
			X	X		Bailey and Hanson	32
X	X	X		X		Bear Basin Mining Co., Inc.	33
					W	Big Q Tungsten Mines, Inc.	33
					W	Black Jack mine	33
	X	X	X	X		Black Warrior Mining Co.	33
X	X	X			Ni	Blue Bonnet	33
			X	X		Bluebird and Lucky Boy groups	33
	X		X			Bonanza mine	34
					W	Boundary mine	34
	X		X	X		Bromide	34
X						Calton Mining Co.	34
X		X				Cascade Gold Mining & Milling Co.	34
X	X					Chesaw mine	34
	X		X	X		Chloride Queen group	35
					Mn	Consolidated Minerals Corporation	35
	X	X			Mo,W	Consolidated Molybdenum, Inc.	35
					Mn	Crescent mines	35
					W	Drummer mine	35
					Mn	Elkhorn Mining Co.	35
			X	X		Farmer mine	35
		X	X		W	Four Metals mine	34
					Sb	G. O. P. Antimony, Inc.	36
					Mo,W	Germania Consolidated Mines, Inc.	36
X	X	X				Glacier Mining Co.	36
			X			Gladstone mine	36
X						Gold Bond Mining Co.	36
X						Gold Crown Mines	36
X						Gold Gulch Mining Co.	36
X	X					Gold Knob prospect	36
X	X		X			Golden Arrow	37
	X		X	X		Goldfield Consolidated Mines Co.	37
			X	X		Hidden Treasure prospect	37
X	X	X	X	X		Horseshoe Basin Mining & Development Co.	37

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Products						Operation	Page
Gold	Silver	Copper	Lead	Zinc	Other metals		
X	X	X		X		Howe Sound Co.	38
					Hg	Indian Creek prospect	38
X	X	X				Iowa mine	38
	X		X	X		Jim Creek Mines, Inc.	38
					W	Kelly Camp mine	38
		X	X	X		Kettle River property	38
X	X					Knob Hill Mines, Inc.	38
X	X	X			Mo,W	Kromona Mines Corp.	39
			X	X		La Sota, F. P. and Jones, E. P.	39
X	X	X				Lake Serene Mining Co., Inc.	39
			X			Lead Trust property	39
X	X				Sb	Longstreet & Robert E. Lee	39
X	X					Lovitt Mining Co., Inc.	39
			X	X		Maki, Dosser, Lotze group	39
	X		X	X		Metaline Mining & Leasing Co.	40
			X	X		Michigan Boy	40
X	X	X			Mo	Miners Queen	40
X	X		X	X		Mines Management, Inc.	40
		X				Mount Rainier Mining Co.	40
X	X	X	X	X	Sb	Mullen mine	40
X						Nugget Properties, Inc.	41
	X		X	X		Old Dominion mine	33
X	X		X	X		Ophir group	41
	X		X	X	W	Pacific Northwest Mining Co.	41
	X		X	X		Pend Oreille Mines & Metals Co.	41
X	X	X				Phantom Creek Copper, Inc.	41
	X		X	X	W	Pioneer Mining Co.	42
X	X	X		X		Priestley Mining & Milling Co.	42
			X			Red Iron prospect	42
	X		X	X		Riverview property	42
			X	X		Scandia mine	42
X	X		X	X		Silver Mountain Mining Co., Inc.	42
	X		X			Silver Trail Mining Co.	42
					Fe	Spokane Portland Cement Co.	43
	X		X	X		Sullivan Mining Co.	43
	X	X		X	W	Talisman Mining & Leasing Co.	43
					W	Tungsten Mining & Milling Co.	43
	X	X				United Copper mine	43
X	X	X	X		Sb	Victory property	44
X	X					Western Gold Mining, Inc.	44
X	X	X				Western States Copper Corp.	44
	X		X	X		Young America mine	33

Other metals include:

Fe - iron Mn - manganese Ni - nickel W - tungsten
Hg - mercury Mo - molybdenum Sb - antimony

NONMETALLIC PRODUCT INDEX

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Carbon dioxide	Gas-Ice Corp.	49
Clay and clay products	Abrahamson Brick Co.	45
"	Adderson, J. G.	45
"	Auburn Pottery Co., Inc.	45
"	Builder's Brick Co.	47
"	Chehalis Brick & Tile Co.	48
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"	Johnson Coal Co.	51
"	Kaiser Bros.	51
"	Lowell Brick & Tile Co.	52
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"	Sommer, A. M.	59
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"	Superior Portland Cement, Inc.	61
"	Washington Brick & Lime Co.	62
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Coal	B & R Coal Co.	46
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"	Big 4 Coal Co.	46
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"	Manufacturers Mineral Co.	53
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Product	Operation	Page
Pumicite	Rainier Pumice Co.	58
"	Superior Portland Cement, Inc.	61
Sand-lime brick	Mutual Materials Co.	54
	Washington Brick & Lime Co.	62
Shale	Lehigh Portland Cement Co.	52
"	Spokane Portland Cement Co.	60
Silica and silica sand	Hemphill Brothers, Inc.	50
	Kaiser Bros.	51
"	Lehigh Portland Cement Co.	52
"	Manufacturers Mineral Co.	53
"	Pacific Silica Co.	56
"	Smith Bros. Silica Sand Co.	59
"	Springdale Silica Sand, Inc.	60
Soapstone	Pape, J. L.	57
"	Skagit Talc Products	59
Stone	Empire Granite Co.	48
"	Hemphill Brothers, Inc.	50
"	Kaiser Bros.	51
"	Keene & Son	52
"	Litchfield, A. B.	52
"	Manufacturers Mineral Co.	53
"	Mount Adams Sheet Rock Quarry	54
"	Puget Sound Bridge & Dredging Co.	57
"	Swauk Flag Rock, Inc.	61
"	Walker Cut Stone Co., Inc.	61
"	Watermann-Symington Co.	62
"	Wilkeson-Wenatchee Stone Co.	63
"	Woods, Elmer L.	63
Strontianite and celestite	Manufacturers Mineral Co.	53
Terrazzo chips	Manufacturers Mineral Co.	53
"	Northwest Marble Products	54

COUNTY INDEX

Abbreviations used:

Ag - silver	Fe - iron	Mo - molybdenum	Sb - antimony
Au - gold	Hg - mercury	Ni - nickel	W - tungsten
Cu - copper	Mn - manganese	Pb - lead	Zn - zinc

ASOTIN COUNTY

City	Sand and Gravel Operations	Page
Clarkston	Lewiston Pre-Mix Concrete Co.	71
"	Poe's Sand & Gravel	74
Silcott	Lewiston Pre-Mix Concrete Co.	71

BENTON COUNTY

City	Sand and Gravel Operations	
Kennewick	Layrite Concrete Products of Kennewick, Inc.	71
"	Matheson Sand & Gravel Co.	72
"	Premix Concrete, Inc.	74

CHELAN COUNTY

Product	Metallic Operations	
Ag,Cu,Pb,Zn	Black Warrior Mining Co.	33
Au	Calton Mining Co.	34
Au	Gold Bond Mining Co.	36
Au	Gold Gulch Mining Co.	36
Au,Ag	Gold Knob prospect	36
Au,Ag,Cu,Pb,Zn	Horseshoe Basin Mining & Development Co.	37
Au,Ag,Cu Zn	Howe Sound Co.	38
Au,Ag	Lovitt Mining Co., Inc.	39
Au,Ag,Cu	Phantom Creek Copper, Inc.	41

Product	Nonmetallic Operations	
Clay products	Wenatchee Brick & Tile Co.	62
Pumice	B & K mine	46
"	Sorlie, Arne	59
Silica	Kaiser Bros.	51
Stone	Kaiser Bros.	51
"	Wilkeson-Wenatchee Stone Co.	63

C H E L A N C O U N T Y
(continued)

City	Sand and Gravel Operations	Page
Cashmere	Kane Bros. Concrete Products, Inc.	70
Chelan	Chelan Concrete Co.	66
Leavenworth	Pumice Stone Products, Inc.	75
Wenatchee	Columbia Concrete Pipe Co.	66

C L A L L A M C O U N T Y

Product	Metallic Operation	
Mn	Crescent Mines	35

Product	Nonmetallic Operations	
Mineral water	Olympic Hot Springs	55
"	Sol Duc Hot Springs	59

City	Sand and Gravel Operations	
Port Angeles	Angeles Gravel & Supply Co.	64
"	Randall Kilmer Construction Co.	75

C L A R K C O U N T Y

Product	Nonmetallic Operations	
Clay and	Hidden Brick Co.	51
clay products	Image Clay Pit	51
"	Muffett, C. B., Brick & Tile Co.	54
"	Wilde Co.	63
Molding sand	Wilde Co.	63

City	Sand and Gravel Operations	
Ellsworth	Portland Gravel Co.	74
Fisher	Smithrock Quarry, Inc.	76
Orchards	Smith, Leslie and Calvin	76
Vancouver	B-D Sand & Gravel Co.	64
"	Kampe Sand & Gravel Co.	70
"	Klineline Sand & Gravel	70
"	Pacific Building Materials Co.	74
"	Readymix Concrete Co.	75
Washougal	Camas Sand & Gravel Co.	66
Woodland	Spencer & Son Sand & Gravel	77

C O L U M B I A C O U N T Y

City	Sand and Gravel Operation	
Dayton	Lowry, Jim, Sand & Gravel	72

COWLITZ COUNTY

City	Sand and Gravel Operations	Page
Kelso	Coweeman Gravel Co.	67
Longview	Longview Concrete Pipe Co.	71
"	Losey Bros.	71
"	Star Sand Co.	77
Woodland	Woodland Sand & Gravel	79

DOUGLAS COUNTY

City	Sand and Gravel Operations	
Bridgeport	Bridgeport Sand & Gravel	65
East Wenatchee	Batterman's Quality Sand & Gravel	65
Wenatchee	Rich Sand & Gravel	75

FERRY COUNTY

Product	Metallic Operations	
W	Drummer mine	35
W	Kelly Camp mine	38
Au,Ag	Knob Hill Mines, Inc.	38
Au,Ag Sb	Longstreet & Robert E. Lee	39
Au,Ag Pb,Zn	Ophir group	41
Ag,Cu Zn,W	Talisman Mining & Leasing Co.	43

FRANKLIN COUNTY

City	Sand and Gravel Operations	
Connell	Connell Sand & Gravel	67
Pasco	Brown Sand & Gravel Co.	65
"	Weston Sand & Gravel Co.	79

GRANT COUNTY

Product	Nonmetallic Operations	
Diatomite	Quincy Corp.	57
Mineral water	Soap Lake	59
Pumicite	Superior Portland Cement, Inc.	61

City	Sand and Gravel Operations	
Coulee City	Borst Bros. Sand & Gravel	65
Ephrata	Nelson, M. E., Construction Co.	73
Grand Coulee area	Pryor, W. S.	75
Moses Lake	Columbia Sand & Gravel	66
"	Holmes Bros.	69
Soap Lake	Nichols, Dee, & Sons	73

G R A Y S H A R B O R C O U N T Y

Product	Metallic Operation	Page
Mn	Consolidated Minerals Corporation	35

City	Sand and Gravel Operations	
Aberdeen	Hagara, M. and Snell, A.	68
"	Swano Excavating Co.	78
Elma	Cloquallum Sand & Gravel	66
Hoquiam	Hammond, A. W.	68
Montesano	Hagara, M. and Snell, A.	68
"	Quigg Bros. Construction Co.	75

J E F F E R S O N C O U N T Y

Product	Metallic Operation	
Mn	Elkhorn Mining Co.	35

City	Sand and Gravel Operation	
Port Ludlow area	General Construction Co.	68

K I N G C O U N T Y

Product	Metallic Operations	
Ag Pb	Aces Up	31
Pb,Zn	Alexander Mining Co.	32
Au,Ag,Cu Zn	Bear Basin Mining Co., Inc.	33
Ag,Cu Mo,W	Consolidated Molybdenum, Inc.	35
Au,Ag,Cu Zn	Priestley Mining & Milling Co.	42
Au,Ag,Cu	Western States Copper Corp.	44

Product	Nonmetallic Operations	
Clay and clay products	Abrahamson Brick Co.	45
"	Adderson, J. G.	45
"	Auburn Pottery Co., Inc.	45
"	Builder's Brick Co.	41
"	Gladding, McBean & Co.	50
"	Johnson Coal Co.	51
"	Stilwell, J. B.	60
"	Superior Portland Cement, Inc.	61
"	Washington Pottery Co.	62
Coal	B & R Coal Co.	46
"	Bianco Coal Mines	46
"	Big 4 Coal Co.	46
"	C & M Coal Co.	47

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

Product	Nonmetallic Operations (cont.)	Page
Coal (cont.)	Draghi, Louis	48
"	Olson Fuel Co.	55
"	Palmer Coking Coal Co., Inc.	56
"	Springbrook Mining Co.	60
"	Terteling, J. A., & Sons, Inc.	61
Limestone	Northwestern Portland Cement Co.	55
Molding sand	Cavanaugh Moulding Sand Co.	48
Peat	Arbor Lake Humus Co.	45
"	Argus Super Humus	45
"	Arrow Lake Humus Co.	45
"	Black Gold Humus	46
"	Bow Lake Farms	47
"	Bow Lake Humus Co.	47
"	Carlson, Eric E.	48
"	Federal Way Humus Co.	49
"	Fuller Soils	49
"	Hi-Line Leaf Mold Products	51
"	Hord, R. S.	51
"	Kent & Tucker	52
"	Mount View Humus Co.	54
"	Plant Food Co.	57
"	Seola Humus Co.	58
"	Setzer, Max	58
"	Wogsland, C. G.	63
Portland cement	Northwestern Portland Cement Co.	55
Sand-lime brick	Mutual Materials Co.	54
Silica sand	Smith Bros. Silica Sand Co.	59
Stone	Hemphill Brothers, Inc.	50
"	Puget Sound Bridge & Dredging Co.	57

City	Sand and Gravel Operations	
Alderwood Manor area	Suburban Sand & Gravel, Inc.	77
Auburn	Meade Sand & Gravel Co.	72
"	Miles Co.	73
Bellevue	Lakeside Gravel Co., Inc.	71
Enumclaw	Tougaw & Olson, Inc.	78
Issaquah	Issaquah Sand & Gravel	69
"	Sutter, Louis	78
Kenmore	Northlake Sand & Gravel Co.	74
Kirkland	Kirkland Sand & Gravel Co.	70
Lake City	Lake City Gravel & Materials, Inc.	71

