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1988/13. TASROK - A computer-based catalogue for Tasmanian rocks (Revision 1).

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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.

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. The programs only provide for the four collections of the Department of Mines at present 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. Ml/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) 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.

(xi) Quadrangle or country - details as for generic type, but no standard abbreviations.

(xii) 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.

(xiii) Locality - details as for generic type, but no standard abbreviations.

(xiv) Collector - details as for generic type.

(xv) Starting year - the year of collection to start searching from. Leave blank to select all.

(xvi) Finishing year - the prompt only appears if a starting year is given. Leave blank to select all entries collected after the starting year.

(xvii) Treatment details as for generic type.

(xviii) Keywords details as for generic type, but no standard abbreviation.

(xix) Proceed with this search - type N if search is not to proceed.

(xx) 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

(xxi) Search subset again? - type Y to search the currently selected subset of the data again.

(xxii) 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

(xxiii) 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

(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
- 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

(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 is 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, ROCKCODE (the rock unit code), 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.

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.

[19 May 1988]

APPENDIX 1

Data coding sheet

Collection

TASROCK CATALOGUE
COMPUTER ENTRY SHEET

1. Registration No.
2. Generic Type
3. Sample Name
4. Minerals
5. Modifiers
6. Age
7. Rock Unit Code
8. Rock Unit Name
9. State or Overseas
10. Quadrangle or Country
11. Co-ordinates — mE 5
    or Latitude, Longitude — ° ' N/S ° ' E/W
12. Locality
13. Collector
14. Year of Collection
15. Field No.
16. Treatment
17. Reference
18. Keywords
19. Comments

APPENDIX 2

Sample outputs

TASMANIAN ROCK CATALOGUE

COLN	REG NO	SAMPLE NAME	LOCALITY	ROCKNAME
M2	54- 1	QUARTZITE	2/474E/28	
M2	54- 9	SCHIST	R3/493/26N	
M2	54- 15	DOLERITE	BUTLERS GORG	
M2	55- 7	LAVA	BRANCH CK BH	

TASMANIAN ROCK AND MINERAL CATALOGUE

CN	REG NO	GENIC	SAMPLE NAME	MINERALS	MODIFIERS	AGE	CODE<-ROCK->NAME	S	QUAD	COORDINATES		LOCALITY	COL	YEAR
M2	54- 1	MESMQ	QUARTZITE					0	8114N	0mE	0mN	2/474E/28	JME	1954
											1.5' ABOVE CONTACT			2
M2	54- 9	ME	SCHIST	HEM SER QTZ				0	8114N	0mE	0mN	R3/493/26N	JME	1954
M2	54- 15	IPBDO	DOLERITE			MJ		0	8113S	440000mE	320000mN	BUTLERS GORG		1954
M2	55- 7	IV	LAVA		HYBR LOG NO.1687			0	8215N	467800mE	437750mN	BRANCH CK BH	TDH	1955
												BH3 245-254' ?SLATE		

APPENDIX 3

Tasrok user guide

TASMANIAN ROCK CATALOGUE

GUIDE TO INFORMATION STORED

DATE 21 JUN 1988

INTRODUCTION

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.

