



BRITISH GEOLOGICAL  
SURVEY

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MINERAL RECONNAISSANCE PROGRAMME  
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**Mineral Investigations in the Scardroy Area,  
Highland Region, Scotland**

*Compilation and  
Geochemistry:*

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This data package relates to work  
carried out by the British Geological  
Survey on behalf of the Department  
of Trade and Industry.

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## INTRODUCTION

The discovery by Consolidated Goldfields of the Gairloch Cu-Zn-Au deposit in 1983 was one of the more notable successes for mineral exploration in the United Kingdom (Jones et al., 1987). Integrated exploration outlined a severely deformed, but potentially economic, volcanic-hosted massive sulphide deposit (Besshi-style) within the Loch Maree Group near Gairloch. The work was concentrated over the Gairloch Schist Belt which forms the main outcrop of the Loch Maree Group on the western side of the Loch Maree Fault. Reconnaissance studies were carried out by Consolidated Goldfields over the Loch Maree Schist Belt to the east of the fault and also in the Scardroy area further to the south east (Jones et al., *op. cit.*) but the results of these studies were not presented in the published paper. As Besshi-style VMS deposits are often stratigraphically controlled and extend over long distances, further exploration was warranted in rocks of similar age. This open file report gives the results of a geochemical survey of the Scardroy area which was carried out by the British Geological Survey as part of the Mineral Reconnaissance Programme (MRP) for the Department of Trade and Industry. A brief introduction to the geology and regional geochemistry of the Scardroy area is given before the results of the MRP survey.

The Scardroy area is situated about 45 km to the south-east of Gairloch and about the same distance west of Inverness. It is drained by the rivers Meig and Corrin at the head of Strathconan but extends to the south west as far as Loch Monar (Figure 1). Most of the area is mountainous moorland given over to deer forest with a few coniferous plantations in the lower valleys.

## REGIONAL GEOLOGY

The Lewisian rocks were mapped by the Geological Survey in 1913 as part of Sheet 82 Lochcarron (Peach et al., 1913) and form an irregular 'mushroom-like' shape with the base of the stem pointing down the River Meig valley by Loch Beannacharain. Smaller slices occur within the Moine south-east of the Strathconan fault. The Lewisian probably forms allochthonous basement slices caught up in the later Caledonian deformation and the irregular shape is the result of interference folds. The main rock types present in the inlier are fairly typical acid and hornblende gneisses and amphibolite but small outcrops of ultrabasic rock and metalimestone are also present (Sutton and Watson, 1953). The Moine rocks are composed of psammites and pelites which form part of the Morar and Glenfinnan Divisions (Craig, 1983).

The area is cut by the major north-east - south-west trending fault zone of the Strathconan fault which extends from Loch Hourn on the western seaboard for 95 km to Carn Chuinneag. The other major fault in the area is shown as a discontinuous feature running north-west - south-east. This may be a

continuation of the similar trending Loch Maree fault and could well run down Loch Beannacharain and terminate against the Strathconan fault as suggested in the memoir (Hinxman p.83 in Peach et al., 1913) but not as shown on the geological map.

No mineralisation is recorded in the Survey memoir of the area, except for a mention of pyrite in graphitic schists in the Glen Strath Farrar inlier. Anderson states in one section of the memoir that they are comparable with pyritic graphite schist in the Dornie area which contain 'a very small amount of gold' (Sheet 71 Memoir).

## REGIONAL GEOCHEMICAL DATA

Regional mapping of the Scardroy area was undertaken by the Geochemical Survey Programme (GSP) in 1974-75 as part of the systematic sampling of the Great Glen 1:250,000 map area (Johnstone et al., 1979 and BGS, 1987). On the north-east side of Loch Maree a prominent linear north-west trending zone of high Cu (up to 220 ppm) and, to a lesser extent, high Co, Ni and Zn is associated with the Loch Maree Group supracrustal schists and amphibolites. These are known to contain pyrite-chalcopyrite mineralisation on the north side of Loch Maree (Peach et al. 1907).

A possible extension of this anomalous zone south-eastward along the Loch Maree fault and into the Moine nappe can be identified from the coloured digital image presented in the Great Glen geochemical atlas (BGS, 1987). Within the 150 sq km project area, (Figure 2) six Cu values exceed 40 ppm, (maximum 102 ppm) and lie along a north-west - south-east trending linear feature. This runs sub-parallel to, but offset 1-2 km south-west of the main fault. A further anomalous site (63 ppm) directly overlies the fault [220375 852610]. The source of these copper anomalies appears to lie principally within tectonically emplaced Lewisian amphibolite and associated hornblende gneiss. However, south-eastwards on the same trend, faulted and crushed Moine pelites give rise to a value of 89 ppm Cu at [220985 850335]. South-east of the termination of the Loch Maree fault against the Strathconan fault, two further anomalies (52, and 56 ppm) are associated with Lewisian acid and hornblende schist, and a third (61 ppm), with Moine pelites. All occur in rocks extensively crushed by movement along the Strathconan fault.

Follow-up stream sediment sampling generally confirmed the location of the original GSP anomalies, but with improved geochemical contrast and higher mean levels for most elements. In the upper reaches of the most anomalous catchment (Coire a' Bhuic), MRP sediments contain 82, 138 and 263 ppm Cu, compared with GSP samples from the same area with 43, 45, and 54 ppm Cu. This reflects in part differences in sampling and analysis, as GSP samples were dry screened to  $-150\mu\text{m}$  and analysed by Direct Reading Emission Spectrometry. However, some variation can be identified as the

result of sample site selection. For example, the GSP maximum Cu value of 102 ppm recorded from a poorly drained peaty area downstream of Loch Coire a' Bhuic was not reproduced in the MRP sampling (25 ppm).

#### MRP GEOCHEMICAL SURVEY

160 samples of heavy mineral concentrates and stream sediments were collected within the Scardroy area. Their location is shown on Figure 2. The concentrates were prepared by panning 4 litres of -2 mm sediment using the methods described by Gunn (1989). The stream sediments were prepared by wet sieving through a 150 µm nylon sieve using standard BGS techniques.

The concentrate samples were analysed for Ca, Ti, V, Mn, Fe, Co, Ni, Cu, Zn, Y, Zr, Nb, Ag, Sn, Sb, Ba, La, Ce, Pb, Th and U by X-Ray fluorescence spectrometry at the BGS Applied Geochemistry Group laboratory. Au was determined by Acme Analytical Laboratory using an AAS finish after MIBK extraction of an aqua regia attack on 10 g of sample. The stream sediment samples were analysed by XRF for Ca, Ti, V, Mn, Fe, Co, Ni, Cu, As, Zr, Nb, Mo, Ag, Sn, Sb, Ba, La, Ce, Pb, Bi, Th, and U by the same method.

#### Au anomalies

KLP 3559	225190	853680	220 ppb	Allt Glen Meinich
KLP 3605	223870	848110	4960 ppb	N side Strathconon fault
KLC 3571	222545	857015	67 ppb	Sgurr a'Choire rainich
KLC 3597	217812	848740	86 ppb	Meall Innis na Sine
KLC 3605	223870	848110	81 ppb	W side Strathconon fault
KLC 3642	219760	845120	54 ppb	River Orrin, E trib.

#### Cu anomalies

KLP 3541	220360	852600	49 ppm	Scardroy Burn, N side
KLC 3502	217080	851780	138 ppm	Coir' a'Bhuic
KLC 3504	216770	851770	263 ppm	Coir' a'Bhuic
KLC 3505	219570	851160	57 ppm	Allt Coir' a'Bhuic
KLC 3506	216690	851870	82 ppm	Coir' a'Bhuic
KLC 3530	218940	853360	55 ppm	Scardroy Burn, N side
KLC 3606	226680	848680	63 ppm	Creagan a Chaorain

The gold anomalies are clustered along the Strathconon fault in the streams draining into Glen Meinich (KL 3558, 3559, 3560, 3571) (Figures 3 and 4). The elevated Au levels in the Allt Gleann

Meinich probably demonstrate the effect of fluvial reworking and upgrading of glacial material. The original source of the Au may be within the Lewisian amphibolite which forms the northern flank of Sgurr a'Glas Leathaid (shown as spot height 844 m). The Strathconon fault is marked by a mile-wide zone of crushed and hematite-stained rock (Peach et al., 1913). The Au anomalies found in the streams adjacent to the fault are probably related to these crush zones. KLC 3597 with 86 ppb Au was collected from a stream draining a north-west - south-east crush zone which contained minor sulphides and some gossanous alteration in rock samples KLR 3667 and 3668. Minor Au-bearing mineralisation is recorded by Alderton (1988) in the vicinity of the Strathconan fault system in the Ratagain complex, 45 km to the south-west.

