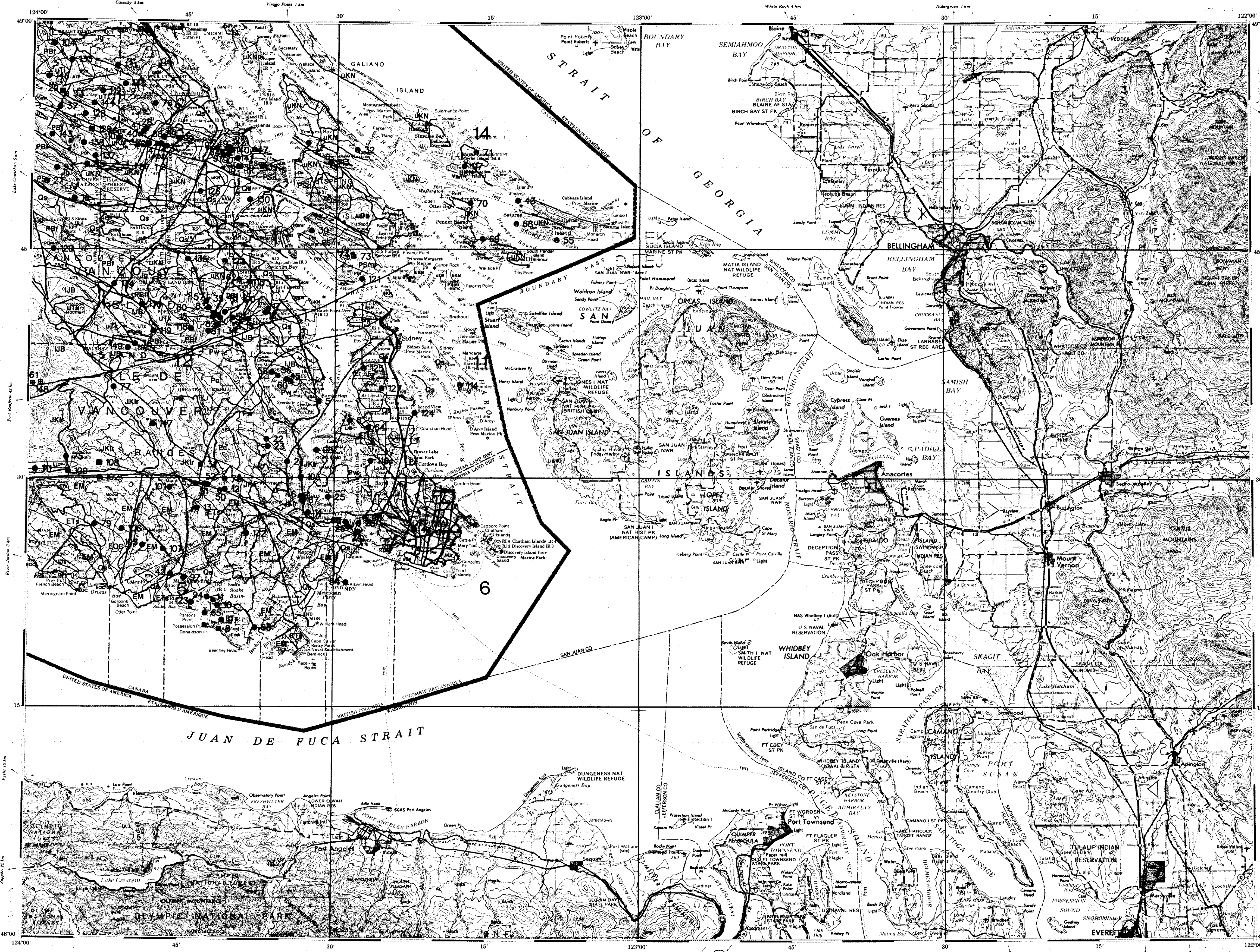



# GEOLOGICAL LEGEND

- STRATIFIED ROCKS**
- CENOZOIC**
- QUATERNARY**
- PLEISTOCENE AND RECENT**
- Qs** Unconsolidated sediments
- TERTIARY**
- Eocene and Oligocene**
- EOC** CARMANAH GROUP: Sandstone, shale, conglomerate
- Eocene**
- EM** METCHOSIN VOLCANICS: Pillow basalt
- MESOZOIC**
- UPPER CRETACEOUS**
- uKN** NANAIMO GROUP: Sandstone, shale, conglomerate
- LOWER JURASSIC**
- lJB** BONANZA GROUP: Andesite, dacite, rhyolite
- TRIASSIC**
- UPPER TRIASSIC**
- VANCOUVER GROUP**
- uTq** QUATSINO AND PARSON BAY FORMATIONS: Limestone, argillite
- uTk** KARMUTSEN FORMATION: Basalt, pillow lava
- PALEOZOIC**
- PENNSYLVANIAN TO PERMIAN(?)**
- PBL** BUTTLE LAKE GROUP: Limestone
- DEVONIAN TO PENNSYLVANIAN**
- CS** SICKER GROUP: Meta-andesite, dacite
- COWICHAN UPLIFT**
- BUTTLE LAKE GROUP**
- PERMIAN(?)**
- PBs** ST. MARY'S LAKE: Volcanic sandstone, conglomerate, sandstone-argillite turbidites
- UPPER PENNSYLVANIAN TO PERMIAN**
- PBmm** MOUNT MARK FORMATION: Massive calcarenite, calcirudite, chert, argillite
- MISSISSIPPIAN TO PENNSYLVANIAN**
- PBI** FOURTH LAKE FORMATION: Cherty sediments, volcanic sandstone, argillite, calcarenite
- SICKER GROUP**
- UPPER DEVONIAN**
- PSmr** MCLAUGHLIN RIDGE FORMATION: Thickly bedded tuffite, lithic tuffite; laminated cherty tuff, heterolithic lapilli tuff, breccia
- DEVONIAN**
- PSn** NITINAT FORMATION: Porphyritic agglomerate, breccia, lapilli and crystal tuff, porphyritic pillowed and massive flows
- PSd** DUCK LAKE FORMATION: Pillowed and massive basalt flows, pillow breccia; chert, Jasper, minor felsic tuff, dacite intrusions
- INTRUSIVE ROCKS**
- CENOZOIC**
- TERTIARY**
- EARLY TO MIDDLE EOCENE**
- ETi** TERTIARY INTRUSIONS: Quartz diorite, granodiorite, quartz monzonite
- ETs** SOOKE GABBRO: Augite gabbro