REGISTRATION NUMBERS

	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

LOCATION DATA

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

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

GENERIC TYPE

MEMI	METAMORPHIC- MIGMATITE
MEMY	METAMORPHIC- MYLONITE & FAULT BRECCIA
MES	METAMORPHIC- METASEDIMENTARY
MESCH	METAMORPHIC- SCHIST
MESHF	METAMORPHIC- METASEDIMENTARY- HORNFELS
MESMA	METAMORPHIC- METASEDIMENTARY- MARBLE
MESMQ	METAMORPHIC- METASEDIMENTARY- METAQUARTZITE
MESPH	METAMORPHIC- METASEDIMENTARY- PHYLLITE
MESSK	METAMORPHIC- METASEDIMENTARY- SKARN
MESSL	METAMORPHIC- METASEDIMENTARY- SLATE
ML	MINERAL
MLN	MINERAL- NONSILICATE
MLNC	MINERAL- NONSILICATE- CARBONATES
MLNN	MINERAL- NONSILICATE- NATIVE ELEMENTS
MLNO	MINERAL- NONSILICATE- OXIDES, HYDROXIDES & HALIDES
MLNP	MINERAL- NONSILICATE- PHOSPHATES, SULPHATES, ETC.
MLNS	MINERAL- NONSILICATE- SULPHIDES & SULPHOSALTS
MLS	MINERAL- SILICATE
MLSC	MINERAL- SILICATE- CYCLOSILICATES
MLSCT	MINERAL- SILICATE- CYCLOSILICATES- TOURMALINE
MLSI	MINERAL- SILICATE- INOSILICATES
MLSIA	MINERAL- SILICATE- INOSILICATES- AMPHIBOLES
MLSIP	MINERAL- SILICATE- INOSILICATES- PYROXENES
MLSID	MINERAL- SILICATE- INOSILICATES- PYROXENOIDS
MLSN	MINERAL- SILICATE- NESOSILICATES
MLSNG	MINERAL- SILICATE- NESOSILICATES- GARNETS
MLSP	MINERAL- SILICATE- PHYLLOSILICATES
MLSPT	MINERAL- SILICATE- PHYLLOSILICATES- CHLORITES
MLSPY	MINERAL- SILICATE- PHYLLOSILICATES- CLAYS
MLSPM	MINERAL- SILICATE- PHYLLOSILICATES- MICAS
MLSS	MINERAL- SILICATE- SOROSILICATES
MLST	MINERAL- SILICATE- TECTOSILICATES
MLSTF	MINERAL- SILICATE- TECTOSILICATES- FELDSPARS
MLSTD	MINERAL- SILICATE- TECTOSILICATES- FELDSPATHOIDS
MLSTZ	MINERAL- SILICATE- TECTOSILICATES- ZEOLITES
OR	ORE & GOSSANS
ORG	ORE & GOSSANS- GOSSANS
ORN	ORE- NONSULPHIDE
ORNAU	ORE- NONSULPHIDE- GOLD
ORNFE	ORE- NONSULPHIDE- IRON
ORNMN	ORE- NONSULPHIDE- MANGANESE
ORNSN	ORE- NONSULPHIDE- TIN
ORNW	ORE- NONSULPHIDE- TUNGSTEN
ORNU	ORE- NONSULPHIDE- URANIUM
ORS	ORE- SULPHIDE
ORSCU	ORE- SULPHIDE- COPPER
ORSAU	ORE- SULPHIDE- GOLD
ORSPB	ORE- SULPHIDE- LEAD
ORSNI	ORE- SULPHIDE- NICKEL
ORSPY	ORE- SULPHIDE- PYRITE
ORSZN	ORE- SULPHIDE- ZINC
S	SEDIMENTARY-
SA	SEDIMENTARY- ALLUVIUM & UNCONSOLIDATED
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
ACT	ACTINOLITE
ADR	ANDRADITE
AGT	AEGIRINE-AUGITE
AK	AKERMANITE
ALM	ALMANDINE
ALN	ALLANITE
AM	AMPHIBOLE (QV CLINO-,ORTHO-)
AN	ANORTHITE
AND	ANDALUSITE
ANH	ANHYDRITE
ANK	ANKERITE
ANL	ANALCITE (ANALCIME)
ANN	ANNITE
ANT	ANATASE
AP	APATITE
APO	APOPHYLLITE
APY	ARSENOPYRITE
ARF	ARFVEDSONITE
ARG	ARAGONITE
ATG	ANTIGORITE
ATH	ANTHOPHYLLITE
AUG	AUGITE
AX	AXINITE
BHM	BOEHMITE
BN	BORNITE
BRC	BRUCITE
BRK	BROOKITE
BRL	BERYL
BRT	BARITE
BST	BUSTAMITE
BT	BIOTITE
CAL	CALCITE
CAM	CLINOAMPHIBOLE (CA)
CBZ	CHABAZITE
CC	CHALCOCITE
CCL	CHRYSOCOLLA
CCN	CANCRINITE
CCP	CHALCOPYRITE
CEN	CLINOENSTATITE
CFS	CLINOFERROSILITE
CHL	CHLORITE
CHN	CHONDRODITE
CHR	CHROMITE
CHU	CLINOHUMITE
CLD	CHLORITOID
CLS	CELESTITE
CPX	CLINOPYROXENE (CA)
CRD	CORDIERITE
CRN	CARNEGIEITE
CRN	CORUNDUM
CRS	CRISTOBALLITE
CST	CASSITERITE

