

State of Washington

Arthur B. Langlie, Governor

Department of Conservation and Development

W. A. Galbraith, Director

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DIVISION OF MINES AND GEOLOGY

Sheldon L. Glover, Supervisor

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Information Circular No. 23

DIRECTORY OF WASHINGTON MINING OPERATIONS  
1954

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By  
C. Phillips Purdy, Jr.

Olympia, Washington  
January 1, 1954



## FOREWORD

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

Sand, gravel, and common crushed-rock operations 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, 1954

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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.

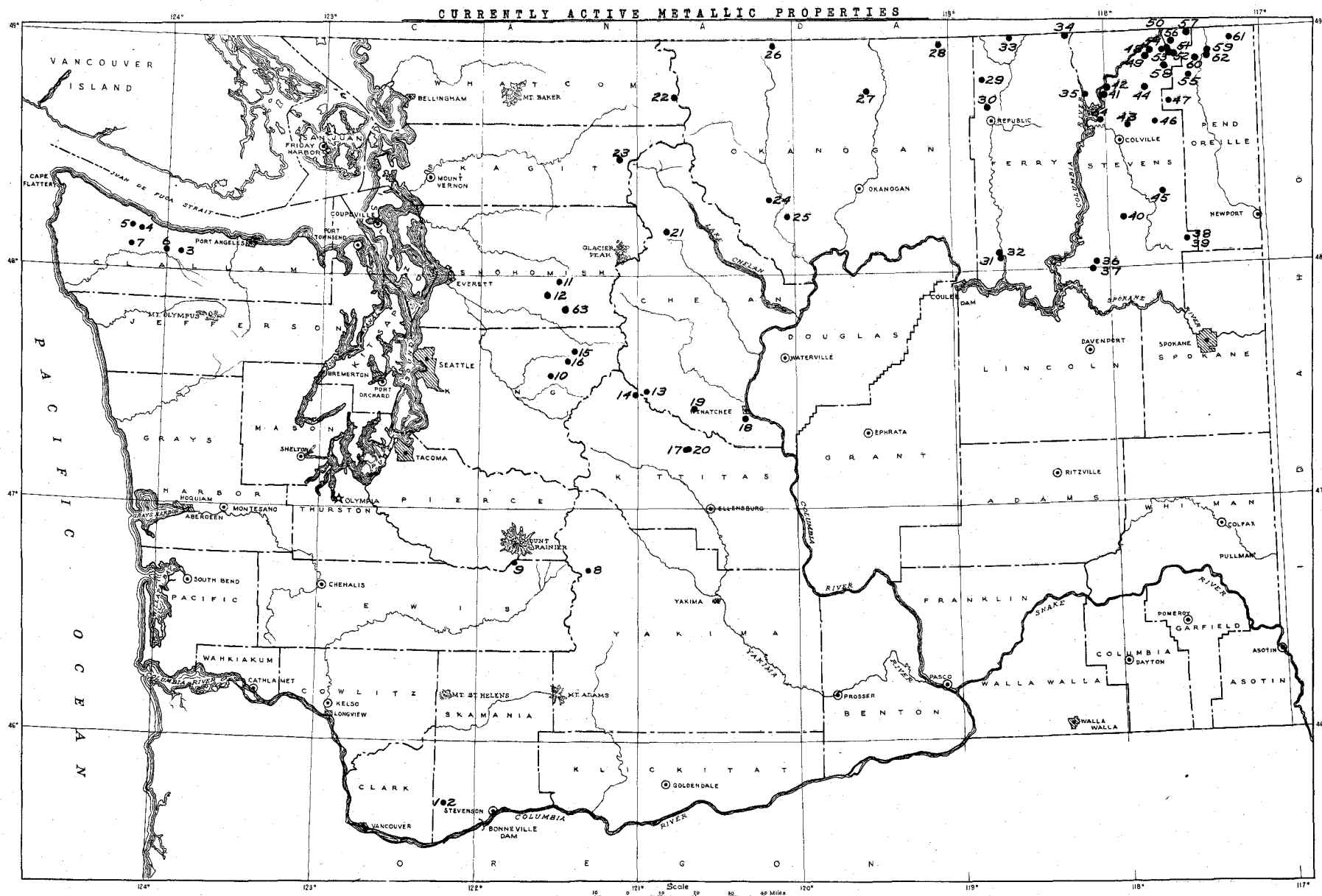
Preceding the alphabetical listings appear three sets of indexes. The first, the PROPERTY INDEX, requires that only the appropriate mine, prospect, claim, pit, or quarry name be known in order that one may ascertain full information about the active property from the alphabetical section. The second,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

The abbreviations used throughout the directory include:

Ag - silver	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, NE $\frac{1}{4}$  sec. 15, (29-37E), which written in full would be northeast quarter of section 15, township 29 north, range 37 east Willamette meridian.



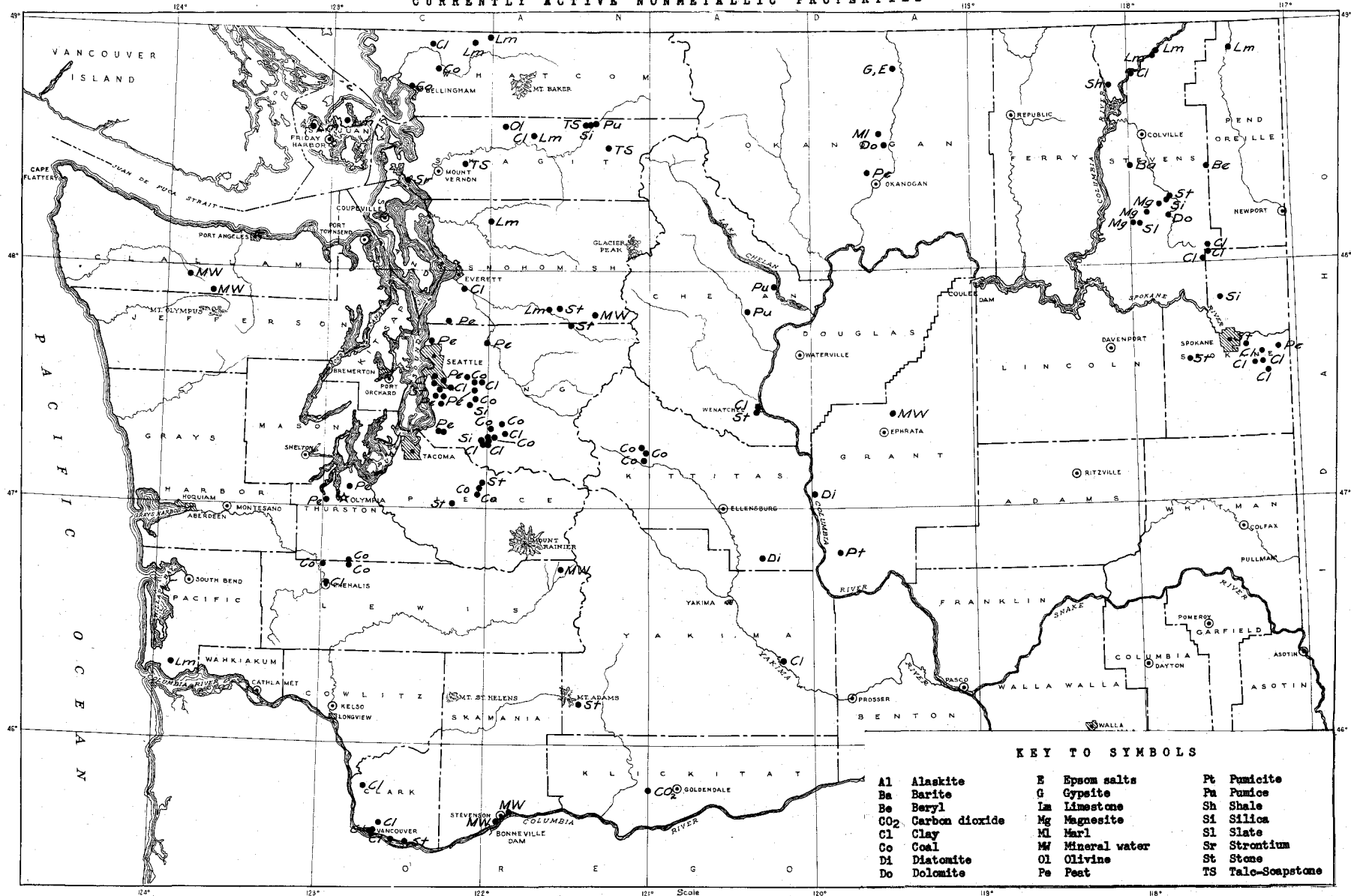
## KEY TO ACTIVE METALLIC PROPERTIES

1. Skamania
2. Yellow Jacket and Ho Ho
3. Crescent
4. Bear Creek
5. Helen
6. Littleton
7. State Lease
8. Indian Creek
9. Eagle Peak Copper
10. Western States Copper
11. Iowa
12. Kromona
13. Pickwick
14. Big Dome
15. Three "S" Gulch
16. Aces Up
17. Nugget
18. Gold King
19. Gold Bond and Gold Gulch
20. Flag Mountain
21. Holden

22. Golden Arrow
23. Johnsburg
24. Alder
25. Minnie
26. Boundary
27. Silver Mountain
28. Chesaw
29. Kelly Camp
30. Knob Hill
31. Consolidated Mines
32. Ophir
33. Lone Star
34. Talisman
35. Napoleon
36. Germania
37. Keeth
38. Big Q Tungsten
39. Little King Tungsten
40. Edna
41. Bonanza
42. Young America

43. Big Chief
44. Van Stone
45. United Copper
46. Longshot
47. Rocky Creek
48. Scandia
49. Deep Creek
50. Hartbauer
51. Gladstone
52. Electric Point
53. Lead King
54. A. Anderson
55. Jim Creek
56. Lucille and Red Top
57. United Treasure
58. Maki, Dosser, Lotz
59. Pend Oreille
60. Oriole
61. La Sota
62. Grandview
63. Sunset
64. Coyote

# CURRENTLY ACTIVE NONMETALLIC PROPERTIES





Product	1950		1951	
	Quantity	Value (thousand dollars)	Quantity	Value (thousand dollars)
Abrasive stone:				
Pebbles (grinding)-short tons	25	(c)	28	(c)
Pulpstones ----- do -	33	2	22	2
Antimony ore ----- do -	-----	-----	110	(b)
Carbon dioxide, natural (estimated) -thousand cubic feet -	(b)	(b)	(b)	(b)
Clays (except for cement)				
----- thousand short tons -	217	252	205	286
Coal ----- do -	874	5,829	857	6,031
Copper ----- short tons -	5,057	2,104	4,089	1,979
Gold ----- troy ounces -	92,117	3,224	67,405	2,359
Iron ore - thousand long tons -	(b)	(b)	(b)	(b)
Lead ----- short tons -	10,334	2,790	8,002	2,769
Olivine ----- do -	40	(b)	(b)	(b)
Peat ----- do -	(b)	(b)	45,304	99
Pumice and pumicite ----- do -	11,013	23	5,105	11
Sand and gravel				
----- thousand short tons -	10,606	7,435	10,547	7,596
Silver - thousand troy ounces -	364	329	335	303
Stone, dimension -----	(b)	(b)	(b)	(b)
Stone (except dimension and limestone for cement and lime) - thousand short tons -	4,931	5,735	5,030	5,664
Tungsten concentrates (60% WO <sub>3</sub> basis) ----- short tons -	-----	-----	9	33
Zinc ----- do -	14,807	4,205	18,189	6,621
Undistributed (d) -----	-----	17,127	-----	20,799
Total value	-----	49,055	-----	54,552

(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) Cement, diatomite, epsomite, gem stones, gypsite, lime, magnesite, quartz, 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 \$14,103,000, or approximately 25.9 percent of the state's total production in 1951; industrial minerals accounted for the remaining \$40,449,000, or 74.1 percent. In 1951 Washington was 31st in rank with 0.40 percent of the total United States mineral output, Idaho was 27th in rank with 0.61 percent, and Oregon was 37th in rank with 0.21 percent.