High Cu values in stream sediments are found in the Allt Coir' a'Bhuic confirming the pattern of the regional survey. The anomaly extends for 2.5 km downstream, and the three headwater streams draining Craig Coir' a'Bhuic (KLC 3502, 3504 and 3506) contain anomalous Cu. However, none of the panned concentrates from this area are anomalous. Detailed investigation of the exposures revealed the presence of chalcopyrite-bearing pyrrhotite bodies up to 4 m in thickness, hosted by Lewisian amphibolite. These sulphide bodies are strongly deformed and irregularly podiform in shape. Samples KLR 3669-3673 contain up to 2976 ppm Cu, 188 ppm Co, 176 ppm Ni, 991 ppm Zn and 12 ppm Ag. Minor Cu anomalies are found in Scardroy Burn, with values of about 50 ppm in one panned concentrate and stream sediment sample. The sample KLP 3530 was collected from a stream that drains the same amphibolite body as Allt Coir' a'Bhuic and there may be a similar sulphide body in the catchment.

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## **FIGURES**

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**Figure 4 Distribution of Au in stream sediments**

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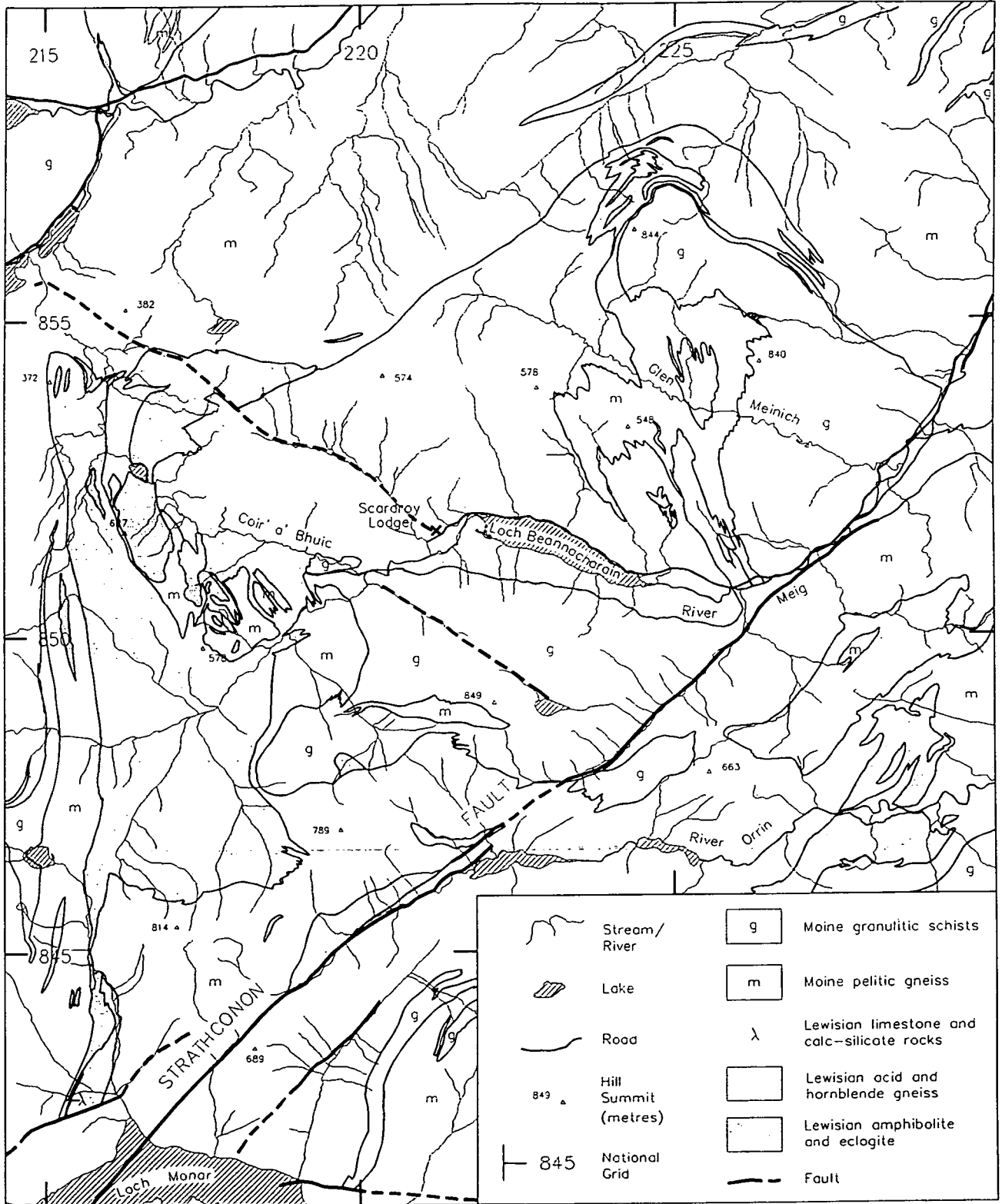
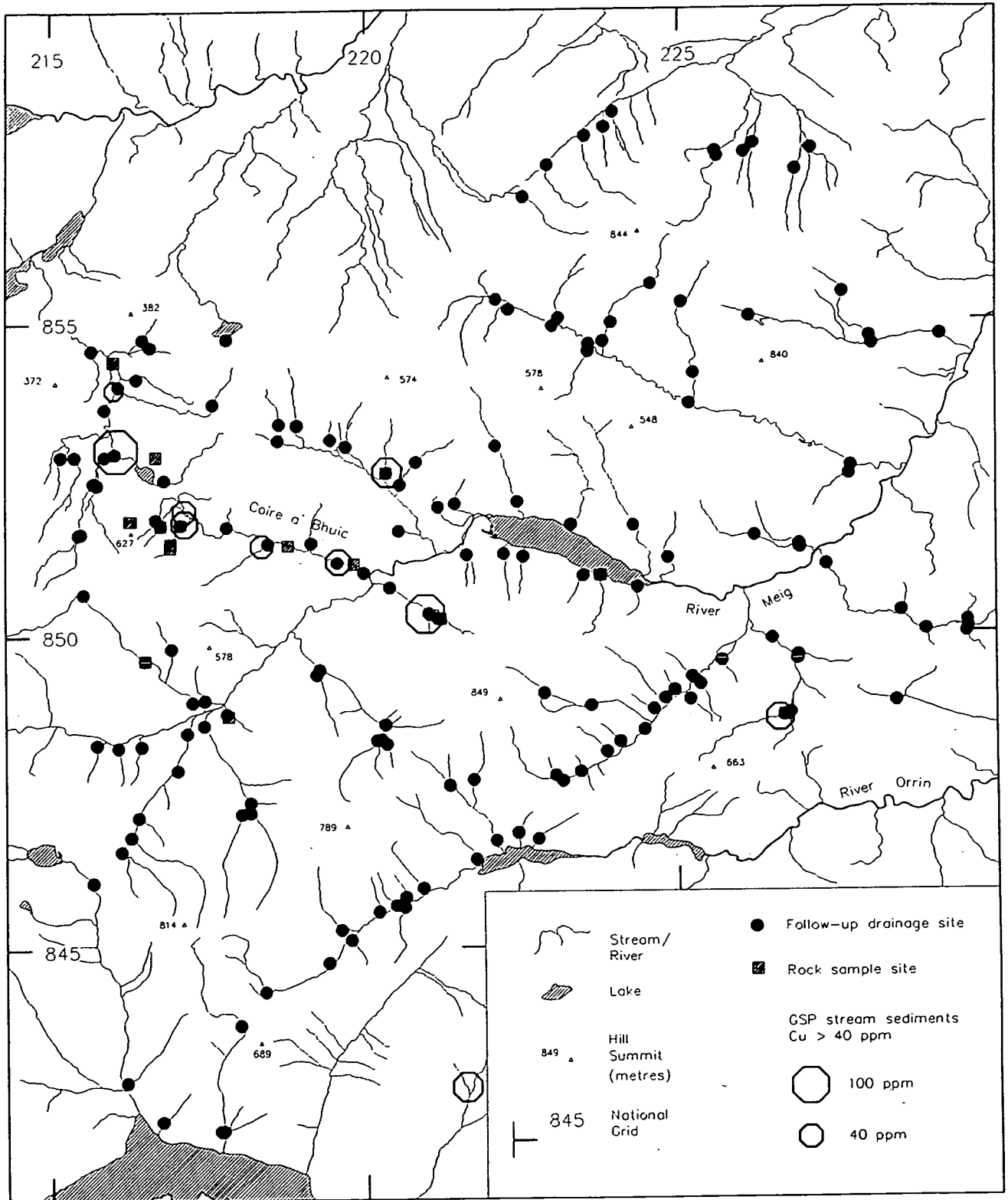
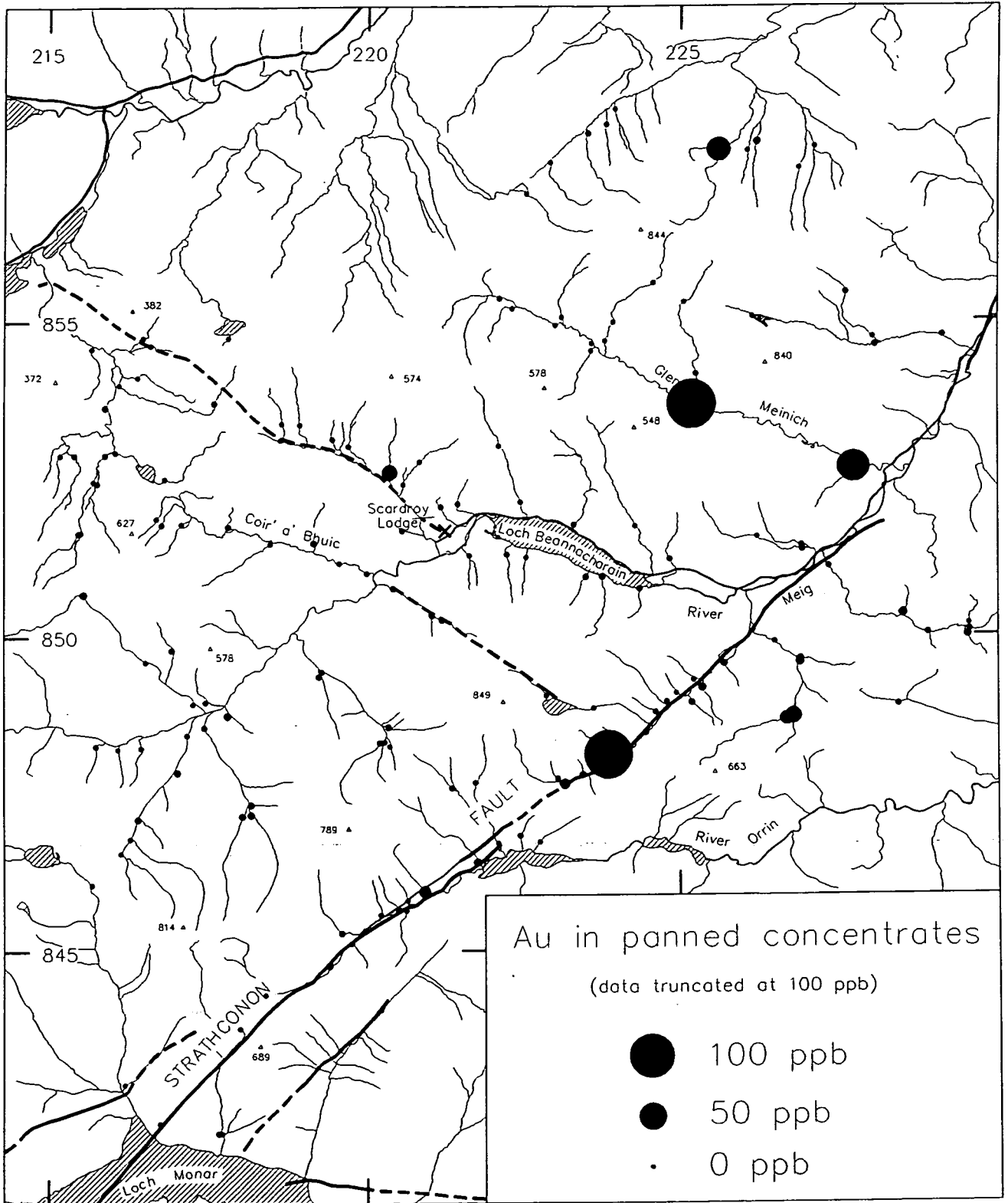


