



Ministry of Energy, Mines and Petroleum Resources  
Mineral Resources Division  
Geological Survey Branch



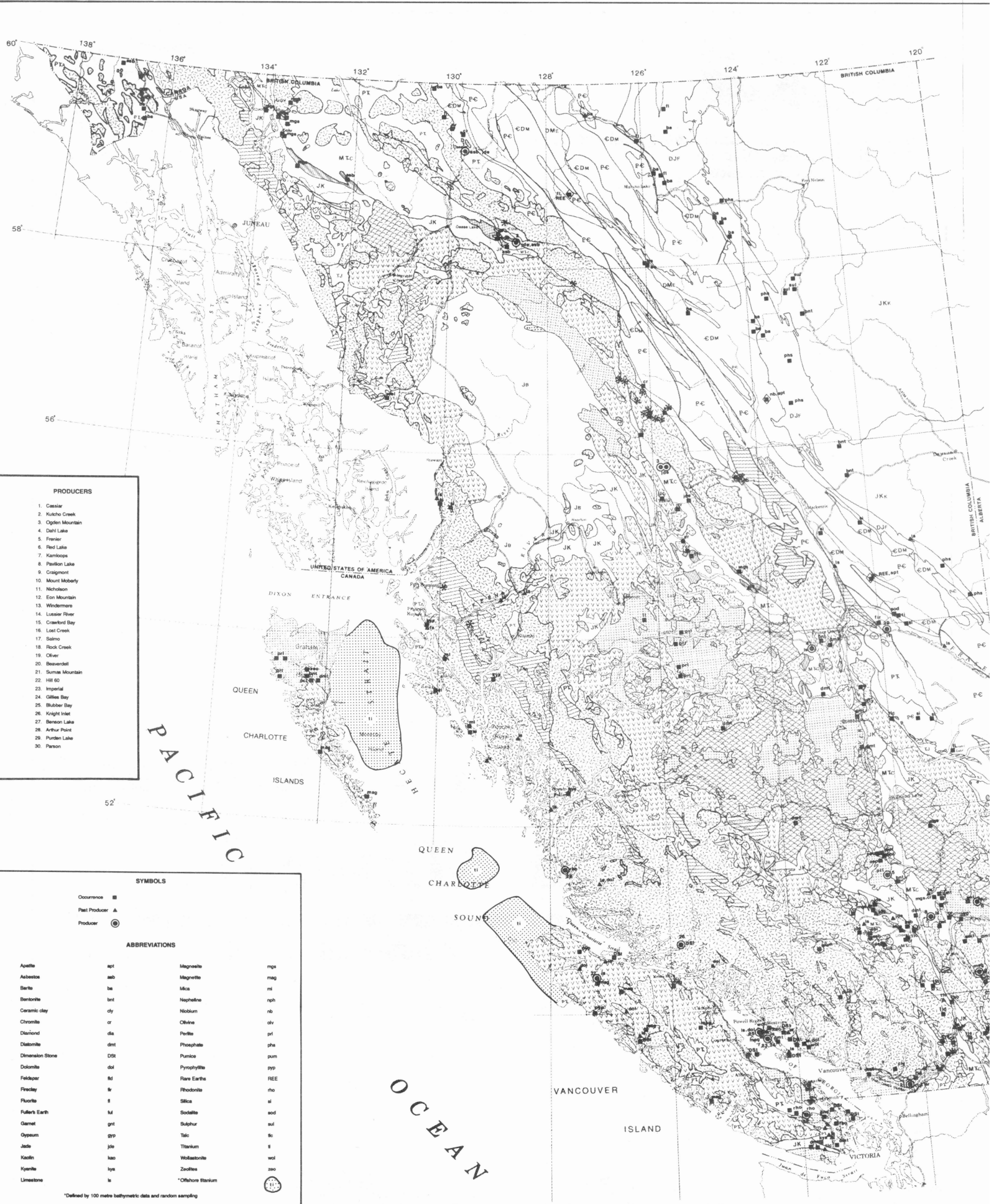
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# BRITISH COLUMBIA's Industrial Minerals

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Information Circular 1992-13