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

City	Sand and Gravel Operations (cont.)	Page
Maple Valley	Western Gravel Co.	79
Redmond	Cadman Gravel Co.	66
Renton	Stoneway Dock Co.	77
Seattle	Black River Quarry, Inc.	65
"	Klinker Sand & Gravel Co.	70
"	Meade Sand & Gravel Co.	72
"	Mitual Materials Co.	73
"	Puget Sound Bridge & Dredging Co.	75

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

City	Sand and Gravel Operations	
Bremerton	Bremerton Gravel & Asphalt Co.	65
"	Teel Bros. Contractors	78
Port Blakely	Bainbridge Sand & Gravel Co.	64
Port Orchard	Morrison Gravel Co.	73
"	South Kitsap Gravel Co., The	77
Poulsbo	Lanning, Oliver	71

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

Product	Metallic Operations	
Au,Ag,Cu Ni	Blue Bonnet	33
Au Cu	Cascade Gold Mining & Milling Co.	34
Au	Nugget Properties, Inc.	41

Product	Nonmetallic Operations	
Coal	Northwestern Improvement Co.	55
"	Roslyn-Cascade Coal Co.	58
Diatomite	Kaiser Bros.	51
"	Kittitas Diatomite Co.	52
Stone	Swauk Flag Rock, Inc.	61

City	Sand and Gravel Operations	
Thorp	Hutchinson Sand & Gravel Co.	69
Thrall	Ellensburg Cement Products, Inc.	67

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

Product	Nonmetallic Operation	
Carbon dioxide	Gas-Ice Corp.	49

City	Sand and Gravel Operation	
Bingen	Bingen Sand & Gravel Co.	65

L E W I S C O U N T Y

Product	Nonmetallic Operations	Page
Clay products	Chehalis Brick & Tile Co.	48
Coal	Black Prince Coal Co.	47
"	Monarch Coal Mining Co.	53
"	Stoker Coal Mining Co.	60
Mineral water	Ohanapecosh Hot Springs	55

City	Sand and Gravel Operations	
Centralia	Martin Sand & Gravel Co.	72
"	Pacific Sand & Gravel Co.	74
"	Twin City Sand & Gravel Co.	78

M A S O N C O U N T Y

Product	Nonmetallic Operation	
Peat	Peninsula Peat Producers, Inc.	57

City	Sand and Gravel Operations	
Shelton	John's Creek Sand & Gravel	70
"	Mason Materials Co.	72

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

Product	Metallic Operations	
Au Cu Zn	Alder Gold-Copper Co.	32
Cu, Pb W	Border Lord Mining Co.	34
Au, Ag	Chesaw mine	34
Sb	G. O. P. Antimony, Inc.	36
Au	Gold Crown Mines	36
Au, Ag Pb, Zn	Silver Mountain Mining Co., Inc.	42

Product	Nonmetallic Operations	
Dolomite	Brown, N. W. L.	47
Epsom salts	Laucks Chemical Co.	52
Gypsum	Laucks Chemical Co.	52
Marl	Washington Natural Products Co.	62

City	Sand and Gravel Operations	
Brewster	Thornton Sand & Gravel	78
Okanogan	Columbia Concrete Pipe Co.	66
Twisp	Schrier, R. D.	76

PACIFIC COUNTY

Product	Nonmetallic Operations	Page
Limestone	Columbia Rock Lime	48

City	Sand and Gravel Operations	
Naselle	M W Logging Co.	72
South Bend	Beaty, A. H.	65
"	Hammond, A. W.	68
"	Willapa Harbor Quarries, Inc.	79

PEND OREILLE COUNTY

Product		Metallic Operations	
Ag	Pb,Zn	American Zinc, Lead & Smelting Co.	32
	Pb,Zn	Bailey and Hanson	32
	Pb,Zn	Bluebird and Lucky Boy groups	33
Ag	Pb,Zn	Bromide	34
	Pb,Zn	Hidden Treasure prospect	37
Ag	Pb,Zn	Jim Creek Mines, Inc.	38
	Pb,Zn	La Sota, F. P. and Jones, E. P.	39
Ag	Pb,Zn	Metaline Mining & Leasing Co.	40
Ag	Pb,Zn	Pend Oreille Mines & Metals Co.	41
Ag	Pb,Zn	Sullivan Mining Co.	43

Product	Nonmetallic Operations	
Limestone	Lehigh Portland Cement Co.	52
Portland cement	Lehigh Portland Cement Co.	52
Shale	Lehigh Portland Cement Co.	52
Silica	Lehigh Portland Cement Co.	52

City	Sand and Gravel Operation	
Newport	Romero Bros.	76

PIERCE COUNTY

Product	Metallic Operation	
Cu	Mount Rainier Mining Co.	40

Product	Nonmetallic Operations	
Clay	Builder's Brick Co.	47
Coal	Carbonado Coal Co.	47
"	Northwestern Improvement Co.	55
"	Savage mine	58
"	Wilkeson-Wingate Coal Co.	63
Peat	Fircrest Peat Co.	49
Stone	Litchfield, A. B.	52
"	Walker Cut Stone Co., Inc.	61

PIERCE COUNTY (continued)

City	Sand and Gravel Operations	Page
Clover Park area	Barlow, C. S., & Sons, Inc.	64
Lakeview	Harrison Brothers Co., The	69
Puyallup	Hill Top Gravel Co.	69
Steilacoom	Glacier Sand & Gravel Co.	68
"	Pioneer Sand & Gravel Co.	74
Sumner	Corliss, Tim, & Son	67
Tacoma	Holroyd Co.	69

SAN JUAN COUNTY

Product	Nonmetallic Operations	
Lime	Roche Harbor Lime & Cement Co.	58
Limestone	Everett Lime Co.	48
"	Roche Harbor Lime & Cement Co.	58

SKAGIT COUNTY

Product	Nonmetallic Operations	
Clay	Superior Portland Cement, Inc.	61
Limestone	Superior Portland Cement, Inc.	61
Portland cement	Superior Portland Cement, Inc.	61
Pumicite	Rainier Pumice Co.	58
Silica	Hemphill Brothers, Inc.	50
Soapstone	Pape, J. L.	57
"	Skagit Talc Products	59
Strontianite and celestite	Manufacturers Mineral Co.	53

City	Sand and Gravel Operations	
Mount Vernon	Mount Vernon Building Material Co.	73
"	Nordlund, Bob	74
"	Skagit Gravel Co.	76

SKAMANIA COUNTY

Product	Metallic Operation	
Au,Ag,Cu Mo	Miners Queen	40

Product	Nonmetallic Operations	
Mineral water	Moffett's Hot Springs	53
"	St. Martin's Mineral Hot Springs	58

SKAMANIA COUNTY
(continued)

City	Sand and Gravel Operation	Page
North Bonneville	Rock Products, Inc.	76

SNOHOMISH COUNTY

Product	Metallic Operations	
Au,Ag,Cu	Iowa mine	38
Au,Ag,Cu Mo,W	Kromona Mines Corp.	39
Au,Ag,Cu	Lake Serene Mining Co., Inc.	39

Product	Nonmetallic Operations	
Clay products	Lowell Brick & Tile Co.	52
Limestone	Miller Lime Co.	53
"	Morcrop Lime Co.	53
Mineral water	Garland Mineral Springs	49
Peat	Bassett's Garden Supplies	46
"	Evergreen Humus Co., The	48
"	Vick's Garden Supply	61
Stone	Manufacturers Mineral Co.	53

City	Sand and Gravel Operations	
Arlington	Arlington Sand & Gravel Co.	64
East Stanwood	Haglund, Allie J.	68
Everett	Associated Sand & Gravel Co.	64
"	St. Aubin, Ernest	76
Monroe	Monroe Sand & Gravel Co.	73
Snohomish	Clearview Sand & Gravel Co.	76
"	Snohomish Sand & Gravel	77

SPOKANE COUNTY

Product	Nonmetallic Operations	
Clay and	Washington Brick & Lime Co.	62
clay products	Gladding, McBean & Co.	50
"	Noyd, Clarence A.	55
"	Pirello Bros.	57
"	Sommer, A. M.	59
Peat	Morrison, Harry	54
Sand-lime brick	Washington Brick & Lime Co.	62
Silica	Pacific Silica Co.	56
Stone	Empire Granite Co.	48
"	Keene & Son	52

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

City	Sand and Gravel Operations	Page
Dishman	Dishman Ready Mix	67
Spokane	Ace Sand & Gravel Co.	64
"	Acme Sand & Gravel Co.	64
"	Cunningham, Paul, Sand & Gravel	67
"	Green, Bernard	68
"	Green Co., The	68
"	Hanson Sand Co.	69
"	Inland Asphalt Co.	69
"	Materne Sand Co.	72
"	Spokane Sand & Gravel Co.	77
"	Union Sand & Gravel Co.	79

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

Product			Metallic Operations	
	Pb,Zn		A. Anderson prospect	31
		W	Addy Mining Co.	31
	Pb,Zn		Admiral Consolidated Mining Co.	31
	Pb,Zn		American Smelting & Refining Co.	32
		W	Big Q Tungsten Mines, Inc.	33
		W	Black Jack mine	33
Ag	Pb,Zn		Bonanza Lead	33
Ag	Pb		Bonanza mine	34
Ag	Pb,Zn		Chloride Queen group	35
	Pb,Zn		Farmer mine	35
		W,Mo	Germania Consolidated Mines, Inc.	36
	Pb		Gladstone mine	36
Ag	Pb,Zn		Goldfield Consolidated Mines Co.	37
Cu,	Pb,Zn		Kettle River property	38
	Pb		Lead Trust property	39
	Pb,Zn		Maki, Dosser, Lotze group	39
	Pb,Zn		Michigan Boy	40
Au,Ag	Pb,Zn		Mines Management, Inc.	40
Au,Ag,Cu,	Pb,Zn,Sb		Millen mine	40
Ag	Pb,Zn,W		Pacific Northwest Mining Co.	41
Ag	Pb,Zn,W		Pioneer Mining Co.	42
	Pb		Red Iron prospect	42
Ag	Pb,Zn		Riverview property	42
	Pb,Zn		Scandia mine	42
Ag	Pb		Silver Trail Mining Co.	42
		Fe	Spokane Portland Cement Co.	43
		W	Tungsten Mining & Milling Co.	43
Ag,Cu			United Copper mine	43
Au,Ag,Cu,Pb		Sb	Victory property	44

STEVENS COUNTY (continued)

Product	Nonmetallic Operations	Page
Beryl	Railway Dike Pegmatite	57
Clay	Fitzgerald, M. A. (Mrs.)	49
"	Washington Brick & Lime Co.	62
Dolomite	Manufacturers Mineral Co.	53
"	Pacific Northwest Alloys, Inc.	56
Lime	United States Gypsum Co.	61
Limestone	Janni, Peter, & Sons	51
"	Spokane Portland Cement Co.	60
"	United States Gypsum Co.	61
Magnesite	Northwest Magnesite Co.	54
Molding sand	Manufacturers Mineral Co.	53
Peat	Gardner, Donovan E.	49
Portland cement	Spokane Portland Cement Co.	60
Shale	Spokane Portland Cement Co.	60
Silica sand	Manufacturers Mineral Co.	53
"	Springdale Silica Sand, Inc.	60
Stone	Watermann-Symington Co.	62
Terrazzo chips	Manufacturers Mineral Co.	53
"	Northwest Marble Products	54

City	Sand and Gravel Operation	
Colville	Colville Valley Concrete Co.	67

THURSTON COUNTY

Product	Nonmetallic Operations	
Coal	Strain Coal Co.	60
Peat	Sharp, J. Arnold	58

City	Sand and Gravel Operation	
Tenino	Nelson: James, Robert, and Mrs. Gust	73

WALLA WALLA COUNTY

City	Sand and Gravel Operations	
Walla Walla	Jones-Scott Co.	70
Waitsburg	Seaton, Stanley, Sand & Gravel	76

W H A T C O M C O U N T Y

Product	Metallic Operations	Page
Au,Ag,Cu	Glacier Mining Co.	36
Au,Ag Pb	Golden Arrow	37
Au,Ag	Western Gold Mining, Inc.	44

Product	Nonmetallic Operations	
Clay	Olympic Portland Cement Co., Ltd., The	56
Coal	Bellingham Coal Mines Co.	46
"	Goshen Coal Co.	50
Limestone	Mitchell Bay Lime Co.	53
"	Olympic Portland Cement Co., Ltd., The	56
Portland cement	Olympic Portland Cement Co., Ltd., The	56
Stone	Woods, Elmer L.	63

City	Sand and Gravel Operations	
Bellingham	Lind Gravel Co.	71
Lynden	Swope Sand & Gravel Co.	78

W H I T M A N C O U N T Y

City	Sand and Gravel Operation	
Colfax	Michelson Ready Mix	72

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

Product	Metallic Operation	
Hg	Indian Creek prospect	38

Product	Nonmetallic Operations	
Clay and clay products	Granger Clay Products Co.	50
	Kaiser Bros.	51
Stone	Mount Adams Sheet Rock Quarry	54

City	Sand and Gravel Operations	
Grandview	Keller, C. E.	70
"	Yakima Cement Products Co.	80
Granger	Thompson, John	78
Mabton	Sears, Philip	76
Parker	Tobin, Francis J.	78
Selah	Brandt, Joe	65
Sunnyside	Stinson, Howard	77
"	Valley Ready Mix Concrete	79
Toppenish	Graham & Morris Construction Co.	68
"	Kerby, F. B., & Sons	70
Yakima	Superior Concrete Products	77
"	Valley Cement Co.	79
"	Yakima Cement Products Co.	80

METALLIC MINING OPERATIONS

Abbreviations used:

Ag - silver	Fe - iron	Mo - molybdenum	Sb - antimony
Au - gold	Hg - mercury	Ni - nickel	W - tungsten
Cu - copper	Mn - manganese	Pb - lead	Zn - zinc

Underscoring indicates metal of principal economic importance.

Locations by legal land descriptions are abbreviated; for example, NE¼ sec. 15, (29-37E), which written in full would be northeast quarter of section 15, township 29 north, range 37 east Willamette meridian.