Figure 1 Geological map of the Scardroy area



**Figure 2** Location of rock and drainage sites in the Scardroy area



**Figure 3** Distribution of Au in panned concentrates

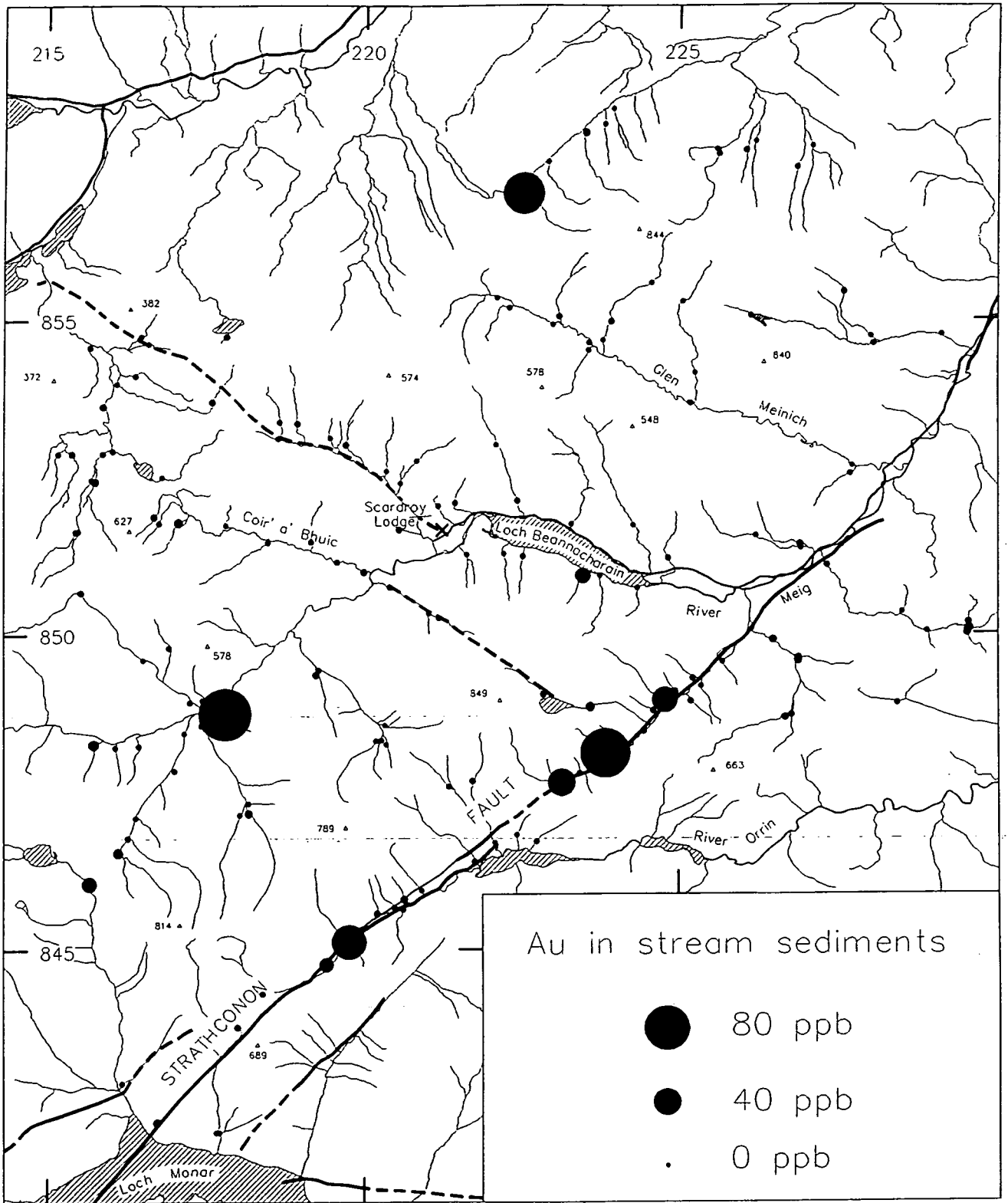


Figure 4 Distribution of Au in stream sediments

Table 1 Scardroy stream sediment data

Scardroy Stream Sediment Data

Sample Reference	Easting	Northing	Ca (ppm)	Ti (ppm)	V (ppm)	Mn (ppm)	Fe (ppm)	Co (ppm)	Ni (ppm)	Cu (ppm)
KLC3501	232030	0854970	20000	5970	104	1570	55100	18	28	24
KLC3502	217080	0851780	51600	9320	318	2950	108300	31	105	138
KLC3503	220000	0851000	30600	7570	195	3920	86900	44	58	41
KLC3504	216770	0851770	31300	7120	341	1460	107000	49	117	263
KLC3505	219570	0851160	33700	7420	203	4280	87500	48	68	57
KLC3506	216690	0851870	51000	10410	278	3280	110900	66	141	82
KLC3508	216820	0852500	21400	4700	126	3520	148700	21	32	20
KLC3509	219160	0851480	31900	6990	174	8840	110500	34	48	31
KLC3510	216040	0852920	27600	5760	131	2060	66600	27	54	25
KLC3512	215880	0852880	32600	5920	131	1610	60200	26	63	18
KLC3513	218480	0851470	31900	6860	192	3010	83300	43	58	38
KLC3514	215180	0852880	8100	4520	75	9690	61400	33	11	9
KLC3515	217820	0851740	29600	5350	171	6810	141900	34	35	25
KLC3516	215400	0852880	8100	4690	75	3780	45300	21	20	8
KLC3517	215760	0852430	32800	5400	135	2080	60200	37	60	25
KLC3518	217600	0853700	28400	6030	181	5020	154500	41	38	35
KLC3519	215700	0852460	26100	5410	109	2520	53800	31	101	24
KLC3520	217820	0854740	32600	8880	135	5220	75400	22	30	30
KLC3521	215500	0851650	16400	5300	128	5100	56900	36	26	25
KLC3522	216480	0854740	23600	5720	140	7020	72200	25	37	21
KLC3523	215460	0851640	7500	4750	65	2470	43000	17	15	12
KLC3524	216600	0854620	20000	5290	111	5070	98700	22	29	25
KLC3525	216390	0854110	30400	6030	204	5200	199400	28	45	44
KLC3526	218640	0853120	28000	4290	136	5070	163100	16	31	17
KLC3527	216100	0853990	31800	5800	164	3480	86000	27	40	24
KLC3528	218660	0853380	26700	5800	151	15550	111300	33	46	35
KLC3529	215880	0853630	33800	5930	190	2360	107800	27	52	30
KLC3530	218940	0853360	28500	5960	138	4410	62800	29	66	55
KLC3531	215880	0853630	33700	5720	193	3010	119500	27	52	34
KLC3532	220840	0852770	25700	6540	152	3930	66800	30	70	38
KLC3534	221190	0852050	30100	5830	179	1920	124500	34	54	45
KLC3535	215670	0854570	24300	6200	147	4680	127000	30	30	22
KLC3536	222120	0855360	35300	6380	147	1330	60400	28	66	36
KLC3537	219460	0853130	31700	5670	121	1120	48500	20	36	23
KLC3538	222320	0855200	28300	6000	159	3710	80600	47	62	26
KLC3539	219710	0853020	35900	6400	149	1680	61200	27	64	30
KLC3540	223020	0854930	36200	5930	139	1340	57300	26	58	30
KLC3541	220360	0852600	27700	6940	195	3650	82700	40	75	45
KLC3542	223120	0855060	37300	6020	137	2930	65000	29	75	26
KLC3543	220580	0852410	32300	6340	157	1870	65700	31	58	26
KLC3544	223590	0854520	43200	6620	138	1100	59400	27	69	15
KLC3545	221460	0852100	27000	5860	144	3200	72400	40	60	37
KLC3546	223600	0854640	33700	4930	130	1590	64300	25	51	27
KLC3547	220560	0851670	29700	5710	140	3140	66000	31	49	24
KLC3548	226220	0851570	21200	6660	161	6640	122000	55	25	17
KLC3549	223820	0854680	27600	7630	143	2480	64800	51	63	38
KLC3550	226930	0851370	21300	8730	175	1660	86000	22	19	14
KLC3551	223950	0854980	18000	7780	133	2340	60500	47	39	28

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Scardroy Stream Sediment Data

Sample Reference	Easting	Northing	Ca (ppm)	Ti (ppm)	V (ppm)	Mn (ppm)	Fe (ppm)	Co (ppm)	Ni (ppm)	Cu (ppm)
KLC3552	226920	0851430	21700	9250	167	1420	82000	24	21	27
KLC3553	224580	0855600	10100	7760	137	2090	64000	43	34	32
KLC3554	227340	0851100	18600	5380	103	3130	55700	67	21	21
KLC3555	225070	0855300	17200	7550	127	3370	57400	53	27	18
KLC3556	227700	0852550	13900	5980	125	4690	112700	101	15	10
KLC3557	225260	0854160	23300	5460	101	1710	45200	28	28	18
KLC3558	227730	0852680	34500	6360	127	1120	53100	21	44	20
KLC3559	225190	0853680	36600	5520	131	1380	55900	25	50	23
KLC3560	225600	0857720	36400	6080	146	2640	69400	44	62	33
KLC3561	228060	0854619	16300	8030	117	1950	65300	28	20	16
KLC3562	225630	0857640	37700	5820	127	2500	59800	30	55	15
KLC3563	228022	0854741	22600	7590	113	1300	51700	21	29	20
KLC3564	226050	0857700	27700	5300	125	7640	86500	57	46	18
KLC3565	226138	0855070	27400	4990	119	8110	95900	53	47	14
KLC3566	226200	0857840	14000	6620	109	940	49500	15	20	8
KLC3567	227600	0855450	28700	6660	117	1760	63700	25	36	18
KLC3568	226860	0857420	28700	4460	103	3630	65700	31	35	13
KLC3569	229120	0854760	19300	7860	113	1930	56900	27	25	18
KLC3570	227100	0857760	17100	5080	89	2300	46800	25	16	5
KLC3571	222545	0857015	22700	5210	116	1980	56400	25	30	10
