



# TASROK—A computer-based catalogue for Tasmanian rocks (Revision 3)

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## Abstract

The program suite described is designed to provide the basis of a unified index to the various rock and mineral collections held within Tasmanian institutions. Provision is included for searching the collections, adding to the data, and producing a comprehensive manual. This revision implements use of standard rock unit names.

## INTRODUCTION

A number of organisations within Tasmania maintain rock collections, (e.g. Hydro-Electric Commission, Department of Mines, Tasmanian Museum and Art Gallery, University of Tasmania) but there is no easy way of locating all specimens of a particular type or from a particular area. At present the programs only provide for the four collections of the Department of Mines but are easily modified to include other collections (changes to ROCKADD, ROCKCHGE).

## SEARCHING THE DATA

The search phase is entered by typing ROCKSRCH. An entry will be retrieved only if the specified search options are matched. The list of standard abbreviations should be used when designing a search.

The program requests the following data:

- (i) Collection—one or more standard collection identifiers on a line, each identifier terminated by /. If a search by registered number is required only one collection identifier must be given. If this option is not required leave the line blank.  
  
e.g. MI/MM/ historic Mines Department rocks or Mines Department minerals.
- (ii) Starting registered number—a number valid for the collection selected. Leave blank to select all.
- (iii) Finishing registered number—a number valid for the collection selected. The prompt only appears if a starting registered number is given. Leave blank to select all entries after the starting registered number.
- (iv) Generic type—one or more standard abbreviations on a line, each abbreviation terminated by /. If this option is not required leave the line blank.
- (v) Sample name—details as for generic type, but no standard abbreviations.

- (vi) Minerals—details as for generic type.
- (vii) Modifiers—details as for generic type.
- (viii) Age—details as for generic type but:
  - CO will search for PZO, PZC also
  - EC will search for PRP, PZC also
  - SD will search for PZS, PZD also
  - PC will search for PZP, PZF also
  - PT will search for MT, PZP also
  - C will search for Q, T also
  - T will search for T, TPL, TMI etc.
  - TPL will search for TPL, TPLE, TPLM, TPLL etc. etc.
- (ix) Rock unit code—details as for generic type
- (x) Rock group code—this allows searching of characters 4 to 6 of the rock unit code.
- (xi) Rock unit name—details as for generic type
- (xii) State—details as for generic type but:
  - to search on AMG co-ordinates State must be 0 (Tasmania)
  - to search all entries on lat./long. State should be 8.
- (xiii) Quadrangle or country—details as for generic type, but no standard abbreviations.
- (xiv) Search by area—Y to search by area—only prompted for if State is not blank
  - (a) If State is 0 (Tasmania):  
  
The AMG co-ordinates of the western, eastern, southern and northern boundaries of the area to be searched are requested. Full six-figure co-ordinates are required, with the assumed digit 5 on northings omitted.
  - (b) If State is 1–6,8,9:  
  
The southern, northern, western and eastern boundaries are requested. The latitudes and longitudes are specified as on the input sheet.
- (xv) Locality—details as for generic type, but no standard abbreviations.
- (xvi) Collector—details as for generic type.
- (xvii) Starting year—the year of collection to start searching from. Leave blank to select all.

- (xviii) Finishing year—the prompt only appears if a starting year is given. Leave blank to select all entries collected after the starting year.
- (xix) Treatment—details as for generic type.
- (xx) Keywords—details as for generic type, but no standard abbreviation.
- (xxi) Proceed with this search—type N if search is not to proceed.
- (xxii) Do you want a screen listing?—type N if not required.  
Full or abbreviated listing?—F for full  
Print more entries on screen?—N for no more
- (xxiii) Search subset again?—type Y to search the currently selected subset of the data again.
- (xxiv) Do you want a printout?—type Y if a printout is required.  
  
Full or abbreviated listing?  
—F for full  
—A for abbreviated  
—Appendix 2 shows sample outputs
- (xxv) More searches?—type N to stop searching

### DATA BASE MAINTENANCE

#### Data coding

Data are coded onto standard sheets (Appendix 1) using the current lists of standard abbreviations and the following notes. When a prompt terminates with a \*, entering a return will repeat the previous data value. A new string may also be entered or a backslash (\) will insert a blank. The previous value is displayed after the prompt.

- (a) Collection—2 characters specifying the collection
- (b) Registration No.—up to 8 characters in the format for the collection  
—the previous registered number will be incremented if this is left blank
- (c) Generic type\*—5 characters in accordance with the standard list  
—leave blank if not known
- (d) Sample name\*—up to 12 characters  
—leave blank if not known
- (e) Minerals—up to three sets of three characters in accordance with the standard list  
—leave blank if not known
- (f) Modifiers—up to three sets of four characters in accordance with the standard list  
—leave blank if not known
- (g) Age\*—4 characters in accordance with the standard list  
—leave blank if not known
- (h) Rock unit code\*—5 characters in accordance with the standard list  
—leave blank if not known

- (i) Rock unit name\*—up to 10 characters in accordance with the standard list  
—leave blank if not known
- (j) State or overseas\*—1 character in accordance with the standard list
- (k) Quadrangle or country\*—quadrangle number for Tasmania using 1:50 000 sheets if possible, e.g. 7916S  
—abbreviated country name
- (l) Co-ordinate\*—Lat./Long.\*  
—AMG co-ordinates in Tasmania e.g. 285200 347400  
—latitude and longitude elsewhere  
—one per line
- (m) Locality\*—up to 12 characters  
—leave blank if not known
- (n) Collector\*—3 characters in accordance with the standard list  
—leave blank if not known
- (o) Year of collection\*—4 digits
- (p) Field no.—up to 6 alpha-numeric characters  
—leave blank if not known
- (q) Treatment—up to 6 sets of two characters in accordance with the standard list.  
—leave blank if not known
- (r) Reference—up to 30 characters
- (s) Keywords—up to 24 characters
- (t) Comments—up to 24 characters

#### Data entry

Data are input by typing ROCKADD. The data is entered in batches with only one collection in each batch. Other data requested are in accordance with the coding form. To terminate input, type END in response to the request for registered number. At the end of input a proof sheet is output and the standard abbreviations are automatically checked. Any errors in abbreviations are also printed.

#### Correction of new data

Data are corrected before merging by typing ROCKCORR. This program prompts for collection and registered number, and allows all parts of the data sheet to be changed. Once again a proof sheet is output and the abbreviations are checked. Corrections may be made any number of times.

#### Data merging

After checking and correction data are merged with the main file by typing ROCKMRGE.

#### Data sorting

The data may be sorted into ascending registered number order within collections by typing ROCKSORT.

*Data correction*

Corrections may be made to existing entries in the data base by typing ROCKUPD. This program works in much the same way as ROCKCORR.

*Data searching*

The search phase is entered by typing ROCKSRCH.

*Adding new abbreviations*

New abbreviations may be added by typing NEWTERM. The type of abbreviation is requested and then each new term is input as a 5 character abbreviation on one line followed by the full term, with a maximum of 58

characters, on the next line. Standard abbreviation types are COLECTOR, MODIFIER, TRTMENT, MINERAL and GENERIC, and are stored in files of the same name with the extension .REF. The AGE abbreviations can only be changed using the editor.

ROCKCODE (the rock unit codes and rock unit names) is changed using the editor by typing CHGECODE.

*Listing standard abbreviations*

A list of standard abbreviations may be produced by typing GUIDER. A sample, and very incomplete, list is shown in Appendix 3.

[6 July 1989]





**APPENDIX 3**  
**Tasrok user guide**

TASMANIAN ROCK CATALOGUE

GUIDE TO INFORMATION STORED

DATE 21 JUN 1988

INTRODUCTION  
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The abbreviations used in the Tasmanian rock catalogue (TASROK) are outlined in the following lists. Every attempt should be made to use the latest versions of the abbreviations. In the event of additional abbreviations being needed please contact the Mines Department to arrange an update and re-issue to participating groups.

Abbreviations of less than the maximum field length may need to be followed by a space to distinguish them from longer abbreviations.

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REGISTRATION NUMBERS

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	COLLECTION	FORMAT
HISTORIC MINES DEPT. ROCKS	M1	12345678
YEAR SERIES MINES DEPT. ROCKS	M2	86-12345
NEW SERIES MINES DEPT. ROCKS	M3	G1234567
MINES DEPT. MINERALS	MM	12345678

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LOCATION DATA

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STATE  
0 TASMANIA  
1 VICTORIA  
2 NEW SOUTH WALES (INCLUDING A.C.T.)  
3 QUEENSLAND  
4 NORTHERN TERRITORY  
5 WESTERN AUSTRALIA  
6 SOUTH AUSTRALIA  
9 OVERSEAS

FOR ALL AREAS OUTSIDE TASMANIA  
LATITUDE AND LONGITUDE ARE USED.