- MESOZOIC**
- JURASSIC**
- EARLY TO MIDDLE JURASSIC**
- Jg** ISLAND PLUTONIC SUITE: Granodiorite, quartz diorite
- TRIASSIC**
- LATE TRIASSIC**
- uTi** SILLS AND DYKES: Diabase and gabbro (coeval with Karmutsen Formation, informally known as Mount Hall Gabbro)
- LATE DEVONIAN**
- uDs** SALTSPRING INTRUSIVE SUITE: Granodiorite and feldspar porphyry, quartz-feldspar porphyry
- METAMORPHIC ROCKS**
- JURASSIC AND CRETACEOUS**
- JKlr** LEECH RIVER COMPLEX: Greywacke, phyllite, schist
- JKPr** PACIFIC RIM COMPLEX: Greywacke, argillite, meta-siltstone
- PALEOZOIC AND MESOZOIC**
- PMw** WESTCOAST COMPLEX: Gneiss, amphibolite, migmatite, agmatite, quartz diorite
- Pc** COLQUITZ GNEISS: Quartz-feldspar gneiss
- Pw** WARK GNEISS: Massive and gneissic metadiorite, metagabbro, amphibolite
- Geological legend and base derived from:  
Massey, N.W.D. (1991): Personal Communication;  
Massey, N.W.D. and Friday, S.J. (1989): Geology of the Port Alberni-Nanaimo Lakes Area, Vancouver Island, Ministry of Energy, Mines and Petroleum Resources, Geological Factbook 1989;  
Massey, N.W.D., Compiler (1987): Geology of the Duncan and Chumash River Area, Vancouver Island, Ministry of Energy, Mines and Petroleum Resources, Open File Map 1988-1, 1:20,000;  
Muller, J.E. (1979, 1989): Victoria Geological Survey of Canada, Map 1553A, 1:1,000,000;  
Bodick, J.A., Muller, J.E. and Choulin, A.V., Compilers (1978): Fraser River, Geological Survey of Canada, Map 1386A, 1:1,000,000.



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




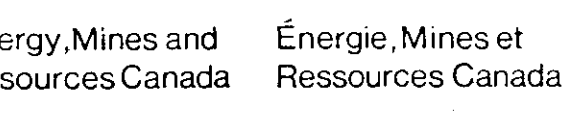
## MINFILE MAP 092B

### VICTORIA

#### MINERAL OCCURRENCE MAP

Scale 1:250 000

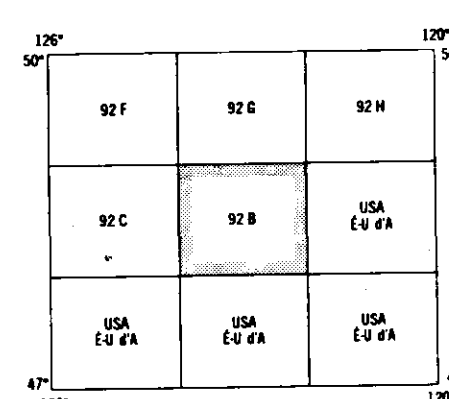
This project is a contribution to the Canada/British Columbia Mineral Development Agreement 1985-1990.