KLC3572	222110	0853020	44600	7550	139	2300	58800	30	61	25
KLC3573	222932	0857520	15500	3960	72	2120	36100	18	19	6
KLC3574	222460	0852130	40500	6270	149	1640	62500	31	69	41
KLC3575	223531	0857980	24800	4750	112	5480	64800	35	51	21
KLC3576	223320	0851760	40700	8140	191	2230	81300	46	57	49
KLC3577	223829	0858120	8100	5490	100	5890	52600	24	44	25
KLC3578	224300	0851740	35200	5670	129	3190	61900	38	51	25
KLC3579	223963	0858361	10800	3860	61	5130	40800	21	19	9
KLC3580	224850	0851220	31900	6160	136	5560	76200	52	60	30
KLC3581	221647	0851280	19900	6670	155	2250	73200	40	58	33
KLC3582	215540	0850680	17000	5950	125	4880	68400	37	25	20
KLC3583	222244	0851294	22200	6430	158	1660	67300	33	68	50
KLC3584	216520	0849600	26200	6710	160	2920	75600	41	95	41
KLC3585	222552	0851251	21200	5710	120	1210	51900	31	67	32
KLC3586	216930	0849790	44500	7570	163	1560	66700	34	82	34
KLC3587	223512	0850939	25000	6720	123	1180	51900	21	32	18
KLC3588	217260	0848930	30400	6000	158	2740	73300	41	82	40
KLC3589	223780	0850941	25200	7110	146	1610	61800	29	40	23
KLC3590	217460	0848960	33900	5980	152	2550	80700	42	69	29
KLC3591	224369	0850749	25600	6140	113	1440	53700	24	45	21
KLC3592	225230	0849300	16100	8650	147	1630	70100	31	28	26
KLC3593	217172	0848436	30000	5110	123	1980	55700	30	73	28
KLC3594	224950	0849090	18900	8340	132	2490	65900	30	23	19
KLC3595	217443	0848558	25000	4760	114	1860	54000	31	109	28
KLC3596	224800	0848960	18900	8810	166	2920	77400	41	21	14
KLC3597	217812	0848740	35600	5750	130	1570	59300	32	75	40
KLC3598	226490	0849910	18600	7210	110	1740	54700	19	31	22
KLC3599	219240	0849361	17600	9440	151	1840	63400	29	30	20

BRITISH GEOLOGICAL SURVEY  
Mineral Reconnaissance Programme

Scardroy Stream Sediment Data

Sample Reference	Eastings	Northings	Ca (ppm)	Ti (ppm)	V (ppm)	Mn (ppm)	Fe (ppm)	Co (ppm)	Ni (ppm)	Cu (ppm)
KLC3600	226900	0849640	15300	6450	90	1930	55700	19	26	18
KLC3601	219285	0849440	19700	8190	145	1570	67400	31	33	27
KLC3602	226890	0849580	22800	6690	125	2520	60000	21	33	33
KLC3603	224620	0848790	16600	8440	158	2340	80300	34	63	13
KLC3604	226780	0848720	43600	9220	219	6880	125000	35	34	36
KLC3605	223870	0848110	17100	8210	137	1470	74100	29	53	42
KLC3606	226680	0848680	34200	7380	177	1530	67200	23	51	63
KLC3607	223460	0847790	16200	9550	142	1180	70700	25	42	35
KLC3608	225200	0848940	15900	7830	98	1370	58500	21	55	25
KLC3609	223173	0847644	18200	7260	112	1510	54900	21	50	24
KLC3610	225360	0849180	10800	5970	74	2340	45100	18	17	41
KLC3611	223170	0847640	9300	5870	89	2360	67600	139	79	42
KLC3612	225700	0849560	7800	4820	57	2400	35800	15	12	11
KLC3613	220420	0850760	39700	12900	292	1970	94100	30	35	30
KLC3614	221740	0847670	27400	6360	110	1190	51700	23	77	45
KLC3615	221040	0850340	30400	12260	229	2890	79200	44	28	26
KLC3616	221360	0847580	12500	4630	69	1270	39400	18	27	14
KLC3617	221200	0850260	33200	12260	294	1970	96600	34	39	32
KLC3618	220360	0848250	13600	5440	77	770	34000	13	21	16
KLC3619	221200	0850260	20900	8650	159	1780	72600	36	28	21
KLC3620	220280	0848320	20000	5260	103	1980	47600	24	30	19
KLC3621	224080	0848270	18800	8820	185	1350	67800	28	34	33
KLC3622	220200	0848310	28000	6370	134	1360	58200	26	42	26
KLC3623	223060	0847730	11500	7590	112	2050	70500	26	32	18
KLC3624	220340	0848560	16000	9500	147	1280	71900	29	35	31
KLC3625	222770	0846720	11100	5940	106	1350	59600	19	28	29
KLC3626	228420	0848900	19300	4480	103	8580	77800	31	26	17
KLC3627	222450	0846820	27400	5820	128	1300	58000	28	54	33
KLC3628	229520	0850000	19500	3640	67	1220	35800	15	70	13
KLC3629	222100	0846700	20400	4770	92	980	42000	16	34	24
KLC3630	229520	0850000	18600	3590	71	1360	38000	17	75	11
KLC3631	221770	0846400	35700	5580	134	2150	59400	30	59	34
KLC3632	229540	0850180	27900	5160	102	2690	55000	22	32	23
KLC3633	218040	0847140	25100	4910	120	3160	59000	32	48	27
KLC3634	229550	0850080	18800	4910	89	2530	46700	19	22	14
KLC3635	218180	0847160	24700	5110	117	3370	53500	38	39	29
KLC3636	228890	0850040	18100	4590	99	3400	57300	26	24	14
KLC3637	218180	0847320	17800	4590	99	3970	81200	55	48	30
KLC3638	228500	0850350	32000	6870	146	10300	110800	50	50	33
KLC3639	217020	0847840	29300	5750	129	1420	53300	33	70	46
KLC3640	219600	0845280	30300	5110	123	1610	56000	30	81	35
KLC3641	216401	0847095	29500	4830	119	1370	51400	27	70	36
KLC3642	219760	0845120	7600	5400	72	1960	55800	12	13	15
KLC3643	216279	0846781	29300	5320	126	1570	51700	24	46	38
KLC3644	219400	0844760	11900	5370	122	2770	61200	25	31	46
KLC3645	216124	0846552	21400	4930	93	2930	44400	25	43	17
KLC3646	218000	0843770	21400	5020	125	3090	50100	28	26	33
KLC3647	215672	0846055	14500	4820	79	3330	44400	25	18	20