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

MINERALS

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

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

MINERALS

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

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

MINERALS

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

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

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

MODIFIERS

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

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

MODIFIERS

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

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

MODIFIERS

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

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

MODIFIERS

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

AGE

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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
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		AGE
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 COMPL	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 COMPL
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.
ABG	GULLINE, A.B.
ACW	WATSON, A.C.
AEP	PARSONS, A.E.
AG	GOEDE, A.
AH	HOOPER, A.
AHB	BLISSETT, A.H.
AHS	SPRY, A.H.
AHV	VOISEY, A.H.
AJN	NOLDART, A.J.
ALT	TELFER, A.L.
AM	MCNEIL, A.
AMM	MCKENZIE, A.M.
AMR	REID, A.M.
APB	BRAND, A.P.
AR	RAULT, A.
AT1	THURSTANS, A.
ATW	WELLS, A.T.
AVB	BROWN, A.V.
AWM	MCNEIL, A.W.
BC	COLE, B.
BDW	WELDON, B.D.
BEC	COX, B.E.
BF	FRENCH, B.
BFG	GLENISTER, B.F.
BLD	DECHAINEUX, B.L.
BLT	TAYLOR, B.L.
BM	MARSHALL, B.
CAB	BACON, C.A.
CB	BOULTER, C.A.
CB3	BYRNE, C.
CEG	GEE, C.E.
CFB	BURRETT, C.F.
CGG	GATEHOUSE, C.G.
CJ	JONES, C.
CJB	BROOKS, C.J.
CLH	LOFTUS HILLS, C.
CMB	BARTON, C.M.
CMP	POWELL, C.MCA.
CPR	RAO, C.P.
CRA	CRA EXPLORATION
CRC	CALVER, C.R.
CS	SHARPLES, C.
DB	BROWN, D.
DBS	SEYMOUR, D.B.
DCG	GREEN, D.C.
DEL	LEAMAN, D.E.
DFT	THOMAS, D.F.
DH	HANNON, D.
DHG	GREEN, D.H.
DIG	GROVES, D.I.
DJC	CULLEN, D.J.
DJJ	JENNINGS, D.J.
DJK	KENNEDY, D.J.

FA	AHMAD, F.
NA	AHMAD, N.
JJA	ALLCHIN, J.J.
ELA	ARCHER, E.L.
CAB	BACON, C.A.
PWB	BAILLIE, P.W.B.
JB1	BAIRD, J.
WEB	BAKER, W.E.
DMB	BANKS, D.M.
MRB	BANKS, M.R.
HAB	BARTLETT, H.A.
CMB	BARTON, C.M.
RDB	BEATTIE, R.D.
RFB	BERRY, R.F.
RB1	BEST, R.
GJB	BLACKBURN, G.J.
FB	BLAKE, F.
AHB	BLISSETT, A.H.
JB2	BLITCHFIELD, J.
GB1	BOTTLEY, G.
RSB	BOTTRILL, R.S.
CB	BOULTER, C.A.
JB3	BRADLEY, J.
APB	BRAND, A.P.
AB	BRAVO, A.P.
RB2	BRIGGS, R.
EDB	BRILL, E.D.
CJB	BROOKS, C.J.
AVB	BROWN, A.V.
DB	BROWN, D.
TAB	BROWN, T.A.
JHB	BUCKLEY, J.H.
KLB	BURNS, K.L.
CFB	BURRETT, C.F.
CB3	BYRNE, C.
CRC	CALVER, C.R.
MC	CAREY, M.
SWC	CAREY, S.W.
KEC	CASTER, K.E.
RC	CASTLEDEN, R.
NKC	CHICK, N.K.
MJC	CLARKE, M.J.
JDC	COCKER, J.D.
BC	COLE, B.
JC1	COLLINS, J.
PLC	COLLINS, P.L.F.
HC	CONDER, H.
JBC	CONKIN, J.B.
EBC	CORBETT, E.B.
KDC	CORBETT, K.D.
JC2	COURT, J.
BEC	COX, B.E.
SFC	COX, S.F.
CRA	CRA EXPLORATION