- PRODUCERS**
1. Caslar
  2. Kutch Creek
  3. Ogden Mountain
  4. Dahl Lake
  5. Frenier
  6. Red Lake
  7. Kamloops
  8. Pavilion Lake
  9. Craigmont
  10. Mount Moberly
  11. Nicholson
  12. Eon Mountain
  13. Windermere
  14. Lussier River
  15. Crawford Bay
  16. Lost Creek
  17. Salmco
  18. Rock Creek
  19. Oliver
  20. Basovdell
  21. Sumak Mountain
  22. Hill 60
  23. Imperial
  24. Gilles Bay
  25. Blubber Bay
  26. Knight Island
  27. Benson Lake
  28. Arthur Point
  29. Purden Lake
  30. Parson

- SYMBOLS**
- Occurrence ■
  - Plant Producer ▲
  - Producer ●

**ABBREVIATIONS**

Apatite	apt	Magnetite	mag
Asbestos	asb	Magnetite	mag
Berite	bs	Mica	mi
Bentonite	bnt	Nepheline	nph
Ceramic clay	cl	Niobium	nb
Chromite	cr	Olivine	olv
Diamond	dia	Perlite	prt
Diatomite	dnt	Phosphate	phs
Dimension Stone	DSt	Pumice	pum
Dolomite	dol	Pymphyllite	pyf
Feldspar	fd	Rare Earths	REE
Fluorite	fr	Rhodonite	rho
Fuller's Earth	fl	Silica	sil
Garnet	grt	Sodalite	sod
Gypsum	gyp	Sulphur	sul
Jade	jde	Talc	tlc
Kaolin	kao	Titanium	ti
Kyanite	ky	Wollastonite	wol
Limestone	ls	Zirconite	zrc
		*Otholite Uranium	

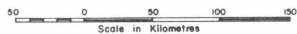
\*Delined by 100 metre bathymetric data and random sampling



Province of British Columbia  
Ministry of Energy, Mines and Petroleum Resources

GEOLOGICAL SURVEY BRANCH  
OPEN FILE 1988-13

**INDUSTRIAL MINERAL OCCURRENCES  
IN BRITISH COLUMBIA**



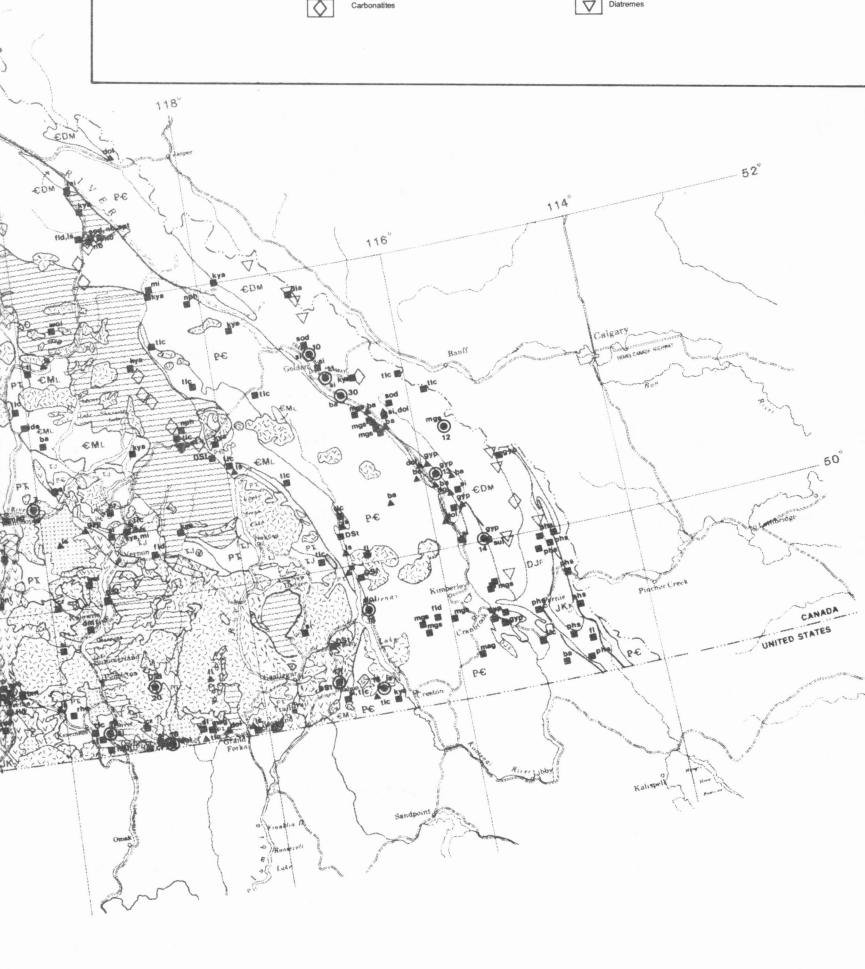
Geological base map modified from G.S.C. Map 1505A  
Industrial mineral occurrences compiled by S.B. Butrenchuk,  
Z.D. Hora, G.V. White, K.D. Hancock, M.E. MacLean  
Cartography by J. Fontaine