 Province of British Columbia   
  Ministry of Energy, Mines and Petroleum Resources   
  Energy, Mines and Resources Canada   
  Energie, Mines et Ressources Canada

DATE REVISED: January 1991    TOTAL NUMBER OF OCCURRENCES: 149

**LEGEND**

STATUS	Symbol
Producer	Circle with dot
Past Producer	Square with dot
Developed Prospect	Triangle with dot
Prospect	Star
Showing	Circle with cross



### MAP LEGEND 092B

MINFILE NUMBER	MINFILE NAME	COMMODITIES	MINFILE NUMBER	MINFILE NAME	COMMODITIES
001	LENDRA (L.356)	CU AU AG PB ZN CO BA	076	LADY D	FE MA AU AG CU
002	TYEE (L.360)	CU AU AG PB ZN CO BA	077	BRAND	AU AG
003	RICHARD III (L.392)	CU AU AG PB ZN CO BA	078	LEIGH RIVER PLACER	AU AG
004	VICTORIA (L.273)	LS MB	079	PROSPECT	AU AG
005	BAMBERTON	LS MB	080	BLURELL (L.150)	AU AG
006	TOR INLET	LS MB	081	ARSENIC	AS
007	HEBERT	CU AU FE	082	W.A.E. (L.380)	ZN CU AU
008	OLD COPPER MINE	CU AU AG CO NI	083	DOMA	ZN CU AU
009	MARBLET (L.138)	CU NI CO PB MO AG AU *	084	JAME	ZN CU AU
010	WILLOW GROUSE (L.135)	CU NI CO PB MO AG AU *	085	REGAL	ES AT
011	ELM	CU AU AG	086	KEY CITY (L.370)	CU ZN AU
012	EAGLE	TC	087	QUEEN BEE (L.1000)	CU ZN AU
013	PERNET IS.	CU AU	088	BELLE (L.550)	CU ZN AU
014	RALPH (L.77)	CU AU	089	LUCKY STRIKE	CU ZN
015	PERNET IS.	CU AU	090	MAIR VALLEY	CU
016	KING-BLOOM (L.176)	LS	091	LUCKY STRIKE	CU ZN
017	ROSEBANK QUARRY	LS	092	SALLY	CU
018	COBBLE HILL	LS	093	MYRA	CU MN
019	ROSEBANK QUARRY	LS	094	MAIR VALLEY	CU
020	PARSONS BRIDGE	LS FE CU	095	NEVER SHUT	CU MN
021	WEDGEWORTH LAKE	LS	096	PARK STATION	LS
022	MALARA	LS	097	OTTER	CU MO TI
023	DESERGUE LAKE	LS	098	KINGMAN	LS
024	ROSEBANK	LS MB	099	NORTHEAST COPPER ZONE	CU AG
025	MILLSIDE	LS	100	BUCKE SAS	CU AG
026	ATKINS ROAD	LS AT	101	JILL	CU
027	HILL 50	LS	102	LEIGH RIVER	CU
028	ROSE	LS	103	PATRASCHE	PB CU
029	LADY A (C ZONE)	FE MA	104	COLOMBIAN MOUNTAIN	CU MO
030	MEGAB	FE MA	105	BLOCK 176	CU
031	INERICK	FE MA	106	BLOCK 609	CU MO
032	LOW MEASURE	FE MA	107	BLOCK 811	CU
033	LADY A (C ZONE)	FE MA	108	VALENTINE MOUNTAIN	CU
034	LOW MEASURE	CU FE AG MA ZN	109	JORDAN RIVER	CU
035	VIMA	CU AG	110	POPE	CU AU ZN CU PB
036	FANAL	CU FE AG PB ZN CU MO	111	VALLEY	CU AU AG ZN CU
037	AMITA	CU PB ZN AG AU	112	ORA 3	MA CU AG AU PO
038	COMBODIA	AU AG	113	SEAR SPRING ISLAND	ES AT
039	YREKA	AU AG	114	SINNET ISLAND	CU
040	SHARON COPPER	CU	115	PROSPECT LAKE	DE
041	WATER POWER-BENTON	CU AG	116	MAINE ISLAND	DE
042	FLEWCE (L.77)	AL	117	EAGLE HEIGHTS	LS
043	SATURNA	ES AT	118	WILD CREEK CREEK	LS
044	RODGERS STREET	ES AT	119	SOOKE BEACH	LS
045	WILLOW 8	FE MA	120	SKIFF FALLS	AU CU AG
046	NEIGRA CREEK	ES AT	121	CAFE KESSLE	CU
047	CROFTON SLAG	AT	122	KOOSILLAN	SV
048	MALLARD (L.164)	CU	123	ISLAND VIEW BEACH	CU
049	IRONCLAD	CU	124	COLE BAY	CU
050	MOLLE CREEK	CU	125	DURHAM CREEK	CU
051	EASTLEAK STAR	CU	126	QUANAMIAN LAKE	CU
052	SUNSHINE 1	CU	127	QUANAMIAN LAKE	CU
053	SB	TC	128	QUANAMIAN LAKE	CU
054	ALBERT HEAD	AT	129	QUANAMIAN LAKE	CU
055	SATURNA ISLAND	FE MA CU AU AG	130	QUANAMIAN LAKE	CU
056	VILLORDON 1-3, 9, 10	FE MA CU AU AG	131	QUANAMIAN LAKE	CU
057	STAR	MA CU	132	QUANAMIAN LAKE	CU
058	CHAMPAIGN	MA CU	133	QUANAMIAN LAKE	CU
059	SEL 6	FE MA AU AG CU	134	QUANAMIAN LAKE	CU
060	STAR (L.100)	FE MA AU AG CU	135	QUANAMIAN LAKE	CU
061	VICTORY (L.85)	ES AT	136	QUANAMIAN LAKE	CU
062	HILLBARK	ES AT SH	137	QUANAMIAN LAKE	CU
063	FRODO MARK	CU MA	138	QUANAMIAN LAKE	CU
064	PENTON	CU MA FE	139	QUANAMIAN LAKE	CU
065	HILL	CU MA	140	QUANAMIAN LAKE	CU
066	BECKER BAY	SV BS	141	QUANAMIAN LAKE	CU
067	BENTLEY	AU	142	QUANAMIAN LAKE	CU
068	BRADLEY DYKE	SV BS	143	QUANAMIAN LAKE	CU
069	PENDER ISLAND	SV BS	144	QUANAMIAN LAKE	CU
070	HORN BAY	SV BS	145	QUANAMIAN LAKE	CU
071	CAMBERELL BAY	SV BS	146	QUANAMIAN LAKE	CU
072	BOOBY BAY	SV BS	147	QUANAMIAN LAKE	CU
073	PATRICIA	RS OS	148	QUANAMIAN LAKE	CU
074	HOLLINGS	RS OS	149	QUANAMIAN LAKE	CU
075	WPA	AU CU	149	QUANAMIAN LAKE	CU