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Sample Reference	Easting	Northing	Ca (ppm)	Ti (ppm)	V (ppm)	Mn (ppm)	Fe (ppm)	Co (ppm)	Ni (ppm)	Cu (ppm)
KLC3648	216190	0842880	13500	6460	88	3980	52200	22	21	20
KLC3649	220920	0845940	16100	4170	83	1160	37300	17	43	20
KLC3650	216750	0842260	7600	7280	107	1870	59900	20	31	36
KLC3651	220640	0845800	22500	5020	103	1990	50600	21	33	24
KLC3652	217720	0842100	9200	5250	72	4340	46800	23	18	14
KLC3653	220620	0845640	10900	5700	65	950	33300	13	15	14
KLC3654	217670	0842100	16700	8880	120	1710	58400	25	33	28
KLC3655	220490	0845670	14500	5240	84	1540	46600	18	25	23
KLC3656	218400	0844300	10600	4950	171	1250	35600	15	20	17
KLC3657	220210	0845570	24500	4430	97	6630	64600	22	41	28
KLC3658	216450	0848230	33500	5490	126	1130	66900	22	48	23
KLC3659	222880	0849050	17600	8130	142	1660	75600	29	33	24
KLC3660	216080	0848210	27800	5650	109	1110	50400	20	36	44
KLC3661	223630	0848850	23000	8130	164	1890	88000	23	18	32
KLC3662	215740	0848260	12000	4890	56	3950	42200	22	10	8
KLC3663	224470	0848460	14600	7950	120	1570	60400	21	29	43



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Sample Reference	Eastings	Northings	Zn (ppm)	As (ppm)	Zr (ppm)	Nb (ppm)	Mo (ppm)	Ag (ppm)	Sn (ppm)	Sb (ppm)	Ba (ppm)
KLC3501	232030	0854970	65	5	758	13	8.0	0.0	3	2.0	419
KLC3502	217080	0851780	171	4	178	8	13.0	6.0	5	3.0	163
KLC3503	220000	0851000	129	0	264	10	6.0	2.0	0	1.0	384
KLC3504	216770	0851770	261	13	187	7	26.0	3.0	0	0.0	201
KLC3505	219570	0851160	131	3	268	10	9.0	3.0	4	2.0	317
KLC3506	216690	0851870	185	3	231	11	11.0	3.0	2	0.0	225
KLC3508	216820	0852500	90	4	291	8	8.0	2.0	0	1.0	349
KLC3509	219160	0851480	125	2	325	8	8.0	2.0	0	0.0	404
KLC3510	216040	0852920	78	0	515	10	12.0	3.0	3	2.0	419
KLC3512	215880	0852880	74	2	394	12	9.0	3.0	0	1.0	439
KLC3513	218480	0851470	98	2	312	9	14.0	3.0	0	0.0	293
KLC3514	215180	0852880	39	8	704	10	10.0	1.0	6	0.0	525
KLC3515	217820	0851740	98	9	210	7	14.0	3.0	1	0.0	296
KLC3516	215400	0852880	49	2	855	10	6.0	0.0	1	0.0	580
KLC3517	215760	0852430	78	0	329	11	10.0	1.0	1	0.0	495
KLC3518	217600	0853700	92	3	354	8	10.0	6.0	2	1.0	371
KLC3519	215700	0852460	74	4	652	12	11.0	0.0	0	0.0	425
KLC3521	215500	0851650	78	4	443	17	6.0	2.0	1	0.0	510
KLC3522	216480	0854740	113	6	606	10	12.0	1.0	3	0.0	444
KLC3523	215460	0851640	65	4	521	8	15.0	3.0	5	1.0	469
KLC3524	216600	0854620	91	3	696	10	8.0	3.0	1	0.0	603
KLC3525	216390	0854110	125	7	199	9	6.0	4.0	2	0.0	440
KLC3526	218640	0853120	83	7	191	6	13.0	2.0	0	0.0	292
KLC3527	216100	0853990	98	0	462	8	6.0	1.0	2	1.0	381
KLC3528	218660	0853380	159	3	296	8	5.0	4.0	2	0.0	584
KLC3529	215880	0853630	88	11	305	9	14.0	1.0	3	1.0	361
KLC3530	218940	0853360	88	2	438	10	9.0	2.0	1	0.0	500
KLC3531	215880	0853630	94	21	302	9	13.0	5.0	2	2.0	361
KLC3532	220840	0852770	88	2	436	10	7.0	2.0	1	1.0	445
KLC3534	221190	0852050	83	1	291	10	9.0	4.0	5	5.0	353
KLC3535	215670	0854570	89	7	519	10	19.0	2.0	1	0.0	444
KLC3536	222120	0855360	64	0	505	11	18.0	4.0	0	0.0	367
KLC3537	219460	0853130	56	0	697	11	10.0	2.0	1	1.0	401
KLC3538	222320	0855200	98	3	355	10	11.0	3.0	1	0.0	363
KLC3539	219710	0853020	70	0	461	9	9.0	2.0	3	0.0	340
KLC3540	223020	0854930	63	2	450	11	7.0	2.0	2	0.0	338
KLC3541	220360	0852600	117	3	319	10	8.0	2.0	2	1.0	276
KLC3542	223120	0855060	98	4	381	11	5.0	2.0	2	0.0	311
KLC3543	220580	0852410	67	2	353	12	5.0	1.0	4	4.0	338
KLC3544	223590	0854520	47	1	375	13	9.0	4.0	1	0.0	315
KLC3545	221460	0852100	81	4	412	9	9.0	3.0	0	0.0	366
KLC3546	223600	0854640	66	6	315	9	4.0	3.0	2	0.0	355
KLC3547	220560	0851670	91	3	359	10	11.0	1.0	2	1.0	370
KLC3548	226220	0851570	129	12	351	10	7.0	0.0	1	0.0	423
KLC3549	223820	0854680	93	3	464	14	8.0	0.0	1	0.0	457
KLC3550	226930	0851370	56	4	456	11	9.0	2.0	1	0.0	329
KLC3551	223950	0854980	103	2	619	16	8.0	1.0	0	0.0	592