WITHIN TASMANIA THE AUSTRALIAN MAP GRID  
IS USED WITH SIX (6) DIGITS IN EACH  
COORDINATE. THE ASSUMED DIGIT 5 IN NORTHINGS  
IS OMITTED

## GENERIC TYPE

CO	CONCENTRATES		CO	CONCENTRATES
ET	EXTRATERRESTRIAL (METEORITES & TEKTITES)		ET	EXTRATERRESTRIAL (METEORITES & TEKTITES)
ETM	EXTRATERRESTRIAL- METEORITES		ETM	EXTRATERRESTRIAL- METEORITES
ETT	EXTRATERRESTRIAL- TEKTITES		ETT	EXTRATERRESTRIAL- TEKTITES
I	IGNEOUS-		I	IGNEOUS-
IP	IGNEOUS- PLUTONIC & HYPABYSSAL		IP	IGNEOUS- PLUTONIC & HYPABYSSAL
IP	IGNEOUS- PLUTONIC- ACID		IP	IGNEOUS- PLUTONIC- ACID
IPAAD	IGNEOUS- PLUTONIC- ACID- ADAMELLITE		IPAAD	IGNEOUS- PLUTONIC- ACID- ADAMELLITE
IPAAP	IGNEOUS- PLUTONIC- ACID- APLITE		IPAAP	IGNEOUS- PLUTONIC- ACID- APLITE
IPAGD	IGNEOUS- PLUTONIC- ACID- GRANODIORITE		IPAGR	IGNEOUS- PLUTONIC- ACID- GRANITE
IPAGR	IGNEOUS- PLUTONIC- ACID- GRANITE		IPAGD	IGNEOUS- PLUTONIC- ACID- GRANODIORITE
IPAPE	IGNEOUS- PLUTONIC- ACID- PEGMATITE		IPAPE	IGNEOUS- PLUTONIC- ACID- PEGMATITE
IPAPO	IGNEOUS- PLUTONIC- ACID- PORPHYRY		IPAPO	IGNEOUS- PLUTONIC- ACID- PORPHYRY
IPB	IGNEOUS- PLUTONIC- BASIC		IPB	IGNEOUS- PLUTONIC- BASIC
IPBDO	IGNEOUS- PLUTONIC- BASIC- DOLERITE		IPBDO	IGNEOUS- PLUTONIC- BASIC- DOLERITE
IPBGA	IGNEOUS- PLUTONIC- BASIC- GABBRO		IPBGA	IGNEOUS- PLUTONIC- BASIC- GABBRO
IPBNO	IGNEOUS- PLUTONIC- BASIC- NORITE		IPBNO	IGNEOUS- PLUTONIC- BASIC- NORITE
IPBTO	IGNEOUS- PLUTONIC- BASIC- TONALITE		IPBTO	IGNEOUS- PLUTONIC- BASIC- TONALITE
IPI	IGNEOUS- PLUTONIC- INTERMEDIATE		IPI	IGNEOUS- PLUTONIC- INTERMEDIATE
IPIDI	IGNEOUS- PLUTONIC- INTERMEDIATE- DIORITE		IPIDI	IGNEOUS- PLUTONIC- INTERMEDIATE- DIORITE
IPILA	IGNEOUS- PLUTONIC- INTERMEDIATE- LAMPROPHYRE		IPILA	IGNEOUS- PLUTONIC- INTERMEDIATE- LAMPROPHYRE
IPIMO	IGNEOUS- PLUTONIC- INTERMEDIATE- MONZONITE		IPIMO	IGNEOUS- PLUTONIC- INTERMEDIATE- MONZONITE
IPIPO	IGNEOUS- PLUTONIC- INTERMEDIATE- PORPHYRY		IPIPO	IGNEOUS- PLUTONIC- INTERMEDIATE- PORPHYRY
IPISY	IGNEOUS- PLUTONIC- INTERMEDIATE- SYENITE		IPISY	IGNEOUS- PLUTONIC- INTERMEDIATE- SYENITE
IPU	IGNEOUS- PLUTONIC- ULTRABASIC		IPU	IGNEOUS- PLUTONIC- ULTRABASIC
IPUAN	IGNEOUS- PLUTONIC- ULTRABASIC- ANORTHOSITE		IPUAN	IGNEOUS- PLUTONIC- ULTRABASIC- ANORTHOSITE
IPUCR	IGNEOUS- PLUTONIC- ULTRABASIC- CHROMITITE		IPUCR	IGNEOUS- PLUTONIC- ULTRABASIC- CHROMITITE
IPUDU	IGNEOUS- PLUTONIC- ULTRABASIC- DUNITE		IPUDU	IGNEOUS- PLUTONIC- ULTRABASIC- DUNITE
IPUHA	IGNEOUS- PLUTONIC- ULTRABASIC- HARZBURGITE		IPUHA	IGNEOUS- PLUTONIC- ULTRABASIC- HARZBURGITE
IPUPE	IGNEOUS- PLUTONIC- ULTRABASIC- PERIDOTITE		IPUPE	IGNEOUS- PLUTONIC- ULTRABASIC- PERIDOTITE
IPUSE	IGNEOUS- PLUTONIC- ULTRABASIC- SERPENTINITE		IPUSE	IGNEOUS- PLUTONIC- ULTRABASIC- SERPENTINITE
IV	IGNEOUS- VOLCANIC & PYROCLASTIC		IVP	IGNEOUS- PYROCLASTIC
IVA	IGNEOUS- VOLCANIC- ACID		IVPAG	IGNEOUS- PYROCLASTIC- AGGLOMERATE
IVADA	IGNEOUS- VOLCANIC- ACID- DACITE		IVPAS	IGNEOUS- PYROCLASTIC- ASH
IVARD	IGNEOUS- VOLCANIC- ACID- RHYODACITE		IVPBR	IGNEOUS- PYROCLASTIC- BRECCIA
IVARH	IGNEOUS- VOLCANIC- ACID- RHYOLITE		IVPTU	IGNEOUS- PYROCLASTIC- TUFF
IVB	IGNEOUS- VOLCANIC- BASIC		IV	IGNEOUS- VOLCANIC & PYROCLASTIC
IVBBA	IGNEOUS- VOLCANIC- BASIC- BASALT		IVA	IGNEOUS- VOLCANIC- ACID
IVI	IGNEOUS- VOLCANIC- INTERMEDIATE		IVADA	IGNEOUS- VOLCANIC- ACID- DACITE
IVIAN	IGNEOUS- VOLCANIC- INTERMEDIATE- ANDESITE		IVARD	IGNEOUS- VOLCANIC- ACID- RHYODACITE
IVP	IGNEOUS- PYROCLASTIC		IVARH	IGNEOUS- VOLCANIC- ACID- RHYOLITE
IVPAG	IGNEOUS- PYROCLASTIC- AGGLOMERATE		IVB	IGNEOUS- VOLCANIC- BASIC
IVPAS	IGNEOUS- PYROCLASTIC- ASH		IVBBA	IGNEOUS- VOLCANIC- BASIC- BASALT
IVPBR	IGNEOUS- PYROCLASTIC- BRECCIA		IVI	IGNEOUS- VOLCANIC- INTERMEDIATE
IVPTU	IGNEOUS- PYROCLASTIC- TUFF		IVIAN	IGNEOUS- VOLCANIC- INTERMEDIATE- ANDESITE
IVU	IGNEOUS- VOLCANIC- ULTRABASIC		IVU	IGNEOUS- VOLCANIC- ULTRABASIC
ME	METAMORPHIC-		ME	METAMORPHIC-
MEGN	METAMORPHIC- GNEISS		MEGN	METAMORPHIC- GNEISS
MEGR	METAMORPHIC- GRANULITE		MEGR	METAMORPHIC- GRANULITE
MEI	METAMORPHIC- METAIGNEOUS		MEI	METAMORPHIC- METAIGNEOUS
MEIA	METAMORPHIC- METAIGNEOUS- AMPHIBOLITE		MEIA	METAMORPHIC- METAIGNEOUS- AMPHIBOLITE
MEIEC	METAMORPHIC- METAIGNEOUS- ECLOGITE		MEIEC	METAMORPHIC- METAIGNEOUS- ECLOGITE
MEIEP	METAMORPHIC- METAIGNEOUS- EPIDOSITE		MEIEP	METAMORPHIC- METAIGNEOUS- EPIDOSITE
MEISE	METAMORPHIC- METAIGNEOUS- SERPENTINITE		MEISE	METAMORPHIC- METAIGNEOUS- SERPENTINITE