**LEGEND**  
**SEDIMENTARY AND VOLCANIC ROCKS**

- |   |   |
|---|---|
| <b>CRETACEOUS-TERTIARY</b><br>[Dotted pattern] Volcanic and sedimentary rocks, undifferentiated, zeolites | <b>MIOCENE-PLEISTOCENE</b><br>[Cross-hatch pattern] Plateau basalts                               |
| <b>JURASSIC-CRETACEOUS</b><br>[JK] Argillite, greywacke, sandstone  | <b>JURASSIC-CRETACEOUS</b><br>[JKK] Sandstone, shale, siltstone, coal                             |
| <b>MIDDLE JURASSIC-LOWER CRETACEOUS</b><br>[JB] Siltstone, greywacke, shale, coal                         | <b>TRIASSIC-CRETACEOUS</b><br>[VVV] Volcanic rocks, undifferentiated                              |
| <b>MISSISSIPPIAN-TRIASSIC</b><br>[MTC] Cache Creek chert, argillite, carbonate                            | <b>TRIASSIC-JURASSIC</b><br>[TJ] Shale, argillite, limestone                                      |
| <b>PALEOZOIC-TRIASSIC</b><br>[PTK] Volcanics, chert, sandstone, carbonate                                 | <b>DEVONIAN-JURASSIC</b><br>[DJF] Carbonate, shale, sandstone, phosphate                          |
| <b>DEVONIAN-MISSISSIPPIAN</b><br>[DME] Sandstone, shale, conglomerate                                     | <b>CAMBRIAN-DEVONIAN</b><br>[CDM] Carbonate, shale, gypsum  |
| <b>CAMBRIAN-MISSISSIPPIAN</b><br>[CML] Argillite, limestone, greenstone                                   | <b>PROTEROZOIC-TRIASSIC</b><br>[PTA] Marine clastic sediments, limestone, basic to acid volcanics |
| <b>PROTEROZOIC-CAMBRIAN</b><br>[PC] Sandstone, siltstone, shale, dolomite, iron formation                 |   |
| <b>ARCHEAN-PALEOZOIC</b><br>[Hatched pattern] Gneiss, schist, quartzite, marble, amphibolite              |   |

**INTRUSIVE ROCKS**

- |   |  |
|---|--|
| <b>PROTEROZOIC-TERTIARY</b><br>[Dotted pattern] Granitic rocks undifferentiated | <b>UPPER TRIASSIC-CRETACEOUS</b><br>[Star pattern] Alaskan-type ultramafic rocks |
| <b>LATE PALEOZOIC-TRIASSIC</b><br>[Solid grey] Alpine-type ultramafic rocks     | <b>PRECAMBRIAN-MISSISSIPPIAN</b><br>[Diamond shape] Carbonatites                 |
|   | <b>DIATREMES</b><br>[Inverted triangle] Diatremes                                |