COLLECTORS

DJP	PATTERSON, D.J.
DJS	SLOANE, D.J.
DMB	BANKS, D.M.
DMD	DUNCAN, D.MCP.
DMG	GREEN, D.M.
DMR	DEPT. OF MAIN ROADS
DT	THURLEY, D.
DW	WOOLLEY, D.
EBC	CORBETT, E.B.
EBM	MCINTYRE, E.B.
EDB	BRILL, E.D.
EDJ	JACKSON, W.D.
ELA	ARCHER, E.L.
EMS	SMITH, E.M.
EW	WILLIAMS, E.
EZ	EZ EXPLORATION
FA	AHMAD, F.
FB	BLAKE, F.
FK	KRANTZ, F.
FLS	SUTHERLAND, F.L.
GAW	WALLER, G.A.
GB1	BOTTLEY, G.
GBE	EVERARD, G.B.
GCP	PAXTON, G.C.
GEH	HALE, G.E.
GJB	BLACKBURN, G.J.
GL	LANE, G.
GPP	PIKE, G.P.
GR1	RAWLEY, G.
GR2	ROBERTS, G.
GRG	GREEN, G.R.
GS	STEPHENS, G.
GU	URQUHART, G.
GV	VAN DER GEER, G.
HAB	BARTLETT, H.A.
HC	CONDER, H.
HEC	HYDRO-ELECTRIC COMMISSION
HGK	KEID, H.G.W.
HGT	TARGET, H.G.
HMH	HARRIS, H.M.
IBJ	JENNINGS, I.B.
IHN	NAQVI, I.H.
IM	MCDOUGALL, I.
JB1	BAIRD, J.
JB2	BLITCHFIELD, J.
JB3	BRADLEY, J.
JBC	CONKIN, J.B.
JBJ	JAGO, J.B.
JBM	MCFIE, J.B.
JC1	COLLINS, J.
JC2	COURT, J.
JDC	COCKER, J.D.
JHB	BUCKLEY, J.H.
JJA	ALLCHIN, J.J.

DJC	CULLEN, D.J.
JKD	DAVIDSON, J.K.
BLD	DECHAINEUX, B.L.
DMR	DEPT. OF MAIN ROADS
MJD	DIX, M.J.
TD	DOE, T.
PD	DOMBROVSKIS, P.
RCD	DONALDSON, R.C.
DMD	DUNCAN, D.MCP.
PDE	ELLIS, P.D.
JME	ELLISTON, J.M.
JNE	ELLISTON, J.N.
GBE	EVERARD, G.B.
JLE	EVERARD, J.L.
LE	EWINGTON, L.
EZ	EZ EXPLORATION
RHF	FINDLAY, R.H.
KJC	FINUCANE, K.J.
RJF	FORD, R.J.
SMF	FORSYTH, S.M.
BF	FRENCH, B.
CGG	GATEHOUSE, C.G.
CEG	GEE, C.E.
RDG	GEE, R.D.
PUB	GENERAL PUBLIC
BFG	GLENISTER, B.F.
AG	GOEDE, A.
OGD	GOVT. DEPARTMENTS (OTHER THAN HEC, DMR)
DCG	GREEN, D.C.
DHG	GREEN, D.H.
DMG	GREEN, D.M.
GRG	GREEN, G.R.
PLG	GREEN, P.L.
THG	GREEN, T.H.
DIG	GROVES, D.I.
ABG	GULLINE, A.B.
GEH	HALE, G.E.
RJH	HALL, R.J.
DH	HANNON, D.
HMH	HARRIS, H.M.
QJH	HENDERSON, Q.J.
AH	HOOPER, A.
JWH	HUDSPETH, J.W.
TDH	HUGHES, T.D.
HEC	HYDRO-ELECTRIC COMMISSION
RJ	JACK, R.
EDJ	JACKSON, W.D.
JBJ	JAGO, J.B.
MCJ	JAGOE, M.C.
DJJ	JENNINGS, D.J.
IBJ	JENNINGS, I.B.
CJ	JONES, C.
HGK	KEID, H.G.W.
NK	KEMP, N.