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 GENERIC TYPE  
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MEMI	METAMORPHIC- MIGMATITE	MES	METAMORPHIC- METASEDIMENTARY
MEMY	METAMORPHIC- MYLONITE & FAULT BRECCIA	MESHF	METAMORPHIC- METASEDIMENTARY- HORNFELS
MES	METAMORPHIC- METASEDIMENTARY	MESMA	METAMORPHIC- METASEDIMENTARY- MARBLE
MESCH	METAMORPHIC- SCHIST	MESMQ	METAMORPHIC- METASEDIMENTARY- METAQUARTZITE
MESHF	METAMORPHIC- METASEDIMENTARY- HORNFELS	MESPH	METAMORPHIC- METASEDIMENTARY- PHYLLITE
MESMA	METAMORPHIC- METASEDIMENTARY- MARBLE	MESSK	METAMORPHIC- METASEDIMENTARY- SKARN
MESMQ	METAMORPHIC- METASEDIMENTARY- METAQUARTZITE	MESSL	METAMORPHIC- METASEDIMENTARY- SLATE
MESPH	METAMORPHIC- METASEDIMENTARY- PHYLLITE	MEMI	METAMORPHIC- MIGMATITE
MESSK	METAMORPHIC- METASEDIMENTARY- SKARN	MEMY	METAMORPHIC- MYLONITE & FAULT BRECCIA
MESSL	METAMORPHIC- METASEDIMENTARY- SLATE	MESCH	METAMORPHIC- SCHIST
ML	MINERAL	ML	MINERAL
MLN	MINERAL- NONSILICATE	MLN	MINERAL- NONSILICATE
MLNC	MINERAL- NONSILICATE- CARBONATES	MLNC	MINERAL- NONSILICATE- CARBONATES
MLNN	MINERAL- NONSILICATE- NATIVE ELEMENTS	MLNN	MINERAL- NONSILICATE- NATIVE ELEMENTS
MLNO	MINERAL- NONSILICATE- OXIDES, HYDROXIDES & HALIDES	MLNO	MINERAL- NONSILICATE- OXIDES, HYDROXIDES & HALIDES
MLNP	MINERAL- NONSILICATE- PHOSPHATES, SULPHATES, ETC.	MLNP	MINERAL- NONSILICATE- PHOSPHATES, SULPHATES, ETC.
MLNS	MINERAL- NONSILICATE- SULPHIDES & SULPHOSALTS	MLNS	MINERAL- NONSILICATE- SULPHIDES & SULPHOSALTS
MLS	MINERAL- SILICATE	MLS	MINERAL- SILICATE
MLSC	MINERAL- SILICATE- CYCLOSILICATES	MLSC	MINERAL- SILICATE- CYCLOSILICATES
MLSCT	MINERAL- SILICATE- CYCLOSILICATES- TOURMALINE	MLSCT	MINERAL- SILICATE- CYCLOSILICATES- TOURMALINE
MLSI	MINERAL- SILICATE- INOSILICATES	MLSI	MINERAL- SILICATE- INOSILICATES
MLSIA	MINERAL- SILICATE- INOSILICATES- AMPHIBOLES	MLSIA	MINERAL- SILICATE- INOSILICATES- AMPHIBOLES
MLSID	MINERAL- SILICATE- INOSILICATES- PYROXENOIDES	MLSIP	MINERAL- SILICATE- INOSILICATES- PYROXENES
MLSIP	MINERAL- SILICATE- INOSILICATES- PYROXENES	MLSID	MINERAL- SILICATE- INOSILICATES- PYROXENOIDES
MLSN	MINERAL- SILICATE- NESOSILICATES	MLSN	MINERAL- SILICATE- NESOSILICATES
MLSNG	MINERAL- SILICATE- NESOSILICATES- GARNETS	MLSNG	MINERAL- SILICATE- NESOSILICATES- GARNETS
MLSP	MINERAL- SILICATE- PHYLLOSILICATES	MLSP	MINERAL- SILICATE- PHYLLOSILICATES
MLSPM	MINERAL- SILICATE- PHYLLOSILICATES- MICAS	MLSPT	MINERAL- SILICATE- PHYLLOSILICATES- CHLORITES
MLSPT	MINERAL- SILICATE- PHYLLOSILICATES- CHLORITES	MLSPY	MINERAL- SILICATE- PHYLLOSILICATES- CLAYS
MLSPY	MINERAL- SILICATE- PHYLLOSILICATES- CLAYS	MLSPM	MINERAL- SILICATE- PHYLLOSILICATES- MICAS
MLSS	MINERAL- SILICATE- SOROSILICATES	MLSS	MINERAL- SILICATE- SOROSILICATES
MLST	MINERAL- SILICATE- TECTOSILICATES	MLST	MINERAL- SILICATE- TECTOSILICATES
MLSTD	MINERAL- SILICATE- TECTOSILICATES- FELDSPATHOIDS	MLSTF	MINERAL- SILICATE- TECTOSILICATES- FELDSPARS
MLSTF	MINERAL- SILICATE- TECTOSILICATES- FELDSPARS	MLSTD	MINERAL- SILICATE- TECTOSILICATES- FELDSPATHOIDS
MLSTZ	MINERAL- SILICATE- TECTOSILICATES- ZEOLITES	MLSTZ	MINERAL- SILICATE- TECTOSILICATES- ZEOLITES
OR	ORE & GOSSANS	OR	ORE & GOSSANS
ORG	ORE & GOSSANS- GOSSANS	ORG	ORE & GOSSANS- GOSSANS
ORN	ORE- NONSULPHIDE	ORN	ORE- NONSULPHIDE
ORNAU	ORE- NONSULPHIDE- GOLD	ORNAU	ORE- NONSULPHIDE- GOLD
ORNFE	ORE- NONSULPHIDE- IRON	ORNFE	ORE- NONSULPHIDE- IRON
ORNMN	ORE- NONSULPHIDE- MANGANESE	ORNMN	ORE- NONSULPHIDE- MANGANESE
ORNSN	ORE- NONSULPHIDE- TIN	ORNSN	ORE- NONSULPHIDE- TIN
ORNU	ORE- NONSULPHIDE- URANIUM	ORNW	ORE- NONSULPHIDE- TUNGSTEN
ORNW	ORE- NONSULPHIDE- TUNGSTEN	ORNU	ORE- NONSULPHIDE- URANIUM
ORS	ORE- SULPHIDE	ORS	ORE- SULPHIDE
ORSAU	ORE- SULPHIDE- GOLD	ORSCU	ORE- SULPHIDE- COPPER
ORSCU	ORE- SULPHIDE- COPPER	ORSAU	ORE- SULPHIDE- GOLD
ORSNI	ORE- SULPHIDE- NICKEL	ORSPB	ORE- SULPHIDE- LEAD
ORSPB	ORE- SULPHIDE- LEAD	ORSNI	ORE- SULPHIDE- NICKEL
ORSPY	ORE- SULPHIDE- PYRITE	ORSPY	ORE- SULPHIDE- PYRITE
ORSZN	ORE- SULPHIDE- ZINC	ORSZN	ORE- SULPHIDE- ZINC
S	SEDIMENTARY-	S	SEDIMENTARY-
SA	SEDIMENTARY- ALLUVIUM & UNCONSOLIDATED	SA	SEDIMENTARY- ALLUVIUM & UNCONSOLIDATED
SACL	SEDIMENTARY- ALLUVIUM & UNCONSOLIDATED- CLAY	SACL	SEDIMENTARY- ALLUVIUM & UNCONSOLIDATED- CLAY

## GENERIC TYPE

SAGR	SEDIMENTARY- ALLUVIUM & UNCONSOLIDATED- GRAVEL		SAGR	SEDIMENTARY- ALLUVIUM & UNCONSOLIDATED- GRAVEL
SASA	SEDIMENTARY- ALLUVIUM & UNCONSOLIDATED- SAND		SASA	SEDIMENTARY- ALLUVIUM & UNCONSOLIDATED- SAND
SASI	SEDIMENTARY- ALLUVIUM & UNCONSOLIDATED- SILT		SASI	SEDIMENTARY- ALLUVIUM & UNCONSOLIDATED- SILT
SC	SEDIMENTARY- CARBONATES & CHEMICAL SEDIMENTS		SCA	SEDIMENTARY- CARBONATES
SCA	SEDIMENTARY- CARBONATES		SC	SEDIMENTARY- CARBONATES & CHEMICAL SEDIMENTS
SCADO	SEDIMENTARY- CARBONATES- DOLOMITE		SCADO	SEDIMENTARY- CARBONATES- DOLOMITE
SCALI	SEDIMENTARY- CARBONATES- LIMESTONES		SCALI	SEDIMENTARY- CARBONATES- LIMESTONES
SCAMG	SEDIMENTARY- CARBONATES- MAGNESITE		SCAMG	SEDIMENTARY- CARBONATES- MAGNESITE
SCH	SEDIMENTARY- CHEMICAL SEDIMENTS		SCH	SEDIMENTARY- CHEMICAL SEDIMENTS
SCHCH	SEDIMENTARY- CHEMICAL SEDIMENTS- CHERT		SCHIF	SEDIMENTARY- CHEMICAL SEDIMENTS- BIF
SCHEV	SEDIMENTARY- CHEMICAL SEDIMENTS- EVAPORITE		SCHCH	SEDIMENTARY- CHEMICAL SEDIMENTS- CHERT
SCHIF	SEDIMENTARY- CHEMICAL SEDIMENTS- BIF		SCHEV	SEDIMENTARY- CHEMICAL SEDIMENTS- EVAPORITE
SG	SEDIMENTARY- GLACIOGENE		SG	SEDIMENTARY- GLACIOGENE
SGTL	SEDIMENTARY- GLACIOGENE- TILL		SGTL	SEDIMENTARY- GLACIOGENE- TILL
SGTLT	SEDIMENTARY- GLACIOGENE- TILLITE		SGTLT	SEDIMENTARY- GLACIOGENE- TILLITE
SO	SOIL		SS	SEDIMENTARY- SILICICLASTIC
SOA	SOIL- AEOLIANITE		SSA	SEDIMENTARY- SILICICLASTIC- ARENITE
SOB	SOIL- BAUXITE		SSAA	SEDIMENTARY- SILICICLASTIC- ARENITE- ARKOSE
SOC	SOIL- COLLUVIUM		SSAG	SEDIMENTARY- SILICICLASTIC- ARENITE- GREYWACKE
SOE	SOIL- ELUVIUM		SSAW	SEDIMENTARY- SILICICLASTIC- ARENITE- WACKE
SOF	SOIL- FERRICRETE/LATERITE		SSL	SEDIMENTARY- SILICICLASTIC- LUTITE-
SOS	SOIL- SILCRETE		SSLM	SEDIMENTARY- SILICICLASTIC- LUTITE- MUDSTONE
SS	SEDIMENTARY- SILICICLASTIC		SSLSH	SEDIMENTARY- SILICICLASTIC- LUTITE- SHALE
SSA	SEDIMENTARY- SILICICLASTIC- ARENITE		SSLSI	SEDIMENTARY- SILICICLASTIC- LUTITE- SILTSTONE
SSAA	SEDIMENTARY- SILICICLASTIC- ARENITE- ARKOSE		SSR	SEDIMENTARY- SILICICLASTIC- RUDITE
SSAG	SEDIMENTARY- SILICICLASTIC- ARENITE- GREYWACKE		SSRB	SEDIMENTARY- SILICICLASTIC- RUDITE- BRECCIA
SSAW	SEDIMENTARY- SILICICLASTIC- ARENITE- WACKE		SSRC	SEDIMENTARY- SILICICLASTIC- RUDITE- CONGLOMERATE
SSL	SEDIMENTARY- SILICICLASTIC- LUTITE-		SV	SEDIMENTARY- VOLCANICLASTIC
SSLM	SEDIMENTARY- SILICICLASTIC- LUTITE- MUDSTONE		SVT	SEDIMENTARY- VOLCANICLASTIC-TUFF
SSLSH	SEDIMENTARY- SILICICLASTIC- LUTITE- SHALE		SO	SOIL
SSLSI	SEDIMENTARY- SILICICLASTIC- LUTITE- SILTSTONE		SOA	SOIL- AEOLIANITE
SSR	SEDIMENTARY- SILICICLASTIC- RUDITE		SOB	SOIL- BAUXITE
SSRB	SEDIMENTARY- SILICICLASTIC- RUDITE- BRECCIA		SOC	SOIL- COLLUVIUM
SSRC	SEDIMENTARY- SILICICLASTIC- RUDITE- CONGLOMERATE		SOE	SOIL- ELUVIUM
SV	SEDIMENTARY- VOLCANICLASTIC		SOF	SOIL- FERRICRETE/LATERITE
SVT	SEDIMENTARY- VOLCANICLASTIC-TUFF		SOS	SOIL- SILCRETE
VE	VEGETATION & LITTER		VE	VEGETATION & LITTER
WA	WATER		WA	WATER