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Bear Creek mine	30
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Big Chief mine	30
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Big Q mine see Big Q Tungsten Mines, Inc.	30
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Latshaw silica deposit    see Pacific Silica Co.	49
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Littleton prospect    see Crescent Mines	31
Lone Star mine	35
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Newcastle mine    see B & R Coal Co.	40
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Olson pit    see Washington Brick and Lime Co.	54
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Queen No. 1 mine    see Bianco Coal Mines	40

<u>Name</u>	<u>Page</u>
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Red Marble quarry see Northwest Magnesite Co.	47
Red Rock quarry	50
Red Top mine see Pacific Northwest Mining Co.	36
Renton clay pit see Gladding, McBean & Co.	43
Riverside quarry see Brown, N. W. L.	41
Riverton quarry see Puget Sound Bridge & Dredging Co.	50
Roche Harbor quarry see Roche Harbor Lime & Cement Co.	50
Rocky Creek mine	37
Scandia mine	37
Seattle clay pit see Builder's Brick Co.	41
Sentinel Mountain pit see Superior Portland Cement, Inc.	53
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Silica Hill deposit see Pacific Silica Co.	49
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Skykomish River pit see Monroe Sand & Gravel Co.	65
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Three S Gulch property see Alexander Mining Co.	29
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United Copper mine	38
United Treasure mine	38
Valley dolomite quarry see Manufacturers Mineral Co.	46
Van Stone mine see American Smelting & Refining Co.	29
Vera pit see Sommer, A. M.	52
Wilson Talc mine see Wilson Talc Co.	55
Yakima pit see Yakima Cement Products Co.	72
Yardley (No. 2) pit see Union Sand & Gravel Co.	71
Yellow Jacket claim	38
Young America mine see Bonanza Lead	30

## METALLIC PRODUCT INDEX

P r o d u c t s						Operation	Page
Gold	Silver	Copper	Lead	Zinc	Other metals		
		X	X			A. Anderson prospect	29
X		X	X			Alder Gold-Copper Co.	29
		X	X			Alexander Mining Co.	29
		X	X			American Smelting & Refining Co.	29
	X	X	X			American Zinc, Lead & Smelting Co.	30
					Mn	Bear Creek Mines, Inc.	30
	X	X				Big Chief and Chloride Queen groups	30
		X				Big Dome Mining Co.	30
					W	Big Q Tungsten Mines, Inc.	30
	X	X				Bonanza mine	30
					W	Border Lord Mining Co.	31
	X	X				Cascade Mining Co.	31
X	X					Chesaw mine	31
		X			Mo	Consolidated Mines & Smelting Co., Ltd.	31
					Mn	Crescent Mines	31
X		X				Eagle Peak Copper Mining Co.	31
	X	X				Edna mine	32
			X			Electric Point mine	32
X						Flag Mountain Mining Co., Inc.	32
					Mo,W	Germania Consolidated Mines, Inc.	32
		X				Gladstone mine	32
X						Gold Bond Mining Co.	32
X						Gold Gulch Mining Co.	32
X	X	X				Golden Arrow	33
	X	X	X			Goldfield Consolidated Mines Company, The	33
		X	X			Hartbauer project	33
					Mn	Helen mine	33
X	X	X		X		Howe Sound Co.	33
					Hg	Indian Creek Mercury Mines, Inc.	34
X	X	X				Iowa mine	34
	X		X	X		Jim Creek Mines, Inc.	34
	X	X				Johnsburg Mining & Milling Co.	34
					W	Kelly Camp mine	34
X	X					Knob Hill Mines, Inc.	34
X	X	X			Mo,W	Kromona Mines Corp.	34
		X	X			La Sota, F. P. and Jones, E. P.	35
		X				Lead King mine	35

(continued)

P r o d u c t s						Operation	Page
Gold	Silver	Copper	Lead	Zinc	Other metals		
					W	Little King Tungsten mine	35
	X					Lone Star mine	35
X	X					Lovitt Mining Co., Inc.	35
		X	X			Maki, Dosser, Lotz group	35
X	X					Minnie mine	35
X						Nugget Properties, Inc.	35
X	X	X	X			Ophir group	36
X	X	X	X			Oriole mine	36
	X	X	X	W		Pacific Northwest Mining Co.	36
	X	X	X			Pend Oreille Mines & Metals Co.	36
X	X	X				Phantom Creek Copper, Inc.	36
	X	X	X	W		Pioneer Mining Co.	36
X	X	X				Rocky Creek group	37
		X	X			Scandia Mining group	37
X	X	X	X			Silver Mountain Mining Co., Inc.	37
	X					Skamania mine	37
					Fe	Spokane Portland Cement Co.	37
					Mn	State Lease (Beaver Falls)	37
	X	X	X	W		Talisman Mining & Leasing Co.	37
				W		Tungsten Mining & Milling Co.	38
	X	X				United Copper mine	38
	X	X				United Treasure mine	38
X	X	X				Western States Copper Corp.	38
		X				Yellow Jacket and Ho Ho claims	38
	X	X	X			Young America mine	30

Other metals include:

Fe - iron  
Hg - mercury

Mn - manganese  
Mo - molybdenum

Ni - nickel  
W - tungsten

## NONMETALLIC PRODUCT INDEX

<u>Product</u>	<u>Operation</u>	<u>Page</u>
Barite	Manufacturers Mineral Co.	46
Beryl	Railway Dike Pegmatite	50
Carbon dioxide	Gas-Ice Corp.	43
Clay and clay products	Abrahamson Brick Co.	39
"	Adderson, J. G.	39
"	Builder's Brick Co.	41
"	Chehalis Brick & Tile Co.	42
"	Fitzgerald, M. A. (Mrs.)	42
"	Gladding, McBean & Co.	43
"	Granger Clay Products Co.	44
"	Hidden Brick Co.	44
"	Johnson Coal Co.	44
"	Lowell Brick & Tile Co.	45
"	Muffet, C. B., Brick & Tile Co.	47
"	Olympic Portland Cement Co., Ltd., The	49
"	Pirello Bros.	49
"	Sommer, A. M.	52
"	Stillwell, J. B.	52
"	Superior Portland Cement, Inc.	53
"	Washington Brick & Lime Co.	53
"	Washington Pottery Co.	54
"	Wenatchee Brick & Tile Co.	54
"	Wilde Co.	55
Coal	B & R Coal Co.	40
"	Bellingham Coal Mines Co.	40
"	Bianco Coal Mines	40
"	Big 4 Coal Co.	40
"	Black Prince Coal Co.	40
"	Carbonado Coal Co.	41
"	Draghi, Louis	42
"	Goshen Coal Co.	44
"	Monarch Coal Processing Co.	47
"	Northwestern Improvement Co.	48
"	Palmer Coking Coal Co., Inc.	49
"	Roslyn-Cascade Coal Co.	51
"	Stoker Coal Mining Co.	52
"	Terteling, J. A., & Sons, Inc.	53



(continued)

<u>Product</u>	<u>Operation</u>	<u>Page</u>
Diatomite	Kittitas Diatomite Co.	45
"	Quincy Corp.	50
Dolomite	Brown, N. W. L.	41
"	Manufacturers Mineral Co.	46
Epsom salts	Laucks Chemical Co.	45
Gypsite	Laucks Chemical Co.	45
Lime	Roche Harbor Lime & Cement Co.	50
Limestone	Columbia River Lime Co.	42
"	Everett Lime Co.	42
"	Janni, Peter, & Sons	44
"	Lehigh Portland Cement Co.	45
"	Miller Lime Co.	46
"	Mitchell Bay Lime Co.	46
"	Morcrop Lime Co.	47
"	Northwestern Portland Cement Co.	48
"	Olympic Portland Cement Co., Ltd., The	49
"	Roche Harbor Lime & Cement Co.	50
"	Spokane Portland Cement Co.	52
"	Superior Portland Cement, Inc.	53
Magnesite	Northwest Magnesite Co.	47
Marl	Washington Natural Products Co.	54
Mineral water	Garland Mineral Springs	43
"	Moffett's Hot Springs	46
"	Ohanapecosh Hot Springs	48
"	Olympic Hot Springs	48
"	St. Martin's Mineral Hot Springs	51
"	Soap Lake	52
"	Sol Duc Hot Springs	52
Molding sand	Cavanaugh Moulding Sand Co.	41
"	Manufacturers Mineral Co.	46
"	Wilde Co.	55

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<u>Product</u>	<u>Operation</u>	<u>Page</u>
Olivine	Scheel, H. P.	51
Peat	Arbor Lake Humus Co.	39
"	Argus Super Humus	39
"	Arrow Lake Humus Co.	39
"	Bassett's Garden Supplies	40
"	Black Gold Humus	40
"	Bow Lake Farms	41
"	Bow Lake Humus Co.	41
"	Campbell, Roland P.	41
"	Carlson, Eric E.	41
"	Federal Way Humus Co.	42
"	Fircrest Peat Co.	42
"	Fuller Soils	43
"	Hord, R. S.	44
"	Morrison, Harry A.	47
"	Mount View Humus Co.	47
"	Plant Food Co.	49
"	Seola Humus Co.	51
"	Setzer, Max	51
"	Sharp, J. Arnold	51
"	Wogsland, C. G.	55
Portland cement	Lehigh Portland Cement Co.	45
"	Northwestern Portland Cement Co.	48
"	Olympic Portland Cement Co., Ltd., The	49
"	Spokane Portland Cement Co.	52
"	Superior Portland Cement, Inc.	53
Pumice	B & K mine	39
"	Sorlie, Arne	52
Pumicite	Rainier Pumice Co.	50
"	Superior Portland Cement, Inc.	53
Sand-lime brick	Mutual Materials Co.	47
	Washington Brick & Lime Co.	53
Shale	Lehigh Portland Cement Co.	45
"	Spokane Portland Cement Co.	52

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<u>Product</u>	<u>Operation</u>	<u>Page</u>
Silica and	Hemphill Brothers, Inc.	44
silica sand	Lehigh Portland Cement Co.	45
"	Manufacturers Mineral Co.	46
"	Pacific Silica Co.	49
"	Smith Bros. Silica Sand Co.	51
Soapstone and	Northwest Talc & Magnesium Co.	48
talc	Pape, J. L.	49
"	Scheel, H. P.	51
"	Skagit Talc Products	51
"	Wilson Talc Co.	55
Stone	Empire Granite Co.	42
"	Hemphill Brothers, Inc.	44
"	Keene & Son	45
"	Litchfield, A. B.	45
"	Manufacturers Mineral Co.	46
"	Mount Adams Sheet Rock Quarry	47
"	Puget Sound Bridge & Dredging Co.	50
"	Red Rock Quarry	50
"	Walker Cut Stone Co., Inc.	53
"	Watermann-Symington Slate Co.	54
"	Wilkeson-Wenatchee Stone Co.	55
Strontianite and celestite	Manufacturers Mineral Co.	46
Terrazzo chips	Manufacturers Mineral Co.	46
"	Washington Nonmetallics, Inc.	54

## C O U N T Y I N D E X

## 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

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

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Silcott	Lewiston Pre-Mix Concrete Co.	63

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"	Matheson Sand & Gravel Co.	64
"	Premix Concrete, Inc.	67

## C H E L A N C O U N T Y

<u>Product</u>	<u>Metallic Operations</u>	
Au	Gold Bond Mining Co.	32
Au	Gold Gulch Mining Co.	32
Au, Ag, Cu      Zn	Howe Sound Co.	33
Au, Ag	Lovitt Mining Co., Inc.	35
Au, Ag, Cu	Phantom Creek Copper, Inc.	36

<u>Product</u>	<u>Nonmetallic Operations</u>	
Clay products	Wenatchee Brick & Tile Co.	54
Pumice	B & K mine	39
"	Sorlie, Arne	52
Stone	Wilkeson-Wenatchee Stone Co.	55

<u>City</u>	<u>Sand and Gravel Operations</u>	
Cashmere	Kane Bros. Concrete Products, Inc.	62
Chelan	Chelan Concrete Co.	58
Leavenworth	Pumice Stone Products, Inc.	67
Wenatchee	Columbia Concrete Pipe Co.	58