COLLECTORS

JKD	DAVIDSON, J.K.
JL	LUCKMAN, J.
JLE	EVERARD, J.L.
JM1	MAYNE, J.
JM2	MCCLENAGHAN, J.
JM3	MINCHEN, J.
JME	ELLISTON, J.M.
JNE	ELLISTON, J.N.
JR	RANSOM, J.
JT1	TALENT, J.A.
JT2	TOWNROW, J.A.
JV	VAN MOORT, J.
JW	WISHART, J.
JWH	HUDSPETH, J.W.
KDC	CORBETT, K.D.
KEC	CASTER, K.E.
KJC	FINUCANE, K.J.
KLB	BURNS, K.L.
KOR	REID, K.O.
LE	EWINGTON, L.
LKW	WARD, L.K.
LLM	WATERHOUSE, L.L.
MBP	PHILLIP, M.B.
MC	CAREY, M.
MCJ	JAGOE, M.C.
MEC	MINING & EXPLOR'N CO'S (OTHER THAN CRA, EZ)
MGK	KILE, M.G.
MHL	LUDBROOK, M.H.
MJC	CLARKE, M.J.
MJD	DIX, M.J.
MJL	LONGMAN, M.J.
MJP	POLLINGTON, M.J.
MLW	WADE, M.L.
MOM	MICHAEL, M.O.
MPM	MCCLENAGHAN, M.P.
MR	RUBENACH, M.
MRB	BANKS, M.R.
MS1	SMYTHE, M.
MS2	SOLOMON, M.
MZS	STEFANSKIJ, M.Z.
NA	AHMAD, N.
NJT	TURNER, N.J.
NK	KEMP, N.
NKC	CHICK, N.K.
NS	SANDERS, N.
NW	WHITE, N.
OGD	GOVT. DEPARTMENTS (OTHER THAN HEC, DMR)
PBN	NYE, P.B.
PCS	STEVENSON, P.C.
PD	DOMBROVSKIS, P.
PDE	ELLIS, P.D.
PFW	WILLIAMS, P.F.
PGL	LENNOX, P.J.
PGQ	QUILTY, P.G.

DJK	KENNEDY, D.J.
MGK	KILE, M.G.
PK	KOMYSHAN, P.
FK	KRANTZ, F.
GL	LANE, G.
RRL	LARGE, R.R.
DEL	LEAMAN, D.E.
PJL	LEGGE, P.J.
PGL	LENNOX, P.J.
CLH	LOFTUS HILLS, C.
MJL	LONGMAN, M.J.
JL	LUCKMAN, J.
MHL	LUDBROOK, M.H.
BM	MARSHALL, B.
RPM	MATHER, R.P.
WLM	MATTHEWS, W.L.
JM1	MAYNE, J.
JM2	MCCLENAGHAN, J.
MPM	MCCLENAGHAN, M.P.
IM	MCDOUGALL, I.
JBM	MCFIE, J.B.
EBM	MCINTYRE, E.B.
AMM	MCKENZIE, A.M.
WNM	MCLEOD, W.N.
PM	MCMANUS, P.
AM	MCNEIL, A.
AWM	MCNEIL, A.W.
RDM	MCNEIL, R.D.
RM	MCSHANE, R.
MOM	MICHAEL, M.O.
JM3	MINCHEN, J.
MEC	MINING & EXPLOR'N CO'S (OTHER THAN CRA, EZ)
WRM	MOORE, W.R.
IHN	NAQVI, I.H.
ZN	NIGGLO, Z.
AJN	NOLDART, A.J.
PBN	NYE, P.B.
AEP	PARSONS, A.E.
DJP	PATTERSON, D.J.
GCP	PAXTON, G.C.
MBP	PHILLIP, M.B.
GPP	PIKE, G.P.
RP	PITT, R.
WP	PITULEJ, W.
MJP	POLLINGTON, M.J.
CMP	POWELL, C.MCA.
PGQ	QUILTY, P.G.
JR	RANSOM, J.
CPR	RAO, C.P.
AR	RAULT, A.
GR1	RAWLEY, G.
AMR	REID, A.M.
KOR	REID, K.O.
RBR	REID, R.B.