## MINERALS

AB	ALBITE		ACM	ACMITE
ACM	ACMITE		ACT	ACTINOLITE
ACT	ACTINOLITE		AGT	AEGIRINE-AUGITE
ADR	ANDRADITE		AK	AKERMANITE
AGT	AEGIRINE-AUGITE		AB	ALBITE
AK	AKERMANITE		ALN	ALLANITE
ALM	ALMANDINE		ALM	ALMANDINE
ALN	ALLANITE		AM	AMPHIBOLE (QV CLINO-, ORTHO-)
AM	AMPHIBOLE (QV CLINO-, ORTHO-)		ANL	ANALCITE (ANALCIME)
AN	ANORTHITE		ANT	ANATASE
AND	ANDALUSITE		AND	ANDALUSITE
ANH	ANHYDRITE		ADR	ANDRADITE
ANK	ANKERITE		ANH	ANHYDRITE
ANL	ANALCITE (ANALCIME)		ANK	ANKERITE
ANN	ANNITE		ANN	ANNITE
ANT	ANATASE		AN	ANORTHITE
AP	APATITE		ATH	ANTHOPHYLLITE
APO	APOPHYLLITE		ATG	ANTIGORITE
APY	ARSENOPYRITE		AP	APATITE
ARF	ARFVEDSONITE		APO	APOPHYLLITE
ARG	ARAGONITE		ARG	ARAGONITE
ATG	ANTIGORITE		ARF	ARFVEDSONITE
ATH	ANTHOPHYLLITE		APY	ARSENOPYRITE
AUG	AUGITE		AUG	AUGITE
AX	AXINITE		AX	AXINITE
BHM	BOEHMITE		BRT	BARITE
BN	BORNITE		BRL	BERYL
BRC	BRUCITE		BT	BIOTITE
BRK	BROOKITE		BHM	BOEHMITE
BRL	BERYL		BN	BORNITE
BRT	BARITE		BRK	BROOKITE
BST	BUSTAMITE		BRC	BRUCITE
BT	BIOTITE		BST	BUSTAMITE
CAL	CALCITE		CAL	CALCITE
CAM	CLINOAMPHIBOLE (CA)		CCN	CANCRINITE
CBZ	CHABAZITE		CRN	CARNEGIEITE
CC	CHALCOCITE		CST	CASSITERITE
CCL	CHRYSOCOLLA		CLS	CELESTITE
CCN	CANCRINITE		CBZ	CHABAZITE
CCP	CHALCOPYRITE		CC	CHALCOCITE
CEN	CLINOENSTATITE		CCP	CHALCOPYRITE
CFS	CLINOFERROSILITE		CHL	CHLORITE
CHL	CHLORITE		CLD	CHLORITOID
CHN	CHONDRODITE		CHN	CHONDRODITE
CHR	CHROMITE		CHR	CHROMITE
CHU	CLINOHUMITE		CCL	CHRYSOCOLLA
CLD	CHLORITOID		CTL	CHRYSTILE
CLS	CELESTITE		CAM	CLINOAMPHIBOLE (CA)
CPX	CLINOPYROXENE (CA)		CEN	CLINOENSTATITE
CRD	CORDIERITE		CFS	CLINOFERROSILITE
CRN	CARNEGIEITE		CHU	CLINOHUMITE
CRN	CORUNDUM		CPX	CLINOPYROXENE (CA)
CRS	CRISTOBALLITE		CZO	CLINOZOISITE
CST	CASSITERITE		CRD	CORDIERITE

## MINERALS

CTL	CHRYSTILE	CRN	CORUNDUM
CUM	CUMMINGTONITE	CV	COVELLITE
CUP	CUPRITE	CRS	CRISTOBALLITE
CV	COVELLITE	CUM	CUMMINGTONITE
CZO	CLINOZOISITE	CUP	CUPRITE
DG	DIGINITE	DSP	DIASPORE
DI	DIOPSIDE	DG	DIGINITE
DOL	DOLOMITE	DI	DIOPSIDE
DRV	DRAVITE	DOL	DOLOMITE
DSP	DIASPORE	DRV	DRAVITE
ECK	ECKERMANNITE	ECK	ECKERMANNITE
ED	EDENITE	ED	EDENITE
ELB	ELBAITE	ELB	ELBAITE
EN	ENSTATITE (ORTHO)	EN	ENSTATITE (ORTHO)
EP	EPIDOTE	EP	EPIDOTE
FA	FAYALITE	FST	FASSITE
FAC	FERROACTINOLITE	FA	FAYALITE
FED	FERROEDENITE	FSP	FELDSPAR
FL	FLUORITE	FSD	FELDSPATHOID
FO	FORSTERITE	FAC	FERROACTINOLITE
FS	FERROSILITE (ORTHO)	FED	FERROEDENITE
FSD	FELDSPATHOID	FS	FERROSILITE (ORTHO)
FSP	FELDSPAR	FTS	FERROTSCHERMAKITE
FST	FASSITE	FL	FLUORITE
FTS	FERROTSCHERMAKITE	FO	FORSTERITE
GBS	GIBBSITE	GN	GALENA
GED	GEDRITE	GRT	GARNET
GH	GEHLENITE	GED	GEDRITE
GLN	GLAUCOPHANE	GH	GEHLENITE
GLT	GLAUCONITE	GBS	GIBBSITE
GN	GALENA	GLT	GLAUCONITE
GP	GYPSUM	GLN	GLAUCOPHANE
GR	GRAPHITE	GT	GOETHITE
GRS	GROSSULARITE	GR	GRAPHITE
GRT	GARNET	GRS	GROSSULARITE
GRU	GRUNERITE	GRU	GRUNERITE
GT	GOETHITE	GP	GYPSUM
HBL	HORNLENDE	HL	HALITE
HC	HERCYNITE	HS	HASTINGSITE
HD	HEDENBERGITE	HYN	HAUYNE
HEM	HEMATITE	HZ	HEAZLEWOODITE
HL	HALITE	HD	HEDENBERGITE
HS	HASTINGSITE	HEM	HEMATITE
HU	HUMITE	HC	HERCYNITE
HUL	HEULANDITE	HUL	HEULANDITE
HYN	HAUYNE	HBL	HORNLENDE
HZ	HEAZLEWOODITE	HU	HUMITE
ILL	ILLITE	ILL	ILLITE
ILM	ILMENITE	ILM	ILMENITE
JD	JADEITE	JD	JADEITE
JH	JOHANNSENITE	JH	JOHANNSENITE
KFS	K FELDSPAR	KFS	K FELDSPAR
KLN	KAOLINITE	KRS	KAERSUTITE
KLS	KALSILITE	KLS	KALSILITE

## MINERALS

KRN	KORNERUPINE	KLN	KAOLINITE
KRS	KAERSUTITE	KTP	KATAPHORITE
KTP	KATAPHORITE	KRN	KORNERUPINE
KY	KYANITE	KY	KYANITE
LCT	LEUCITE	LMT	LAUMONTITE
LM	LIMONITE	LWS	LAWSONITE
LMT	LAUMONTITE	LPD	LEPIDOLITE
LO	LOELLINGITE	LCT	LEUCITE
LPD	LEPIDOLITE	LM	LIMONITE
LWS	LAWSONITE	LZ	LIZARDITE
LZ	LIZARDITE	LO	LOELLINGITE
MAG	MAGNETITE	MGH	MAGHEMITE
MC	MICROCLINE	MKT	MAGNESIOKATOPHORITE
MC	MARCASITE	MRB	MAGNESIORIEBECKITE
MEL	MELILITE	MGS	MAGNESITE
MGH	MAGHEMITE	MAG	MAGNETITE
MGS	MAGNESITE	MC	MARCASITE
MI	MICA	MRG	MARGARITE
MKT	MAGNESIOKATOPHORITE	MEL	MELILITE
MNT	MONTMORILLONITE	MI	MICA
MNZ	MONAZITE	MC	MICROCLINE
MO	MOLYBDENITE	MO	MOLYBDENITE
MRB	MAGNESIORIEBECKITE	MNZ	MONAZITE
MRG	MARGARITE	MTC	MONTICELLITE
MS	MUSCOVITE	MNT	MONTMORILLONITE
MTC	MONTICELLITE	MUL	MULLITE
MUL	MULLITE	MS	MUSCOVITE
NE	NEPHELINE	NTR	NATROLITE
NRB	NORBERGITE	NE	NEPHELINE
NSN	NOSEAN	NRB	NORBERGITE
NTR	NATROLITE	NSN	NOSEAN
OAM	ORTHOAMPHIBOLE	OL	OLIVINE
OL	OLIVINE	OMP	OMPHACITE
OMP	OMPHACITE	OPA	OPAL
OPA	OPAL	OAM	ORTHOAMPHIBOLE
OPX	ORTHOPYROXENE	OR	ORTHOCLASE
OR	ORTHOCLASE	OPX	ORTHOPYROXENE
PCT	PECTOLITE	PG	PARAGONITE
PEN	PROTOENSTATITE	PRG	PARGASITE
PER	PERICLASE	PCT	PECTOLITE
PG	PARAGONITE	PN	PENTLANDITE
PGT	PIGEONITE	PER	PERICLASE
PHL	PHLOGOPHITE	PRV	PEROVSKITE
PL	PLAGIOCLASE	PHL	PHLOGOPHITE
PMP	PUMPELLYITE	PGT	PIGEONITE
PN	PENTLANDITE	PL	PLAGIOCLASE
PO	PYRRHOTITE	PRH	PREHNITE
PRG	PARGASITE	PEN	PROTOENSTATITE
PRH	PREHNITE	PMP	PUMPELLYITE
PRL	PYROPHYLLITE	PY	PYRITE
PRP	PYROPE	PRP	PYROPE
PRV	PEROVSKITE	PRL	PYROPHYLLITE
PX	PYROXENE (QV CLINO-, ORTHO)	PX	PYROXENE (QV CLINO-, ORTHO)
PY	PYRITE	PO	PYRRHOTITE