## CLALLAM COUNTY

<u>Product</u>	<u>Metallic Operations</u>	<u>Page</u>
Mn	Bear Creek Mines, Inc.	30
Mn	Crescent Mines	31
Mn	Helen mine	33
Mn	State Lease	37

<u>Product</u>	<u>Nonmetallic Operations</u>	
Mineral water	Olympic Hot Springs	48
"	Sol Duc Hot Springs	52

<u>City</u>	<u>Sand and Gravel Operations</u>	
Port Angeles	Goodman, Kermit	60
"	Randall Kilmer Construction Co.	67
Sequim	Sequim Gravel Co.	68
"	Taylor, Jesse	70

## CLARK COUNTY

<u>Product</u>	<u>Nonmetallic Operations</u>	
Clay and	Hidden Brick Co.	44
clay products	Muffett, C. B., Brick & Tile Co.	47
"	Wilde Co.	55
Molding sand	Wilde Co.	55
Ornamental stone	Red Rock Quarry	50

<u>City</u>	<u>Sand and Gravel Operations</u>	
Ellsworth	Portland Gravel Co.	67
Fisher	Smithrock Quarry, Inc.	69
Orchards	Smith, Leslie and Calvin	69
Vancouver	Asche and Powers	56
"	B-D Sand & Gravel Co.	56
"	Kampe Sand & Gravel Co.	62
"	Klineline Sand & Gravel	63
"	Pacific Building Materials Co.	66
Washougal	Camas Sand & Gravel Co.	58

## COLUMBIA COUNTY

<u>City</u>	<u>Sand and Gravel Operation</u>	
Dayton	Lowry, Jim, Sand & Gravel	64

## C O W L I T Z   C O U N T Y

<u>City</u>	<u>Sand and Gravel Operations</u>	<u>Page</u>
Castle Rock	Davis, William E.	59
"	Howard, Orval	61
Kelso	Coweeman Gravel Co.	59
Longview	Longview Concrete Pipe Co.	64
"	Losey Bros.	64
"	Star Sand Co.	69
Woodland	Woodland Sand & Gravel	72

## D O U G L A S   C O U N T Y

<u>City</u>	<u>Sand and Gravel Operations</u>	
Bridgeport	Bridgeport Sand & Gravel	57
East Wenatchee	Batterman's Quality Sand & Gravel	56
Wenatchee	Rich Sand & Gravel	68

## F E R R Y   C O U N T Y

<u>Product</u>	<u>Metallic Operations</u>	
Cu   Mo	Consolidated Mines and Smelting Co., Ltd.	31
W	Kelly Camp mine	34
Au, Ag	Knob Hill Mines, Inc.	34
Cu	Lone Star mine	35
Au, Ag   Pb, Zn	Ophir group	36
Ag   Cu, Zn, W	Talisman Mining & Leasing Co.	37

## F R A N K L I N   C O U N T Y

<u>City</u>	<u>Sand and Gravel Operations</u>	
Connell	Connell Sand & Gravel	59
Pasco	Weston Sand & Gravel Co.	71

## G R A N T   C O U N T Y

<u>Product</u>	<u>Nonmetallic Operations</u>	
Diatomite	Quincy Corp.	50
Mineral water	Soap Lake	52
Pumicite	Superior Portland Cement, Inc.	53

<u>City</u>	<u>Sand and Gravel Operations</u>	
Coulee City	Borst Bros. Sand & Gravel	57
Grand Coulee area	Pryor, W. S.	67
Moses Lake	Columbia Sand & Gravel	58
"	Holmes Bros.	61
Soap Lake	Nickols, Dee, & Sons	66

## GRAYS HARBOR COUNTY

<u>City</u>	<u>Sand and Gravel Operations</u>	<u>Page</u>
Aberdeen	Hagara, M. and Snell, A.	60
"	Swano Excavating Co.	70
Elma	Cloquallum Sand & Gravel	58
"	Winters, Dale	72
Hoquiam	Hammond, A. W.	60
Montesano	Hagara, M. and Snell, A.	60
"	Quigg Bros. Construction Co.	67

## JEFFERSON COUNTY

<u>City</u>	<u>Sand and Gravel Operation</u>	
Port Ludlow area	General Construction Co.	60

## KING COUNTY

<u>Product</u>	<u>Metallic Operations</u>	
Pb, Zn	Alexander Mining Co.	29
Ag Pb	Cascade Mining Co.	31
Au, Ag, Cu	Western States Copper Corp.	38

<u>Product</u>	<u>Nonmetallic Operations</u>	
Clay and	Abrahamson Brick Co.	39
clay products	Adderson, J. G.	39
"	Builder's Brick Co.	41
"	Gladding, McBean & Co.	43
"	Johnson Coal Co.	44
"	Stilwell, J. B.	52
"	Superior Portland Cement, Inc.	53
"	Washington Pottery Co.	54
Coal	B & R Coal Co.	40
"	Bianco Coal Mines	40
"	Big 4 Coal Co.	40
"	Draghi, Louis	42
"	Palmer Coking Coal Co., Inc.	49
"	Terteling, J. A., & Sons, Inc.	53
Limestone	Northwestern Portland Cement Co.	48
Molding sand	Cavanaugh Moulding Sand Co.	41
Peat	Arbor Lake Humus Co.	39
"	Argus Super Humus	39
"	Arrow Lake Humus Co.	39
"	Black Gold Humus	40
"	Bow Lake Farms	41
"	Bow Lake Humus Co.	41
"	Carlson, Eric E.	41
"	Federal Way Humus Co.	42

# K I N G   C O U N T Y (continued)

<u>Product</u>	<u>Nonmetallic Operations (cont.)</u>	<u>Page</u>
Peat (cont.)	Fuller Soils	43
"	Hord, R. S.	44
"	Mount View Humus Co.	47
"	Plant Food Co.	49
"	Seola Humus Co.	51
"	Setzer, Max	51
"	Wogsland, C. G.	55
Portland cement	Northwestern Portland Cement Co.	48
Sand-lime brick	Mutual Materials Co.	47
Silica sand	Smith Bros. Silica Sand Co.	51
Stone	Hemphill Brothers, Inc.	44
"	Puget Sound Bridge & Dredging Co.	50

<u>City</u>	<u>Sand and Gravel Operations</u>	
Alderwood Manor area	Suburban Sand & Gravel, Inc.	70
Auburn	Meade Sand & Gravel Co.	65
"	Miles Co.	65
Bellevue	Lakeside Gravel Co., Inc.	63
Enumclaw	Tougaw & Olson, Inc.	70
Issaquah	Issaquah Sand & Gravel	62
"	Sutter, Louis	70
Kenmore	Northlake Sand & Gravel Co.	66
Kirkland	Kirkland Sand & Gravel Co.	62
Lake City	Lake City Gravel & Materials, Inc.	63
Maple Valley	Western Gravel Co.	71
Redmond	Cadman Gravel Co.	57
Renton	Stoneway Dock Co.	69
Seattle	Black River Quarry, Inc.	57
"	Klinker Sand & Gravel Co.	63
"	Meade Sand & Gravel Co.	65
"	Mutual Materials Co.	66
"	Puget Sound Bridge & Dredging Co.	67

# K I T S A P   C O U N T Y

<u>City</u>	<u>Sand and Gravel Operations</u>	
Bremerton	Peninsula Ready Mix Concrete, Inc.	66
"	Teel Bros. Contractors	70
Port Blakely	Peterson, Robert, Construction Co.	66
Port Orchard	Morrison Gravel Co.	65
"	South Kitsap Gravel Co., The	69
Poulsbo	Lanning, Oliver	63



## K I T T I T A S   C O U N T Y

<u>Product</u>	<u>Metallic Operations</u>	<u>Page</u>
Cu	Big Dome Mining Co.	30
Au	Flag Mountain Mining Co.	32
Au	Nugget Properties, Inc.	35
<u>Product</u>	<u>Nonmetallic Operations</u>	
Coal	Northwestern Improvement Co.	48
"	Roslyn-Cascade Coal Co.	51
Diatomite	Kittitas Diatomite Co.	45
<u>City</u>	<u>Sand and Gravel Operations</u>	
Thorp	Hutchinson Sand & Gravel Co.	61
Thrall	Ellensburg Cement Products, Inc.	59

## K L I C K I T A T   C O U N T Y

<u>Product</u>	<u>Nonmetallic Operation</u>	
Carbon dioxide	Gas-Ice Corp.	43
<u>City</u>	<u>Sand and Gravel Operation</u>	
Bingen	Bingen Sand & Gravel Co.	57

## L E W I S   C O U N T Y

<u>Product</u>	<u>Metallic Operation</u>	
Au   Cu	Eagle Peak Copper Mining Co.	31
<u>Product</u>	<u>Nonmetallic Operations</u>	
Clay products	Chehalis Brick & Tile Co.	42
Coal	Black Prince Coal Co.	40
"	Stoker Coal Mining Co.	52
Mineral water	Ohanapecosh Hot Springs	48
<u>City</u>	<u>Sand and Gravel Operations</u>	
Centralia	Martin Sand & Gravel Co.	64
"	Pacific Sand & Gravel Co.	66
"	Twin City Sand & Gravel Co.	71

L I N C O L N   C O U N T Y

<u>City</u>	<u>Sand and Gravel Operation</u>	<u>Page</u>
Odessa	Scrapps, J. E.	68

M A S O N   C O U N T Y

<u>City</u>	<u>Sand and Gravel Operations</u>	
Shelton	John's Creek Sand & Gravel	62
"	Mason Materials Co.	64

O K A N O G A N   C O U N T Y

<u>Product</u>	<u>Metallic Operations</u>	
Au    Cu    Zn	Alder Gold-Copper Co.	29
W	Border Lord Mining Co.	31
Au,Ag	Chesaw mine	31
Au,Ag	Minnie mine	35
Au,Ag    Pb,Zn	Silver Mountain Mining Co., Inc.	37

<u>Product</u>	<u>Nonmetallic Operations</u>	
Dolomite	Brown, N. W. L.	41
Epsom salts	Laucks Chemical Co.	45
Gypsite	Laucks Chemical Co.	45
Marl	Washington Natural Products Co.	54
Peat	Campbell, Roland P.	41

<u>City</u>	<u>Sand and Gravel Operations</u>	
Brewster	Brewster Red-E-Mix Concrete Co.	57
Okanogan	Columbia Concrete Pipe Co.	58
Twisp	Schrier, R. D.	68

P A C I F I C   C O U N T Y

<u>Product</u>	<u>Nonmetallic Operation</u>	
Limestone	Columbia River Lime Co.	42

<u>City</u>	<u>Sand and Gravel Operations</u>	
Naselle	M W Logging Co.	64
South Bend	Beaty, A. H.	57
"	Hammond, A. W.	60
"	Willapa Harbor Quarries, Inc.	72

## PEND OREILLE COUNTY

<u>Product</u>		<u>Metallic Operations</u>	<u>Page</u>
Ag	Pb, Zn	American Zinc, Lead & Smelting Co.	30
Ag	Pb, Zn	Jim Creek Mines, Inc.	34
	Pb, Zn	La Sota, F. P. and Jones, E. P.	35
Au, Ag	Pb, Zn	Oriole mine	36
Ag	Pb, Zn	Pend Oreille Mines & Metals Co.	36
Au, Ag	Pb	Rocky Creek group	37

<u>Product</u>		<u>Nonmetallic Operations</u>	
Limestone		Lehigh Portland Cement Co.	45
Portland cement		Lehigh Portland Cement Co.	45
Shale		Lehigh Portland Cement Co.	45
Silica		Lehigh Portland Cement Co.	45

<u>City</u>		<u>Sand and Gravel Operations</u>	
Newport		Romero Bros.	68
Usk		Rathbun, Al	68

## PIERCE COUNTY

<u>Product</u>		<u>Nonmetallic Operations</u>	
Clay		Builder's Brick Co.	41
Coal		Carbonado Coal Co.	41
"		Northwestern Improvement Co.	48
Stone		Litchfield, A. B.	45
"		Walker Cut Stone Co., Inc.	53