PJL	LEGGE, P.J.
PK	KOMYSHAN, P.
PLC	COLLINS, P.L.F.
PLG	GREEN, P.L.
PM	MCMANUS, P.
PR	ROGERSON, P.
PS	SABINE, P.
PUB	GENERAL PUBLIC
PWB	BAILLIE, P.W.B.
QJH	HENDERSON, Q.J.
RB1	BEST, R.
RB2	BRIGGS, R.
RBR	REID, R.B.
RC	CASTLEDEN, R.
RCD	DONALDSON, R.C.
RDB	BEATTIE, R.D.
RDG	GEE, R.D.
RDM	MCNEIL, R.D.
RES	SMITHURST, R.E.
RFB	BERRY, R.F.
RGR	RICHARDSON, R.G.
RHF	FINDLAY, R.H.
RJ	JACK, R.
RJF	FORD, R.J.
RJH	HALL, R.J.
RKW	WHYTE, R.K.
RM	MCSHANE, R.
RP	PITT, R.
RPM	MATHER, R.P.
RRL	LARGE, R.R.
RSB	BOTTRILL, R.S.
RV	VARNE, R.
SFC	COX, S.F.
SMF	FORSYTH, S.M.
SMR	ROWE, S.M.
SWC	CAREY, S.W.
TAB	BROWN, T.A.
TD	DOE, T.
TDH	HUGHES, T.D.
TGS	SUMMONS, T.G.
THG	GREEN, T.H.
TLS	SASSER, T.L.
VMT	THREADER, V.M.
WEB	BAKER, W.E.
WHT	TWELVETREES, W.H.
WLM	MATTHEWS, W.L.
WNM	MCLEOD, W.N.
WP	PITULEJ, W.
WRM	MOORE, W.R.
ZN	NIGGLO, Z.

COLLECTORS

RGR	RICHARDSON, R.G.
GR2	ROBERTS, G.
PR	ROGERSON, P.
SMR	ROWE, S.M.
MR	RUBENACH, M.
PS	SABINE, P.
NS	SANDERS, N.
TLS	SASSER, T.L.
DBS	SEYMOUR, D.B.
CS	SHARPLES, C.
DJS	SLOANE, D.J.
EMS	SMITH, E.M.
RES	SMITHURST, R.E.
MS1	SMYTHE, M.
MS2	SOLOMON, M.
AHS	SPRY, A.H.
MZS	STEFANSKIJ, M.Z.
GS	STEPHENS, G.
PCS	STEVENSON, P.C.
TGS	SUMMONS, T.G.
FLS	SUTHERLAND, F.L.
JT1	TALENT, J.A.
HGT	TARGET, H.G.
BLT	TAYLOR, B.L.
ALT	TELFER, A.L.
DFT	THOMAS, D.F.
VMT	THREADER, V.M.
DT	THURLEY, D.
AT1	THURSTANS, A.
JT2	TOWNROW, J.A.
NJT	TURNER, N.J.
WHT	TWELVETREES, W.H.
GU	URQUHART, G.
GV	VAN DER GEER, G.
JV	VAN MOORT, J.
RV	VARNE, R.
AHV	VOISEY, A.H.
MLW	WADE, M.L.
GAW	WALLER, G.A.
LKW	WARD, L.K.
LLM	WATERHOUSE, L.L.
ACW	WATSON, A.C.
BDW	WELDON, B.D.
ATW	WELLS, A.T.
NW	WHITE, N.
RKW	WHYTE, R.K.
EW	WILLIAMS, E.
PFW	WILLIAMS, P.F.
JW	WISHART, J.
DW	WOOLLEY, D.

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

TREATMENTS

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