## MINERALS

QTZ	QUARTZ		QTZ	QUARTZ
RBK	RIEBECKITE		RDS	RHODOCHROSITE
RDN	RHODONITE		RDN	RHODONITE
RDS	RHODOCHROSITE		RBK	RIEBECKITE
RT	RUTILE		RT	RUTILE
SA	SANIDINE		SA	SANIDINE
SCP	SCAPOLITE		SPR	SAPPHIRINE
SD	SIDERITE		SCP	SCAPOLITE
SDL	SODALITE		SRL	SCHORL
SER	SERICITE		SER	SERICITE
SIL	SILLIMANITE		SRP	SERPENTINE
SP	SPHALERITE		SD	SIDERITE
SPD	SPODUMENE		SIL	SILLIMANITE
SPL	SPINEL		SDL	SODALITE
SPN	SPHENE		SPS	SPESSARTINE
SPR	SAPPHIRINE		SP	SPHALERITE
SPS	SPESSARTINE		SPN	SPHENE
SRL	SCHORL		SPL	SPINEL
SRP	SERPENTINE		SPD	SPODUMENE
ST	STAUROLITE		ST	STAUROLITE
STB	STILBITE		STB	STILBITE
STP	STILPNOMELANE		STP	STILPNOMELANE
STR	STRONTIANITE		STR	STRONTIANITE
TLC	TALC		TLC	TALC
TMP	THOMPSONITE		TMP	THOMPSONITE
TOZ	TOPAZ		TTN	TITANITE (SPHENE)
TR	TREMOLITE		TOZ	TOPAZ
TRD	TRIDYMIT		TUR	TOURMALINE
TRO	TROILITE		TR	TREMOLITE
TS	TSCHERMAKITE		TRD	TRIDYMIT
TTN	TITANITE (SPHENE)		TRO	TROILITE
TUR	TOURMALINE		TS	TSCHERMAKITE
USO	ULVOSPINEL		USO	ULVOSPINEL
VES	VESUVIANITE		VRM	VERMICULITE
VIO	VIOLARITE		VES	VESUVIANITE
VRM	VERMICULITE		VIO	VIOLARITE
WF	WOLFRAMITE		WTH	WITHERITE
WO	WOLLASTONITE		WF	WOLFRAMITE
WTH	WITHERITE		WO	WOLLASTONITE
WUS	WUSTITE		WUS	WUSTITE
ZE	ZEOLITE		ZE	ZEOLITE
ZO	ZOISITE		ZRN	ZIRCON
ZRN	ZIRCON		ZO	ZOISITE

## MODIFIERS

ACIC	ACICULAR		ACIC	ACICULAR
ACID	ACIDIC		ACID	ACIDIC
AG	ARGENTIFEROUS		ALGA	ALGAL
AL	ALUMINOUS		ALK	ALKALINE
ALGA	ALGAL		ALLU	ALLUVIAL
ALK	ALKALINE		ALTD	ALTERED
ALLU	ALLUVIAL		AL	ALUMINOUS
ALTD	ALTERED		AMYG	AMYGDALOIDAL
AMYG	AMYGDALOIDAL		ANDE	ANDESITIC
ANDE	ANDESITIC		SB	ANTIMONOAN
AREN	ARENACEOUS		AREN	ARENACEOUS
ARGI	ARGILLACEOUS		AG	ARGENTIFEROUS
ARKO	ARKOSIC		ARGI	ARGILLACEOUS
AU	AURIFEROUS		ARKO	ARKOSIC
AUGE	AUGEN		AUGE	AUGEN
BA	BARIAN		AU	AURIFEROUS
BAKE	BAKED		BAKE	BAKED
BAND	BANDED		BAND	BANDED
BASI	BASIC		BA	BARIAN
BEDD	BEDDED		BSAL	BASAL
BI	BISMUTHIAN		BSTC	BASALTIC
BLAC	BLACK		BASI	BASIC
BLAD	BLADED		BEDD	BEDDED
BLUE	BLUE		BI	BISMUTHIAN
BREC	BRECCIATED		BLAC	BLACK
BROW	BROWN		BLAD	BLADED
BRYO	BRYOZOAN		BLUE	BLUE
BSAL	BASAL		BREC	BRECCIATED
BSTC	BASALTIC		BROW	BROWN
BUFF	BUFF		BRYO	BRYOZOAN
C	CARBONACEOUS		BUFF	BUFF
CA	CALCIAN		CASI	CALC-SILICATE
CALC	CALCAREOUS		CALC	CALCAREOUS
CASI	CALC-SILICATE		CA	CALCIAN
CGND	COARSE GRAINED		C	CARBONACEOUS
CHCD	CHALCEDONIC		CO3	CARBONATED
CHER	CHERTY		CHCD	CHALCEDONIC
CLAS	CLASTIC		CHER	CHERTY
CLAY	CLAYEY		CR	CHROMIAN
CLLS	COLOURLESS		CLAS	CLASTIC
CO	COBALTIAN		CLAY	CLAYEY
CO3	CARBONATED		CGND	COARSE GRAINED
COLL	COLLOFORM		CO	COBALTIAN
COLM	COLUMNAR		COLL	COLLOFORM
CONG	CONGLOMERATIC		CLLS	COLOURLESS
CR	CHROMIAN		COLM	COLUMNAR
CREM	CREAM		CONG	CONGLOMERATIC
CREN	CRENULATED		CREM	CREAM
CRIN	CRINOIDAL		CREN	CRENULATED
CRYP	CRYPTOCRYSTALLINE		CRIN	CRINOIDAL
CRYS	CRYSTALLINE		XBED	CROSSBEDDED
CU	CUPRIFEROUS/CUPRIAN		CRYP	CRYPTOCRYSTALLINE
DACI	DACITIC		CRYS	CRYSTALLINE
DEND	DENDRITIC		CU	CUPRIFEROUS/CUPRIAN

## MODIFIERS

DEVI	DEVITRIFIED	DACI	DACITIC
DRUS	DRUSY	DEND	DENDRITIC
EPIC	EPICLASTIC	DEVI	DEVITRIFIED
FE	FEROAN/FERRIC/FERRUGINOUS, ETC	DRUS	DRUSY
FELS	FELSITIC	EPIC	EPICLASTIC
FENE	FENESTRAL	FELS	FELSITIC
FGND	FINE GRAINED	FENE	FENESTRAL
FIBR	FIBROUS	FE	FEROAN/FERRIC/FERRUGINOUS, ETC
FOLI	FOLIATED	FIBR	FIBROUS
FORA	FORAMENIFERAL	FGND	FINE GRAINED
FOSS	FOSSILIFEROUS	FOLI	FOLIATED
FRIA	FRIABLE	FORA	FORAMENIFERAL
GEOD	GEODE	FOSS	FOSSILIFEROUS
GLAS	GLASSY	FRIA	FRIABLE
GLOM	GLOMEROPORPHYRITIC	GEOD	GEODE
GNDI	GRANODIORITIC	GLAS	GLASSY
GNEI	GNEISSIC	GLOM	GLOMEROPORPHYRITIC
GPHC	GRAPHIC	GNEI	GNEISSIC
GPHY	GRANOPHYRIC	GRAD	GRADED
GRAD	GRADED	GRNT	GRANITIC
GREE	GREEN	GNDI	GRANODIORITIC
GREI	GREISENISED	GPHY	GRANOPHYRIC
GREY	GREY	GRNL	GRANULAR
GRIT	GRITTY	GPHC	GRAPHIC
GRNL	GRANULAR	GREE	GREEN
GRNT	GRANITIC	GREI	GREISENISED
HFLS	HORNFELSED	GREY	GREY
HYBR	HYBRID	GRIT	GRITTY
IGNI	IGNIMBRITIC	HFLS	HORNFELSED
INDU	INDURATED	HYBR	HYBRID
INFM	INTRAFORMATIONAL	IGNI	IGNIMBRITIC
INTG	INTERGRANULAR	INDU	INDURATED
INTM	INTERMEDIATE	INTG	INTERGRANULAR
K	POTASSIC	INTM	INTERMEDIATE
KNOT	KNOTTED	INFM	INTRAFORMATIONAL
LAPI	LAPILLI	KNOT	KNOTTED
LEUC	LEUCOCRATIC	LAPI	LAPILLI
LITH	LITHIFIED	LEUC	LEUCOCRATIC
LTHC	LITHIC	LTHC	LITHIC
MAFI	MAFIC	LITH	LITHIFIED
MARO	MAROON	MAFI	MAFIC
MASS	MASSIVE	MG	MAGNESIAN
MELA	MELANOCRATIC	MN	MANGANOAN/MANGANIFEROUS
META	META	MARO	MAROON
MG	MAGNESIAN	MASS	MASSIVE
MGND	MEDIUM GRAINED	MGND	MEDIUM GRAINED
MIAR	MIAROLITIC	MELA	MELANOCRATIC
MICR	MICRO-	META	META
MN	MANGANOAN/MANGANIFEROUS	MIAR	MIAROLITIC
MSRT	MODERATELY SORTED	MICR	MICRO-
NI	NICKELIFEROUS	MSRT	MODERATELY SORTED
NODU	NODULAR	NI	NICKELIFEROUS
OOLI	OOLITIC	NODU	NODULAR
OPAQ	OPAQUE	OOLI	OOLITIC

## MODIFIERS

ORAN	ORANGE	OPAQ	OPAQUE
P	PHOSPHATIC/PHOSPHORIAN	ORAN	ORANGE
PB	PLUMBIAN	PEBB	PEBBLY
PBST	PORPHYROBLASTIC	PEGM	PEGMATITIC
PEBB	PEBBLY	PELI	PELITIC
PEGM	PEGMATITIC	PERT	PERTHITIC
PELI	PELITIC	P	PHOSPHATIC/PHOSPHORIAN
PERT	PERTHITIC	PHYL	PHYLLITIC
PHYL	PHYLLITIC	PHYR	PHYRIC
PHYR	PHYRIC	PICR	PICRITIC
PICR	PICRITIC	PILL	PILLOW
PILL	PILLOW	PINK	PINK
PINK	PINK	PB	PLUMBIAN
PORP	PORPHYRITIC	PSRT	POORLY SORTED
PRIS	PRISMATIC	PORP	PORPHYRITIC
PSAM	PSAMMITIC	PBST	PORPHYROBLASTIC
PSEU	PSEUDOMORPH	K	POTASSIC
PSPE	PSAMMOPELITIC	PRIS	PRISMATIC
PSRT	POORLY SORTED	PSAM	PSAMMITIC
PUMI	PUMICEOUS	PSPE	PSAMMOPELITIC
PURP	PURPLE	PSEU	PSEUDOMORPH
QTZT	QUARTZITIC	PUMI	PUMICEOUS
RADI	RADIATING	PURP	PURPLE
RED	RED	QTZT	QUARTZITIC
REXD	RECRYSTALLISED	RADI	RADIATING
RHYO	RHYOLITIC	REXD	RECRYSTALLISED
RUDA	RUDACEOUS	RED	RED
SAND	SANDY	RHYO	RHYOLITIC
SB	ANTIMONOAN	RUDA	RUDACEOUS
SCHI	SCHISTOSE	SAND	SANDY
SCOR	SCORIACEOUS	SCHI	SCHISTOSE
SECO	SECONDARY	SCOR	SCORIACEOUS
SHAL	SHALEY	SECO	SECONDARY
SI	SILICEOUS	SHAL	SHALEY
SILT	SILTY	SI	SILICEOUS
SN	STANNIFEROUS	SILT	SILTY
SO4	SULPHATIC	SPHE	SPHERULITIC
SPHE	SPHERULITIC	SPIL	SPILITIC
SPIL	SPILITIC	SPOT	SPOTTED
SPOT	SPOTTED	STAL	STALACTITIC
STAL	STALACTITIC	SN	STANNIFEROUS
STRO	STROMATOLITIC	STRO	STROMATOLITIC
SX	SULPHIDIC	SO4	SULPHATIC
SYEN	SYENITIC	SX	SULPHIDIC
TABU	TABULAR	SYEN	SYENITIC
THOL	THOLEIITIC	TABU	TABULAR
TILL	TILLITIC	THOL	THOLEIITIC
TRAC	TRACHYITIC	TILL	TILLITIC
TUFF	TUFFACEOUS	TRAC	TRACHYITIC
TWIN	TWINNED	TUFF	TUFFACEOUS
U	URANIFEROUS	TWIN	TWINNED
URAL	URALITISED	URAL	URALITISED
VARV	VARVED	U	URANIFEROUS
VEIN	VEIN	VARV	VARVED