<u>City</u>		<u>Sand and Gravel Operations</u>	
Lakeview		Harrison Brothers Co., The	61
Puyallup		Hill Top Gravel Co.	61
Steilacoom		Glacier Sand & Gravel Co.	60
"		Pioneer Sand & Gravel Co.	66
Sumner		Corliss, Tim, & Son	59
Tacoma		Holroyd Co.	61

## SAN JUAN COUNTY

<u>Product</u>		<u>Nonmetallic Operations</u>	
Lime		Roche Harbor Lime & Cement Co.	50
Limestone		Everett Lime Co.	42
"		Roche Harbor Lime & Cement Co.	50

## S K A G I T   C O U N T Y

<u>Product</u>	<u>Metallic Operation</u>	<u>Page</u>
Ag      Pb	Johnsburg Mining & Milling Co.	34

<u>Product</u>	<u>Nonmetallic Operations</u>	
Clay	Superior Portland Cement, Inc.	53
Limestone	Superior Portland Cement, Inc.	53
Olivine	Scheel, H. P.	51
Portland cement	Superior Portland Cement, Inc.	53
Pumicite	Rainier Pumice Co.	50
Silica	Hemphill Brothers, Inc.	44
Soapstone and talc	Northwest Talc & Magnesium Co.	48
"	Pape, J. L., and Associates	49
"	Scheel, H. P.	51
"	Skagit Talc Products	51
"	Wilson Talc Co.	55
Strontianite and celestite	Manufacturers Mineral Co.	46

<u>City</u>	<u>Sand and Gravel Operations</u>	
Mount Vernon	Mount Vernon Building Material Co.	65
"	Nordlund, Bob	66
"	Skagit Gravel Co.	69

## S K A M A N I A   C O U N T Y

<u>Product</u>	<u>Metallic Operations</u>	
Cu	Skamania mine	37
Cu	Yellow Jacket and Ho Ho	38

<u>Product</u>	<u>Nonmetallic Operations</u>	
Mineral water	Moffett's Hot Springs	46
"	St. Martin's Mineral Hot Springs	51

<u>City</u>	<u>Sand and Gravel Operation</u>	
North Bonneville	Rock Products, Inc.	68

## S N O H O M I S H   C O U N T Y

<u>Product</u>	<u>Metallic Operations</u>	
Au, Ag, Cu	Iowa mine	34
Au, Ag, Cu      Mo, W	Kromona Mines Corp.	34
Au, Ag, Cu	Sunset mine	37

S N O H O M I S H   C O U N T Y  
(continued)

<u>Product</u>	<u>Nonmetallic Operations</u>	<u>Page</u>
Clay products	Lowell Brick & Tile Co.	45
Limestone	Miller Lime Co.	46
"	Morcrop Lime Co.	47
Mineral water	Garland Mineral Springs	43
Peat	Bassett's Garden Supplies	40
Stone	Manufacturers Mineral Co.	46

<u>City</u>	<u>Sand and Gravel Operations</u>	
Arlington	Arlington Sand & Gravel Co.	56
Everett	Associated Sand & Gravel Co.	56
"	Fairfield, L. D., Construction Co.	59
"	St. Aubin, Ernest	68
Monroe	Monroe Sand & Gravel Co.	65
Snohomish	Clearview Sand & Gravel Co.	58
"	Snohomish Sand & Gravel	69

S P O K A N E   C O U N T Y

<u>Product</u>	<u>Nonmetallic Operations</u>	
Clay and clay products	Gladding, McBean & Co.	43
"	Pirello Bros.	49
"	Sommer, A. M.	52
"	Washington Brick & Lime Co.	53
Peat	Morrison, Harry A.	47
Sand-lime brick	Washington Brick & Lime Co.	53
Silica	Pacific Silica Co.	49
Stone	Empire Granite Co.	42
"	Keene & Son	45

<u>City</u>	<u>Sand and Gravel Operations</u>	
Spokane	Ace Sand & Gravel Co.	56
"	Acme Sand & Gravel Co.	56
"	Carbon Bros.	58
"	Cunningham, Paul, Sand & Gravel	59
"	Green, Bernard	60
"	Green Co., The	60
"	Hanson Sand Co.	61
"	Inland Asphalt Co.	61
"	Materne Sand Co.	64
"	Spokane Sand & Gravel Co.	69
"	Union Sand & Gravel Co.	71

## S T E V E N S   C O U N T Y

<u>Product</u>		<u>Metallic Operations</u>	<u>Page</u>
	Pb,Zn	A. Anderson prospect	29
	Pb,Zn	American Smelting & Refining Co.	29
Ag	Pb	Big Chief and Chloride Queen groups	30
	W	Big Q Tungsten Mines, Inc.	30
Ag	Pb	Bonanza mine	30
Au,Ag,Cu		Coyote mine	30
Ag,Cu		Edna mine	32
	Pb	Electric Point mine	32
	W,Mo	Germania Consolidated Mines, Inc.	32
	Pb	Gladstone mine	32
Ag	Pb,Zn	Goldfield Consolidated Mines, Co., The	33
	Pb,Zn	Hartbauer project	33
	Pb	Lead King mine	35
	W	Little King Tungsten mine	35
	Pb,Zn	Maki, Dosser, Lotz group	35
Ag	Pb,Zn,W	Pacific Northwest Mining Co.	36
Ag	Pb,Zn,W	Pioneer Mining Co.	36
	Pb,Zn	Scandia mine	37
	Fe	Spokane Portland Cement Co.	37
	W	Tungsten Mining & Milling Co.	38
Ag,Cu		United Copper mine	38
Ag	Pb	United Treasure mine	38
Ag	Pb,Zn	Young America mine	30

<u>Product</u>	<u>Nonmetallic Operations</u>	
Barite	Manufacturers Mineral Co.	46
Beryl	Railway Dike Pegmatite	50
Clay	Fitzgerald, M. A. (Mrs.)	42
"	Washington Brick & Lime Co.	54
Dolomite	Manufacturers Mineral Co.	46
Limestone	Janni, Peter, & Sons	44
"	Spokane Portland Cement Co.	52
Magnesite	Northwest Magnesite Co.	47
Molding sand	Manufacturers Mineral Co.	46
Portland cement	Spokane Portland Cement Co.	52
Shale	Spokane Portland Cement Co.	52
Silica sand	Manufacturers Mineral Co.	46
Stone	Watermann-Symington Slate Co.	54
Terrazzo chips	Manufacturers Mineral Co.	46
"	Washington Nonmetallics, Inc.	54

<u>City</u>	<u>Sand and Gravel Operation</u>	
Colville	Colville Valley Concrete Co.	59

## THURSTON COUNTY

<u>Product</u>	<u>Nonmetallic Operations</u>	<u>Page</u>
Coal	Monarch Coal Processing Co.	47
Peat	Firecrest Peat Co.	42
"	Sharp, J. Arnold	51

## WALLA WALLA COUNTY

<u>City</u>	<u>Sand and Gravel Operation</u>	
Walla Walla	Jones-Scott Co.	62

## WHATCOM COUNTY

<u>Product</u>	<u>Metallic Operation</u>	
Au, Ag Pb	Golden Arrow	33

<u>Product</u>	<u>Nonmetallic Operations</u>	
Clay	Olympic Portland Cement Co., Ltd., The	49
Coal	Bellingham Coal Mines Co.	40
"	Goshen Coal Co.	44
Limestone	Mitchell Bay Lime Co.	46
"	Olympic Portland Cement Co., Ltd., The	49
Portland cement	Olympic Portland Cement Co., Ltd., The	49

<u>City</u>	<u>Sand and Gravel Operations</u>	
Bellingham	Lind Gravel Co.	64
"	Mulka Gravel Co.	65
Ferndale	Whatcom Builders Supply Co.	71

## WHITMAN COUNTY

<u>City</u>	<u>Sand and Gravel Operation</u>	
Colfax	Ross, Don R.	68

## YAKIMA COUNTY

<u>Product</u>	<u>Metallic Operation</u>	
Hg	Indian Creek Mercury Mines, Inc.	34

<u>Product</u>	<u>Nonmetallic Operations</u>	
Clay and clay products	Granger Clay Products Co.	44
Stone	Mount Adams Sheet Rock Quarry	47

YAKIMA COUNTY  
(continued)

<u>City</u>	<u>Sand and Gravel Operations</u>	<u>Page</u>
Grandview	Keller Sand & Gravel	62
"	Yakima Cement Products Co.	72
Granger	Thompson, John	70
Mabton	Sears, Philip	68
Parker	Tobin, Francis J.	70
Selah	Brandt, Joe	57
Sunnyside	Valley Ready Mix Concrete	71
Toppenish	Graham & Morris Construction Co.	60
"	Kerby, F. B., & Sons	62
Yakima	Superior Concrete Products	70
"	Valley Cement Co.	71
"	Yakima Cement Products Co.	72



## 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, NE $\frac{1}{4}$  sec. 15, (29-37E), which written in full would be northeast quarter of section 15, township 29 north, range 37 east Willamette meridian.

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
A. ANDERSON PROSPECT Grandview Mines Karl W. Jasper, Pres. 310-11 Radio Central Bldg. Spokane 4, Wash. Current development.	Pb, Zn	STEVENS COUNTY NE $\frac{1}{4}$ sec. 3, (39-41E)
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.	<u>Cu</u> , Zn, Au	OKANOGAN COUNTY Twisp district Sec. 36, (33-21E)
ALEXANDER MINING CO. Alexander J. Akishin 1230 E. 89th, Seattle 5, Wash. Current development at Three "S" Gulch property.	<u>Zn</u> , Pb	KING COUNTY Miller River district NW $\frac{1}{4}$ sec. 16, (25-11E)
AMERICAN SMELTING & REFINING CO. 600 Pacific National Life Bldg. Salt Lake City, Utah. P. A. Lewis, Supt. Box 69, Colville, Wash. 1,000-ton mill. Current production at Van Stone mine.	<u>Zn</u> , Pb	STEVENS COUNTY Northport district Sec. 33, (38-40E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
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.	<u>Zn, Pb,</u> <u>Ag</u>	PEND OREILLE COUNTY  Metaline district Sec. 14, 15, 22, 30, (39-43E)
BEAR CREEK MINES, INC. E. R. Gehrke, Jr. Box 308, Port Angeles, Wash. Current production.	Mn	CIALLAM COUNTY Sec. 24, (30-12W)
BIG CHIEF and CHLORIDE QUEEN GROUPS A. E. Tesdahl, lessee Colville, Wash. Current production.	<u>Pb, Ag</u>	STEVENS COUNTY Clugston Creek area Sec. 23, (36-39E)
BIG DOME MINING CO. Oscar Johnson, Pres. St. Charles Hotel 401 12th Ave. N. Seattle, Wash. Current development.	Cu	KITTITAS COUNTY Fortune Creek area Sec. 13, (23-14E) Sec. 17, (23-15E)
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)
BONANZA LEAD E. B. Gibbs Box 111, Colville, Wash.		
Bonanza mine Current production	<u>Pb, Ag</u>	STEVENS COUNTY Clugston Creek district Secs. 2, 11, (37-38E)
Coyote mine Current production	<u>Cu, Ag,</u> <u>Au</u>	STEVENS COUNTY Kettle Falls district Center sec. 17, (36-38E)
Young America mine Current production.	<u>Zn, Pb,</u> <u>Ag</u>	STEVENS COUNTY Bossburg district SW $\frac{1}{4}$ sec. 28, (38-38E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
BORDER LORD MINING CO. Ralph B. Lane, Pres. Stanley E. Sorenson, V.P.-Gen. Mgr. 111 Eastlake Ave. Seattle 9, Wash. Current development at:  Boundary mine.	W	OKANOGAN COUNTY  Wolframite Mountain Secs. 7, 18, (40-22E)
CASCADE MINING CO. DeWitt Barkell, Secy. 11704 Phinney Ave. Seattle, Wash. Current development at Aces Up mine.	Ag, Pb	KING COUNTY Miller River district Secs. 30, 31, (25-11E)
CHESAW MINE C. N. Bagwell Homer B. Splawn Suite 318, Larson Bldg. Yakima, Wash. Current development.	<u>Au</u> , Ag	OKANOGAN COUNTY Meyers Creek district Sec. 16, (40-30E)
CONSOLIDATED MINES & SMELTING CO., LTD. Hugh Brown, Pres. Keller, Wash. Current development.	Cu, Mo	FERRY COUNTY Keller district Sec. 5, (29-33E) Sec. 35, (30-33E)
CRESCENT MINES Mel Lewis K. E. Hopper Sam Marsh 1045 W. Spokane St. Seattle, Wash. Current production and stockpiling from:  Crescent mine  Littleton prospect.	Mn	CLALLAM COUNTY      Secs. 23, 24, (30-10W)  N $\frac{1}{2}$ sec. 20, (30-10W)
EAGLE PEAK COPPER MINING CO. R. H. Wheelock, Pres. Ashford, Wash. Current development.	<u>Cu</u> , Au	LEWIS COUNTY Mt. Rainier Park SW $\frac{1}{4}$ sec. 22, (15-8E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
EDNA MINE C. R. Carr, J. M. Carr, and F. B. Carr Valley, Wash. Current development.	Ag, Cu	STEVENS COUNTY Valley district SE $\frac{1}{4}$ sec. 9, (31-39E)
ELECTRIC POINT MINE Fred M. Viles, lessee Spokane, Wash. Subleasing to Farmer Mines Enterprises Oliver Harris Northport, Wash. Current production.	Pb	STEVENS COUNTY Gladstone Mountain SE $\frac{1}{4}$ sec. 18, (39-42E)
FLAG MOUNTAIN MINING CO., INC. Ellery B. Lamb, Pres. Rt. 2, Cle Elum, Wash. Current development.	Au	KITTITAS COUNTY Liberty district N $\frac{1}{2}$ sec. 1, (20-17E)
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)
GLADSTONE MINE A. G. Lotz Cedar Creek, Northport, Wash. Leasing mine from Gladstone Mountain Mining Co. Subleasing to Farmer Mines Enterprises Oliver Harris Northport, Wash. Current production.	Pb	STEVENS COUNTY Northport district Sec. 18, (39-42E)
GOLD BOND MINING CO. Frank Lilly, Pres. 300 Columbia Bldg. Spokane 4, Wash. Current development.	Au	CHELAN COUNTY Blewett district Culver Gulch and Nigger Creek
GOLD GULCH MINING CO. John A. Youngman, Pres. Coeur d'Alene, Idaho. Current development.	Au	CHELAN COUNTY Blewett district Culver Gulch