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
A. ANDERSON PROSPECT Grandview Mines Karl W. Jasper, Pres. 310-11 Radio Central Bldg. Spokane 4, Wash. Current development.	Pb, Zn	STEVENS COUNTY NE¼ sec. 3, (39-41E)
ACES UP Henry Trenk, lessee Box 79 Skykomish, Wash. Current development.	Ag, Pb	KING COUNTY Miller River district Secs. 30, 31, (25-11E)
ADDY MINING CO. R. J. Weller, W. C. Weller, partners North 633 Madelia St. Spokane, Wash. Current development at old Washington Metals property.	W	STEVENS COUNTY Sec. 19, (32-38E)
ADMIRAL CONSOLIDATED MINING CO. Mrs. J. Richard Brown, Secy.-Treas. 409 American Legion Bldg. Spokane 1, Wash. Ernest Woodard, Mine Supt. Northport, Wash. 75-ton flotation mill. Current production.	Zn, Pb, Ag	STEVENS COUNTY Northport district Sec. 36, (40-41E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
ALDER GOLD-COPPER CO. Roy K. Magney, Secy. 405 Realty Bldg., Spokane 1, Wash. Harvey F. Stone, Mine Mgr. Twisp, Wash. 300-ton flotation mill. Current production from Alder mine.	Cu, Zn, Au	OKANOGAN COUNTY Twisp district Sec. 36, (33-21E)
ALEXANDER MINING CO. Alexander J. Akishin 1230 E. 89th, Seattle, Wash. Current development at Three S Gulch property.	Zn, Pb	KING COUNTY Miller River district NW¼ sec. 16, (25-11E)
AMERICAN SMELTING & REFINING CO. 600 Pacific National Life Bldg. Salt Lake City, Utah. 1,000-ton mill. Current production at Van Stone mine.	Zn, Pb	STEVENS COUNTY Northport district Sec. 33, (38-40E)
AMERICAN ZINC, LEAD & SMELTING CO. Paul Brown Bldg. St. Louis, Mo. D. I. Hayes, Western Mgr. 927 Old National Bank Bldg. Spokane 1, Wash. John W. Currie, Gen. Supt. Metaline Falls, Wash. 750-ton flotation mill. Have operating agreement with Grandview Mines, Inc. Current production from Grandview mine	Zn, Pb, Ag	PEND OREILLE COUNTY Metaline district Secs. 14, 15, 22, 30, (39-43E)
Lead Hill mine Current development	Pb, Zn	Slate Creek district Sec. 14, (40-44E)
Bluebird property Under lease from William Dumont.	Zn, Pb	Slate Creek district Sec. 30, (40-44E) Sec. 25, (40-43E)
BAILEY AND HANSON (Red Top Property) Raymond Bailey and associates Metaline Falls, Wash. Under option to Grandview Mines, Inc. and Metaline Mining and Leasing Co. 310-311 Radio Central Bldg. Spokane 4, Wash. Current development.	Zn, Pb	PEND OREILLE COUNTY Slate Creek district Sec. 1, (40-44E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
BEAR BASIN MINING CO., INC. James R. Crippen, Pres. 1522 Lafayette N., Bremerton, Wash. Current development at Silver tunnel.	Ag, Au, Cu, Zn	KING COUNTY Buena Vista district Secs. 13, 14, 23, 24, (25-10E)
BIG Q TUNGSTEN MINES, INC. W. M. Quigley, Pres. 417 Lloyd Bldg., Seattle 1, Wash. Current development.	W	STEVENS COUNTY Blue Grouse Mountain Sec. 16, (30-42E)
BLACK JACK MINE Loyd Jacobsen Northport, Wash. Current exploration.	W	STEVENS COUNTY Fifteenmile Creek district Sec. 19, (39-38E)
BLACK WARRIOR MINING CO. Frank Funkhouser, Pres. 1329 Old National Bank Bldg. Spokane 1, Wash. R. H. Gans, Secy. 1232 9th St., Wenatchee, Wash. Howard Harris, Mine Mgr. Stehekin, Wash. Current development.	Zn, Cu, Pb, Ag	CHELAN COUNTY Horseshoe Basin district Sec. 32, (35-15E)
BLUE BONNET Riley Williams and associates 1509 Summit View Ave., Yakima, Wash. Current development.	Cu, Ni, Au, Ag	KITTITAS COUNTY Camp Creek area SE¼ sec. 25, (23-14E)
BLUEBIRD and LUCKY BOY GROUPS William Dumont and associates c/o H. L. Kimmel, Newport, Wash. Current development. Bluebird group under lease to American Zinc, Lead & Smelting Co.	Zn, Pb	PEND OREILLE COUNTY Slate Creek district Sec. 30, (40-44E) Sec. 25, (40-43E)
BONANZA LEAD E. B. Gibbs Box 111, Colville, Wash.		
Old Dominion mine Current development	Ag, Pb, Zn	STEVENS COUNTY Colville district Sec. 9, (35-40E)
Young America mine Current development.	Zn, Pb, Ag	STEVENS COUNTY Bossburg district SW¼ sec. 28, (38-38E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
BONANZA MINE Anaconda Copper Mining Co. J. H. Glover, Mill Supt. Winton L. Seymour, Mine Supt. P. O. Box 69, Colville, Wash. Current development.	Pb, Ag	STEVENS COUNTY Clugston Creek district Secs. 2, 11, (37-38E)
BORDER LORD MINING CO. Ralph B. Lane, Pres. Stanley E. Sorenson, V. P.-Gen. Mgr. 111 Eastlake Ave. Seattle 9, Wash. Current development at:	W	OKANOGAN COUNTY
Boundary mine	W	Wolframite Mountain Secs. 7, 18, (40-22E)
Four Metals mine.	W, Cu, Pb	Nighthawk district Sec. 22, (40-25E)
BROMIDE F. P. La Sota and C. Clarke Metaline Falls, Wash. Current development.	Ag, Pb, Zn	PEND OREILLE COUNTY Slate Creek district Secs. 2, 10, (37-41E)
CALTON MINING CO. Ray C. Avons, Pres. R.F.D. 1, Leavenworth, Wash. Operating agreement with Gold Bond Mining Co. Current development at Pole Pick mine.	Au	CHELAN COUNTY Blewett district NE¼SE¼ sec. 3, (22-17E)
CASCADE GOLD MINING & MILLING CO. John E. Baldwin, Pres. 8480 Beverly Blvd. Los Angeles 48, Calif. Ernest Durrwachter, Dir. 739 N. 72nd St. Seattle, Wash. Current development at Copper Queen and Mineral Creek properties.	Cu, Au	KITTITAS COUNTY Mineral Creek district SE¼ sec. 6, (22-13E)
CHESAW MINE C. N. Bagwell Homer B. Splawn Suite 318, Larson Bldg. Yakima, Wash. Current development.	Au, Ag	OKANOGAN COUNTY Meyers Creek district Sec. 16, (40-30E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
CHLORIDE QUEEN GROUP L. L. Wartes, lessee Equitable Bldg., Portland, Oregon. Current development.	Zn, Pb, Ag	STEVENS COUNTY Clugston Creek area Sec. 23, (36-39E)
CONSOLIDATED MINERALS CORPORATION Ronald Barnes 1616 Exchange Bldg., Seattle 4, Wash. Current production.	Mn	GRAYS HARBOR COUNTY Quinault area Secs. 19, 30, 31, (22-9W) Sec. 25, (22-10W)
CONSOLIDATED MOLYBDENUM, INC. V. M. Osterberg, Pres. 25 Bateman Bldg. Kennewick, Wash. Current development.	Mo, W, Ag, Cu	KING COUNTY Devils Canyon SE¼ sec. 27, (25-10E)
CRESCENT MINES Mel Lewis K. E. Hopper Sam Marsh Star Route 1, Box 22A Port Angeles, Wash. Current production and stockpiling from:	Mn	CLALLAM COUNTY
Crescent mine		Secs. 23, 24, (30-10W)
Littleton prospect		N½ sec. 20, (30-10W)
State Lease.		NW¼SE¼ sec. 16, (30-12W)
DRUMMER MINE Charles Graham and associates Colville, Wash. Current development.	W	FERRY COUNTY NE¼NW¼ sec. 5, (39-34E)
EIKHORN MINING CO. F. H. Karnes Brinnon, Wash. Current development.	Mn	JEFFERSON COUNTY Secs. 13, 24, (26-4W)
FARMER MINE Tom D. Farmer, owner E. 2103 Wellesley Ave. Spokane 27, Wash. Farmer Mine Enterprises, lessees Oliver W. Harris Northport, Wash. Current development.	Zn, Pb	STEVENS COUNTY Northport district Sec. 34, (39-41E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
G. O. P. ANTIMONY, INC. Ernest Oberbillig, Pres. Norton Pearson, Vice Pres. Omak, Wash. 40-ton mill. Current production from Bales claim.	Sb	OKANOGAN COUNTY Carlton area NE¼ sec. 17, (32-22E)
GERMANIA CONSOLIDATED MINES, INC. H. G. Loop, Managing Director 401 Empire State Bldg. Spokane 1, Wash. Current production at the Keeth mine.	W, Mo	STEVENS COUNTY Deer Trail district Secs. 13, 23, 24, (29-37E)
GLACIER MINING CO. J. R. Atkeson, Secy.-Treas. 4039 Evanston Ave., Seattle 3, Wash. Current development.	Cu, Ag, Au	WHATCOM COUNTY Glacier district Sec. 4, (39-7E)
GLADSTONE MINE A. G. Lotz, Cedar Creek Northport, Wash. Leasing mine from Gladstone Mountain Mining Co. Current production.	Pb	STEVENS COUNTY Northport district Sec. 18, (39-42E)
GOLD BOND MINING CO. Frank Lilly, Pres. 300 Columbia Bldg., Spokane, Wash. Current development.	Au	CHELAN COUNTY Blewett district Culver Gulch and Nigger Creek
GOLD CROWN MINES Perry O. Luce and associates Loomis, Wash. Current development.	Au	OKANOGAN COUNTY Chopaka district Sec. 32, (40-25E)
GOLD GULCH MINING CO. John A. Youngman, Pres. Coeur d'Alene, Idaho. Current development.	Au	CHELAN COUNTY Blewett district Culver Gulch
GOLD KNOB PROSPECT Anaconda Copper Mining Co., lessee Wenatchee, Wash. Current development.	Au, Ag	CHELAN COUNTY Squaw Saddle area Sec. 16, (22-20E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
GOLDEN ARROW Walter Gourlie, owner Twisp, Wash. E. H. Spafford 11 W. 29th Ave. Spokane 41, Wash. Current production.	Au, Ag, Pb	WHATCOM COUNTY Slate Creek district NE¼ sec. 34, (38-17E)
GOLDFIELD CONSOLIDATED MINES CO. E. A. Julian, Vice Pres.-Gen. Mgr. 1 Montgomery St. San Francisco, Calif. T. Higginbotham, Resident Mgr. Al Quine, Mine Supt. Colville, Wash. 300-ton flotation mill.		
Anderson mine Current production	Zn, Pb	STEVENS COUNTY Northport district Sec. 2, (39-41E)
Deep Creek mine Current production.	Zn, Pb, Ag	STEVENS COUNTY Northport district Secs. 23, 24, (39-40E)
GRANDVIEW MINES, INC. Karl W. Jasper, Pres. 310 Radio Central Bldg. Spokane 4, Wash. Operating agreement with American Zinc, Lead & Smelting Co.		
HIDDEN TREASURE PROSPECT Thomas Dougherty and associates Under option to Grandview Mines, Inc. and Metaline Mining & Leasing Co. 310-311 Radio Central Bldg. Spokane 4, Wash. Current exploration.	Zn, Pb	PEND OREILLE COUNTY Slate Creek district NW¼ sec. 12, (40-44E)
HORSESHOE BASIN MINING & DEVELOPMENT CO. Martin A. Morrison, Pres.-Treas. 619 4th St. Bremerton, Wash. Robert A. Rukke 5209 Clarkston St. Tacoma, Wash. Current development.	Pb, Ag, Zn, Au, Cu	CHELAN COUNTY Upper Horseshoe Basin N½ sec. 29, (35-15E) NE¼ sec. 32, (35-15E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
HOWE SOUND CO. H. H. Sharp, Pres. 730 Fifth Ave., New York, N. Y. John J. Curzon, Mgr. Howe Sound Co., Chelan Division Holden, Wash. 2,000-ton flotation mill. Current production from Holden mine.	Cu, Zn, Au, Ag	CHELAN COUNTY Holden area Secs. 12, 13, (31-16E) Secs. 18, 19, (31-17E)
INDIAN CREEK PROSPECT Ray R. Whiting Milton T. Roumm 6226 22nd Ave. N.E., Seattle, Wash. Current development.	Hg	YAKIMA COUNTY Indian Creek Sec. 11, (14-12E)
IOWA MINE Robert Curtiss Route 1, Box 156 Monroe, Wash. Lessee of Mint claim from Sultan Basin Mining Co. Current development.	Cu, Ag, Au	SNOHOMISH COUNTY Sultan Basin district Sec. 27, (29-10E)
JIM CREEK MINES, INC. Val Y. Preston, Pres. 1114 W. Second Ave., Spokane 4, Wash. Current development and stockpiling.	Pb, Zn, Ag	PEND OREILLE COUNTY Smackout Pass district Secs. 9, 15, (38-42E)
KELLY CAMP MINE Ole Aavestrud and C. J. Weller, owners Republic, Wash. Current development.	W	FERRY COUNTY Republic district E½ sec. 4, (38-32E)
KETTLE RIVER PROPERTY Walter S. Bliss Orient, Wash. Current development and stockpiling.	Zn, Pb, Cu	STEVENS COUNTY Orient district Sec. 35, (40-36E)
KNOB HILL MINES, INC. A. R. Patterson, Mine Supt. Republic, Wash. Properties at Republic: Knob Hill, Mountain Lion, Rebate. 400-ton flotation mill with cyanidation of tailings. Current production.	Au, Ag	FERRY COUNTY Republic district Secs. 22, 26, 27, (37-32E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
KROMONA MINES CORP. J. F. Krom, Pres. 702 Lloyd Bldg., Seattle, Wash. Current development at Kromona mine.	Cu, Ag, Au, Mo, W	SNOHOMISH COUNTY Sultan district Sec. 13, (28-9E)
LA SOTA, F. P. AND JONES, E. P. Metaline Falls, Wash. Current development.	Zn, Pb	PEND OREILLE COUNTY Slate Creek district NW¼ sec. 23, (40-44E)
LAKE SERENE MINING CO., INC. Frank Waugman, Pres.-Mgr. Snoqualmie, Wash. Current development.	Cu, Au, Ag	SNOHOMISH COUNTY Index district Sec. 30, (27-10E)
LEAD TRUST PROPERTY Felix J. Cardinal, lessee 508 Norfolk Bldg., Spokane 1, Wash. Ray Cater, owner Marlin, Wash. Current development.	Pb	STEVENS COUNTY Northport district Sec. 12, (39-41E) Sec. 7, (39-42E)
LONGSTREET & ROBERT E. LEE H. B. Rosenbaum, owner Inchelium, Wash. Current development.	Sb, Ag, Au	FERRY COUNTY Covada district NE¼NE¼ sec. 36, (32-36E)
LOVITT MINING CO., INC. E. H. Lovitt, Pres. Box 862, Wenatchee, Wash. Current production at Gold King mine.	Au, Ag	CHELAN COUNTY Squillchuck area Sec. 22, (22-20E)
MAKI, DOSSER, LOTZE GROUP Grandview Mines, lessee Karl W. Jasper, Pres. 310-11 Radio Central Bldg. Spokane 4, Wash. Current development.	Zn, Pb	STEVENS COUNTY Secs. 34, 35, (39-41E)
METALINE CONTACT MINES Stanley A. Easton, Pres. T. Towles, Secy.-Treas. 1231 Old National Bank Bldg. Spokane 1, Wash. Leases property to Metaline Mining & Leasing Co.		