## MODIFIERS

VESI	VESICULAR		VEIN	VEIN
VITR	VITRIC		VESI	VESICULAR
VOCL	VOLCANICLASTIC		VITR	VITRIC
VOLC	VOLCANIC		VOLC	VOLCANIC
VUG	VUGGY		VOCL	VOLCANICLASTIC
WELD	WELDED		VUG	VUGGY
WHIT	WHITE		WTHD	WEATHERED
WSRT	WELL SORTED		WELD	WELDED
WTHD	WEATHERED		WSRT	WELL SORTED
XBED	CROSSBEDDED		WHIT	WHITE
YELL	YELLOW		YELL	YELLOW

	AGE
C	CAINOZOIC (UNDIFFERENTIATED)
Q	-QUATERNARY (UNDIFFERENTIATED)
QR	-RECENT
QP	-PLEISTOCENE
QPL	-LATE
QPM	-MIDDLE
QPE	-EARLY
T	-TERTIARY (UNDIFFERENTIATED)
TPL	-PLIOCENE
TPLL	-LATE
TPLM	-MIDDLE
TPLE	-EARLY
TMI	-MIOCENE
TMIL	-LATE
TMIM	-MIDDLE
TMIE	-EARLY
TOL	-OLIGOCENE
TOLL	-LATE
TOLM	-MIDDLE
TOLE	-EARLY
TEO	-EOCENE
TEOL	-LATE
TEOM	-MIDDLE
TEOE	-EARLY
TPA	-PALAEOCENE
TPAL	-LATE
TPAM	-MIDDLE
TPAE	-EARLY
M	MESOZOIC (UNDIFFERENTIATED)
MC	-CRETACEOUS
MCL	-LATE
MCM	-MIDDLE
MCE	-EARLY
MJ	-JURASSIC
MJL	-LATE
MJM	-MIDDLE
MJE	-EARLY
MT	-TRIASSIC
MTL	-LATE
MTM	-MIDDLE
MTE	-EARLY
PZ	PALAEOZOIC (UNDIFFERENTIATED)
PZP	-PERMIAN
PZPL	-LATE
PZPM	-MIDDLE
PZPE	-EARLY
PZF	-CARBONIFEROUS
PZFL	-LATE
PZFM	-MIDDLE
PZFE	-EARLY
PZD	-DEVONIAN
PZDL	-LATE
PZDM	-MIDDLE
PZDE	-EARLY

	AGE
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PZS	-SILURIAN
PZSL	-LATE
PZSM	-MIDDLE
PZSE	-EARLY
PZO	-ORDOVICIAN
PZOL	-LATE
PZOM	-MIDDLE
PZOE	-EARLY
PZC	-CAMBRIAN
PZCL	-LATE
PZCM	-MIDDLE
PZCE	-EARLY
PR	PRECAMBRIAN (UNDIFFERENTIATED)
PRP	-PROTEROZOIC
PRPL	-LATE
PRPM	-MIDDLE
PRPE	-EARLY
PRA	-ARCHAEAN
PT	PERMO-TRIASSIC
PC	PERMO-CARBONIFEROUS
SD	SILURO-DEVONIAN
CO	CAMBRO-ORDOVICIAN
EC	EOCAMBRIAN

## ROCK UNITS

D	DEVONIAN GRANITOIDS (MISCELLANEOUS)		D	DEVONIAN GRANITOIDS (MISCELLANEOUS)
DBT	DEVONIAN GRANITOIDS- BLUE TIER BATHOLITH		DBT	DEVONIAN GRANITOIDS- BLUE TIER BATHOLITH
DCB	DEVONIAN GRANITOIDS- COLES BAY GRANITE		DCB	DEVONIAN GRANITOIDS- COLES BAY GRANITE
DED	DEVONIAN GRANITOIDS- EDDYSTONE BATHOLITH		DED	DEVONIAN GRANITOIDS- EDDYSTONE BATHOLITH
DGT	DEVONIAN GRANITOIDS- GRANITE TOR		DGT	DEVONIAN GRANITOIDS- GRANITE TOR
DHE	DEVONIAN GRANITOIDS- HEEMSKIRK GRANITE		DHE	DEVONIAN GRANITOIDS- HEEMSKIRK GRANITE
DHO	DEVONIAN GRANITOIDS- HOUSETOP GRANITE		DHO	DEVONIAN GRANITOIDS- HOUSETOP GRANITE
DME	DEVONIAN GRANITOIDS- MEREDITH GRANITE		DME	DEVONIAN GRANITOIDS- MEREDITH GRANITE
DPI	DEVONIAN GRANITOIDS- PIEMAN GRANITE		DPI	DEVONIAN GRANITOIDS- PIEMAN GRANITE
DSC	DEVONIAN GRANITOIDS- SCOTTSDALE BATHOLITH		DSC	DEVONIAN GRANITOIDS- SCOTTSDALE BATHOLITH
E	PRECAMBRIAN SEQUENCES (MISCELLANEOUS)		MA	MATHINNA BEDS
EB	PRECAMBRIAN- BADGER HEAD REGION		MR	MOUNT READ VOLCANICS AND CORRELATES (UNDIFFERENTIATED)
ED	PRECAMBRIAN- DUNDAS TROUGH		MRG	MOUNT READ VOLCANICS CORRELATES- CAMBRIAN GRANITES
EDC	PRECAMBRIAN- DUNDAS TROUGH-CRIMSON CREEK FORMATION		MRP	MOUNT READ VOLCANICS CORRELATES- DUNDAS GROUP
EDS	PRECAMBRIAN- DUNDAS TROUGH-SUCCESS CREEK GROUP		MRI	MOUNT READ VOLCANICS CORRELATES- INTRUSIVE PORPHYRIES
EF	PRECAMBRIAN- FORTH REGION		MRI	MOUNT READ VOLCANICS CORRELATES- MAFIC-INTM. INTRUSIVES
EFF	PRECAMBRIAN- FORTH REGION-FORTH METAMORPHIC COMPLEX		MRP	MOUNT READ VOLCANICS CORRELATES- STICHT RANGE BEDS
EFU	PRECAMBRIAN- FORTH REGION-ULVERSTONE METAMORPHIC COMPLEX		MRC	MOUNT READ VOLCANICS- CENTRAL SEQUENCE (KING RIVER ASS.)
EJ	PRECAMBRIAN- JUBILEE REGION		MRF	MOUNT READ VOLCANICS- FARRELL SLATES
EK	PRECAMBRIAN- KING ISLAND REGION		MRM	MOUNT READ VOLCANICS- MURCHISON VOLCANICS
ER	PRECAMBRIAN- ROCKY CAPE REGION		MRT	MOUNT READ VOLCANICS- TYNDALL GROUP (FISH CK. ASS.)
ERA	PRECAMBRIAN- ROCKY CAPE REGION- ARTHUR METAMORPHIC COMPLEX		MRW	MOUNT READ VOLCANICS- WESTERN SEQUENCE (LYNCHFORD ASS.)
ERB	PRECAMBRIAN- ROCKY CAPE REGION- BURNIE FORMATION		P	PARMEENER SUPERGROUP
ERO	PRECAMBRIAN- ROCKY CAPE REGION- OONAH FORMATION		PL	PARMEENER SUPERGROUP-LOWER
ERR	PRECAMBRIAN- ROCKY CAPE REGION- ROCKY CAPE GROUP		PLF	PARMEENER SUPERGROUP-LOWER FRESHWATER SEQUENCE
ES	PRECAMBRIAN- SMITHTON BASIN		PLG	PARMEENER SUPERGROUP-LOWER GLACIOMARINE SEQUENCE
ET	PRECAMBRIAN- TYENNAN REGION		PU	PARMEENER SUPERGROUP-UPPER
ETD	PRECAMBRIAN- TYENNAN REGION-DOVE METAMORPHIC COMPLEX		PUF	PARMEENER SUPERGROUP-UPPER FRESHWATER SEQUENCE
ETS	PRECAMBRIAN- TYENNAN REGION-STRATHGORDON METAMORPHIC COMPLEX		PUG	PARMEENER SUPERGROUP-UPPER GLACIOMARINE SEQUENCE
MA	MATHINNA BEDS		E	PRECAMBRIAN SEQUENCES (MISCELLANEOUS)
MR	MOUNT READ VOLCANICS AND CORRELATES (UNDIFFERENTIATED)		EB	PRECAMBRIAN- BADGER HEAD REGION
MRC	MOUNT READ VOLCANICS- CENTRAL SEQUENCE (KING RIVER ASS.)		ED	PRECAMBRIAN- DUNDAS TROUGH
MRF	MOUNT READ VOLCANICS- FARRELL SLATES		EDC	PRECAMBRIAN- DUNDAS TROUGH-CRIMSON CREEK FORMATION
MRG	MOUNT READ VOLCANICS CORRELATES- CAMBRIAN GRANITES		EDS	PRECAMBRIAN- DUNDAS TROUGH-SUCCESS CREEK GROUP
MRI	MOUNT READ VOLCANICS CORRELATES- MAFIC-INTM. INTRUSIVES		EF	PRECAMBRIAN- FORTH REGION
MRI	MOUNT READ VOLCANICS CORRELATES- INTRUSIVE PORPHYRIES		EFF	PRECAMBRIAN- FORTH REGION-FORTH METAMORPHIC COMPLEX
MRM	MOUNT READ VOLCANICS- MURCHISON VOLCANICS		EFU	PRECAMBRIAN- FORTH REGION-ULVERSTONE METAMORPHIC COMPLEX
MRP	MOUNT READ VOLCANICS CORRELATES- DUNDAS GROUP		EJ	PRECAMBRIAN- JUBILEE REGION
MRP	MOUNT READ VOLCANICS CORRELATES- STICHT RANGE BEDS		EK	PRECAMBRIAN- KING ISLAND REGION
MRT	MOUNT READ VOLCANICS- TYNDALL GROUP (FISH CK. ASS.)		ER	PRECAMBRIAN- ROCKY CAPE REGION
MRW	MOUNT READ VOLCANICS- WESTERN SEQUENCE (LYNCHFORD ASS.)		ERA	PRECAMBRIAN- ROCKY CAPE REGION- ARTHUR METAMORPHIC COMPLEX
P	PARMEENER SUPERGROUP		ERB	PRECAMBRIAN- ROCKY CAPE REGION- BURNIE FORMATION
PL	PARMEENER SUPERGROUP-LOWER		ERO	PRECAMBRIAN- ROCKY CAPE REGION- OONAH FORMATION
PLF	PARMEENER SUPERGROUP-LOWER FRESHWATER SEQUENCE		ERR	PRECAMBRIAN- ROCKY CAPE REGION- ROCKY CAPE GROUP
PLG	PARMEENER SUPERGROUP-LOWER GLACIOMARINE SEQUENCE		ES	PRECAMBRIAN- SMITHTON BASIN
PU	PARMEENER SUPERGROUP-UPPER		ET	PRECAMBRIAN- TYENNAN REGION
PUF	PARMEENER SUPERGROUP-UPPER FRESHWATER SEQUENCE		ETD	PRECAMBRIAN- TYENNAN REGION-DOVE METAMORPHIC COMPLEX
PUG	PARMEENER SUPERGROUP-UPPER GLACIOMARINE SEQUENCE		ETS	PRECAMBRIAN- TYENNAN REGION-STRATHGORDON METAMORPHIC COMPLEX
W	WURAWINA SUPERGROUP		W	WURAWINA SUPERGROUP
WE	WURAWINA SUPERGROUP- ELDON GROUP		WE	WURAWINA SUPERGROUP- ELDON GROUP
WJ	WURAWINA SUPERGROUP- JUNEE GROUP		WJ	WURAWINA SUPERGROUP- JUNEE GROUP
WJD	WURAWINA SUPERGROUP- JUNEE GROUP- DENISON SUBGROUP		WJD	WURAWINA SUPERGROUP- JUNEE GROUP- DENISON SUBGROUP
WJG	WURAWINA SUPERGROUP- JUNEE GROUP- GORDON SUBGROUP		WJG	WURAWINA SUPERGROUP- JUNEE GROUP- GORDON SUBGROUP
WS	WURAWINA SUPERGROUP- SPERO BAY GROUP		WS	WURAWINA SUPERGROUP- SPERO BAY GROUP