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
<b>GOLDEN ARROW</b> Walter Courlie, owner Twisp, Wash. E. H. Spafford 11 W. 29th Ave. Spokane 41, Wash. Current production.	<u>Au</u> , Ag, Pb	WHATCOM COUNTY Slate Creek district NE $\frac{1}{4}$ sec. 34, (38-17E)
<b>GOLDFIELD CONSOLIDATED MINES COMPANY, THE</b> Estey A. Julian, Vice Pres.-Gen. Mgr. 1 Montgomery St. San Francisco 4, Calif. T. Higginbotham, Resident Mgr. Al Quine, Mine Supt. Colville, Wash. 300-ton flotation mill.		
Deep Creek mine Current production.	<u>Zn</u> , Pb, Ag	STEVENS COUNTY Northport district Secs. 23, 24, (39-40E)
<b>GRANDVIEW MINES, INC.</b> Karl W. Jasper, Pres. 310 Radio Central Bldg. Spokane 4, Wash. Operating agreement with American Zinc, Lead & Smelting Co.		
<b>HARTBAUER PROJECT</b> Grandview Mines Karl W. Jasper, Pres. 310-11 Radio Central Bldg. Spokane 4, Wash. Current development.	Zn, Pb	STEVENS COUNTY NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 2, (39-41E)
<b>HELEN MINE</b> Mel Lewis and K. E. Hopper, lessees 1045 W. Spokane St. Seattle, Wash. Current production.	Mn	CLALLAM COUNTY Sec. 16, (30-12W)
<b>HOWE SOUND CO.</b> 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.	<u>Cu</u> , <u>Zn</u> , <u>Au</u> , Ag	CHELAN COUNTY Holden area Secs. 12, 13, (31-16E) Secs. 18, 19, (31-17E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
INDIAN CREEK MERCURY MINES, INC. Ray R. Whiting Milton T. Roumm 1711 Smith Tower Seattle 4, Wash. Current development.	Hg	YAKIMA COUNTY Indian Creek Sec. 11, (14-12E)
IOWA MINE Robert T. Curtiss Route 1, Box 156 Monroe, Wash. Lessee of Mint claim from Sultan Basin Mining Co. Current development.	<u>Cu</u> , Ag, Au	SNOHOMISH COUNTY Sultan Basin district Sec. 27, (29-10E)
JIM CREEK MINES, INC. Frank H. Mitchell, Mgr. E. 7119 Euclid Ave. Spokane 6, Wash. Current development and stockpiling.	<u>Pb</u> , <u>Zn</u> , Ag	PEND OREILLE COUNTY Smackout Pass district Secs. 9, 15, (38-42E)
JOHNSBURG MINING & MILLING CO. C. O. Davis and William Soren Rt. 6, Box 261, Mount Vernon, Wash. Current development and limited production.	Pb, Ag	SKAGIT COUNTY Cascade district Secs. 27, 34, (35-13E)
KELLY CAMP MINE Ole Aavestrud and C. J. Weller, owners Republic, Wash. Current development.	W	FERRY COUNTY Republic district E $\frac{1}{2}$ sec. 4, (38-32E)
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.	<u>Au</u> , Ag	FERRY COUNTY Republic district Secs. 22, 26, 27, (37-32E)
KROMONA MINES CORP. J. F. Krom, Pres. 721 Lloyd Bldg. Seattle 1, Wash. Current development and current production at Kromona mine.	<u>Cu</u> , Ag, Au, Mo, W	SNOHOMISH COUNTY Sultan district Sec. 13, (28-9E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
LA SOTA, F. P. AND JONES, E. P. Metaline Falls, Wash. Current development.	<u>Zn</u> , Pb	PEND OREILLE COUNTY Slate Creek district NW $\frac{1}{4}$ sec. 23, (40-44E)
LEAD KING MINE Elmer and John Godfrey Northport, Wash. Current production.	Pb	STEVENS COUNTY Gladstone Mountain SE $\frac{1}{4}$ sec. 12, (39-41E)
LITTLE KING TUNGSTEN MINE W. H. West, lessee Deer Park, Wash. Current development.	W	STEVENS COUNTY Blue Grouse Mountain SE $\frac{1}{4}$ sec. 16, (30-42E)
LONE STAR MINE Attwood Copper Mines, Ltd. Dr. Desmond F. Kidd, Pres. 844 W. Hastings St. Vancouver, B. C., Canada. Current development.	Cu	FERRY COUNTY Danville district NE $\frac{1}{4}$ sec. 11, SW $\frac{1}{4}$ sec. 1, (40-33E)
LOVITT MINING CO., INC. E. H. Lovitt, Pres. Box 1668, Wenatchee, Wash. Current production at Gold King mine.	<u>Au</u> , Ag	CHELAN COUNTY Squillchuck area Sec. 22, (22-20E)
MAKI, DOSSER, LOTZ GROUP Grandview Mines, lessee Karl W. Jasper, Pres. 310-11 Radio Central Bldg. Spokane 4, Wash. Current development.	<u>Zn</u> , Pb	STEVENS COUNTY Secs. 34, 35, (39-41E)
MINNIE MINE F. C. Blocksom Twisp, Wash. Current development.	Au, Ag	OKANOGAN COUNTY Twisp district E $\frac{1}{2}$ sec. 23, (32-22E)
NUGGET PROPERTIES, INC. Mike Liberato, Pres. John Panattoni, Treas. 1510 First Ave. Seattle 1, Wash. Current production.	Placer Au	KITTITAS COUNTY Swauk district Secs. 1, 2, (20-17E) Sec. 6, (20-18E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
OPHIR GROUP E. D. Mortenson Albert Eakel Keller, Wash. Current development.	<u>Au</u> , <u>Ag</u> , <u>Pb</u> , <u>Zn</u>	FERRY COUNTY Keller district NE $\frac{1}{4}$ sec. 30, (30-33E)
ORIOLE MINE Art Betchert and E. O. Dressel, Jr., lessees Metaline Falls, Wash. Current production.	<u>Zn</u> , <u>Pb</u> , <u>Ag</u> , <u>Au</u>	PEND OREILLE COUNTY Metaline district SE $\frac{1}{4}$ sec. 19, (39-43E)
PACIFIC NORTHWEST MINING CO. A. C. Neiman, Mgr. Northport, Wash. Leasing the Lucille mine and purchasing the Red Top mine  Lucille mine Current development  Red Top mine Current production.	<u>Pb</u> , <u>Zn</u> , <u>Ag</u> , <u>W</u>	STEVENS COUNTY Secs. 19, 30, (40-42E) Secs. 24, 25, (40-41E)  Sec. 30, (40-42E)  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. 1600-ton flotation mill. Current production from Pend Oreille mine.	<u>Zn</u> , <u>Pb</u> , <u>Ag</u>	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.	<u>Cu</u> , <u>Au</u> , <u>Ag</u>	CHELAN COUNTY Leavenworth district Sec. 9, (23-15E)
PIONEER MINING CO. D. A. Newland and associates Colville, Wash. Current production at Longshot mine.	<u>Pb</u> , <u>Zn</u> , <u>Ag</u> , <u>W</u>	STEVENS COUNTY Mill Creek district NW $\frac{1}{4}$ sec. 18, (36-41E)



<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
<b>ROCKY CREEK GROUP</b> Kaniksu Metals E. J. Cowan and M. F. Flanagan 1515 N. Anderson St. Tacoma, Wash. Current development.	<u>Pb</u> , Ag, <u>Au</u>	PEND OREILLE COUNTY SE $\frac{1}{4}$ sec. 23, (37-41E)
<b>SCANDIA MINING GROUP</b> Raleigh Hallenius, owner 1024 W. 13th Ave. Spokane 4, Wash. Theodore Nasburg, owner 32 E. 29th Ave. Spokane 35, Wash. Current development.	<u>Zn</u> , Pb	STEVENS COUNTY Northport district NE $\frac{1}{4}$ sec. 23, (39-40E)
<b>SILVER MOUNTAIN MINING CO., INC.</b> Arthur G. Nickelsen, Pres. 2403 S. Tacoma Way Tacoma 3, Wash. Current development.	<u>Ag</u> , Au, Pb, Zn	OKANOGAN COUNTY Tonasket area W $\frac{1}{2}$ sec. 34, (38-26E) NW $\frac{1}{4}$ sec. 3, (37-26E)
<b>SKAMANIA MINE</b> Leon P. Montchalin, owner Route 2, Washougal, Wash. Current development.	<u>Cu</u>	SKAMANIA COUNTY Washougal district SW $\frac{1}{4}$ sec. 21, (3-5E)
<b>SPOKANE PORTLAND CEMENT CO.</b> 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).	<u>Fe</u>	STEVENS COUNTY Orient district Sec. 3, (37-37E)
<b>STATE LEASE (BEAVER FALLS)</b> John C. Kruger Star Route 1, Box 32 Port Angeles, Wash. Current production.	<u>Mn</u>	CLALLAM COUNTY Sec. 16, (30-12W)
<b>SUNSET MINE</b> Index Mining Co. C. V. Brennan, Pres. 2430 Monte Vista Place Seattle 99, Wash. Current development.	<u>Cu</u> , Ag, <u>Au</u>	SNOHOMISH COUNTY Index district Sec. 1, (27-10E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
<p>TALISMAN MINING &amp; 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.</p>	<p><u>Cu</u>, <u>Zn</u>,  Ag, W</p>	<p>FERRY COUNTY  Orient district  Sec. 3, (40-36E)</p>
<p>TUNGSTEN MINING &amp; MILLING CO.  Paul H. Casey, Pres.  W. 2207 Riverside Ave.  Spokane 11, Wash.  Current production at  Germania mine.</p>	<p>W</p>	<p>STEVENS COUNTY  Deer Trail district  SW<math>\frac{1}{4}</math> sec. 13, (29-37E)</p>
<p>UNITED COPPER MINE  Chewelah Copper Co.  Gordon LaVigne, Pres.  Chewelah, Wash.  Current development.</p>	<p><u>Cu</u>, Ag</p>	<p>STEVENS COUNTY  Chewelah district  NW<math>\frac{1}{4}</math> sec. 32, (33-41E)</p>
<p>UNITED TREASURE MINE  W. D. Weaver, owner  W. 115 9th Avenue  Spokane 4, Wash.  Current production.</p>	<p>Ag, Pb</p>	<p>STEVENS COUNTY  Sec. 11, (40-42E)</p>
<p>WESTERN STATES COPPER CORP.  Charles Sisenvine, Pres.  5909 Phinney Ave.  Seattle 3, Wash.  Property leased from  M. F. Gilbreath  Seattle, Wash.  Current development and  limited production.</p>	<p><u>Cu</u>, Au,  Ag</p>	<p>KING COUNTY  Taylor River district  Sec. 16, (24-10E)</p>
<p>YELLOW JACKET and HO HO CLAIMS  Hugh Ringquist  526 Evergreen Highway  Camas, Wash.  Current development.</p>	<p>Cu</p>	<p>SKAMANIA COUNTY  Washougal district  NE<math>\frac{1}{4}</math> sec. 21, (3-5E)</p>