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
METALINE MINING & LEASING CO. Karl W. Jasper, Pres. E. K. Barnes, Secy.-Treas. 310 Radio Central Bldg. Spokane 4, Wash. Cline E. Tedrow, Supt. Metaline Falls, Wash. Has operating agreement with Sullivan Mining Co. and leases property from the Metaline Contact Mines. Current development.	Zn, Pb, Ag	PEND OREILLE COUNTY Metaline district Secs. 29, 30, 31, 32, (39-43E)
MICHIGAN BOY Claude Sanders and associates Northport, Wash. Current development.	Zn, Pb	STEVENS COUNTY Mill Creek district Sec. 4, (36-40E)
MINERS QUEEN Fred Weber, lessee 5149 S.W. Cameron Road Portland, Oreg. Current development.	Cu, Mo, Ag, Au	SKAMANIA COUNTY Washougal district NE¼ sec. 4, (3-5E)
MINES MANAGEMENT, INC. W. R. Green, Pres. W. T. Anderson, V.P.-Treas. Laurance Howe, Secy. Chronicle Bldg., Spokane 1, Wash. 50-ton flotation mill.		
Advance mine Current production	Zn, Pb, Ag	STEVENS COUNTY Northport district Sec. 18, (39-41E)
Iroquois mine Current development.	Zn, Pb, Au, Ag	STEVENS COUNTY Northport district Sec. 30, (40-42E)
MOUNT RAINIER MINING CO. Ole Oakland, Secy.-Treas. 1627 15th Ave. Seattle 22, Wash. Current development.	Cu	PIERCE COUNTY Mount Rainier National Park
MULLEN MINE Elmer J. Mullen, owner P. O. Box H, Chewelah, Wash. Intermittent development.	Zn, Ag, Pb, Au, Cu, Sb	STEVENS COUNTY Chewelah district NW¼ sec. 16, (32-41E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
NUGGET PROPERTIES, INC. Mike Liberato, Pres. John Panattoni, Treas. 1510 First Ave., Seattle, Wash. Ed. Mangan, Foreman Liberty, Wash. Current production.	Placer Au	KITTITAS COUNTY Swauk district Secs. 1, 2, (20-17E) Sec. 6, (20-18E)
OPHIR GROUP E. D. Mortenson Albert Eckel Keller, Wash. Current development.	Au, Ag, Pb, Zn	FERRY COUNTY Keller district NE¼ sec. 30, (30-33E)
PACIFIC NORTHWEST MINING CO. Norman Lindsley, Mgr. 608 S. Cedar St. Colville, Wash. Leasing the Lucille mine and purchasing the Red Top mine	Pb, Zn, Ag, W	STEVENS COUNTY Secs. 19, 30, (40-42E) Secs. 24, 25, (40-41E) Secs. 19, 30, (40-42E)
Lucille mine Current development		Sec. 30, (40-42E)
Red Top mine Current production.		Sec. 25, (40-41E)
PEND OREILLE MINES & METALS CO. Lewis P. Larsen, Pres. Jens Jensen, Secy.-Treas. 923 Old National Bank Bldg. Spokane 1, Wash. W. L. Zeigler, Gen. Mgr. Metaline Falls, Wash. 750- and 800-ton flotation mills. Current production from Pend Oreille mine.	Zn, Pb, Ag	PEND OREILLE COUNTY Metaline district Properties in Tps. 39 and 40, R. 43 E.
PHANTOM CREEK COPPER, INC. Arthur W. Lehman, Pres. Bingen, Wash. S. J. Holden, Secy.-Treas. 321 West 4th St. Cle Elum, Wash. Current development at the old Pickwick property.	Cu, Au, Ag	CHELAN COUNTY Leavenworth district Sec. 9, (23-15E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
PIONEER MINING CO. D. A. Newland and associates Colville, Wash. Current production at Longshot mine.	Pb, Zn, Ag, W	STEVENS COUNTY Mill Creek district NW¼ sec. 18, (36-41E)
PRIESTLEY MINING & MILLING CO. Paul Blomberg, Pres. 1706 Smith Tower Seattle 4, Wash. Current development at Lennox mine and Alger mine.	Au, Cu, Ag, Zn	KING COUNTY Miller River district Sec. 13, (25-9E) Secs. 7, 18, (25-10E)
RED IRON PROSPECT Andrew Anderson Leadpoint, Wash. Current exploration.	Pb	STEVENS COUNTY NE¼ sec. 13, (39-41E)
RIVERVIEW PROPERTY John A Peterson and William Parrott, lessees Colville, Wash. Current development.	Zn, Pb, Ag	STEVENS COUNTY Northport district SE¼SW¼ sec. 30, (40-40E)
SCANDIA MINE Raleigh Hallenius, owner 1024 W. 13th Ave. Spokane 4, Wash. Theodore Nasburg, owner 32 E. 29th Ave. Spokane 42, Wash. Current development.	Zn, Pb	STEVENS COUNTY Northport district NE¼ sec. 23, (39-40E)
SILVER MOUNTAIN MINING CO., INC. Arthur G. Nickelsen, Pres. 2403 S. Tacoma Way Tacoma 3, Wash. Current development.	Ag, Au, Pb, Zn	OKANOGAN COUNTY Tonasket area W½ sec. 34, (38-26E) NW¼ sec. 3, (37-26E)
SILVER TRAIL MINING CO. Mrs. J. Richard Brown, Secy.-Treas. 418 American Legion Bldg. Spokane 1, Wash. R. C. Ramser, Spokane, Wash. and A. D. Sylvester, Evans, Wash., lessees. Intermittent production.	Ag, Pb	STEVENS COUNTY Clugston Creek district Secs. 28, 33, (38-39E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
SPOKANE PORTLAND CEMENT CO. W. B. Neill, Pres. G. M. Bell, Vice Pres.-Treas. Dwight D. Hartman, Secy. (Seattle) Charles E. Cordell, Asst. Secy. 724 Old National Bank Bldg. Spokane 1, Wash. Intermittent production from Napoleon quarry. (see also under Nonmetallic Mining Operations).	Fe	STEVENS COUNTY Orient district Sec. 3, (37-37E)
SULLIVAN MINING CO. Stanley H. Easton, Pres. L. J. Randall, Vice Pres. Wallace, Idaho. Currently developing parts of Metaline Mining & Leasing Co. property through an operating agreement. Currently developing property leased from Metaline Mining & Leasing Co. Part owner of Pend Oreille Mines & Metals Co.	Zn, Pb, Ag	PEND OREILLE COUNTY Metaline district
TALISMAN MINING & LEASING CO. Henry T. Born, Pres. 730 Peyton Bldg. Spokane 1, Wash. Operating agreement with Spokane Mining Syndicate, Inc. 75-ton flotation mill. Current development.	Cu, Zn, Ag, W	FERRY COUNTY Orient district Sec. 3, (40-36E)
TUNGSTEN MINING & MILLING CO. Paul H. Casey, Pres. W. 2207 Riverside Ave. Spokane 11, Wash. Henry Becker, Mine Supt. Wellpinit, Wash. Current development at Germania mine.	W	STEVENS COUNTY Deer Trail district SW¼ sec. 13, (29-37E)
UNITED COPPER MINE Chewelah Copper Co. E. P. Maher, Pres. Yakima, Wash. Gordon LaVigne, Mgr. Chewelah, Wash. Current development.	Cu, Ag	STEVENS COUNTY Chewelah district NW¼ sec. 32, (33-41E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
VICTORY PROPERTY Lute Vanasse 457 E. First St. Colville, Wash. Current development.	Cu, Ag, Pb, Au, Sb	STEVENS COUNTY Kettle Falls district Sec. 10, (36-38E)
WESTERN GOLD MINING, INC. Harry Kramer, Pres. 145 Horton St., Seattle 4, Wash. 100-ton flotation mill. Current development at New Light mine.	Au, Ag	WHATCOM COUNTY Slate Creek district Sec. 27, (38-17E)
WESTERN STATES COPPER CORP. Charles Sisenvine, Pres. 5905 Phinney Ave. Seattle 3, Wash. Property leased from M. F. Gilbreath Seattle, Wash. Current development.	Cu, Au, Ag	KING COUNTY Taylor River district Sec. 16, (24-10E)

NONMETALLIC MINING OPERATIONS

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
ABRAHAMSON BRICK CO. G. C. Anderson, Mgr. 5000 W. Marginal Way Seattle, Wash. Current production.	Brick	KING COUNTY Pit at same address
ADDERSON, J. G. 10621 Crestwood Drive Seattle, Wash. Current production from:		
Johnson mine	Clay	KING COUNTY Black Diamond area Sec. 26, (21-6E)
Alcorn area	Clay	SE¼NE¼ sec. 27, (21-6E)
ARBOR LAKE HUMUS CO. Fred Drachenberg 240 S. 124th St., Seattle, Wash. Current production.	Peat	KING COUNTY South of Seattle Pit at same address
ARGUS SUPER HUMUS A. G. Argus 15045 First Ave. N.E. Seattle 55, Wash. Current production.	Peat	KING COUNTY North Seattle Pit at same address
ARROW LAKE HUMUS CO. W. H. Albright 19661 First Ave. S. Seattle, Wash. Current production.	Peat	KING COUNTY South of Seattle Pit at same address
AUBURN POTTERY CO., INC. T. Tsujikawa Box 376, Auburn, Wash. Plant at Auburn. Current production.	Pottery	KING COUNTY Dash Point area Sec. 10, (21-3E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
B & K MINE C. W. Bunney Box 323 Entiat, Wash. Current production.	Pumice	CHELAN COUNTY Entiat district NW¼ sec. 24, (27-19E)
B & R COAL CO. Joe Baima and Mike Rubattino P. O. Box 389 Renton, Wash. Current production from Newcastle mine.	Coal	KING COUNTY Newcastle area Secs. 26, 27, (24-5E)
BASSETT'S GARDEN SUPPLIES Leno Bassett, owner Box 24,224 Edmonds, Wash. Current production.	Peat	SNOHOMISH COUNTY Kenmore area SW¼ sec. 35, (27-4E)
BELLINGHAM COAL MINES CO. Earl R. McMillan, Vice Pres. Northwestern Improvement Co., Managing operators 1012 Smith Tower Seattle 4, Wash. Current production.	Coal	WHATCOM COUNTY At Bellingham Secs. 13, 24, (38-2E)
BIANCO COAL MINES Fred Bianco 3333 Cascadia Ave. Seattle 44, Wash. Current production from Queen No. 1 mine.	Coal	KING COUNTY Issaquah area Secs. 31, 32, (24-6E)
BIG 4 COAL CO. David J. Williams, Pres. 725 Central Bldg. Seattle 4, Wash. Current production from Elk mine.	Coal	KING COUNTY Palmer area Sec. 34, (22-7E)
BLACK GOLD HUMUS John G. Kane 15024 First Ave. N.E. Seattle 55, Wash. Current production.	Peat	KING COUNTY North Seattle Pit at same address

