

APPENDIX ASAMPLE LOCATION INDEX - ZEEHAN TIN DEPOSITSNos. R60,001 - R60,521

(UNE Dpt. of Geology & Geophysics catalogue)

Sequential listing of samples investigated by:-

- polished thin section (nos. R60,001 - R60,499)
- wholerock geochemistry (oxide and/or trace element analyses by XRF; fluorine analyses by specific ion electrode)
- electron microprobe (sulphides and/or carbonates)
- fluid inclusion microthermometry
- isotope analysis (sulphur of sulphides and/or carbon-oxygen of carbonates and/or wholerock lead).

With cross-reference against field numbers (non-serial sequence 251651 - 304633) used to label petrological descriptions in Appendix C (microfiche).

Location prefixes ZQ, ZM and ZS refer to samples from Queen Hill, Montana and Severn core holes respectively. Otherwise, unprefixed co-ordinates (e.g. 60,610/62,010) are AMG eastings/northings of samples collected from outcrops and mine dumps at surface.

SAMPLE No.		LOCATION	GEOCHEM.		PROBE		FLUID INCL.	ISOTOPE			
UNE	Field		OXIDE	TRACE	SULPH.	CARB.		S	C-O	Pb	
60,051	251917	ZS87/298.6									
052	920	305.9							x		
053	921	309.9									
054	924	327.6									
055	926	331.5									
056	927	333.2									
057	929	335.7									
058	930	337.1									
059	931	334.3									
060	932	344.8									
061	934	347.5									
062	935	348.0									
063	938	353.0									
064	939	355.5									
065	941	ZM67/160.9							x		
066	942	167.4									
067	944	180.7									
068	946	186.0		x							
069	947	189.7						x			
070	949	194.3	x	x							
071	950	196.2				x	x		x	x	
072	953	199.0					x				
073	955	201.5	x	x							
074	956	202.6	x	x							
075	958	205.0									
076	961	ZQ62/200.5									
077	962	202.0	x	x		x					
078	963	203.8									
079	964	208.4									
080	965	210.4									
081	966A	216.0									
082	966B	216.0									
083	967	220.1									
084	968	221.1									
085	969	223.6									
086	970	226.8						x			
087	971	227.4									
088	972	228.9	x	x							
089	973	230.7									
090	974	231.4									
091	975	233.6						x			
092	976	239.5									
093	977	241.5					x				
094	978	60,960/62,090 - Poverty Point area									
095	982	ZQ52/136.0			x	x		x	x		
096	983	138.8									
097	985	161.8									
098	989	ZQ46/270.7						x			
099	991	ZQ58/226.0									
60,100	251994	285.2				x			x		

SAMPLE No.		LOCATION	GEOCHEM.		PROBE		FLUID INCL.	ISOTOPE		
UNE	Field		OXIDE	TRACE	SULPH.	CARB.		S	C-O	Pb
60,450	296950	ZQ71/158.2								
452	951	181.7								
453	952	187.0								
454	957	259.6								
455	958	264.9								
456	960	295.5	x	x						
457	962	299.0							x	
458	964	302.6								
459	965	314.6								
460	966	326.4								
461	969	341.6								
462	970	346.5			x			x		
463	972	355.8								
464	973	345.2								
465	974	ZQ53/ 59.3							x	
466	976	122.8								
467	977	148.6								
468	978	182.3								
469	979	212.3								
470	980	237.1								
471	981A	239.1								
472	981B	239.1						x		
473	982	240.3								
474	983	242.3								
475	984	245.5								
476	985	246.5	x	x		x		x	x	
477	986	249.1								
478	987A	250.5	x	x			x			
479	987B	250.5							x	
480	988A	251.1				x	x		x	
481	988B	251.1								
482	989	254.8								
483	990	256.6								
484	991A	259.5	x	x						
485	991B	259.5								
486	992	260.9						x		
487	993	262.9								
488	994	266.7								
489	995	269.3								
490	996	279.7								
491	296998	301.2								
492	304628	ZQ60/270.7							x	
493	630A	60,610/61,740 - Queen Hill bench rubble								
494	632	ZM37/190.6								
495	304633	178.5								
496	QHSP	60,610/61,740 - Queen Hill stockpile								
497	Dunn-1	60,650/62,010 - Dunns tunnel dump								
498	(264469)	ZQ51/108.5								
60,499	(264934)	ZS81/435.1	x	x						

ADDITIONAL GEOCHEMICAL SAMPLES WITHOUT PETROLOGIC DESCRIPTIONS

SAMPLE No.			GEOCHEM		LITHOLOGY
UNE	Field		OXIDE	TRACE	
60,501	251667	ZQ55/162.5	x	x	CC - laminated siltstone (qz Py cb vein)
502	251945	ZM67/182.2	x	x	PP - brecciated silic. dolomite (cb Py vein)
503	264159	ZS84/449.7	x	x	CC - tuffaceous lithic silty sandstone
504	264392	ZQ48/135.7	x	x	QH - dolomite (Sp qz vein)
505	264747	ZQ49/ 50.8	x	x	MV - lithic tuff (qz cb vein)
506	264763	ZQ49/158.9	x	x	QH - brecciated dolomite (Gn 30%, Py)
507	264942	ZS81/458.0	x	x	CC - tuff (Po sd vein)
508	264996	ZS69/129.6		x	CC - laminated pyritic siltstone/wacke
509	296751	ZS72/ 88.8	x	x	CC - silty shale with siderite/pyrite
510	296754	ZS72/138.9	x	x	CC - silty shale
511	296756	ZS72/195.5	x	x	CC - mudstone/siltstone (cb vein)
512	296768	ZS72/280.9	x	x	CC - mudstone/siltstone with Po Py
513	296769	ZS72/286.4	x	x	CC - Po 40%,chlorite replaced sediment
514	296786	ZS40/ 89.5	x	x	CC - volcanic wacke (cb vein)
515	296788	ZS40/150.7	x	x	CC - mudstone (siderite vein)
516	296797	ZS40/257.6	x	x	CC - Po Py qz cb mineralized siltstone
517	296799	ZS40/266.4	x	x	OF - phlogopite Py mineralized siltstone
518	296805	ZS81/126.2	x	x	CC - volcanic wacke (Py & cb veins)
519	296808	ZS81/224.0	x	x	CC - shale/wacke (cb vein)
520	296860	ZS82/145.6		x	PP - interbedded dolomite/shale
60,521	296916	ZM78/162.5		x	CC - volcanic wacke (cb vein)

CC - Crimson Creek Formation, PP - Poverty Point Beds, QH - Queen Hill Beds, MV - Montana Volcanics, OF - Onah Formation clastics