## COLLECTORS

AB	BRAVO, A.P.	FA	AHMAD, F.
ABG	GULLINE, A.B.	NA	AHMAD, N.
ACW	WATSON, A.C.	JJA	ALLCHIN, J.J.
AEP	PARSONS, A.E.	ELA	ARCHER, E.L.
AG	GOEDE, A.	CAB	BACON, C.A.
AH	HOOPER, A.	PWB	BAILLIE, P.W.B.
AHB	BLISSETT, A.H.	JB1	BAIRD, J.
AHS	SPRY, A.H.	WEB	BAKER, W.E.
AHV	VOISEY, A.H.	DMB	BANKS, D.M.
AJN	NOLDART, A.J.	MRB	BANKS, M.R.
ALT	TELFER, A.L.	HAB	BARTLETT, H.A.
AM	MCNEIL, A.	CMB	BARTON, C.M.
AMM	MCKENZIE, A.M.	RDB	BEATTIE, R.D.
AMR	REID, A.M.	RFB	BERRY, R.F.
APB	BRAND, A.P.	RB1	BEST, R.
AR	RAULT, A.	GJB	BLACKBURN, G.J.
AT1	THURSTANS, A.	FB	BLAKE, F.
ATW	WELLS, A.T.	AHB	BLISSETT, A.H.
AVB	BROWN, A.V.	JB2	BLITCHFIELD, J.
AWM	MCNEIL, A.W.	GB1	BOTTLEY, G.
BC	COLE, B.	RSB	BOTTRILL, R.S.
BDW	WELDON, B.D.	CB	BOULTER, C.A.
BEC	COX, B.E.	JB3	BRADLEY, J.
BF	FRENCH, B.	APB	BRAND, A.P.
BFG	GLENISTER, B.F.	AB	BRAVO, A.P.
BLD	DECHAINED, B.L.	RB2	BRIGGS, R.
BLT	TAYLOR, B.L.	EDB	BRILL, E.D.
BM	MARSHALL, B.	CJB	BROOKS, C.J.
CAB	BACON, C.A.	AVB	BROWN, A.V.
CB	BOULTER, C.A.	DB	BROWN, D.
CB3	BYRNE, C.	TAB	BROWN, T.A.
CEG	GEE, C.E.	JHB	BUCKLEY, J.H.
CFB	BURRETT, C.F.	KLB	BURNS, K.L.
CGG	GATEHOUSE, C.G.	CFB	BURRETT, C.F.
CJ	JONES, C.	CB3	BYRNE, C.
CJB	BROOKS, C.J.	CRC	CALVER, C.R.
CLH	LOFTUS HILLS, C.	MC	CAREY, M.
CMB	BARTON, C.M.	SWC	CAREY, S.W.
CMP	POWELL, C.MCA.	KEC	CASTER, K.E.
CPR	RAO, C.P.	RC	CASTLEDEN, R.
CRA	CRA EXPLORATION	NKC	CHICK, N.K.
CRC	CALVER, C.R.	MJC	CLARKE, M.J.
CS	SHARPLES, C.	JDC	COCKER, J.D.
DB	BROWN, D.	BC	COLE, B.
DBS	SEYMOUR, D.B.	JC1	COLLINS, J.
DCG	GREEN, D.C.	PLC	COLLINS, P.L.F.
DEL	LEAMAN, D.E.	HC	CONDER, H.
DFT	THOMAS, D.F.	JBC	CONKIN, J.B.
DH	HANNON, D.	EBC	CORBETT, E.B.
DHG	GREEN, D.H.	KDC	CORBETT, K.D.
DIG	GROVES, D.I.	JC2	COURT, J.
DJC	CULLEN, D.J.	BEC	COX, B.E.
DJJ	JENNINGS, D.J.	SFC	COX, S.F.
DJK	KENNEDY, D.J.	CRA	CRA EXPLORATION

## COLLECTORS

DJP	PATTERSON, D.J.	DJC	CULLEN, D.J.
DJS	SLOANE, D.J.	JKD	DAVIDSON, J.K.
DMB	BANKS, D.M.	BLD	DECHANEUX, B.L.
DMD	DUNCAN, D.MCP.	DMR	DEPT. OF MAIN ROADS
DMG	GREEN, D.M.	MJD	DIX, M.J.
DMR	DEPT. OF MAIN ROADS	TD	DOE, T.
DT	THURLEY, D.	PD	DOMBROVSKIS, P.
DW	WOOLLEY, D.	RCD	DONALDSON, R.C.
EBC	CORBETT, E.B.	DMD	DUNCAN, D.MCP.
EBM	MCINTYRE, E.B.	PDE	ELLIS, P.D.
EDB	BRILL, E.D.	JME	ELLISTON, J.M.
EDJ	JACKSON, W.D.	JNE	ELLISTON, J.N.
ELA	ARCHER, E.L.	GBE	EVERARD, G.B.
EMS	SMITH, E.M.	JLE	EVERARD, J.L.
EW	WILLIAMS, E.	LE	EWINGTON, L.
EZ	EZ EXPLORATION	EZ	EZ EXPLORATION
FA	AHMAD, F.	RHF	FINDLAY, R.H.
FB	BLAKE, F.	KJC	FINUCANE, K.J.
FK	KRANTZ, F.	RJF	FORD, R.J.
FLS	SUTHERLAND, F.L.	SMF	FORSYTH, S.M.
GAW	WALLER, G.A.	BF	FRENCH, B.
GB1	BOTTLEY, G.	CGG	GATEHOUSE, C.G.
GBE	EVERARD, G.B.	CEG	GEE, C.E.
GCP	PAXTON, G.C.	RDG	GEE, R.D.
GEH	HALE, G.E.	PUB	GENERAL PUBLIC
GJB	BLACKBURN, G.J.	BFG	GLENISTER, B.F.
GL	LANE, G.	AG	GOEDE, A.
GPP	PIKE, G.P.	OGD	GOVT. DEPARTMENTS (OTHER THAN HEC, DMR)
GR1	RAWLEY, G.	DCG	GREEN, D.C.
GR2	ROBERTS, G.	DHG	GREEN, D.H.
GRG	GREEN, G.R.	DMG	GREEN, D.M.
GS	STEPHENS, G.	GRG	GREEN, G.R.
GU	URQUHART, G.	PLG	GREEN, P.L.
GV	VAN DER GEER, G.	THG	GREEN, T.H.
HAB	BARTLETT, H.A.	DIG	GROVES, D.I.
HC	CONDER, H.	ABG	GULLINE, A.B.
HEC	HYDRO-ELECTRIC COMMISSION	GEH	HALE, G.E.
HGK	KEID, H.G.W.	RJH	HALL, R.J.
HGT	TARGET, H.G.	DH	HANNON, D.
HMH	HARRIS, H.M.	HMH	HARRIS, H.M.
IBJ	JENNINGS, I.B.	QJH	HENDERSON, Q.J.
IHN	NAQVI, I.H.	AH	HOOPER, A.
IM	MCDOUGALL, I.	JWH	HUDSPETH, J.W.
JB1	BAIRD, J.	TDH	HUGHES, T.D.
JB2	BLITCHFIELD, J.	HEC	HYDRO-ELECTRIC COMMISSION
JB3	BRADLEY, J.	RJ	JACK, R.
JBC	CONKIN, J.B.	EDJ	JACKSON, W.D.
JBJ	JAGO, J.B.	JBJ	JAGO, J.B.
JBM	MCFIE, J.B.	MCJ	JAGOE, M.C.
JC1	COLLINS, J.	DJJ	JENNINGS, D.J.
JC2	COURT, J.	IBJ	JENNINGS, I.B.
JDC	COCKER, J.D.	CJ	JONES, C.
JHB	BUCKLEY, J.H.	HGK	KEID, H.G.W.
JJA	ALLCHIN, J.J.	NK	KEMP, N.