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
BLACK PRINCE COAL CO. George Parkins P. O. Box 554, Centralia, Wash. Current production.	Coal	LEWIS COUNTY Centralia area Sec. 28, (15-1W)
BOW LAKE FARMS Frank Colacurcio and associates 3540 S. 188th St. Seattle, Wash. Current production.	Peat	KING COUNTY Bow Lake NW¼SW¼ sec. 34, (23-4E)
BOW LAKE HUMUS CO. T. and F. Boysen 18118 Pacific Highway South Seattle, Wash. Current production.	Peat	KING COUNTY Bow Lake area NE¼ sec. 33, (23-4E)
BROWN, N. W. L. P. O. Box 333 Wenatchee, Wash. Current production from Riverside quarry.	Dolomite	OKANOGAN COUNTY Sec. 26, (35-26E)
BUILDER'S BRICK CO. C. A. Houlahan, Pres. R. C. Houlahan, Secy.-Treas. 3800 9th Ave. S. Seattle 8, Wash. Current production from:	Brick, tile	
Seattle pit	Clay	KING COUNTY 9th & Charlestown St.
Clay City pit.	Clay	PIERCE COUNTY S½ sec. 25, (17-4E)
C & M COAL CO. F. H. Crueger and M. M. Mlaker 5008 43rd Ave. S. Seattle, Wash. Current production from Harris mine.	Coal	KING COUNTY Issaquah area Sec. 32, (24-6E)
CARBONADO COAL CO. T. A. Basselli, Supt. Carbonado, Wash. Current production.	Coal	PIERCE COUNTY Wilkeson area NW¼ sec. 4, (18-6E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
CARLSON, ERIC E. Rt. 1, Box 1961 Redmond, Wash. Current production.	Peat	KING COUNTY Near Redmond Sec. 3, (25-6E)
CAVANAUGH MOULDING SAND CO. Kennydale, Wash. Current production.	Molding sand	KING COUNTY Cedar Mountain area NE¼ sec. 30, (23-6E)
CHEHALIS BRICK & TILE CO. F. G. Burrows, Mgr. M. D. Saindon, Sales Mgr. Chehalis, Wash. Current production.	Brick, tile	LEWIS COUNTY At Chehalis W½ sec. 29, (14-2W)
COLUMBIA ROCK LIME Sam Gregson and John Herb, lessees 1222 S.E. McLoughlin Blvd. Milwaukie, Oreg. Current production.	Limestone	PACIFIC COUNTY NW¼ sec. 27, (10-10W)
DRAGHI, LOUIS Box 366 Black Diamond, Wash. Current production.	Coal	KING COUNTY Black Diamond district SE¼ sec. 14, (21-6E)
EMPIRE GRANITE CO. John F. Goldback, Mgr. Dishman, Wash. Current production.	Monumental, architectural, and crushed granite	SPOKANE COUNTY Near Dishman Secs. 19, 20, (25-44E)
EVERETT LIME CO. Walter Delong, Pres. 801 Canal St. Tacoma, Wash. Leasing McGraw-Kittinger deposit from Elsie Westerman, Seattle, Wash. Current production.	Limestone	SAN JUAN COUNTY Orcas Island NW¼ sec. 2, (36-2W)
EVERGREEN HUMUS CO., THE Burt Stone, lessee Route 3, Box 331 Bothell, Wash. Current production.	Peat	SNOHOMISH COUNTY SE¼NW¼ sec. 21, (27-5E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
FEDERAL WAY HUMUS CO. E. G. Schwieger P. O. Box 200 Auburn, Wash. Current production.	Peat	KING COUNTY Federal Way area NE¼ sec. 8, (21-4E)
FIRCREST PEAT CO. W. Sanborn, owner 312 S. Tacoma Ave. Tacoma, Wash. Current production.	Peat	PIERCE COUNTY Tacoma area Between S. 15th and S. 19th from Shirley to Bennett
FITZGERALD, M. A. (MRS.) 1214 W. Sprague Ave. Spokane 1, Wash. Intermittent production.	Clay	STEVENS COUNTY Near Bossburg NE¼ sec. 15, (38-38E)
FULLER SOILS H. R. Fuller 17002 Meridian Ave. Seattle, Wash. Current production.	Peat	KING COUNTY North Seattle Pit at same address
GARDNER, DONOVAN E. E. 3501 Francis Ave. Spokane 28, Wash. Current development.	Peat	STEVENS COUNTY Near Deer Lake
GARLAND MINERAL SPRINGS Ralph Taylor, owner Box 1135 Wenatchee, Wash. Current production.	Warm mineral water	SNOHOMISH COUNTY Index area Sec. 25, (28-11E)
GAS-ICE CORP. 200A Medical Arts Bldg. Seattle, Wash. R. B. Newbern, Pres. 730 S.E. 11th Ave. Portland, Oreg. J. E. Newbern, Plant Mgr. Klickitat, Wash. Current production.	Carbon dioxide ("dry ice")	KLICKITAT COUNTY Near Klickitat Secs. 19, 23, 24, (4-14E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
GLADDING, McBEAN & CO. C. W. Planje, Vice Pres. 1500 First Ave. S. Seattle 4, Wash. Plants at Renton, King County, and at Mica, Spokane County. Currently operating the following:	Clay and clay products	
Harris mine	Clay	KING COUNTY Near Issaquah NW¼ sec. 33, (24-6E)
Newcastle clay pit	Clay	Newcastle area SW¼ sec. 27, (24-5E)
Palmer pit	Clay	Palmer area Sec. 14, (21-7E)
Renton pit	Clay	At Renton
Mica pit.	Clay	SPOKANE COUNTY At Mica Sec. 23, (24-44E)
GOSHEN COAL CO. Clifford Needham and Elmer Pike, owners Route 3, Box 492 Bellingham, Wash. Current development.	Coal	WHATCOM COUNTY Goshen district SW¼NW¼ sec. 19, (39-4E)
GRANGER CLAY PRODUCTS CO. Alex Corbett, owner 515 S. 5th Ave. Yakima, Wash. Plant and pit at Granger, Wash. Current production.	Brick, tile, clay	YAKIMA COUNTY SW¼ sec. 22, (10-21E)
HEMPHILL BROTHERS, INC. Wylie M. Hemphill, Secy. 3300 First Ave. S. Seattle 4, Wash. Current production from:		
Baring quarry	Crushed granite	KING COUNTY Near Baring Sec. 2, (26-10E)
Stoner Silica quarry.	Silica	SKAGIT COUNTY Sec. 10, (36-11E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
HI-LINE LEAF MOLD PRODUCTS Frank L. Anderson 15012 Des Moines Way, Seattle, Wash. Current production.	Peat	KING COUNTY South of Seattle Pit at same address
HIDDEN BRICK CO. R. A. Hidden, Mgr. 2610 Kauffman Ave., Vancouver, Wash. Current production.	Brick	CLARK COUNTY At Vancouver, Wash. 2610 Kauffman Ave.
HORD, R. S. Rt. 3, Box R-56, Auburn, Wash. Current production.	Peat	KING COUNTY Dolloff Lake area NW¼ sec. 10, (21-4E)
IMAGE CLAY PIT Harry R. Porter Rt. 1, Box 726, Vancouver, Wash. Intermittent production.	Clay	CLARK COUNTY 5 mi. E. of Vancouver Sec. 4, (1-2E)
JANNI, PETER, & SONS Peter Janni Northport, Wash. Current production.	Limestone	STEVENS COUNTY Near Northport Sec. 12, (39-39E)
JOHNSON COAL CO. E. S. Johnson, Mgr. Box 71, Black Diamond, Wash. Current production.	Clay	KING COUNTY Black Diamond area Sec. 26, (21-6E)
KAISER BROS. Alfred E. Kaiser, Pres. 601 N. 2nd St. Yakima, Wash. Current production of:	Diatomite	KITTITAS COUNTY Yakima area S½NE¼ sec. 15, (15-20E)
	Clay	YAKIMA COUNTY Yakima area Sec. 15, (13-19E)
	Granite	CHELAN COUNTY Winesap area
	Crushed quartz	CHELAN COUNTY Winesap area

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
KEENE & SON Roy C. Keene Medical Lake, Wash. Current production from Morris quarry.	Monumental and architectural granite	SPOKANE COUNTY Near Medical Lake SE¼ sec. 8, (24-41E)
KENT & TUCKER Rt. 1, Box 1500 Bellevue, Wash. Current production.	Peat	KING COUNTY Mercer Slough SE¼SE¼ sec. 5, (24-5E)
KITTITAS DIATOMITE CO. John Sorenson Box 144 Ellensburg, Wash. Current production.	Diatomite	KITTITAS COUNTY Badger Pocket Sec. 15, (15-20E)
LAUCKS CHEMICAL CO. John T. Laucks, Pres. 1008 Western Ave. Seattle 4, Wash. R. W. Cool, Mgr. Mine Div. Tonasket, Wash. Current production.	Gypsum, epsom salts	OKANOGAN COUNTY Tonasket area SE¼ sec. 5, (38-27E)
LEHIGH PORTLAND CEMENT CO. Young Bldg. Allentown, Penn. Local address: Metaline Falls, Wash. A. W. Schaeffer, Plant Mgr. Current production from Metaline Falls quarry.	Portland cement, limestone, quartzite, shale	PEND OREILLE COUNTY Near Metaline Falls NE¼ sec. 27, (39-43E)
LITCHFIELD, A. B. Rt. 1, Box 41 Orting, Wash. Current production.	Flagstone (sandstone)	PIERCE COUNTY Orting area NW¼ sec. 20, (18-5E)
LOWELL BRICK & TILE CO. John Gorin, Mgr. P. O. Box 277 Lowell, Wash. Plant at Lowell. Current production.	Brick, tile	SNOHOMISH COUNTY Lowell area Sec. 16, (28-5E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
MANUFACTURERS MINERAL CO. (Mineral Products Corp.) Geo. H. Waterman, Pres. P. O. Box 3144 1107 W. Idaho St., Seattle, Wash. Current production from:		Plant at 1107 W. Idaho St. Seattle
Index quarry	Crushed granite	SNOHOMISH COUNTY Near Index Sec. 18, (27-10E)
Chewelah pit	Silica sand, molding sand, blast sand	STEVENS COUNTY Near Chewelah Sec. 28, (32-40E)
Marble quarries	Terrazzo chips	STEVENS COUNTY Chewelah area
Valley quarry	Dolomite	STEVENS COUNTY Near Valley Secs. 15, 22, (31-40E)
LaConner mine.	Strontianite, celestite	SKAGIT COUNTY Near LaConner SE¼ sec. 2, (33-2E)
MILLER LIME CO. Leslie B. Miller P. O. Box 308, Gold Bar, Wash. Current production.	Limestone	SNOHOMISH COUNTY Gold Bar area SE¼ sec. 16, (27-9E)
MITCHELL BAY LIME CO. Gordon Clauson 3902 Meridian Ave., Seattle 3, Wash. Current production.	Limestone	WHATCOM COUNTY Near Maple Falls Sec. 19, (40-6E)
MOFFETT'S HOT SPRINGS North Bonneville, Wash. Current production.	Hot mineral water	SKAMANIA COUNTY Near North Bonneville SW¼ sec. 15, (2-7E)
MONARCH COAL MINING CO. George Sheatsley Rt. 1, Box A 223, Centralia, Wash. Current production.	Coal	LEWIS COUNTY Centralia area Sec. 30, (15-2W)
MORCROP LIME CO. Frank Flatt, Supt. Route 3, Arlington, Wash. Current production.	Limestone	SNOHOMISH COUNTY NW¼SE¼ sec. 2, (31-6E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
MORRISON, HARRY Greenacres, Wash. Current production.	Peat	SPOKANE COUNTY Saltese Marsh area Sec. 33, (25-45E)
MOUNT ADAMS SHEET ROCK QUARRY Joe Marston 9400 N.E. Mason St. Portland 20, Oreg. Current production.	Flagstone (andesite)	YAKIMA COUNTY Mount Adams area SW¼ sec. 27, (8-11E)
MOUNT VIEW HUMUS CO. H. D. Trepanier 11041 28th Ave. S.W. Seattle, Wash. Current production.	Peat	KING COUNTY Bog at 1246 S.W. 106th Seattle
MUFFET, C. B., BRICK & TILE CO. Rt. 1, Box 79 Ridgefield, Wash. Current production.	Brick, tile	CLARK COUNTY N.E. of Ridgefield SE¼ sec. 17, (4-1E)
MUTUAL MATERIALS CO. J. B. Sunderland, Pres.-Mgr. 1200 8th Ave. S. Seattle, Wash. Current production.	Sand-lime brick	KING COUNTY South Park area SE¼ sec. 31, (24-4E)
NORTHWEST MAGNESITE CO. Exec. office: Farmers Bank Bldg. Pittsburgh, Pa. Local address: Howard Ziebell, Mgr. Chewelah, Wash. Currently mining magnesite from Finch, Red Marble, and Keystone quarries; and calcining at plant near Chewelah, Wash.	Magnesite	STEVENS COUNTY Chewelah district Sec. 24, (31-38E) Sec. 9, (31-39E) Sec. 30, (32-40E)
NORTHWEST MARBLE PRODUCTS Ernest Smith, Mgr. Box 198 Chewelah, Wash. Lease and own various properties in Chewelah area. Current production.	Terrazzo chips	STEVENS COUNTY Chewelah district