**COMMODITY LEGEND**

CODE (LINES)	COMMODITY	COMMODITY (LINES)	CODE
A	Andalusite	7	7 or more commodities
AD	Andalusite	8	8 or more commodities
AG	Agate	AE	Agate
AG	Silver	AL	Aluminum
AL	Aluminum	AM	Ammonium
AS	Arsenic	AN	Antimony
AS	Arsenic	AR	Arsenic
AU	Gold	BA	Barite
BA	Barite	BB	Building Stone
BB	Building Stone	BC	Carbon
BC	Carbon	CD	Clay
CD	Cadmium	CE	Cerium
CE	Cerium	CF	Cobalt
CF	Cobalt	CG	Copper
CG	Copper	CH	Chert
CH	Chert	CI	Chrysotile
CI	Chrysotile	CK	Coal
CK	Coal	CL	Clay
CL	Clay	CM	Comminuted
CM	Comminuted	CS	Crystalline Silica
CS	Crystalline Silica	CT	Crystalline Silica
CT	Crystalline Silica	CU	Copper
CU	Copper	CV	Crystalline Silica
CV	Crystalline Silica	CA	Calcium
CA	Calcium	CB	Calcium
CB	Calcium	CC	Calcium
CC	Calcium	CD	Calcium
CD	Calcium	CE	Calcium
CE	Calcium	CF	Calcium
CF	Calcium	CG	Calcium
CG	Calcium	CH	Calcium
CH	Calcium	CI	Calcium
CI	Calcium	CJ	Calcium
CJ	Calcium	CK	Calcium
CK	Calcium	CL	Calcium
CL	Calcium	CM	Calcium
CM	Calcium	CN	Calcium
CN	Calcium	CO	Calcium
CO	Calcium	CP	Calcium
CP	Calcium	CQ	Calcium
CQ	Calcium	CR	Calcium
CR	Calcium	CS	Calcium
CS	Calcium	CT	Calcium
CT	Calcium	CU	Calcium
CU	Calcium	CV	Calcium
CV	Calcium	CW	Calcium
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CY	Calcium	CZ	Calcium
CZ	Calcium	DA	Calcium
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