## COLLECTORS

JKD	DAVIDSON, J.K.	DJK	KENNEDY, D.J.
JL	LUCKMAN, J.	MGK	KILE, M.G.
JLE	EVERARD, J.L.	PK	KOMYSHAN, P.
JM1	MAYNE, J.	FK	KRANTZ, F.
JM2	MCCLLENAGHAN, J.	GL	LANE, G.
JM3	MINCHEN, J.	RRL	LARGE, R.R.
JME	ELLISTON, J.M.	DEL	LEAMAN, D.E.
JNE	ELLISTON, J.N.	PJJ	LEGG, P.J.
JR	RANSOM, J.	PGL	LENNOX, P.J.
JT1	TALENT, J.A.	CLH	LOFTUS HILLS, C.
JT2	TOWNROW, J.A.	MJL	LONGMAN, M.J.
JV	VAN MOORT, J.	JL	LUCKMAN, J.
JW	WISHART, J.	MHL	LUDBROOK, M.H.
JWH	HUDSPETH, J.W.	BM	MARSHALL, B.
KDC	CORBETT, K.D.	RPM	MATHER, R.P.
KEC	CASTER, K.E.	WLM	MATTHEWS, W.L.
KJC	FINUCANE, K.J.	JM1	MAYNE, J.
KLB	BURNS, K.L.	JM2	MCCLLENAGHAN, J.
KOR	REID, K.O.	MPM	MCCLLENAGHAN, M.P.
LE	EWINGTON, L.	IM	MCDUGALL, I.
LKW	WARD, L.K.	JBM	MCFIE, J.B.
LLM	WATERHOUSE, L.L.	EBM	MCINTYRE, E.B.
MBP	PHILLIP, M.B.	AMM	MCKENZIE, A.M.
MC	CAREY, M.	WNM	MCLEOD, W.N.
MCJ	JAGOE, M.C.	PM	MCMANUS, P.
MEC	MINING & EXPLOR'N CO'S (OTHER THAN CRA, EZ)	AM	MCNEIL, A.
MGK	KILE, M.G.	AWM	MCNEIL, A.W.
MHL	LUDBROOK, M.H.	RDM	MCNEIL, R.D.
MJC	CLARKE, M.J.	RM	MCSHANE, R.
MJD	DIX, M.J.	MOM	MICHAEL, M.O.
MJL	LONGMAN, M.J.	JM3	MINCHEN, J.
MJP	POLLINGTON, M.J.	MEC	MINING & EXPLOR'N CO'S (OTHER THAN CRA, EZ)
MLW	WADE, M.L.	WRM	MOORE, W.R.
MOM	MICHAEL, M.O.	IHN	NAQVI, I.H.
MPM	MCCLLENAGHAN, M.P.	ZN	NIGGLO, Z.
MR	RUBENACH, M.	AJN	NOLDART, A.J.
MRB	BANKS, M.R.	PBN	NYE, P.B.
MS1	SMYTHE, M.	AEP	PARSONS, A.E.
MS2	SOLOMON, M.	DJP	PATTERSON, D.J.
MZS	STEFANSKI, M.Z.	GCP	PAXTON, G.C.
NA	AHMAD, N.	MBP	PHILLIP, M.B.
NJT	TURNER, N.J.	GPP	PIKE, G.P.
NK	KEMP, N.	RP	PITT, R.
NKC	CHICK, N.K.	WP	PITULEJ, W.
NS	SANDERS, N.	MJP	POLLINGTON, M.J.
NW	WHITE, N.	CMP	POWELL, C.MCA.
OGD	GOVT. DEPARTMENTS (OTHER THAN HEC, DMR)	PGQ	QUILTY, P.G.
PBN	NYE, P.B.	JR	RANSOM, J.
PCS	STEVENSON, P.C.	CPR	RAO, C.P.
PD	DOMBROVSKIS, P.	AR	RAULT, A.
PDE	ELLIS, P.D.	GR1	RAWLEY, G.
PFW	WILLIAMS, P.F.	AMR	REID, A.M.
PGL	LENNOX, P.J.	KOR	REID, K.O.
PGQ	QUILTY, P.G.	RBR	REID, R.B.

## COLLECTORS

PJL	LEGGE, P.J.	RGR	RICHARDSON, R.G.
PK	KOMYSHAN, P.	GR2	ROBERTS, G.
PLC	COLLINS, P.L.F.	PR	ROGERSON, P.
PLG	GREEN, P.L.	SMR	ROWE, S.M.
PM	MCMANUS, P.	MR	RUBENACH, M.
PR	ROGERSON, P.	PS	SABINE, P.
PS	SABINE, P.	NS	SANDERS, N.
PUB	GENERAL PUBLIC	TLS	SASSER, T.L.
PWB	BAILLIE, P.W.B.	DBS	SEYMOUR, D.B.
QJH	HENDERSON, Q.J.	CS	SHARPLES, C.
RB1	BEST, R.	DJS	SLOANE, D.J.
RB2	BRIGGS, R.	EMS	SMITH, E.M.
RBR	REID, R.B.	RES	SMITHURST, R.E.
RC	CASTLEDEN, R.	MS1	SMYTHE, M.
RCD	DONALDSON, R.C.	MS2	SOLOMON, M.
RDB	BEATTIE, R.D.	AHS	SPRY, A.H.
RDG	GEE, R.D.	MZS	STEFANSKIJ, M.Z.
RDM	MCNEIL, R.D.	GS	STEPHENS, G.
RES	SMITHURST, R.E.	PCS	STEVENSON, P.C.
RFB	BERRY, R.F.	TGS	SUMMONS, T.G.
RGR	RICHARDSON, R.G.	FLS	SUTHERLAND, F.L.
RHF	FINDLAY, R.H.	JT1	TALENT, J.A.
RJ	JACK, R.	HGT	TARGET, H.G.
RJF	FORD, R.J.	BLT	TAYLOR, B.L.
RJH	HALL, R.J.	ALT	TELFER, A.L.
RKW	WHYTE, R.K.	DFT	THOMAS, D.F.
RM	MCSHANE, R.	VMT	THREADER, V.M.
RP	PITT, R.	DT	THURLEY, D.
RPM	MATHER, R.P.	AT1	THURSTANS, A.
RRL	LARGE, R.R.	JT2	TOWNROW, J.A.
RSB	BOTTRILL, R.S.	NJT	TURNER, N.J.
RV	VARNE, R.	WHT	TWELVETREES, W.H.
SFC	COX, S.F.	GU	URQUHART, G.
SMF	FORSYTH, S.M.	GV	VAN DER GEER, G.
SMR	ROWE, S.M.	JV	VAN MOORT, J.
SWC	CAREY, S.W.	RV	VARNE, R.
TAB	BROWN, T.A.	AHV	VOISEY, A.H.
TD	DOE, T.	MLW	WADE, M.L.
TDH	HUGHES, T.D.	GAW	WALLER, G.A.
TGS	SUMMONS, T.G.	LKW	WARD, L.K.
THG	GREEN, T.H.	LLM	WATERHOUSE, L.L.
TLS	SASSER, T.L.	ACW	WATSON, A.C.
VMT	THREADER, V.M.	BDW	WELDON, B.D.
WEB	BAKER, W.E.	ATW	WELLS, A.T.
WHT	TWELVETREES, W.H.	NW	WHITE, N.
WLM	MATTHEWS, W.L.	RKW	WHYTE, R.K.
WNM	MCLEOD, W.N.	EW	WILLIAMS, E.
WP	PITULEJ, W.	PFW	WILLIAMS, P.F.
WRM	MOORE, W.R.	JW	WISHART, J.
ZN	NIGGLO, Z.	DW	WOOLLEY, D.

## TREATMENTS

AP	ACETATE PEEL		AP	ACETATE PEEL
DS	DISPLAY SPECIMEN		DS	DISPLAY SPECIMEN
FI	FLUID INCLUSION CHIP		FI	FLUID INCLUSION CHIP
GP	GEOPHYSICAL PROPERTIES		GP	GEOPHYSICAL PROPERTIES
IS	ISOTOPE STUDY		IS	ISOTOPE STUDY
MA	MISCELLANEOUS ANALYSES		MS	MINERAL SEPARATION
MD	MODAL ANALYSIS		MA	MISCELLANEOUS ANALYSES
MS	MINERAL SEPARATION		MD	MODAL ANALYSIS
PA	PROBE ANALYSIS		PL	PALAEONTOLOGY
PL	PALAEONTOLOGY		PN	PALYNOLOGY
PN	PALYNOLOGY		PS	POLISHED SECTION
PS	POLISHED SECTION		PT	POLISHED THIN SECTION
PT	POLISHED THIN SECTION		PA	PROBE ANALYSIS
RM	ROCK MECHANICS		RM	ROCK MECHANICS
SM	SOIL MECHANICS		SM	SOIL MECHANICS
TS	THIN SECTION		TS	THIN SECTION
WA	WATER ANALYSIS		WA	WATER ANALYSIS
WR	WHOLE ROCK ANALYSIS		WR	WHOLE ROCK ANALYSIS
XR	X-RAY DIFFRACTION		XR	X-RAY DIFFRACTION