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
NORTHWESTERN IMPROVEMENT CO. Earl R. McMillan, Mgr. of Coal Operations 1012 Smith Tower, Seattle 4, Wash. Mines address: Roslyn, Wash. Current production from:	Coal	
Mine No. 3		KITTITAS COUNTY Roslyn area Sec. 7, (20-15E)
Mine No. 9		KITTITAS COUNTY Secs. 20, 21, 28, (20-15E)
Skookum mine.	Coking coal	PIERCE COUNTY Sec. 27, (19-6E)
NORTHWESTERN PORTLAND CEMENT CO. Gordon Tongue, Pres.-Gen. Mgr. D. G. Metcalf, Secy.-Treas. 1702 Northern Life Tower Seattle 1, Wash. Plant address: Grotto, Wash. Current production from:	Portland cement	
Grotto quarry.	Limestone	KING COUNTY Near Grotto Secs. 13, 24, (26-10E)
NOYD, CLARENCE A. Peone Prairie, Wash. Current production.	Clay	SPOKANE COUNTY Sec. 27, (27-44E)
OHANAPECOSH HOT SPRINGS Martin Kilian, Mgr. Packwood, Wash. Current production.	Hot mineral water	LEWIS COUNTY Mount Rainier area SW¼ sec. 4, (14-10E)
OLSON FUEL CO. C. G. Olson, Gen. Mgr. 616 E. Northlake, Seattle 5, Wash. Current production at Hyde mine.	Coal	KING COUNTY Cumberland area Sec. 29, (21-7E)
OLYMPIC HOT SPRINGS Harry Schoeffel, Mgr. Port Angeles, Wash. Current production.	Hot mineral water	CLALLAM COUNTY Elwha area NW¼ sec. 28, (29-8W)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
OLYMPIC PORTLAND CEMENT CO., LTD., THE H. M. Krabbe, Gen. Supt. P. O. Box 17 Bellingham, Wash. Current production from:	Portland cement	
Brennan pit	Clay	WHATCOM COUNTY At Brennan Sec. 33, (39-2E)
Kendall quarry.	Limestone	Near Kendall Sec. 14, (40-5E)
PACIFIC COAST COAL CO. F. O. Bergmann Foot of Main St., Seattle 4, Wash. Currently leasing coal property to B & R Coal Co., C & M Coal Co., Johnson Coal Co., Palmer Coking Coal Co., Bianco Coal Mines, J. W. Willan Coal Co., and Louis Draghi.	Coal	
PACIFIC NORTHWEST ALLOYS, INC. Leo H. Timmins, Pres. John Armstrong, Mining Engr. Box 6247, Hillyard Station Spokane, Wash. Current production from Marble dolomite quarry.	Dolomite	STEVENS COUNTY Marble area NE¼ sec. 27, (39-39E)
PACIFIC SILICA CO. Wylie M. Hemphill, Secy. 3300 First Ave. S., Seattle 4, Wash. Cecil Mullenix, Supt. Deer Park, Wash. Current production from Latshaw (Denison or Silica Hill) deposit.	Silica	SPOKANE COUNTY North of Spokane Sec. 14, (27-42E)
PALMER COKING COAL CO., INC. John H. Morris, Gen. Mgr. Box 8, Black Diamond, Wash. Current production from:	Coal	
Landsburg mine		KING COUNTY Landsburg area Sec. 24, (22-6E)
Franklin mine and strip operation.		Franklin area Sec. 5, (19-3E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
PAPE, J. L. Route 1, Concrete, Wash. Current production at Sadie Cudworth deposit.	Soapstone	SKAGIT COUNTY Secs. 21, 22, (35-12E)
PENINSULA PEAT PRODUCERS, INC. A. A. Price, Pres. 1015 N. Cedar St., Tacoma, Wash. Arthur Randle, Secy.-Treas. P. O. Box 226, Tacoma, Wash. Current production.	Peat	MASON COUNTY Near Dewatto W½ sec. 2, (22-3W)
PIRELLO BROS. E. 15110 36th Ave. Veradale, Wash. Current production from Tiano clay pit.	Clay	SPOKANE COUNTY 2 mi. east of Chester SE¼ sec. 35, (25-44E)
PLANT FOOD CO. 2303 N. 175th St., Seattle, Wash. Current production.	Peat	KING COUNTY North Seattle Pit at same address
PUGET SOUND BRIDGE & DREDGING CO. H. W. McCurdy, Pres.-Gen. Mgr. 2929 16th Ave. S.W., Seattle, Wash. Harry L. DuBois, Mgr., Quarry Div. 12020 E. Marginal Way, Seattle, Wash. Current production at Riverton quarry. (see also: Puget Sound Bridge & Dredging Co. under Sand & Gravel Operations).	Rockery rock	KING COUNTY Lot 7, Riverside Interurban tract Sec. 9, (23-4E)
QUINCY CORP. C. A. Frankenhoff, Pres. A. G. Frankenhoff, Vice Pres. Harwood Bldg., Scarsdale, N. Y. R. G. Vervaeke, Plant Mgr. P. O. Box 1001, Quincy, Wash. Current production.	Diatomite	GRANT COUNTY South of Quincy Secs. 17, 20, (18-23E)
RAILWAY DIKE PEGMATITE Northern Pacific Railway Leased to Merikay Mines Laurence Hammond and E. A. Howard 455 East 51st St. New York 22, N. Y. Current development.	Beryl	STEVENS COUNTY Sec. 33, (34-42E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
RAINIER PUMICE CO. Way Scarff 501 C. St. N.E., Auburn, Wash.		
Pumicite pit Intermittent production.	Pumicite	SKAGIT COUNTY Skagit River area Sec. 11, (36-11E)
ROCHE HARBOR LIME & CEMENT CO. Paul H. McMillin, Pres. J. C. Hassel, Supt. Roche Harbor, Wash. Current production at Roche Harbor quarry.	Lime, limestone	SAN JUAN COUNTY Roche Harbor Sec. 17, (36-4W)
ROSLYN-CASCADE COAL CO. Harry S. Patrick, Pres. Ronald, Wash. Current production.	Coal	KITTITAS COUNTY Ronald area Sec. 6, (20-15E)
ST. MARTIN'S MINERAL HOT SPRINGS Ludwig V. Held, Gen. Mgr. Carson, Wash. Current production.	Hot mineral water	SKAMANIA COUNTY Near Carson SE¼ sec. 21, (3-8E)
SAVAGE MINE George Savage, owner Box 86 Wilkeson, Wash. Current production from Gale Creek mine.	Coal	PIERCE COUNTY Wilkeson area NE¼ sec. 28, (19-6E)
SEOLA HUMUS CO. Will L. Rausch 7335 34th Ave. S.W. Seattle 6, Wash. Current production.	Peat	KING COUNTY Bog at 28th and 104th S.W. Seattle
SETZER, MAX Rt. 3, Box 789, Renton, Wash. Current production.	Peat	KING COUNTY Coalfield area NW¼ sec. 7, (23-6E)
SHARP, J. ARNOLD Route 11, Box 652 Olympia, Wash. Current production.	Peat	THURSTON COUNTY SE¼ sec. 20, (18-2W)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
SKAGIT TALC PRODUCTS William Soren, Mgr. Route 1 Sedro Woolley, Wash. Current production.	Soapstone	SKAGIT COUNTY Near Marblemount Secs. 11, 14, (36-11E)
SMITH BROS. SILICA SAND CO. Rt. 1, Box 1027 Auburn, Wash. Current production from Hammer Bluff deposit.	Silica sand	KING COUNTY East of Auburn Sec. 28, (21-6E)
SOAP LAKE Several resorts, sanitariums, and hotels operating.	Mineral water containing sodium salts, principally carbonates	GRANT COUNTY Secs. 12, 13, 24, (22-26E) Secs. 18, 19, (22-27E)
SOL DUC HOT SPRINGS Clive Abel P. O. Box 22 Port Angeles, Wash. Current production.	Hot mineral water	CLALLAM COUNTY Lake Crescent NW¼ sec. 32, (29-9W)
SOMMER, A. M. E. 15403 32nd Ave. Veradale, Wash. Current production.	Clay	SPOKANE COUNTY Near Chester NE¼ sec. 35, (25-44E)
SORLIE, ARNE Lakeside, Wash. Current production.	Pumice	CHELAN COUNTY Near Twentyfive Mile Creek Sec. 9, (28-21E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
SPOKANE PORTLAND CEMENT CO. W. B. Neill, Pres. G. M. Bell, Vice Pres.-Treas. Dwight D. Hartman, Secy. (Seattle) Charles E. Cordell, Asst. Secy. 724 Old National Bank Bldg. Spokane 1, Wash. Quarry address: Northport, Stevens County. Plant at Irvin, Spokane County. Current production from:	Portland cement	
Marble quarry	Limestone	STEVENS COUNTY Near Marble Sec. 25, (39-39E)
Napoleon quarry (see also under Metallic Mining Operations).	Shale	Orient district Sec. 3, (37-37E)
SPRINGBROOK MINING CO. A. F. Plant, Gen. Mgr. 400 Cedar St., Renton, Wash. Current production.	Coal	KING COUNTY Renton area SE¼ sec. 30, (23-5E)
SPRINGDALE SILICA SAND, INC. Frank Eichelberger, Pres. 401 Symons Bldg., Spokane 4, Wash. Current production at Lyons Hill deposit.	Silica sand	STEVENS COUNTY Springdale area Sec. 6, (29-40E)
STILLWELL, J. B. 3220 Airport Way, Seattle, Wash. Current production.	Clay	KING COUNTY Pit at same address
STOKER COAL MINING CO. T. E. Martin, Gen. Mgr. Box 82, Centralia, Wash. Current production.	Coal	LEWIS COUNTY Centralia area Sec. 29, (15-2W)
STRAIN COAL CO. William Strain 444 Dexter Horton Bldg. Seattle 4, Wash. Current production from Tono mine.	Coal	THURSTON COUNTY Tono area Secs. 16, 21, (15-1W)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
SUPERIOR PORTLAND CEMENT, INC. C. N. Reitze, Pres. Ned H. Nelson, V.P.-Gen. Mgr. 1003 Seaboard Bldg., Seattle 1, Wash. W. F. Schultz, Purchasing Agent 3801 E. Marginal Way, Seattle, Wash. M. Masters, Supt. Concrete, Wash. Current production from:	Portland cement	
Concrete quarry Concrete pit	Limestone Clay	SKAGIT COUNTY Sec. 2, (35-8E)
Seattle pit	Clay	KING COUNTY SE¼NW¼ sec. 30, (24-4E)
Sentinel Mountain pit	Pumicite	GRANT COUNTY N½N½ sec. 4, (15-24E)
SWAUK FLAG ROCK, INC. Ollie Jordin, owner Route 2 Cle Elum, Wash. Current production.	Flag rock (sandstone)	KITTITAS COUNTY Swauk district Sec. 27, (21-17E)
TERTELING, J. A., & SONS, INC. Ravensdale, Wash. Alfred DeCoria, Gen. Supt. Box 241, Auburn, Wash. Current production from strip pit.	Coal	KING COUNTY Ravensdale area McKay seam Sec. 1, (22-6E) Sec. 36, (21-6E)
UNITED STATES GYPSUM CO. 300 W. Adams St., Chicago, Ill. Local Address: Evans, Wash. Macy Smith, Works Mgr. Current production.	Lime, limestone	STEVENS COUNTY At Evans Secs. 10, 16, (37-38E)
VICK'S GARDEN SUPPLY Emil Vicklund, owner 2526 15th N.W. Seattle, Wash. Current production.	Peat	SNOHOMISH COUNTY Scribers Lake NW¼ sec. 21, (27-4E)
WALKER CUT STONE CO., INC. R. G. Walker P. O. Box 68 Wilkeson, Wash. Current production.	Pulpstones, building stone, split face ashlar (sandstone)	PIERCE COUNTY At Wilkeson Sec. 27, (19-6E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
WASHINGTON BRICK & LIME CO. Neal R. Fosseen, Pres. Box 2198, Spokane, Wash. Plants at Dishman, Spokane County and Clayton, Stevens County. Currently operating the following:	Clay products, sand-lime brick	
Freeman pit	Clay	SPOKANE COUNTY At Freeman Sec. 1, (23-44E)
Noyd pit	Clay	SPOKANE COUNTY Sec. 27, (27-44E)
A. B. pit	Clay	STEVENS COUNTY Near Clayton NW¼ sec. 32, (30-42E)
Clayton pit.	Clay	STEVENS COUNTY At Clayton Sec. 19, (29-42E)
WASHINGTON NATURAL PRODUCTS CO. R. J. Catlow, Pres. Columbia and Western Sts. Seattle, Wash. Processing plant at Riverside. Current production from Booher pit.	Marl	OKANOGAN COUNTY Riverside area Sec. 3, (35-26E)
WASHINGTON POTTERY CO. T. R. Harris 809 Snoqualmie St. Seattle 8, Wash. Current production.	Pottery	KING COUNTY At Seattle 9th and Lane Sts.
WATERMANN-SYMINGTON CO. 4601 Union Bay Place Seattle 5, Wash. Current development.	Slate	STEVENS COUNTY Waits Lake N½ sec. 18, (31-40E) Slate Quarry Sec. 19, (31-39E)
WENATCHEE BRICK & TILE CO. R. M. Bird, Pres. M. W. Bird, Secy. Box 265, Wenatchee, Wash. Current production.	Brick, tile	CHELAN COUNTY At Wenatchee 9th and Pierre St.

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
WILDE CO. Geo. H. Wilde, Rt. 4, Box 600 Geo. H. Wilde, Jr. Rt. 4, Box 625 Vancouver, Wash. Current production.	Molding sand, brick	CLARK COUNTY N.E. of Vancouver SE¼ sec. 7, (2-2E)
WILKESON-WENATCHEE STONE CO. Myron S. Huckle, lessee 6856 54th N.E. Seattle, Wash. Current production.	Building stone (sandstone)	CHELAN COUNTY Dry Gulch Sec. 21, (22-20E)
WILKESON-WINGATE COAL CO. Andrew Locke and Robert Peloli Wilkeson, Wash. Current production at Wingate mine.	Coal	PIERCE COUNTY Wilkeson area SW¼ sec. 27, (19-6E)
WOGSLAND, C. G. Rt. 2, Auburn, Wash. Current production.	Peat	KING COUNTY Auburn area Corner of Military Road and 304th
WOODS, ELMER L. 1511 E. Illinois St. Bellingham, Wash. Current production.	Landscape rock (andesite)	WHATCOM COUNTY Bellingham area Secs. 13, 24, (39-3E)

SAND AND GRAVEL OPERATIONS

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
ACE SAND & GRAVEL CO. Loyd J. Borjessan, Pres. P. O. Box 27 302 N. Park Rd., Spokane, Wash. Current production.	Sand, gravel	SPOKANE COUNTY Pit at same address
ACME SAND & GRAVEL CO. F. H. Drollinger, owner 700 E. Trent Ave. Spokane 2, Wash. Current production from two pits.	Sand, gravel	SPOKANE COUNTY Washington & Cora Sts., 1500 E. Francis & Maple Sts., Spokane, Wash.
ANGELES GRAVEL & SUPPLY CO. 123 Railroad Ave. Port Angeles, Wash. Current production.	Sand, gravel	CLALLAM COUNTY On Little River road SE¼ sec. 30, (30-6W)
ARLINGTON SAND & GRAVEL CO. V. M. Lee, Secy.-Treas. 122 McLeod, Arlington, Wash. Current production.	Sand, gravel, crushed rock, crusher dust	SNOHOMISH COUNTY Near Arlington Sec. 2, (31-5E)
ASSOCIATED SAND & GRAVEL CO. Howard F. Sievers and Geo. P. Duecy 2508 Colby, Everett, Wash. Current production.	Sand, gravel, crushed rock	SNOHOMISH COUNTY Everett area E½ sec. 1, (28-4E)
B-D SAND & GRAVEL CO. Earl E. Woodruff and Dorman Holcomb, partners Rt. 4, Box 3470, Vancouver, Wash. Current production.	Sand	CLARK COUNTY On W. River road SE¼ sec. 20, (2-1E)
BAINBRIDGE SAND & GRAVEL CO. R.F.D. Box 227 Port Blakely, Wash. Current production.	Sand, gravel	KITSAP COUNTY Bainbridge Island NW¼SE¼ sec. 9, (25-2E)
BARLOW, C. S., & SONS, INC. R. C. Barlow, Pres. D. L. Barlow, Vice Pres.-Mgr. 1715 Dock St., Tacoma 2, Wash. Current production.	Sand, gravel	PIERCE COUNTY Clover Park area E½SE¼ sec. 2, (19-2E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
BATTERMAN'S QUALITY SAND & GRAVEL Geo. Batterman, Jr. Rt. 5, Box 1060, Wenatchee, Wash. Current production.	Sand, gravel	DOUGLAS COUNTY East Wenatchee area Sec. 13, (22-20E)
BEATY, A. H. 417 Quincy St. Box 25 South Bend, Wash. Current production.	Crushed stone, riprap	PACIFIC COUNTY South Bend area Sec. 22, (14-9W)
BINGEN SAND & GRAVEL CO. Earl Good Box 3, Bingen, Wash. Current production.	Sand, gravel	KLICKITAT COUNTY Bingen area Sec. 29, (3-11E)
BLACK RIVER QUARRY, INC. J. R. Hawk, Mgr. 3213 37th S., Seattle, Wash. Joseph Romano, Pres. 6808 S. 140th St., Seattle 88, Wash. Current production.	Crushed rock, riprap, rockery rock	KING COUNTY 6808 S. 140th St., Seattle, Wash. Sec. 14, (23-4E)
BORST BROS. SAND & GRAVEL Coulee City, Wash. Current production.	Sand, gravel	GRANT COUNTY Near Coulee City
BRANDT, JOE 702½ W. Walnut St., Yakima, Wash. Current production.	Sand	YAKIMA COUNTY Selah area SE¼ sec. 26, (14-18E)
BREMERTON GRAVEL & ASPHALT CO. 2526 Veldee St. Bremerton, Wash. Current production.	Sand, gravel	KITSAP COUNTY Bremerton area NW¼ sec. 28, (24-1E)
BRIDGEPORT SAND & GRAVEL Russell L. Campbell, owner Box 17913 Bridgeport, Wash. Current production.	Sand, gravel, crushed rock	DOUGLAS COUNTY Bridgeport area E½NW¼ sec. 35, (29-25E)
BROWN SAND & GRAVEL CO. E. M. Brown and L. M. Jones 1703 W. Irving St. Pasco, Wash. Current production.	Sand, gravel	FRANKLIN COUNTY Dakota and Sylvester Pasco, Wash.