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KLC3552	226920	0851430	70	5	538	14	15.0	3.0	4	0.0	391
KLC3553	224580	0855600	111	5	586	18	2.0	1.0	3	0.0	612
KLC3554	227340	0851100	78	4	575	13	11.0	3.0	4	1.0	437
KLC3555	225070	0855300	88	1	736	13	2.0	3.0	3	0.0	671
KLC3556	227700	0852550	110	10	354	12	4.0	2.0	0	0.0	457
KLC3557	225260	0854160	57	2	810	10	13.0	3.0	5	0.0	498
KLC3558	227730	0852680	55	2	840	12	23.0	1.0	0	0.0	363
KLC3559	225190	0853680	57	2	469	9	9.0	0.0	0	2.0	359
KLC3560	225600	0857720	95	5	325	10	13.0	0.0	2	1.0	378
KLC3561	228060	0854619	84	1	489	17	13.0	2.0	0	2.0	452
KLC3562	225630	0857640	64	3	393	10	18.0	1.0	1	0.0	367
KLC3563	228022	0854741	68	3	634	15	7.0	1.0	0	0.0	458
KLC3564	226050	0857700	113	3	512	9	15.0	3.0	1	1.0	539
KLC3565	226138	0855070	103	3	447	9	8.0	5.0	0	0.0	545
KLC3566	226200	0857840	61	2	674	13	8.0	0.0	2	0.0	627
KLC3567	227600	0855450	62	5	465	12	21.0	2.0	2	0.0	367
KLC3568	226860	0857420	58	4	381	9	11.0	1.0	3	2.0	378
KLC3569	229120	0854760	90	0	566	18	8.0	2.0	1	2.0	517
KLC3570	227100	0857760	33	5	876	13	13.0	0.0	0	0.0	563
KLC3571	222545	0857015	52	4	544	11	11.0	2.0	3	3.0	515
KLC3572	222110	0853020	66	2	330	12	13.0	4.0	3	1.0	317
KLC3573	222932	0857520	45	1	711	8	6.0	0.0	4	3.0	520
KLC3574	222460	0851130	60	3	298	10	9.0	3.0	3	2.0	289
KLC3575	223531	0857980	137	7	513	10	14.0	2.0	2	1.0	573
KLC3576	223320	0851760	90	3	306	11	7.0	1.0	3	2.0	263
KLC3577	223829	0858120	154	2	531	12	12.0	2.0	2	0.0	651
KLC3578	224300	0851740	72	0	349	11	18.0	3.0	2	0.0	333
KLC3579	223963	0858361	87	2	766	12	14.0	1.0	3	4.0	737
KLC3580	224850	0851220	98	4	444	11	16.0	3.0	2	1.0	406
KLC3581	221647	0851280	118	3	430	11	8.0	2.0	4	0.0	313
KLC3582	215540	0850680	77	6	543	11	17.0	0.0	4	1.0	552
KLC3583	222244	0851294	141	2	391	10	14.0	4.0	2	0.0	344
KLC3584	216520	0849600	103	3	516	11	11.0	4.0	4	2.0	370
KLC3585	222552	0851251	98	5	350	10	9.0	0.0	3	1.0	342
KLC3586	216930	0849790	94	0	437	15	13.0	3.0	1	3.0	373
KLC3587	223512	0850939	83	2	683	11	23.0	1.0	1	2.0	380
KLC3588	217260	0848930	108	1	379	9	6.0	3.0	0	0.0	365
KLC3589	223780	0850941	77	5	463	12	12.0	2.0	0	0.0	370
KLC3590	217460	0848960	112	2	331	9	10.0	4.0	0	0.0	437
KLC3591	224369	0850749	70	0	960	12	16.0	3.0	1	0.0	381
KLC3592	225230	0849300	118	3	711	17	9.0	2.0	0	1.0	474
KLC3593	217172	0848436	66	1	445	8	24.0	1.0	1	1.0	388
KLC3594	224950	0849090	95	4	839	14	9.0	2.0	0	0.0	433
KLC3595	217443	0848558	73	1	353	9	8.0	2.0	1	0.0	423
KLC3596	224800	0848960	112	8	810	12	9.0	1.0	2	0.0	386
KLC3597	217812	0848740	97	0	544	11	15.0	1.0	1	2.0	392
KLC3598	226490	0849910	91	2	1028	18	11.0	3.0	5	1.0	379
KLC3599	219240	0849361	76	3	670	13	31.0	2.0	4	0.0	397

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Sample Reference	Eastings	Northings	Zn (ppm)	As (ppm)	Zr (ppm)	Nb (ppm)	Mo (ppm)	Ag (ppm)	Sn (ppm)	Sb (ppm)	Ba (ppm)
KLC3600	226900	0849640	93	3	1027	18	7.0	2.0	5	0.0	439
KLC3601	219285	0849440	113	0	521	15	18.0	3.0	1	1.0	513
KLC3602	226890	0849580	99	1	963	16	10.0	2.0	3	1.0	347
KLC3603	224620	0848790	142	0	754	15	0.0	1.0	2	0.0	515
KLC3604	226780	0848720	110	5	436	14	11.0	3.0	2	0.0	263
KLC3605	223870	0848110	159	6	639	17	9.0	2.0	4	0.0	485
KLC3606	226680	0848680	110	2	768	16	9.0	3.0	3	0.0	318
KLC3607	223460	0847790	126	1	668	21	5.0	1.0	3	0.0	518
KLC3608	225200	0848940	99	2	1246	26	1.0	0.0	6	1.0	424
KLC3609	223173	0847644	71	3	877	15	8.0	1.0	1	1.0	495
KLC3610	225360	0849180	85	7	1447	18	10.0	0.0	6	2.0	379
KLC3611	223170	0847640	189	10	723	17	12.0	0.0	3	1.0	458
KLC3612	225700	0849560	80	6	1233	15	5.0	0.0	4	2.0	415
KLC3613	220420	0850760	121	0	518	13	5.0	5.0	5	2.0	355
KLC3614	221740	0847670	95	0	700	17	20.0	4.0	5	0.0	420
KLC3615	221040	0850340	97	5	781	12	11.0	3.0	3	0.0	340
KLC3616	221360	0847580	80	2	702	13	8.0	1.0	3	2.0	558
KLC3617	221200	0850260	127	2	472	14	3.0	7.0	4	1.0	407
KLC3618	220360	0848250	150	0	632	12	14.0	2.0	1	1.0	540
KLC3619	221200	0850260	124	3	544	15	4.0	4.0	2	0.0	456
KLC3620	220280	0848320	74	3	601	11	9.0	2.0	0	0.0	481
KLC3621	224080	0848270	94	4	1001	13	0.0	3.0	3	3.0	414
KLC3622	220200	0848310	91	1	481	11	12.0	3.0	0	1.0	476
KLC3623	223060	0847730	123	1	560	18	6.0	1.0	4	1.0	602
KLC3624	220340	0848560	121	3	622	19	8.0	1.0	1	0.0	521
KLC3625	222770	0846720	123	0	549	19	2.0	0.0	1	0.0	620
KLC3626	228420	0848900	123	7	610	9	16.0	2.0	1	2.0	424
KLC3627	222450	0846820	76	2	502	11	1.0	2.0	3	0.0	342
KLC3628	229520	0850000	39	2	555	10	9.0	0.0	2	1.0	402
KLC3629	222100	0846700	56	0	607	11	10.0	2.0	2	2.0	453
KLC3630	229520	0850000	40	3	444	10	7.0	1.0	2	2.0	387
KLC3631	221770	0846400	102	2	551	11	6.0	4.0	2	3.0	314
KLC3632	229540	0850180	56	4	602	9	18.0	0.0	2	3.0	397
KLC3633	218040	0847140	83	4	422	10	8.0	0.0	5	1.0	425
KLC3634	229550	0850080	41	7	495	9	14.0	0.0	4	2.0	482
KLC3635	218180	0847160	80	3	539	11	11.0	4.0	4	0.0	472
KLC3636	228890	0850040	52	5	519	10	17.0	1.0	0	1.0	564
KLC3637	218180	0847320	94	3	472	9	6.0	2.0	4	1.0	534
KLC3638	228500	0850350	107	5	489	10	8.0	3.0	3	0.0	310
KLC3639	217020	0847840	60	0	358	10	1.0	1.0	1	2.0	420
KLC3640	219600	0845280	76	3	495	11	10.0	3.0	7	5.0	386
KLC3641	216401	0847095	53	3	546	9	28.0	2.0	2	1.0	332
KLC3642	219760	0845120	106	6	1403	15	6.0	2.0	6	2.0	434
KLC3643	216279	0846781	70	2	529	9	7.0	1.0	0	0.0	357
KLC3644	219400	0844760	139	8	514	12	16.0	0.0	7	4.0	368
KLC3645	216124	0846552	75	5	551	11	9.0	2.0	4	1.0	512
KLC3646	218000	0843770	95	9	697	10	18.0	0.0	4	5.0	270
KLC3647	215672	0846055	50	6	517	11	19.0	0.0	6	5.0	565

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Sample Reference	Eastings	Northings	Zn (ppm)	As (ppm)	Zr (ppm)	Nb (ppm)	Mo (ppm)	Ag (ppm)	Sn (ppm)	Sb (ppm)	Ba (ppm)
KLC3648	216190	0842880	124	6	757	15	8.0	2.0	3	2.0	551
KLC3649	220920	0845940	61	3	671	11	6.0	2.0	3	0.0	416
KLC3650	216750	0842260	137	3	1239	23	11.0	2.0	4	0.0	723
KLC3651	220640	0845800	89	1	849	14	10.0	0.0	4	2.0	437
KLC3652	217720	0842100	83	8	712	14	6.0	0.0	2	1.0	465
KLC3653	220620	0845640	52	7	1111	12	13.0	0.0	4	3.0	347
KLC3654	217670	0842100	103	2	1454	17	21.0	3.0	3	2.0	419
KLC3655	220490	0845670	64	11	922	14	5.0	1.0	2	2.0	417
KLC3656	218400	0844300	57	2	1014	14	12.0	1.0	2	1.0	528
KLC3657	220210	0845570	140	9	452	11	7.0	2.0	0	1.0	471
KLC3658	216450	0848230	52	3	530	10	11.0	1.0	0	0.0	378
KLC3659	222880	0849050	116	6	549	17	1.0	3.0	3	0.0	598
KLC3660	216080	0848210	52	3	643	12	9.0	2.0	1	0.0	423
KLC3661	223630	0848850	78	11	663	11	18.0	2.0	2	1.0	358
KLC3662	215740	0848260	42	6	1153	14	16.0	1.0	1	0.0	520
KLC3663	224470	0848460	106	3	1171	16	16.0	1.0	2	0.0	452