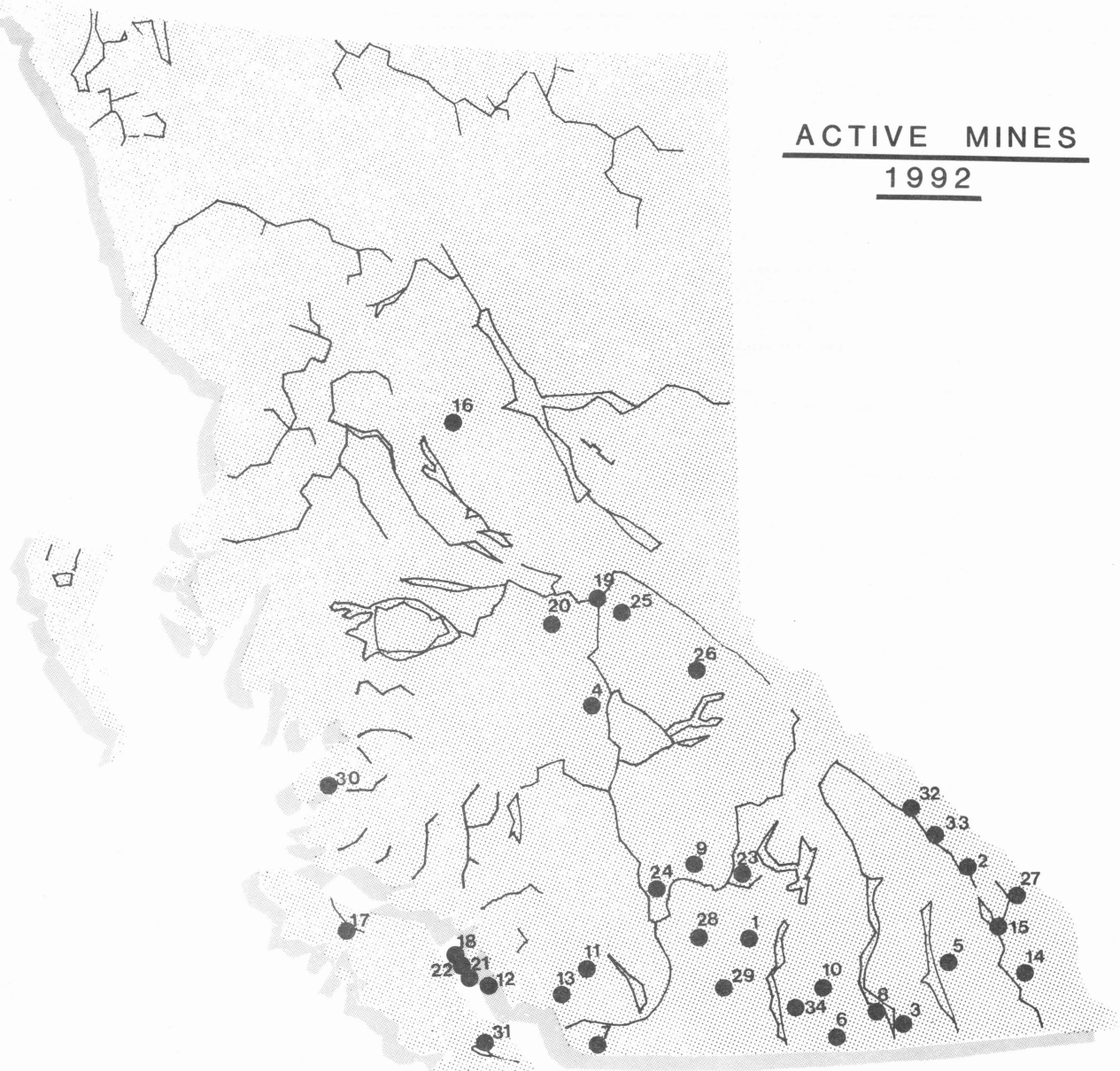


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# ACTIVE MINES

## 1992



### INDUSTRIAL MINERALS PRODUCERS IN BRITISH COLUMBIA

COMMODITY	PROPERTY	OPERATOR
1 ANHYDRITE	FALKLAND	CANADA CEMENT LAFARGE LTD.
2 BARITE	PARSON	MOUNTAIN MINERALS LTD.
3 CALCITE	LOST CREEK	INTERNATIONAL MARBLE & STONE CO. LTD.
4 DIATOMACEOUS EARTH	QUESNEL	CLAYBURN INDUSTRIES LTD.
5 DOLOMITE	CRAWFORD BAY	INTERNATIONAL MARBLE & STONE CO. LTD.
6 DOLOMITE	ROCK CREEK	MIGHTY WHITE DOLOMITE LTD.
7 FIRECLAY	SUMAS MTN.	CLAYBURN INDUSTRIES LTD.
8 FLAGSTONE	SALMO	KOOTENAY STONE CENTER
9 FULLERS EARTH	RED LAKE	WESTERN INDUSTRIAL CLAY PRODUCTS LTD.
10 GRANITE	BEAVERDELL	QUARRY PACIFIC INDUSTRIES LTD.
11 GRANITE	CAYOOSH CK.	NORTH WEST GRANITE COMPANY
12 GRANITE	FOX ISLAND	CITY WEST DEVELOPMENT CORP.
13 GRANITE	SQUAMISH	PACIFIC GRANISTONE CORP.
14 GYPSUM	LUSSIER R.	DOMTAR CONSTRUCTION MATERIALS
15 GYPSUM	WINDERMERE	WESTROC INDUSTRIES LTD.
16 JADE	OGDEN MTN.	JADE WEST RESOURCES LTD.
17 LIMESTONE	BENSON LAKE	INTERNATIONAL MARBLE & STONE CO. LTD.
18 LIMESTONE	BLUBBER BAY	ASH GROVE CEMENT WEST LTD.
19 LIMESTONE	GOSCOME	KODE-JERRAT QUARRIES LTD.
20 LIMESTONE	DAHL LAKE	NORTH ROCK INDUSTRIES LTD.
21 LIMESTONE	GILLIES BAY	HOLNAM WEST MATERIALS LTD.
22 LIMESTONE	VANANDA	IMPERIAL LIMESTONE LTD.
23 LIMESTONE	KAMLOOPS	CANADA CEMENT LAFARGE LTD.