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
CADMAN GRAVEL CO. T. W. Magnussen, Pres. Helen Q. Magnussen, Secy. Redmond, Wash. Current production.	Sand, gravel	KING COUNTY Redmond area Sec. 6, (25-6E)
CAMAS SAND & GRAVEL CO. Max Schmid, owner 345 Wheeler St. Camas, Wash. Current production.	Sand, gravel	CLARK COUNTY Washougal area 4¼ miles east of Washougal on highway
CHELAN CONCRETE CO. Martin T. Petersen Chelan, Wash. Current production.	Sand, gravel	CHELAN COUNTY Chelan area SW¼ sec. 12, (27-22E)
CLEARVIEW SAND & GRAVEL CO. Albert, Charles, and Leonard Larson and Wesley Farmer, owners Route 3, Snohomish, Wash. Current production.	Sand, gravel	SNOHOMISH COUNTY Near Snohomish Sec. 18, (27-6E)
CLOQUALLUM SAND & GRAVEL F. A. Carlstrom Box 2, Lost Lake Route Elma, Wash. Current production.	Sand, gravel	GRAYS HARBOR COUNTY Elma area SW¼ sec. 19, (18-5W)
COLUMBIA CONCRETE PIPE CO. J. R. Sherman, Pres. A. B. Metcalf, Mgr. Foot of 9th St. P. O. Box 427, Wenatchee, Wash. Current production from:		
Columbia pit	Sand, gravel, crushed stone	CHELAN COUNTY NW¼ sec. 22, (23-20E)
Okanogan pit.	Sand, gravel, crushed stone	OKANOGAN COUNTY SE¼ sec. 4, (34-26E)
COLUMBIA SAND & GRAVEL Frayne L. McAtee, Pres. M. E. Nelson, Vice Pres.-Mgr. P. O. Box 1166, Moses Lake, Wash. Current production.	Sand, gravel, crushed rock	GRANT COUNTY Moses Lake area Sec. 5, (19-28E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
COLVILLE VALLEY CONCRETE CO. James R. Dietz and Charles Boehm, owners 531 South Hofstetter Colville, Wash. Current production.	Sand, gravel	STEVENS COUNTY Sec. 10, (35-39E)
CONNELL SAND & GRAVEL Andrew Biorn and Walter Heaps Box 817 Connell, Wash. Intermittent production.	Sand, gravel	FRANKLIN COUNTY SE¼ sec. 6, (13-33E)
CORLISS, TIM, & SON Rt. 1, Box 139, Sumner, Wash. Current production.	Sand, gravel	PIERCE COUNTY Sumner area SW¼ sec. 20, (20-5E)
* COUNTY PITS AND QUARRIES Current production.	Sand, gravel, crushed rock	Various locations throughout the state
COWEEMAN GRAVEL CO. Fred H. Koennecke, Pres. Cherry Grove, Oreg. Current production.	Gravel	COWLITZ COUNTY Kelso area Sec. 32, (8-1W)
CUNNINGHAM, PAUL, SAND & GRAVEL 6315 N. Cedar St. Spokane 16, Wash. Current production.	Sand	SPOKANE COUNTY Pit at same address
DISHMAN READY MIX H. P. Thompson, owner P. O. Box 5, Dishman, Wash. Current production.	Sand	SPOKANE COUNTY 8709 E. Sprague Ave. Dishman, Wash.
ELLENSBURG CEMENT PRODUCTS, INC. R. J. Dunnington, Secy.-Treas. P. O. Box 27 W. 7th, Ellensburg, Wash. Current production.	Sand, gravel	KITTITAS COUNTY Thrall area Sec. 30, (17-19E)

* 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.

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
GENERAL CONSTRUCTION CO. D. V. McEachern, Pres. P. O. Box 3244, 3840 Iowa Ave. Seattle, Wash. Current production from Mats Mats quarry.	Crushed stone, riprap	JEFFERSON COUNTY Lots 5, 6, 7, 8, Sec. 33, (29-1E) Port Ludlow area
GLACIER SAND & GRAVEL CO. Henry J. Kaiser, Pres. W. P. Jackson, Oper. Mgr. 5975 E. Marginal Way Seattle 4, Wash. Current production.	Sand, gravel	PIERCE COUNTY Steilacoom area Secs. 20, 29, (20-2E)
GRAHAM & MORRIS CONSTRUCTION CO. Toppenish, Wash. Current production.	Sand, gravel	YAKIMA COUNTY Sec. 32, (11-20E)
GREEN, BERNARD N. 7618 Smith St. Spokane, Wash. Current production.	Sand	SPOKANE COUNTY Pit at Hillyard and Mead, off Market St.
GREEN CO., THE 119 N. Post St. Spokane 1, Wash. Current production.	Crushed rock	SPOKANE COUNTY Spokane area Sec. 32, (26-42E)
HAGARA, M. AND SNELL, A. 1107 North E St. Aberdeen, Wash. Current production.	Sand, gravel	GRAYS HARBOR COUNTY Montesano area NW¼ sec. 2, (17-8W) Aberdeen area SW¼SE¼ sec. 16, (17-9W)
HAGLUND, ALLIE J. East Stanwood, Wash. Current production.	Sand, gravel	SNOHOMISH COUNTY Sec. 19, (32-4E)
HAMMOND, A. W. 1116 Water St. South Bend, Wash. Intermittent production.	Crushed stone, riprap	PACIFIC COUNTY South Bend area SE¼ sec. 22, (14-9W)
	Sand	GRAYS HARBOR COUNTY Hoquiam NE¼NW¼ sec. 7, (17-9W)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
HANSON SAND CO. Art Hanson, owner E. 1115 Francis Ave. Spokane, Wash. Current production.	Sand	SPOKANE COUNTY Near Mead
HARRISON BROTHERS CO., THE J. A. Harrison 225 Wakefield Dr., Tacoma, Wash. Current production.	Sand, gravel	PIERCE COUNTY Lakeview area NE¼ sec. 1, (19-2E)
HILL TOP GRAVEL CO. V. B. Greeley, owner 23rd Ave. and 21st St. S.E. Puyallup, Wash. Current production.	Sand, gravel, crushed gravel	PIERCE COUNTY Puyallup area SW¼ sec. 35, (20-4E)
HOLMES BROS. Frank L. Holmes Box 382, Moses Lake, Wash. Richard P. Holmes 2202 Northern Life Tower Seattle 1, Wash. Current production.	Sand, gravel, crushed rock	GRANT COUNTY Moses Lake area NW¼ sec. 11, (19-28E)
HOLROYD CO. 5047 S. Washington St. Tacoma, Wash. Current production.	Sand, gravel	PIERCE COUNTY Pit at 74th and Orchard Grove, South Tacoma
HUTCHINSON SAND & GRAVEL CO. Ivan Hutchinson Thorp, Wash. Current production.	Sand, gravel	KITTITAS COUNTY Thorp area Sec. 28, (18-18E)
INLAND ASPHALT CO. Charles S. Clute, Pres. P. O. Box 4116, Sta. B 10th and Havana Spokane, Wash. Current production.	Crushed rock	SPOKANE COUNTY Quarry at same address
ISSAQUAH SAND & GRAVEL Irving E. Tibbets Rt. 1, Box 275, Issaquah, Wash. Current production.	Sand, gravel	KING COUNTY Issaquah area SE¼ sec. 21, (24-6E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
JOHN'S CREEK SAND & GRAVEL Norman Anderson, lessee 215 Harvard St. Shelton, Wash. Current production.	Sand, gravel	MASON COUNTY Sec. 3, (20-3W)
JONES-SCOTT CO. F. L. Jones, Pres. 10 N. Third St. Walla Walla, Wash. Current production.	Sand, gravel	WALLA WALLA COUNTY At Walla Walla SW¼SE¼ sec. 19, (7-36E)
KAMPE SAND & GRAVEL CO. N. A. Kampe, owner 1501 W. 8th St., Vancouver, Wash. Current production.	Sand	CLARK COUNTY On W. River road NE¼ sec. 19, (2-1E)
KANE BROS. CONCRETE PRODUCTS, INC. A. E. Kane, Pres. P. O. Box 1296 Wenatchee, Wash. Current production.	Sand, gravel	CHELAN COUNTY Cashmere area SE¼NE¼ sec. 6, (23-19E)
KELLER, C. E. Rt. 2, Grandview, Wash. Intermittent production.	Sand, gravel, crushed stone	YAKIMA COUNTY Sec. 35, (9-23E)
KERBY, F. B., & SONS Rt. 2, Toppenish, Wash. Current production.	Sand, gravel	YAKIMA COUNTY Sec. 35, (11-20E)
KIRKLAND SAND & GRAVEL CO. Box 714, Kirkland, Wash. Current production.	Sand, gravel	KING COUNTY At Kirkland NW¼SW¼ sec. 33, (26-5E)
KLINELINE SAND & GRAVEL L. N. Berry, Mgr. Rt. 7, Box 225, Vancouver, Wash. Current production.	Sand, gravel crushed rock	CLARK COUNTY Salmon Creek area SW¼ sec. 26, (3-1E)
KLINKER SAND & GRAVEL CO. A. W. McDougall, Secy. 6500 W. Marginal Way Seattle 6, Wash. Current production.	Sand, gravel	KING COUNTY Lot 3, Block 1, Melville Barth Addition, Seattle