## NONMETALLIC MINING OPERATIONS

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
ABRAHAMSON BRICK CO. G. C. Anderson, Mgr. 5000 W. Marginal Way Seattle, 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	SE $\frac{1}{4}$ NE $\frac{1}{4}$ 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
B & K MINE C. W. Bunney Box 323 Entiat, Wash. Current production.	Pumice	CHELAN COUNTY Entiat district NW $\frac{1}{4}$ sec. 24, (27-19E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
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 N. 205th and Aurora Ave. Edmonds, Wash. Current production.	Peat	SNOHOMISH COUNTY Kenmore area SW $\frac{1}{4}$ 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
BLACK PRINCE COAL CO. George Parkins Box 324, Route 2 Centralia, Wash. Current production.	Coal	LEWIS COUNTY Centralia area S $\frac{1}{2}$ sec. 28, (15-1W)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
BOW LAKE FARMS Frank Colacurcio and associates 3540 S. 188th St. Seattle, Wash. Current production.	Peat	KING COUNTY Bow Lake NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 34, (23-4E)
BOW LAKE HUMUS CO. T. and F. Boysen 18118 Pacific Highway South Seattle 88, Wash. Current production.	Peat	KING COUNTY Bow Lake area NE $\frac{1}{4}$ sec. 33, (23-4E)
BROWN, N. W. L. P. O. Box 1 Riverside, 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 and Charlestown Sts.
Clay City pit.	Clay	PIERCE COUNTY S $\frac{1}{2}$ sec. 25, (17-4E)
CAMPBELL, ROLAND P. Mountain Lake Peat Moss 759 Mill St. Okanogan, Wash. Current production.	Peat	OKANOGAN COUNTY Buzzard Lake NW $\frac{1}{4}$ sec. 35, (34-25E)
CARBONADO COAL CO. T. A. Basselli, Supt. Carbonado, Wash. Current production.	Coal	PIERCE COUNTY Wilkeson area NW $\frac{1}{4}$ sec. 4, (18-6E)
CARLSON, ERIC E. Rt. 1, Box 1961 Redmond, Wash. Current production.	Peat	KING COUNTY Near Redmond Sec. 3, (25-6E)
CAVANAUGH MOULDING SAND CO. Milton B. Cavanaugh Kennydale, Wash. Current production.	Molding sand, daubing clay	KING COUNTY Cedar Mountain area NE $\frac{1}{4}$ sec. 30, (23-6E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
CHEHALIS BRICK & TILE CO. F. G. Burrows, Mgr. M. D. Saindon, Sales Mgr. Box 868 Chehalis, Wash. Current production.	Brick, tile	LEWIS COUNTY At Chehalis W $\frac{1}{2}$ sec. 29, (14-2W)
COLUMBIA RIVER LIME CO. Sam Gregson and John Herb, lessees 1222 S.E. McLoughlin Blvd. Milwaukie, Oreg. Current production.	Limestone	PACIFIC COUNTY NW $\frac{1}{4}$ sec. 27, (10-10W)
DRAGHI, LOUIS Box 366 Black Diamond, Wash. Current production.	Coal	KING COUNTY Black Diamond district SE $\frac{1}{4}$ 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 NW $\frac{1}{4}$ sec. 2, (36-2W)
FEDERAL WAY HUMUS CO. E. G. Schwieger P. O. Box 965 Auburn, Wash. Current production.	Peat	KING COUNTY Federal Way area NE $\frac{1}{4}$ sec. 8, (21-4E)
FIRCREST PEAT CO. Lora D. LeBlanc, owner Box 921 Olympia, Wash. Current production.	Peat	THURSTON COUNTY SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 32, (19-1W)
FITZGERALD, M. A. (MRS.) 1214 W. Sprague Ave. Spokane 1, Wash. Intermittent production.	Clay	STEVENS COUNTY Near Bossburg NE $\frac{1}{4}$ sec. 15, (38-38E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
FULLER SOILS H. R. Fuller 17002 Meridian Ave. Seattle, Wash. Current production.	Peat	KING COUNTY North Seattle Pit at same address
GARLAND MINERAL SPRINGS Rev. Cameron A. Sharp, director Index, Wash. Current production.	Mineral water	SNOHOMISH COUNTY Index area Sec. 25, (28-11E)
GAS-ICE CORP. 200A Medical Arts Bldg. Seattle, Wash. R. B. Newbern, Pres. 1405 N.W. 20th Ave. Portland 9, Oreg. J. E. Newbern, Plant Mgr. Klickitat, Wash. Current production.	Carbon dioxide ("dry ice")	Klickitat COUNTY Near Klickitat Secs. 19, 23, 24, (4-14E)
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 NW $\frac{1}{4}$ sec. 33, (24-6E)
Newcastle clay pit	Clay	Newcastle area SW $\frac{1}{4}$ sec. 27, (24-5E)
Palmer pit	Clay	Palmer area Sec. 14, (21-7E)
Renton pit	Clay	At Renton
Mica pit.	Clay	SPOKANE COUNTY At Mica Sec. 23, (24-44E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
GOSHEN COAL CO. Clifford Needham and Elmer Pike, owners Route 3, Box 492 Bellingham, Wash. Current development.	Coal	WHATCOM COUNTY Goshen district SW $\frac{1}{4}$ NW $\frac{1}{4}$ 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 SW $\frac{1}{4}$ 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)
HIDDEN BRICK CO. R. A. Hidden, Mgr. 2610 Kauffman Ave. Vancouver, Wash. Current production.	Brick	CLARK COUNTY Pit at same address
HORD, R. S. Rt. 3, Box R-56 Auburn, Wash. Limited production.	Peat	KING COUNTY Dolloff Lake area NW $\frac{1}{4}$ sec. 10, (21-4E)
JANNI, PETER, & SONS Peter Janni Northport, Wash. Current production.	Limestone, marble chips, stucco dash, marble roofing	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)



<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
KEENE & SON Roy C. Keene Medical Lake, Wash. Current production from Morris quarry.	Monumental and architectural granite	SPOKANE COUNTY Near Medical Lake SE $\frac{1}{4}$ sec. 8, (24-41E)
KITTITAS DIATOMITE CO. John Sorenson Box 144 Ellensburg, Wash. Leasing to Western Ventures Ltd. W. Randolph Green, Vice Pres.-Treas. 3414 W. Euclid Ave. Spokane, 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.	Gypsite, epsom salts	OKANOGAN COUNTY Tonasket area SE $\frac{1}{4}$ 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 NE $\frac{1}{4}$ sec. 27, (39-43E)
LITCHFIELD, A. B. Rt. 1, Box 41 Orting, Wash. Limited production.	Flagstone (sandstone)	PIERCE COUNTY Orting area NW $\frac{1}{4}$ 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)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
MANUFACTURERS MINERAL CO. (Mineral Products Corp.) Geo. H. Waterman, Pres. P. O. Box 3144 1107 W. Idaho St. Seattle 14, 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, filter sand, blast sand	STEVENS COUNTY Near Chewelah Sec. 28, (32-40E)
Madsen pit	Barite	STEVENS COUNTY Addy district E $\frac{1}{2}$ NE $\frac{1}{4}$ sec. 27 and W $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 26, (34-38E)
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 SE $\frac{1}{4}$ 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 SE $\frac{1}{4}$ sec. 16, (27-9E)
MITCHELL BAY LIME CO. Gordon Clauson 1920 Milford Way Seattle, Wash. Current production.	Limestone	WHATCOM COUNTY Near Maple Falls Sec. 19, (40-6E)
MOFFETT'S HOT SPRINGS North Bonneville, Wash. Current production.	Mineral water	SKAMANIA COUNTY Near North Bonneville SW $\frac{1}{4}$ sec. 15, (2-7E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
MONARCH COAL PROCESSING CO. F. E. Siemens Rt. 1, Box 521 Centralia, Wash. Current production.	Coal	THURSTON COUNTY Tono area SW $\frac{1}{4}$ sec. 21, (15-1W)
MORCROP LIME CO. Frank Flatt, Supt. Rt. 3, Arlington, Wash. Current production.	Limestone	SNOHOMISH COUNTY NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 2, (31-6E)
MORRISON, HARRY A. Route 1 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 SW $\frac{1}{4}$ 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 SE $\frac{1}{4}$ 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 SE $\frac{1}{4}$ 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)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
NORTHWEST TALC & MAGNESIUM CO. Nels F. Jensen, Mgr. P. O. Box 324 Clearlake, Wash. Current production.	Talc, soapstone	SKAGIT COUNTY Clear Lake area Sec. 17, (34-5E)
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)
OHANAPECOSH HOT SPRINGS Martin Kilian, Mgr. Packwood, Wash. Current production.	Mineral water	LEWIS COUNTY Mount Rainier area SW $\frac{1}{4}$ sec. 4, (14-10E)
OLYMPIC HOT SPRINGS Harry Schoeffel, Mgr. Port Angeles, Wash. Current production.	Mineral water	CLALLAM COUNTY Elwha area NW $\frac{1}{4}$ sec. 28, (29-8W)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
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 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)
No. 10 Franklin mine		Franklin area Sec. 5, (19-3E)
No. 12 Franklin mine and strip operation.		Franklin area Sec. 18, (21-7E)
PAPE, J. L., AND ASSOCIATES R. F. D., Rockport, Wash. Current production.	Soapstone	SKAGIT COUNTY Secs. 21, 22, (35-12E)
PIRELLLO BROS. E. 15110 36th Ave. Veradale, Wash. Current production from Tiano clay pit.	Clay	SPOKANE COUNTY 2 mi. east of Chester SE $\frac{1}{4}$ sec. 35, (25-44E)
PLANT FOOD CO. 2303 N. 175th St. Seattle, Wash. Current production.	Peat	KING COUNTY North Seattle Pit at same address

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
<p>PUGET SOUND BRIDGE &amp; 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 &amp; Dredging Co. under  Sand &amp; Gravel Operations).</p>	Rockery rock	<p>KING COUNTY  Lot 7, Riverside  Interurban tract  Sec. 9, (23-4E)</p>
<p>QUINCY CORP.  C. A. Frankenhoff, Pres.  A. G. Frankenhoff, Vice Pres.  Harwood Bldg.  Scarsdale, N. Y.  J. S. Crandall, Plant Mgr.  P. O. Box 1001, Quincy, Wash.  Current production.</p>	Diatomite	<p>GRANT COUNTY  South of Quincy  Secs. 17, 20, (18-23E)</p>
<p>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.</p>	Beryl	<p>STEVENS COUNTY  Sec. 33, (34-42E)</p>
<p>RAINIER PUMICE CO.  Way Scarff  501 Auburn Ave.  Auburn, Wash.</p>		
<p>Pumicite pit  Intermittent production.</p>	Pumicite	<p>SKAGIT COUNTY  Skagit River area  Sec. 11, (36-11E)</p>
<p>RED ROCK QUARRY  Aksel Sorensen, lessee  4051 N.E. Columbia Blvd.  Portland 11, Oreg.  Current production.</p>	Ornamental stone	<p>CLARK COUNTY  Camas area  Secs. 8, 9, (1-3E)</p>
<p>ROCHE HARBOR LIME &amp; CEMENT CO.  Paul H. McMillin, Pres.  J. C. Hassel, Supt.  Roche Harbor, Wash.  Current production at  Roche Harbor quarry.</p>	Lime, limestone	<p>SAN JUAN COUNTY  Roche Harbor  Sec. 17, (36-4W)</p>