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Sample Reference	Easting	Northing	La (ppm)	Ce (ppm)	Pb (ppm)	Bi (ppm)	Th (ppm)	U (ppm)	Au (ppb)
KLC3501	232030	0854970	43	100	23	0.0	9	5	1
KLC3502	217080	0851780	14	26	5	0.0	1	4	7
KLC3503	220000	0851000	23	52	19	0.0	8	5	4
KLC3504	216770	0851770	45	66	18	0.0	7	9	2
KLC3505	219570	0851160	18	45	13	0.0	5	5	2
KLC3506	216690	0851870	20	34	3	0.0	3	6	4
KLC3508	216820	0852500	18	30	9	0.0	7	12	1
KLC3509	219160	0851480	17	39	11	0.0	4	1	2
KLC3510	216040	0852920	25	37	11	2.0	7	1	2
KLC3512	215880	0852880	20	49	10	0.0	5	3	2
KLC3513	218480	0851470	28	45	11	1.0	5	5	2
KLC3514	215180	0852880	22	51	33	0.0	9	6	1
KLC3515	217820	0851740	19	29	22	0.0	6	2	1
KLC3516	215400	0852880	17	45	25	0.0	9	1	3
KLC3517	215760	0852430	21	37	13	2.0	2	1	5
KLC3518	217600	0853700	19	42	15	0.0	5	1	4
KLC3519	215700	0852460	29	61	20	1.0	6	0	1
KLC3520	217820	0854740	75	137	13	0.0	6	4	3
KLC3521	215500	0851650	33	68	31	0.0	5	3	1
KLC3522	216480	0854740	29	70	30	1.0	6	3	1
KLC3523	215460	0851640	28	57	126	0.0	12	3	2
KLC3524	216600	0854620	42	81	15	0.0	10	3	1
KLC3525	216390	0854110	42	60	10	1.0	6	3	2
KLC3526	218640	0853120	31	42	25	1.0	6	1	1
KLC3527	216100	0853990	18	34	11	0.0	4	0	2
KLC3528	218660	0853380	37	68	11	0.0	7	9	4
KLC3529	215880	0853630	25	45	18	0.0	4	2	4
KLC3530	218940	0853360	30	62	10	1.0	6	2	3
KLC3531	215880	0853630	24	42	9	1.0	3	3	2
KLC3532	220840	0852770	33	71	14	0.0	9	3	1
KLC3533	221190	0852050	63	131	13	0.0	10	2	2
KLC3534	215670	0854570	40	76	30	0.0	12	1	2
KLC3535	222120	0855360	29	54	8	1.0	3	0	1
KLC3536	222120	0855360	20	38	6	0.0	3	2	1
KLC3537	219460	0853130	17	49	7	0.0	6	0	2
KLC3538	222320	0855200	18	39	13	1.0	8	3	4
KLC3539	219710	0853020	18	47	7	2.0	5	0	1
KLC3540	223020	0854930	22	57	28	1.0	8	6	1
KLC3541	220360	0852600	26	50	7	0.0	5	0	3
KLC3542	223120	0855060	28	61	12	0.0	11	5	1
KLC3543	220580	0852410	22	61	6	0.0	10	0	1
KLC3544	223590	0854520	27	56	19	0.0	3	6	2
KLC3545	221460	0852100	38	74	19	0.0	8	0	2
KLC3546	223600	0854640	24	43	10	0.0	7	0	3
KLC3547	220560	0851670	23	49	11	0.0	5	3	2
KLC3548	226220	0851570	54	125	25	0.0	10	0	1
KLC3549	223820	0854680	36	76	20	0.0	15	2	1
KLC3550	226930	0851370	41	78	25	0.0	17	3	1
KLC3551	223950	0854980	43	92	20	0.0	15	5	3

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Sample Reference	Eastings	Northings	La (ppm)	Ce (ppm)	Pb (ppm)	Bi (ppm)	Th (ppm)	U (ppm)	Au (ppb)
KLC3552	226920	0851430	116	185	15	0.0	17	3	4
KLC3553	224580	0855600	51	99	26	0.0	18	10	1
KLC3554	227340	0851100	34	86	24	0.0	12	5	2
KLC3555	225070	0855300	26	51	21	1.0	9	4	1
KLC3556	227700	0852550	48	90	47	0.0	10	2	2
KLC3557	225260	0854160	18	39	18	1.0	6	0	1
KLC3558	227730	0852680	30	61	12	0.0	5	2	1
KLC3559	225190	0853680	29	49	5	0.0	5	4	2
KLC3560	225600	0857720	31	68	8	0.0	8	0	1
KLC3561	228060	0854619	38	85	21	0.0	12	3	2
KLC3562	225630	0857640	25	55	14	0.0	4	4	2
KLC3563	228022	0854741	35	81	12	1.0	16	0	1
KLC3564	226050	0857700	32	74	13	1.0	6	0	2
KLC3565	226138	0855070	27	69	17	1.0	6	3	2
KLC3566	226200	0857840	24	58	20	0.0	11	1	1
KLC3567	227600	0855450	36	70	17	0.0	12	4	3
KLC3568	226860	0857420	33	64	17	1.0	4	3	2
KLC3569	229120	0854760	34	88	15	0.0	14	2	1
KLC3570	227100	0857760	21	53	29	0.0	7	4	1
KLC3571	222545	0857015	22	49	16	0.0	6	4	67
KLC3572	222110	0853020	23	59	9	0.0	8	3	1
KLC3573	222932	0857520	17	38	13	0.0	4	6	1
KLC3574	222460	0852130	20	55	11	0.0	12	3	3
KLC3575	223531	0857980	47	90	27	0.0	8	7	5
KLC3576	223320	0851760	25	60	21	0.0	4	0	1
KLC3577	223829	0858120	44	84	18	1.0	7	3	1
KLC3578	224300	0851740	18	46	13	1.0	6	2	1
KLC3579	223963	0858361	31	75	25	1.0	7	6	1
KLC3580	224850	0851220	41	91	11	0.0	5	2	2
KLC3581	221647	0851280	28	81	18	0.0	10	5	1
KLC3582	215540	0850680	26	59	31	0.0	6	3	3
KLC3583	222244	0851294	21	68	13	0.0	9	2	1
KLC3584	216520	0849600	33	61	21	0.0	3	1	1
KLC3585	222552	0851251	37	78	19	1.0	10	0	2
KLC3586	216930	0849790	29	66	6	0.0	2	1	2
KLC3587	223512	0850939	31	71	14	0.0	9	7	19
KLC3588	217260	0848930	34	69	18	0.0	9	1	1
KLC3589	223780	0850941	22	51	15	0.0	6	2	1
KLC3590	217460	0848960	26	64	10	0.0	2	2	2
KLC3591	224369	0850749	31	74	17	0.0	6	4	1
KLC3592	225230	0849300	54	141	24	1.0	19	4	2
KLC3593	217172	0848436	19	43	13	1.0	4	2	1
KLC3594	224950	0849090	48	118	20	0.0	12	4	4
KLC3595	217443	0848558	19	35	17	1.0	10	0	2
KLC3596	224800	0848960	42	86	24	0.0	13	4	37
KLC3597	217812	0848740	34	79	11	0.0	9	0	86
KLC3598	226490	0849910	50	105	16	0.0	14	3	5
KLC3599	219240	0849361	44	85	25	0.0	14	3	4