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
LAKE CITY GRAVEL & MATERIALS, INC. P. O. Box 332, Kenmore, Wash. W. F. Herrett, Pres. 1619 E. Lynn, Seattle, Wash. Current production.	Gravel, crushed gravel	KING COUNTY Lake City area Sec. 26, (27-4E)
LAKESIDE GRAVEL CO., INC. Orville E. Gibson, owner Bellevue, Wash. Current production.	Sand, gravel, crushed gravel	KING COUNTY Vicinity of Bellevue NW¼SE¼ sec. 10, (24-5E)
LANNING, OLIVER Poulsbo, Wash. Current production.	Sand, gravel	KITSAP COUNTY Sec. 9, (26-1E)
LAYRITE CONCRETE PRODUCTS OF KENNEWICK, INC. R. W. Ross, Pres. P. O. Box 206, Kennewick, Wash. Current production.	Sand, gravel	BENTON COUNTY Kennewick area NW¼ sec. 8, (8-30E)
LEWISTON PRE-MIX CONCRETE CO. Stanley Lafrenz, Mgr. Box 646, Lewiston, Idaho Current production from:		
Clarkston pit	Sand, gravel	ASOTIN COUNTY Clarkston area SE¼ sec. 28, (11-46E)
Silcott pit.	Gravel	Silcott area Sec. 20, (11-45E)
LIND GRAVEL CO. Russell E. Lind 1530 State St. Bellingham, Wash. Current production.	Sand, gravel	WHATCOM COUNTY At Bellingham Sec. 24, (38-2E)
LONGVIEW CONCRETE PIPE CO. George F. Ruth, Mgr. P. O. Box 628, Longview, Wash. Current production.	Sand, gravel	COWLITZ COUNTY Longview area Secs. 27, 34, (8-2W)
LOSEY BROS. 515 Grade St., Kelso, Wash. Current production.	Sand, gravel	COWLITZ COUNTY Longview area Sec. 23, (8-2W)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
LOWRY, JIM, SAND & GRAVEL Box 241, Dayton, Wash. Current production.	Sand, gravel	COLUMBIA COUNTY Near Dayton Sec. 25, (10-38E)
M W LOGGING CO. Martin Wirkkala, owner Naselle, Wash. Current production.	Aggregate, crushed rock	PACIFIC COUNTY Near Naselle SE¼ sec. 34, (11-9W)
MARTIN SAND & GRAVEL CO. P. O. Box 325, Centralia, Wash. Current production.	Sand, gravel, crushed rock	LEWIS COUNTY Waunchs Praire Sec. 32, (15-2W)
MASON MATERIALS CO. W. B. Judah, Jr. S. 7th and Park Shelton, Wash. Current production.	Sand, gravel	MASON COUNTY Shelton area Secs. 13, 24, (20-4W)
MATERNE SAND CO. Al. and Val. Materne, owners W. 330 Buckeye Ave. Spokane, Wash. Current production.	Sand	SPOKANE COUNTY Pit at Cedar and Francis Sts., Spokane
MATHESON SAND & GRAVEL CO. Harold W. Matheson, owner Box 167, Pasco, Wash. Current production.	Sand, gravel	BENTON COUNTY Near Kennewick Sec. 6, (8-30E)
MEADE SAND & GRAVEL CO. Archie Meade, owner 10140 S. 356th, Auburn, Wash. Current production from:		
Midway pit 24800 Pacific Highway S. Seattle	Sand, gravel	KING COUNTY Midway area Sec. 28, (22-4E)
Auburn pit 10140 S. 356th, Auburn.	Sand, gravel, crushed gravel	Near game farm NW¼ sec. 29, (21-5E)
MICHELSON READY MIX Don R. Ross Colfax, Wash. Current production.	Sand, gravel	WHITMAN COUNTY Colfax area Center sec. 10, (16-43E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
MILES CO. Walter F. Miles, owner P. O. Box 30 12th and M St. S.E. Auburn, Wash. Current production.	Sand, gravel	KING COUNTY Auburn area NE¼ sec. 19, (21-5E)
MONROE SAND & GRAVEL CO. C. H. Beavers, Mgr. P. O. Box 553, Monroe, Wash. Current production from:		
Monroe pit	Sand, gravel	SNOHOMISH COUNTY Sec. 36, (28-6E)
Skykomish River pit.	Sand, gravel	Sec. 14, (27-6E)
MORRISON GRAVEL CO. Box 1029, Port Orchard, Wash. Current production.	Sand, gravel	KITSAP COUNTY Sec. 24, (23-2E)
MOUNT VERNON BUILDING MATERIAL CO. (Mount Vernon Sand & Gravel Co., Inc.) A. R. Kinney, Mgr. First and Fir Sts. Mount Vernon, Wash. Current production.	Sand, gravel	SKAGIT COUNTY Little Mountain area NW¼ sec. 34, (34-4E)
MUTUAL MATERIALS CO. J. B. Sunderland, Pres.-Mgr. 1200 8th Ave. S., Seattle, Wash. Current production.	Sand, gravel, sand-lime brick	KING COUNTY South Park area SE¼ sec. 31, (24-4E)
NELSON James, Robert, and Mrs. Gust Nelson, owners Rt. 5, Box 288, Olympia, Wash. Intermittent production.	Riprap	THURSTON COUNTY Near Tenino SW¼NW¼ sec. 31, (17-1W)
NELSON, M. E., CONSTRUCTION CO. P. O. Box 458, Ephrata, Wash. Current production.	Sand, gravel	GRANT COUNTY Ephrata area Sec. 22, (21-26E)
NICHOLS, DEE, & SONS Box 553, Soap Lake, Wash. Current production.	Sand, gravel	GRANT COUNTY Near Soap Lake Sec. 26, (22-26E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
NORDLUND, BOB 506 Warren St. Mount Vernon, Wash. Current production.	Sand, gravel	SKAGIT COUNTY Sec. 4, (35-4E)
NORTHLAKE SAND & GRAVEL CO. G. F. Wheeler, Pres. Kenmore, Wash. Current production.	Sand, gravel	KING COUNTY Near Kenmore Sec. 35, (27-4E)
PACIFIC BUILDING MATERIALS CO. Melvin Erland, Mgr. 101 E. First St. Vancouver, Wash. Current production.	Sand	CLARK COUNTY Foot of Main St., Vancouver Sec. 27, (2-1E)
PACIFIC SAND & GRAVEL CO. R. P. Coluccio, Pres. P. O. Box 628, Centralia, Wash. Current production.	Sand, gravel, crushed stone	LEWIS COUNTY Blakeslee Junction Sec. 31, (15-2W)
PIONEER SAND & GRAVEL CO. Gordon N. Scott, Pres. 901 Fairview Ave. N. (P. O. Box 1881) Seattle, Wash. George Christensen, Gen. Supt. P. O. Box 158 South Tacoma, Wash. Current production.	Sand, gravel, crushed gravel	PIERCE COUNTY Steilacoom area Secs. 20, 29, (20-2E)
POE'S SAND & GRAVEL Box 228 Clarkston, Wash. Current production.	Sand, gravel	ASOTIN COUNTY 16th and Chestnut, Clarkston NW¼ sec. 29, (11-46E)
PORTLAND GRAVEL CO. 6917 N.E. Marine Dr. Portland, Oreg. Current production.	Sand	CLARK COUNTY At Ellsworth Sec. 27, (2-1E)
PREMIX CONCRETE, INC. John W. Murphy, Pres. N. 110 Washington St. Kennewick, Wash. Current production.	Sand, gravel, crushed rock	BENTON COUNTY Near Kennewick Sec. 18, (8-30E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
PRYOR, W. S. Elmer City, Wash. Current production.	Sand, gravel	GRANT COUNTY Grand Coulee Dam area Secs. 11, 15, (28-30E)
PUGET SOUND BRIDGE & DREDGING CO. H. W. McCurdy, Pres.-Gen. Mgr. 2929 16th Ave. S.W. Seattle, Wash. Harry L. DuBois, Mgr., Quarry Div. 12020 E. Marginal Way Seattle, Wash. Current production at Riverton quarry. (see also: Puget Sound Bridge and Dredging Co. under Nonmetallic Mining Operations).	Crushed rock, riprap	KING COUNTY Lot 7, Riverside Interurban tract Sec. 9, (23-4E)
PUMICE STONE PRODUCTS, INC. Joe Scholze, owner Leavenworth, Wash. Current production.	Sand, gravel	CHELAN COUNTY Leavenworth area SE¼ sec. 11, (24-17E)
QUIGG BROS. CONSTRUCTION CO. 1500 Riverside Ave. Hoquiam, Wash. Current production.	Sand, gravel	GRAYS HARBOR COUNTY Montesano area Sec. 18, (17-7W) Sec. 13, (17-8W)
RANDALL KILMER CONSTRUCTION CO. 106 W. 11th Port Angeles, Wash. Current production.	Sand, gravel	CLALLAM COUNTY Morse Creek NW¼ sec. 8, (30-5W)
READYMIX CONCRETE CO. Division of Pacific Building & Materials Co. Melvin Erland, Plant Supt. Vancouver, Wash. Current production.	Aggregate	CLARK COUNTY Vancouver area
RICH SAND & GRAVEL Arthur P. and Roy L. Rich Box 1156 Wenatchee, Wash. Current production.	Sand, gravel, crushed rock	DOUGLAS COUNTY Wenatchee area Sec. 20, (22-21E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
ROCK PRODUCTS, INC. E. H. Tidland, Pres. Leighton Blake, Mgr. Box 845, Camas, Wash. Plant at 1635 S.E. 6th Ave. Camas, Wash. Current production.	Sand, gravel, crushed rock	SKAMANIA COUNTY Near North Bonneville SW¼ sec. 15, (2-7E)
ROMERO BROS. Newport, Wash. Current production.	Sand, gravel	PEND OREILLE COUNTY SE¼ sec. 13, (31-45E)
ST. AUBIN, ERNEST Rt. 5, Box 491 Everett, Wash. Current production.	Sand, gravel	SNOHOMISH COUNTY NE¼SW¼ sec. 11, (29-5E)
SCHRIER, R. D. Twisp, Wash. Current production.	Sand, gravel	OKANOGAN COUNTY Twisp district NE¼ sec. 7, (33-22E)
SEARS, PHILIP Rt. 1, Mabton, Wash. Intermittent production.	Sand	YAKIMA COUNTY Near Mabton Sec. 13, (9-22E)
SEATON, STANLEY, SAND & GRAVEL 308 W. 4th Waitsburg, Wash. Current production.	Sand, gravel	WALLA WALLA COUNTY Waitsburg area Sec. 12, (9-37E)
SKAGIT GRAVEL CO. Cris Vike, owner Route 4, Box 272 Mount Vernon, Wash. Current production.	Sand, gravel	SKAGIT COUNTY Near Mount Vernon Riverside pit
SMITH, LESLIE and CALVIN Box 92, Orchards, Wash. Current production.	Sand	CLARK COUNTY Orchards area SW¼ sec. 10, (2-2E)
SMITHROCK QUARRY, INC. Howard E. Smith, Pres.-Gen. Mgr. 3801 Fourth Plain Ave. Vancouver, Wash. Current production.	Crushed rock, riprap, jetty rock	CLARK COUNTY Near Fisher Sec. 7, (1-3E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
SNOHOMISH SAND & GRAVEL Arthur F., Jack E., and Donald A. Stobb 4th and Cypress Sts. Snohomish, Wash. Current production.	Sand, gravel	SNOHOMISH COUNTY Pit at same address
SOUTH KITSAP GRAVEL CO., THE Howard Kathrens, Mgr. Rt. 2, Box 354 Port Orchard, Wash. Current production.	Sand, gravel	KITSAP COUNTY Horseshoe Lake area NE¼NE¼ sec. 9, (22-1E)
SPENCER & SON SAND & GRAVEL La Center, Wash. Intermittent production.	Sand, gravel	CLARK COUNTY Woodland area Sec. 9, (5-1E)
SPOKANE SAND & GRAVEL CO. W. F. Drollinger, owner 700 E. Trent Ave., Spokane 2, Wash. Current production.	Sand, gravel	SPOKANE COUNTY Pits at Irvin, Mead, and Riblett
STAR SAND CO. L. J. Gilnet, Supt. P. O. Box 894, Longview, Wash. Current production.	Crushed rock	COWLITZ COUNTY Quarry near Longview
STINSON, HOWARD 109 Thill Addition Sunnyside, Wash. Intermittent production.	Sand, gravel	YAKIMA COUNTY Snipes Mountain Sec. 34, (10-22E)
STONEWAY DOCK CO. G. E. Hardenbergh, Pres.-Gen. Mgr. P. O. Box 509, Renton, Wash. Current production.	Sand, gravel	KING COUNTY Renton pit Sec. 17, (23-5E)
SUBURBAN SAND & GRAVEL, INC. C. G. Bowen, Pres. Box 214, Kenmore, Wash. Current production.	Sand, gravel	KING COUNTY Alderwood Manor area Sec. 1, (26-4E)
SUPERIOR CONCRETE PRODUCTS L. L. Buchanan, owner 115 W. "D" St., Yakima, Wash. Current production.	Sand, gravel, crushed rock	YAKIMA COUNTY Yakima area Sec. 20, (13-19E) Pit at 2000 E. Beech

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
SUTTER, LOUIS R.F.D. 1, Box 4491 Issaquah, Wash. Current production.	Gravel	KING COUNTY Issaquah area SE¼ sec. 21, (24-6E)
SWANO EXCAVATING CO. South end of Lewis St. P. O. Box 432, Aberdeen, Wash. Current production.	Sand, gravel	GRAYS HARBOR COUNTY Aberdeen area SW¼ sec. 15, (17-9W)
SWOPE SAND & GRAVEL CO. Frank S. Swope Rt. 1, Box 222, Ferndale, Wash. Current production.	Sand, gravel	WHATCOM COUNTY Lynden area SE¼ sec. 22, (40-2E)
TEEL BROS. CONTRACTORS Rt. 2, Box 899-B Bremerton, Wash. Current production.	Sand, gravel	KITSAP COUNTY Bremerton area NE¼SE¼ sec. 7, (23-1E)
THOMPSON, JOHN Rt. 1, River Bend Farm Granger, Wash. Current production.	Sand, gravel	YAKIMA COUNTY Granger area Sec. 17, (10-21E)
THORNTON SAND & GRAVEL Charles Thornton Brewster, Wash. Current production.	Sand, gravel	OKANOGAN COUNTY Brewster area NW¼ sec. 23, (30-24E)
TOBIN, FRANCIS J. 3201 Lincoln Rd., Yakima, Wash. Current production.	Sand, gravel	YAKIMA COUNTY Parker area E½ sec. 20, (12-19E)
TOUGAW & OLSON, INC. E. R. Olson, Pres. S. O. Tougaw, Secy. Robert Olson, Treas. 1501 Wells, (Box 247) Enumclaw, Wash. Current production.	Sand, gravel	KING COUNTY Enumclaw area Sec. 29, (20-7E)
TWIN CITY SAND AND GRAVEL CO. Arthur B. Plummer, Pres.-Mgr. P. O. Box 8, Centralia, Wash. Current production.	Sand, gravel, crushed gravel	LEWIS COUNTY Plummer Lake area NE¼ sec. 7, (14-2W)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
UNION SAND & GRAVEL CO. Wm. M. Murphy, Pres. N. 805 Division St. Spokane 1, Wash. Current production from:		
Fort George Wright (No. 1) pit	Sand, gravel, crushed stone	SPOKANE COUNTY On Government Way
Yardley (No. 2) pit.	Sand, gravel, crushed stone	SPOKANE COUNTY At Broadway and Havana
VALLEY CEMENT CO. E. J. Auve, Pres.-Gen. Mgr. 7 E. "I" St., Yakima, Wash. Current production.	Sand, gravel, crushed rock	YAKIMA COUNTY Yakima area SW¼NW¼ sec. 6, (13-19E)
VALLEY READY MIX CONCRETE L. R. Drollinger, owner Sunnyside, Wash. Current production.	Sand, gravel, crushed rock	YAKIMA COUNTY Sunnyside area Sec. 8, (9-22E)
WASHINGTON STATE Department of Highways Current production.	Sand, gravel, crushed rock	Various locations throughout the state
WESTERN GRAVEL CO. J. M. Sloane, operator Box 65, Maple Valley, Wash. Current production.	Sand, gravel, crushed rock	KING COUNTY Maple Valley area Sec. 16, (22-6E)
WESTON SAND & GRAVEL CO. Eugene V. Daniels, Mgr. Box 603 4th and Ainsworth Sts. Pasco, Wash. Current production.	Sand, gravel	FRANKLIN COUNTY 4th and Ainsworth Sts. Pasco, Wash.
WILLAPA HARBOR QUARRIES, INC. 819 Ocean Ave., Raymond, Wash. Current production.	Crushed rock	PACIFIC COUNTY South Bend area SE¼ sec. 21, (14-9W)
WOODLAND SAND & GRAVEL Harry Taylor, owner Box 1002, Woodland, Wash. Current production.	Sand, gravel	COWLITZ COUNTY Woodland area Sec. 10, (5-1E)

NAME OF OPERATION	PRODUCT	PROPERTY LOCATION
YAKIMA CEMENT PRODUCTS CO. J. P. Sherman, Pres.-Gen. Mgr. P. O. Box 436 1202 S. First St., Yakima, Wash. Current production from:		
Grandview pit	Sand, gravel	YAKIMA COUNTY NW¼ sec. 34, (9-23E)
Yakima pit.	Sand, gravel, crushed gravel	Sec. 31, (13-19E)

SOME RECENT PUBLICATIONS OF THE DIVISION OF MINES AND GEOLOGY

Division of Mines and Geology Bulletin 37 - Inventory of Washington minerals, by Grant M. Valentine. Part I. Nonmetallic minerals. 1949. 113 pp. 39 pls. $1.00.

Division of Mines and Geology Report of Investigations No. 15 - Pumice and pumicite occurrences of Washington, by Ward Carithers. 1946. 78 pp. 6 pls. 25¢.

Division of Mines and Geology Report of Investigations No. 16 - Origin and occurrence of gem stones in Washington, by Sheldon L. Glover. 1949. 32 pp. 25¢.

Division of Mines and Geology Report of Investigations No. 17 - Perlite and other volcanic glass occurrences in Washington, by Marshall T. Huntting. 1949. 77 pp. 25¢.

Division of Mines and Geology Information Circular No. 20 - 1952 Directory of Washington mining operations, by C. Phillips Purdy, Jr. 1952. 75 pp. Free.

Division of Mines and Geology Bulletin 38 - The place of steam-electric generating stations in the orderly program of electric power development in the Pacific Northwest, by Holland H. Houston. 1950. 117 pp. 1 pl. 50¢.

Division of Mines and Geology Bulletin 39 - Antimony occurrences of Washington, by C. Phillips Purdy, Jr. 1951. 186 pp. $1.00.

Division of Mines and Geology Bulletin 40 - Geology of the Bead Lake district, Pend Oreille County, Washington, by Melvin C. Schroeder. 1952. 57 pp. 7 pls. 75¢.

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