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
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.	Mineral water	SKAMANIA COUNTY Near Carson SE $\frac{1}{4}$ sec. 21, (3-8E)
SCHEEL, H. P. Route 1 Burlington, Wash.  Current development of:	Olivine, foundry sand, blast sand	SKAGIT COUNTY Sec. 16, (36-7E)
Limited production of:	Talc, soapstone	SKAGIT COUNTY Sec. 15, (36-11E)
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 NW $\frac{1}{4}$ sec. 7, (23-6E)
SHARP, J. ARNOLD Route 11, Box 652 Olympia, Wash. Current production.	Peat	THURSTON COUNTY SE $\frac{1}{4}$ sec. 20, (18-2W)
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)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
SOAP LAKE Several resorts, sanitariums, and hotels operating.	Mineral water containing sodium salts, principally carbonates	GRANT COUNTY Secs. 12, 13, 24, (22-26E) Secs. 18, 19, (22-27E)
SOL DUC HOT SPRINGS Clive Abel Lee Hotel Port Angeles, Wash. Current production.	Mineral water	CLALLAM COUNTY Lake Crescent area NW $\frac{1}{4}$ sec. 32, (29-9W)
SOMMER, A. M. E. 15403 32nd Ave. Veradale, Wash. Current production from Vera pit.	Clay	SPOKANE COUNTY Near Chester NE $\frac{1}{4}$ sec. 35, (25-44E)
SORLIE, ARNE Lakeside, Wash. Current production.	Pumice	CHELAN COUNTY Near Twentyfive Mile Creek Sec. 9, (28-21E)
SPOKANE PORTLAND CEMENT CO. G. M. Bell, Pres. 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)
STILLWELL, J. B. 3220 Airport Way Seattle, Wash. Intermittent 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)



<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
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	Limestone	SKAGIT COUNTY
Concrete pit	Clay	Sec. 2, (35-8E)
Seattle pit	Clay	KING COUNTY SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 30, (24-4E)
Sentinel Mountain pit.	Pumicite	GRANT COUNTY SW $\frac{1}{4}$ sec. 23, (15-24E)
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. 36, (22-6E) Sec. 1, (21-6E)
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)
WASHINGTON BRICK & LIME CO. Neal R. Fosseen, Pres. Box 2198 Spokane 10, 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)
Mica pit	Clay	SPOKANE COUNTY Mica area SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 23, (24-44E)

(continued on following page)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
WASHINGTON BRICK & LIME CO. (continued from preceding page)		
Olson pit	Clay	SPOKANE COUNTY Clayton area NW $\frac{1}{4}$ sec. 4, (29-42E)
A. B. pit	Clay	STEVENS COUNTY Near Clayton NW $\frac{1}{4}$ sec. 32, (30-42E)
Clayton pit.	Clay	STEVENS COUNTY At Clayton Sec. 19, (29-42E)
WASHINGTON NATURAL PRODUCTS CO. R. J. Catlow, Dir. and Vice Pres. 2507 Miller St. Seattle 2, Wash. Processing plant at Riverside. Intermittent production from Booher pit.	Marl	OKANOGAN COUNTY Riverside area Sec. 3, (35-26E)
WASHINGTON NONMETALLICS, INC. Gordon LaVigne, Vice Pres. P. O. Box 22 Chewelah, Wash. Lease and own various properties in Chewelah area. Current production.	Terrazzo chips	STEVENS COUNTY Chewelah district
WASHINGTON POTTERY CO. T. R. Harris 809 Snoqualmie St. Seattle 8, Wash. Current production.	Pottery	KING COUNTY At Seattle 9th and Lane Sts.
WATERMANN-SYMMINGTON SLATE CO. 4535 Union Bay Place Seattle 5, Wash. Current development.	Slate	STEVENS COUNTY Waits Lake N $\frac{1}{2}$ 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 Sts.

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
WILDE CO. Geo. H. Wilde, Rt. 4, Box 600 Geo. H. Wilde, Jr. Rt. 4, Box 615 Vancouver, Wash. Current production.	Molding sand, brick	CLARK COUNTY N.E. of Vancouver SE $\frac{1}{4}$ sec. 7, (2-2E)
WILKESON-WENATCHEE STONE CO. P. O. Box 1666 Wenatchee, Wash. Myron S. Huckle, lessee 6856 54th N.E. Seattle, Wash. Current production.	Building stone, (sandstone)	CHELAN COUNTY Dry Gulch Sec. 21, (22-20E)
WILSON TALC CO. Harry McNeal Box 807, Wenatchee, Wash. Current production.	Talc, soapstone	SKAGIT COUNTY Skagit River area Sec. 21, (36-11E)
WOGSLAND, C. G. Route 2, Box 2076 Auburn, Wash. Current production.	Peat	KING COUNTY Auburn area Corner of Military Road and 304th

## SAND AND GRAVEL OPERATIONS

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
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 one pit.	Sand, gravel	SPOKANE COUNTY Washington & Cora Sts., 1500 E. Francis & Maple Sts., Spokane
ARLINGTON SAND & GRAVEL CO. V. M. Lee, Secy.-Treas. Box 38, Arlington, Wash. Current production.	Sand, gravel, crushed rock, crusher dust	SNOHOMISH COUNTY Near Arlington Sec. 2, (31-5E)
ASCHE & POWERS C. C. Asche and J. J. Powers, owners 5801 E. 1st Place Vancouver, Wash. Current production.	Gravel	CLARK COUNTY NW $\frac{1}{4}$ sec. 11, (2-1E)
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 E $\frac{1}{2}$ sec. 1, (28-4E)
B-D SAND & GRAVEL CO. 2331 General Anderson Rd. Earl E. Woodruff, owner Box 178, Vancouver, Wash. Current production.	Sand	CLARK COUNTY. On W. River road SE $\frac{1}{4}$ sec. 20, (2-1E)
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)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
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 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)
BREWSTER RED-E-MIX CONCRETE CO. V. B. Godbey, owner Brewster, Wash. Current production.	Sand, gravel	OKANOGAN COUNTY Brewster area NW¼ sec. 23, (30-24E)
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)
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)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
CAMAS SAND & GRAVEL CO. Max Schmid, owner 345 Wheeler St. Camas, Wash. Current production.	Sand, gravel	CLARK COUNTY NW $\frac{1}{4}$ sec. 24, (1-4E)
CARBON BROS. Pete and Carl Carbon N. 3430 Cook St. Spokane, Wash. Current production.	Crushed basalt	SPOKANE COUNTY Spokane area NE. corner of Geiger Field.
CHELAN CONCRETE CO. Martin T. Petersen Chelan, Wash. Current production.	Sand, gravel	CHELAN COUNTY Chelan area SW $\frac{1}{4}$ 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 SW $\frac{1}{4}$ sec. 19, (18-5W)
COLUMBIA CONCRETE PIPE CO. J. R. Sherman, Pres. A. B. Metcalf, Mgr. Foot of 9th St. Box 427, Wenatchee, Wash. Current production from:		
Columbia pit	Sand, gravel, crushed stone	CHELAN COUNTY NW $\frac{1}{4}$ sec. 22, (23-20E)
Okanogan pit.	Sand, gravel, crushed stone	OKANOGAN COUNTY SE $\frac{1}{4}$ sec. 4, (34-26E)
COLUMBIA SAND & GRAVEL Frayne L. McAtee, Pres. M. E. Nelson, Vice Pres.-Mgr. Box 1166, Moses Lake, Wash. Current production.	Sand, gravel, crushed rock	GRANT COUNTY Moses Lake area Sec. 5, (19-28E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
COLVILLE VALLEY CONCRETE CO. James R. Dietz and Shelly Boehm, owners 721 S. Pine St. Colville, Wash. Current production.	Sand, gravel	STEVENS COUNTY SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 10, (35-39E)
CONNELL SAND & GRAVEL Andrew Biorn Box 817, Connell, Wash. Intermittent production.	Sand, gravel	FRANKLIN COUNTY SE $\frac{1}{4}$ sec. 6, (13-33E)
CORLISS, TIM, & SON Rt. 1, Box 139 Summer, Wash. Current production.	Sand, gravel	PIERCE COUNTY Summer area SW $\frac{1}{4}$ 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
DAVIS, WILLIAM E. Castle Rock, Wash. Current production.	Sand, gravel	COWLITZ COUNTY Castle Rock area, Cowlitz River
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)
FAIRFIELD, L. D., CONSTRUCTION CO. 6604 Highway 99, Everett, Wash. Current production.	Sand, gravel	SNOHOMISH COUNTY Everett area Amanda pit

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

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
GENERAL CONSTRUCTION CO. A. B. McEachern, Pres. 3840 Iowa Ave. P. O. Box 3328 Seattle 14, Wash. Current production from Mats Mats quarry.	Crushed stone, riprap	JEFFERSON COUNTY Port Ludlow area Lots 5, 6, 7, 8, Sec. 33, (29-1E)
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)
GOODMAN, KERMIT Grant and Race Sts. Port Angeles, Wash. Current production.	Sand, gravel	CLALLAM COUNTY Morse Creek NW $\frac{1}{4}$ sec. 8, (30-5W)
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 NW $\frac{1}{4}$ sec. 2, (17-8W)  Aberdeen area SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16, (17-9W)
HAMMOND, A. W. 1116 Water St. South Bend, Wash. Intermittent production.	Crushed stone, riprap	PACIFIC COUNTY South Bend area SE $\frac{1}{4}$ sec. 22, (14-9W)  GRAYS HARBOR COUNTY Hoquiam NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 7, (17-9W)



<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
HANSON, ART, SAND CO. Art Hanson, owner E. 1115 Francis Ave. Spokane 23, 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 NE $\frac{1}{4}$ sec. 1, (19-2E)
HILL TOP GRAVEL CO. V. B. Greeley, owner 2102 19th Ave. S.E. Puyallup, Wash. Current production.	Sand, gravel, crushed gravel	PIERCE COUNTY Puyallup area SW $\frac{1}{4}$ sec. 35, (20-4E)
HOLMES 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 NW $\frac{1}{4}$ sec. 11, (19-28E)
HOLROYD CO. J. A. Holroyd 5047 S. Washington St. Tacoma 9, Wash. Current production.	Sand, gravel	PIERCE COUNTY Pit at 74th and Orchard Grove, South Tacoma
HOWARD, ORVAL Castle Rock, Wash. Current production.	Sand, gravel	COWLITZ COUNTY Castle Rock area Sec. 2, (9-2W)
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