24 LIMESTONE	PAVILLION LK.	CONTINENTAL LIME
25 LIMESTONE	PURDEN LAKE	QUESNEL READY MIX
26 LIMESTONE	SLATER CLAIMS	SLATER MOUNTAIN INDUSTRIES
27 MAGNESITE	MT. BRUSSILOR	BAYMAG MINES CO. LTD
28 MAGNETITE	CRAIGMONT	CRAIGMONT MINES LTD.
29 PYROPHYLLITE	PRINCETON	CLAYBURN INDUSTRIES LTD.
30 RHODONITE	ARTHUR POINT	RHODO WEST LTD.
31 SHALE	NANAIMO	DUNSMUIR QUARRIES LTD.
32 SILICA	MT. MOBERLY	MOUNTAIN MINERALS LTD.
33 SILICA	NICHOLSON	BERT MILLER TRUCKING & CONTRACTING
34 SILICA	OLIVER	PACIFIC SILICA LTD.

### QUANTITY AND VALUE OF INDUSTRIAL MINERALS AND CONSTRUCTION

#### MATERIALS PRODUCED IN BRITISH COLUMBIA, 1990

INDUSTRIAL MINERALS		
PRODUCT	QUANTITY	VALUE
ASBESTOS	95 208 t	53 209 847
SULPHUR	453 138 t	55 565 039
<b>TOTAL</b>		<b>108 774 886</b>
<b>OTHERS</b>		
BARITE	37 109 t	1 230 563
DIATOMITE	2 000 t	400 000
GYPSUM	506 499 t	3 090 406
JADE	168 047 kg	448 475
PYROPHYLLITE	80 t	3 208
MAGNESITE	172 000 t	3 612 000
QUARTZ-SILICA	95 345 t	2 286 479
<b>TOTAL OTHERS</b>		<b>11 071 131</b>
<b>CONSTRUCTION MATERIALS</b>		
CLAY - SHALE PRODUCTS		5 830 000
CEMENT	1 650 000 t	144 000 000
LIME AND LIMESTONE	2 400 000 t	9 300 000
ROCK, RUBBLE, RIP RAP	1 406 000 t	9 980 000
BUILDING STONE	4 000 t	540 000
SAND AND GRAVEL	41 300 000 t	140 800 000
<b>TOTAL CONSTRUCTION</b>		<b>310 250 000</b>
<b>TOTAL VALUE PRODUCED IN 1990</b>		<b>430 096 017</b>
(ALL VALUES IN CANADIAN DOLLARS)		