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
ISSAQUAH SAND & GRAVEL Irving E. Tibbets Rt. 1, Box 275 Issaquah, Wash. Current production.	Sand, gravel	KING COUNTY Issaquah area SE $\frac{1}{4}$ sec. 21, (24-6E)
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 SW $\frac{1}{4}$ SE $\frac{1}{4}$ 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 NE $\frac{1}{4}$ sec. 19, (2-1E)
KANE BROS. CONCRETE PRODUCTS, INC. A. E. Kane, Pres. P. O. Box 1296 Wenatchee, Wash. Current production.	Sand, gravel	CHELAN COUNTY Cashmere area SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 6, (23-19E)
KELLER SAND & GRAVEL C. E. Keller, owner Rt. 2, Grandview, Wash. Intermittent production.	Sand, gravel, crushed stone	YAKIMA COUNTY Sec. 35, (9-23E)
KERBY & SONS Rt. 2, Box 133 Toppenish, Wash. Current production.	Sand, gravel	YAKIMA COUNTY Sec. 35, (11-20E)
KIRKLAND SAND & GRAVEL CO. Lyle Stubenrauch and D. O. Smith, owners Box 714, Kirkland, Wash. Current production.	Sand, gravel	KING COUNTY At Kirkland NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, (26-5E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
KLINELINE SAND & GRAVEL L. N. Berry, Mgr. 4104 Grant Vancouver, Wash. Current production.	Sand, gravel, crushed gravel	CLARK COUNTY Salmon Creek area SW $\frac{1}{4}$ sec. 26, (3-1E)
KLINKER SAND & GRAVEL CO. Charles R. Hartman, Secy.-Treas. 6500 W. Marginal Way Seattle 6, Wash. Current production.	Sand, gravel	KING COUNTY Lot 3, Block 1, Melville Barth Addition, Seattle
LAKE CITY GRAVEL & MATERIALS, INC. 10728 Bothell Way 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 NW $\frac{1}{4}$ SE $\frac{1}{4}$ 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. Box 206, Kennewick, Wash. Current production.	Sand, gravel	BENTON COUNTY Kennewick area NW $\frac{1}{4}$ 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 SE $\frac{1}{4}$ sec. 28, (11-46E)
Silcott pit.	Gravel	Silcott area Sec. 20, (11-45E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
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. 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)
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 SE $\frac{1}{4}$ sec. 34, (11-9W)
MARTIN SAND & GRAVEL CO. P. O. Box 325 Centralia, Wash. Current production.	Sand, gravel, crushed rock	LEWIS COUNTY Waunchs Prairie 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 17, Wash. Current production.	Sand	SPOKANE COUNTY Pit at Cedar and Francis Sts., Spokane
MATHESON SAND & GRAVEL CO. Harold W. Matheson, owner Box 167, Pasco, Wash. Current production.	Sand, gravel	BENTON COUNTY Near Kennewick Sec. 6, (8-30E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
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 NW $\frac{1}{4}$ sec. 29, (21-5E)
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 NE $\frac{1}{4}$ sec. 19, (21-5E)
MONROE SAND & GRAVEL CO. C. H. Beavers, Mgr. 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 NW $\frac{1}{4}$ sec. 34, (34-4E)
MULKA GRAVEL CO. Victor Mulka 805 12th St. Bellingham, Wash. Current production.	Sand, gravel	WHATCOM COUNTY Bellingham area

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
MUTUAL MATERIALS CO. J. B. Sunderland, Pres.-Mgr. 1200 8th Ave. S. Seattle 4, Wash. Current production.	Sand, gravel, sand-lime brick	KING COUNTY South Park area SE $\frac{1}{4}$ sec. 31, (24-4E)
NICKOLS, DEE, & SONS Box 67, Soap Lake, Wash. Current production.	Sand, gravel	GRANT COUNTY Near Moses Lake
NORDLUND, BOB 506 Warren St. Mount Vernon, Wash. Limited 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, V. P.-Mgr. 101 E. First St. Vancouver, Wash. Current production.	Sand, gravel	CLARK COUNTY Foot of Main St., Vancouver Sec. 27, (2-1E)
PACIFIC SAND & GRAVEL CO. R. P. Coluccio, Pres. Box 628, Centralia, Wash. Current production.	Sand, gravel, crushed stone	LEWIS COUNTY Blakeslee Junction Sec. 31, (15-2W)
PENINSULA READY MIX CONCRETE, INC. L. J. Ferguson, Mgr. P. O. Box 750 Bremerton, Wash. Current production.	Sand, gravel	KITSAP COUNTY Bremerton area NW $\frac{1}{4}$ sec. 28, (24-1E)
PETERSON, ROBERT, CONSTRUCTION CO. Manzanita, Port Blakely, Wash. Current production.	Sand, gravel	KITSAP COUNTY Bainbridge Island NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 9, (25-2E)
PIONEER SAND & GRAVEL CO. Gordon N. Scott, Pres. 901 Fairview Ave. N. P. O. Box 1881 Seattle, Wash. George D. Christensen, Gen. Supt. P. O. Box 158 South Tacoma 9, Wash. Current production.	Sand, gravel, crushed gravel	PIERCE COUNTY Steilacoom area Secs. 20, 29, (20-2E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
POE'S SAND & GRAVEL Box 228 Clarkston, Wash. Current production.	Sand, gravel	ASOTIN COUNTY 16th and Chestnut, Clarkston NW $\frac{1}{4}$ sec. 29, (11-46E)
PORTLAND GRAVEL CO. 6917 N.W. Marine Dr. Portland 13, 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)
PRYOR, W. S. Star Route Coulee Dam, 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 SE $\frac{1}{4}$ 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, (asphalt)	CLALLAM COUNTY Morse Creek NW $\frac{1}{4}$ sec. 8, (30-5W)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
RATHBUN, AL Rt. 1, Usk, Wash. Current production.	Sand, gravel	PEND OREILLE COUNTY Usk 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)
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 SW $\frac{1}{4}$ sec. 15, (2-7E)
ROMERO BROS. Newport, Wash. Current production.	Sand, gravel	PEND OREILLE COUNTY SE $\frac{1}{4}$ sec. 13, (31-45E)
ROSS, DON R. Colfax, Wash. Current production.	Sand, gravel	WHITMAN COUNTY Colfax area Center sec. 10, (16-43E)
ST. AUBIN, ERNEST Rt. 5, Box 491 Everett, Wash. Current production.	Sand, gravel	SNOHOMISH COUNTY NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 11, (29-5E)
SCHRIER, R. D. Twisp, Wash. Current production.	Sand, gravel	OKANOGAN COUNTY Twisp district NE $\frac{1}{4}$ sec. 7, (33-22E)
SCRUPPS, J. E. Odessa, Wash. Current production.	Sand, gravel	LINCOLN COUNTY Odessa area
SEARS, PHILIP Rt. 1, Box 84 Mabton, Wash. Intermittent production.	Sand	YAKIMA COUNTY Near Mabton Sec. 13, (9-22E)
SEQUIM GRAVEL CO. A. M. Sether, owner 204 S. Albert St. Port Angeles, Wash. Current production.	Sand, gravel	CLALLAM COUNTY SW $\frac{1}{4}$ sec. 8, (30-3W)



<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
SKAGIT GRAVEL CO. Cris Vike, owner Route 4, Box 272 Mount Vernon, Wash. Current production.	Sand	SKAGIT COUNTY Near Mount Vernon Riverside pit
SMITH, LESLIE and CALVIN Battle Ground, Wash. Current production.	Sand	CLARK COUNTY Battle Ground area SW $\frac{1}{4}$ sec. 10, (2-2E)
SMITHROCK QUARRY, INC. Howard E. Smith, Pres.-Gen. Mgr. 3801 Fourth Plain Ave. Box 96 Vancouver, Wash. Current production.	Crushed rock, riprap, jetty rock	CLARK COUNTY Near Fisher Sec. 7, (1-3E)
SNOHOMISH SAND & GRAVEL Arthur F., Jack E., and Donald A. Stobb 4th and Cypress Sts. Snohomish, Wash. Current production.	Sand, gravel	SNOHOMISH COUNTY Pit at same address
SOUTH KITSAP GRAVEL CO., THE Donald Visell and Ralph Kingsbury, owners Rt. 2, Box 478 Port Orchard, Wash. Current production.	Sand, gravel	KITSAP COUNTY Horseshoe Lake area NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, (22-1E)
SPOKANE SAND & GRAVEL CO. 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. Box 894, Longview, Wash. Current production.	Crushed rock	COWLITZ COUNTY Quarry near Longview
STONEWAY DOCK CO. G. E. Hardenbergh, Pres.-Gen. Mgr. L. J. Dowell, Vice Pres.-Treas. Box 509, Renton, Wash. Current production.	Sand, gravel	KING COUNTY Renton pit Sec. 17, (23-5E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
SUBURBAN SAND & GRAVEL CO., 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
SUTTER, LOUIS R.F.D. 1, Box 4491 Issaquah, Wash. Current production.	Gravel	KING COUNTY Issaquah area SE $\frac{1}{4}$ sec. 21, (24-6E)
SWANO EXCAVATING CO. South end of Lewis St. Box 432, Aberdeen, Wash. Current production.	Sand, gravel	GRAYS HARBOR COUNTY Aberdeen area SW $\frac{1}{4}$ sec. 15, (17-9W)
TAYLOR, JESSE Charles E. Blake, lessee Rt. 2, Sequim, Wash. Current production.	Sand, gravel	CLALLAM COUNTY SW $\frac{1}{4}$ sec. 5, (30-3W)
TEEL BROS. CONTRACTORS Rt. 2, Box 899-B Bremerton, Wash. Current production.	Sand, gravel	KITSAP COUNTY Bremerton area NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7, (23-1E)
THOMPSON, JOHN Rt. 1, River Bend Farm Granger, Wash. Intermittent production.	Sand, gravel	YAKIMA COUNTY Granger area Sec. 17, (10-21E)
TOBIN, FRANCIS J. 3201 Lincoln Rd. Yakima, Wash. Current production.	Sand, gravel	YAKIMA COUNTY Parker area E $\frac{1}{2}$ sec. 20, (12-19E)
TOUGAW & OLSON E. R. Olson, Pres. S. O. Tougaw, Secy. Robert Olson, Treas. 1501 Wells, (Box 247) Enumclaw, Wash. Current production.	Sand, gravel	KING COUNTY Enumclaw area Sec. 29, (20-7E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
TWIN CITY SAND & GRAVEL CO. Arthur B. Plummer, Pres.-Mgr. Box 8, Centralia, Wash. Current production.	Sand, gravel, crushed gravel	LEWIS COUNTY Plummer Lake area NE $\frac{1}{4}$ sec. 7, (14-2W)
UNION SAND & GRAVEL CO. W. M. Murphy, John Murphy, and H. D. Sullivan, partners 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 SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 6, (13-19E)
VALLEY READY MIX CONCRETE L. R. Drollinger, owner 717 11th 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. Lyle Weston, Pres. Box 603 4th and Ainsworth Sts. Pasco, Wash. Current production.	Sand, gravel	FRANKLIN COUNTY 4th and Ainsworth Sts. Pasco
WHATCOM BUILDERS SUPPLY CO. Thomas Nash, owner Rt. 1, Ferndale, Wash. Current production.	Sand, gravel	WHATCOM COUNTY Lynden area SE $\frac{1}{4}$ sec. 22, (40-2E)

<u>NAME OF OPERATION</u>	<u>PRODUCT</u>	<u>PROPERTY LOCATION</u>
WILLAPA HARBOR QUARRIES, INC. 819 Ocean Ave. Raymond, Wash. Current production.	Crushed rock	PACIFIC COUNTY South Bend area SE $\frac{1}{4}$ sec. 21, (14-9W)
WINTERS, DALE Elma, Wash. Current production.	Sand, gravel	GRAYS HARBOR COUNTY Elma area SW $\frac{1}{4}$ sec. 28, (18-6W)
WOODLAND SAND & GRAVEL Harry Taylor, owner Box 1002, Woodland, Wash. Current production.	Sand, gravel	COWLITZ COUNTY Woodland area Sec. 10, (5-1E)
YAKIMA CEMENT PRODUCTS CO. J. R. Sherman, Pres.-Gen. Mgr. P. O. Box 436 1202 S. First St. Yakima, Wash. Current production from:		
Grandview pit	Sand, gravel	YAKIMA COUNTY NW $\frac{1}{4}$ sec. 34, (9-23E)
Yakima pit.	Sand, gravel, crushed gravel	Sec. 31, (13-19E)

# SOME RECENT PUBLICATIONS OF THE DIVISION OF MINES AND GEOLOGY

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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. 16 - Origin and occurrence of gem stones in Washington, by Sheldon L. Glover. 1949. 32 pp. 25¢.

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¢.

Division of Mines and Geology Information Circular No. 21 - 1953 Directory of Washington mining operations, by C. Phillips Purdy, Jr. 1953. 81 pp. Free.

Division of Mines and Geology Information Circular No. 22 - Introduction to Washington geology and resources, by Charles D. Campbell. 1953. 42 pp. 5 pls. Free.

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

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