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Sample Reference	Easting	Northing	La (ppm)	Ce (ppm)	Pb (ppm)	Bi (ppm)	Th (ppm)	U (ppm)	Au (ppb)
KLC3600	226900	0849640	76	145	26	1.0	15	7	1
KLC3601	219285	0849440	44	104	20	0.0	14	1	1
KLC3602	226890	0849580	44	82	18	0.0	13	6	6
KLC3603	224620	0848790	51	113	19	0.0	20	6	2
KLC3604	226780	0848720	37	83	16	0.0	5	3	3
KLC3605	223870	0848110	80	189	42	0.0	20	9	81
KLC3606	226680	0848680	34	81	15	0.0	14	6	5
KLC3607	223460	0847790	64	178	18	0.0	27	8	2
KLC3608	225200	0848940	101	220	27	0.0	27	8	3
KLC3609	223173	0847644	35	62	25	0.0	6	2	41
KLC3610	225360	0849180	57	112	35	1.0	16	11	1
KLC3611	223170	0847640	162	209	37	1.0	19	25	1
KLC3612	225700	0849560	37	94	20	1.0	12	8	1
KLC3613	220420	0850760	43	90	21	0.0	10	5	2
KLC3614	221740	0847670	60	131	8	1.0	10	4	3
KLC3615	221040	0850340	40	85	22	0.0	13	1	1
KLC3616	221360	0847580	30	75	13	0.0	11	3	1
KLC3617	221200	0850260	43	93	5	0.0	10	5	1
KLC3618	220360	0848250	16	38	15	0.0	5	2	1
KLC3619	221200	0850260	30	77	26	0.0	10	6	1
KLC3620	220280	0848320	19	35	24	1.0	6	0	1
KLC3621	224080	0848270	47	103	15	0.0	11	4	1
KLC3622	220200	0848310	24	51	16	1.0	7	2	1
KLC3623	223060	0847730	61	121	27	0.0	21	4	1
KLC3624	220340	0848560	59	161	15	0.0	21	5	1
KLC3625	222770	0846720	86	155	24	0.0	23	3	2
KLC3626	228420	0848900	47	94	30	0.0	12	5	2
KLC3627	222450	0846820	27	53	19	0.0	8	3	1
KLC3628	229520	0850000	21	39	16	0.0	14	0	1
KLC3629	222100	0846700	20	41	2	1.0	4	3	1
KLC3630	229520	0850000	19	37	20	0.0	14	0	4
KLC3631	221770	0846400	32	49	17	0.0	6	2	2
KLC3632	229540	0850180	18	42	23	0.0	6	2	3
KLC3633	218040	0847140	27	50	20	0.0	7	3	2
KLC3634	229550	0850080	17	45	18	0.0	9	2	7
KLC3635	218180	0847160	23	45	24	0.0	3	3	6
KLC3636	228890	0850040	24	49	34	1.0	10	1	2
KLC3637	218180	0847320	26	62	11	0.0	9	1	1
KLC3638	228500	0850350	41	128	22	0.0	8	5	1
KLC3639	217020	0847840	21	40	8	0.0	12	6	2
KLC3640	219600	0845280	23	43	13	0.0	6	4	1
KLC3641	216401	0847095	13	30	20	1.0	9	3	1
KLC3642	219760	0845120	42	119	27	0.0	9	22	54
KLC3643	216279	0846781	21	40	11	0.0	8	5	2
KLC3644	219400	0844760	50	92	25	0.0	12	11	17
KLC3645	216124	0846552	20	37	18	0.0	5	5	9
KLC3646	218000	0843770	41	53	31	1.0	6	7	3
KLC3647	215672	0846055	32	47	26	0.0	8	3	18

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Sample Reference	Eastings	Northings	La (ppm)	Ce (ppm)	Pb (ppm)	Bi (ppm)	Th (ppm)	U (ppm)	Au (ppb)
KLC3648	216190	0842880	49	164	34	0.0	11	9	2
KLC3649	220920	0845940	29	54	19	1.0	7	6	1
KLC3650	216750	0842360	60	164	24	0.0	23	11	6
KLC3651	220640	0845800	38	82	25	0.0	8	7	5
KLC3652	217720	0842100	34	94	30	0.0	11	7	1
KLC3653	220620	0845640	26	47	24	1.0	8	9	2
KLC3654	217670	0842100	27	59	16	1.0	9	9	1
KLC3655	220490	0845670	51	100	21	0.0	14	14	1
KLC3656	218400	0844300	31	71	19	1.0	10	3	2
KLC3657	220210	0845570	63	116	26	0.0	12	28	4
KLC3658	216450	0848230	22	45	10	0.0	6	2	2
KLC3659	222880	0849050	60	145	18	0.0	18	4	3
KLC3660	216080	0848210	18	34	12	0.0	9	1	2
KLC3661	223630	0848850	35	64	22	1.0	5	3	8
KLC3662	215740	0848260	24	52	22	0.0	6	1	10
KLC3663	224470	0848460	56	126	18	0.0	18	8	3



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Table 2 Scardroy panned concentrate data

Sample Reference	N	East	North	Ca (ppm)	Ti (ppm)	V (ppm)	Mn (ppm)	Fe (ppm)	Co (ppm)	Ni (ppm)
KLP3501	232030	0854970	28700	4390	103	9300	209600	9	11	
KLP3502	217080	0851780	65800	11780	242	8970	144600	20	51	
KLP3503	220000	0851000	38800	5120	153	5430	141500	19	27	
KLP3504	216770	0851770	67100	8120	281	2850	106600	27	74	
KLP3505	219570	0851160	47400	6440	198	4270	125700	23	43	
KLP3506	216690	0851870	69200	7610	251	3690	134700	23	59	
KLP3508	216820	0852500	22300	1870	70	1000	37400	11	20	
KLP3509	219160	0851480	45700	8110	186	3780	104900	18	31	
KLP3510	216040	0852920	42700	2830	113	2080	57500	16	62	
KLP3512	215880	0852880	52700	4000	143	4190	92900	20	64	
KLP3513	218480	0851470	53100	6480	209	3050	95900	24	63	
KLP3514	215180	0852880	13200	1920	34	2180	42400	6	6	
KLP3515	217820	0851740	38300	3880	144	2250	69500	19	33	
KLP3516	215400	0852880	26800	2900	58	6950	140300	11	6	
KLP3517	215760	0852430	54400	3220	158	2270	71800	23	77	
KLP3518	217600	0853700	37600	4340	157	2350	82000	18	33	
KLP3519	215700	0852460	41800	3480	100	1700	52500	27	105	
KLP3520	217820	0854740	44300	12030	168	3190	103300	21	30	
KLP3521	215500	0851650	34700	4170	125	3800	78100	18	20	
KLP3522	216480	0854740	31100	3730	109	4980	122300	13	20	
KLP3523	215460	0851640	9600	2690	39	1660	34900	8	9	
KLP3524	216600	0854620	34500	4790	124	5170	132300	15	22	
KLP3525	216390	0854110	52400	5580	201	4360	129500	20	35	
KLP3526	218640	0853120	35100	3510	118	2190	67800	14	27	
KLP3527	216100	0853990	38400	4020	137	3470	90800	17	31	
KLP3528	218660	0853380	40700	4780	135	2520	74400	18	33	
KLP3529	215880	0853630	52500	4340	167	3130	92300	23	69	
KLP3530	218940	0853360	33100	2980	111	2160	54300	20	57	
KLP3531	215880	0853630	50000	4640	168	2880	89100	23	62	
KLP3532	220840	0852770	40500	4390	153	4330	116200	20	37	
KLP3534	221190	0852050	37900	3450	130	2140	72300	23	46	
KLP3535	215670	0854570	30300	3440	107	4790	122700	15	23	
KLP3536	222120	0855360	48400	4870	173	2440	88900	27	68	
KLP3537	219460	0853130	50800	4790	164	5270	128900	16	31	
KLP3538	222320	0855200	44600	5030	172	2830	83900	22	53	
KLP3539	219710	0853020	53300	5460	178	4270	113200	23	71	
KLP3540	223020	0854930	49900	6310	202	3150	107600	29	65	
KLP3541	220360	0852600	44600	5120	186	2400	83400	37	65	
KLP3542	223120	0855060	55500	5520	173	1600	77300	29	81	
KLP3543	220580	0852410	50500	5510	218	2760	115700	25	52	
KLP3544	223590	0854520	67200	4010	152	920	62000	25	78	
KLP3545	221460	0852100	37900	4100	124	1600	60400	21	51	
KLP3546	223600	0854640	46500	4840	162	2310	79600	23	63	
KLP3547	220560	0851670	43100	5690	154	5080	137100	17	27	
KLP3548	226220	0851570	42400	8640	158	4560	122700	16	22	
KLP3549	223820	0854680	34800	3680	102	8680	187100	22	32	
KLP3550	226930	0851370	42800	9910	164	5800	158000	14	12	
KLP3551	223950	0854980	29400	3980	95	8510	185000	16	16	

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Sample Reference	N	Eastings	Northing	Ca (ppm)	Ti (ppm)	V (ppm)	Mn (ppm)	Fe (ppm)	Co (ppm)	Ni (ppm)
KLP3552	226920	0851430	43100	9430	158	6200	170700	13	10	
KLP3553	224580	0855600	23700	3700	81	10160	217400	10	5	
KLP3554	227340	0851100	19300	2850	68	1990	54700	17	54	
KLP3555	225070	0855300	29600	4740	99	8890	188200	14	10	
KLP3556	227700	0852550	38300	7670	131	7330	177000	11	6	
KLP3557	225260	0854160	39700	5240	128	7440	161500	19	21	
KLP3558	227730	0852680	48100	4410	149	2950	93100	19	56	
KLP3559	225190	0853680	48400	6820	189	5060	141700	16	47	
KLP3560	225600	0857720	54500	4110	154	2620	89800	41	58	
KLP3561	228060	0854619	24100	5420	84	8540	195600	7	6	
KLP3562	225630	0857640	46400	3110	123	1530	60200	19	63	
KLP3563	228022	0854741	28200	4840	92	9140	211300	8	10	
KLP3564	226050	0857700	48400	4720	154	2050	74900	19	51	
KLP3565	226138	0855070	34100	6360	113	7450	185400	10	6	
KLP3566	226200	0857840	33200	2490	93	1430	44600	16	43	
KLP3567	227600	0855450	36300	3750	97	6930	169200	13	24	
KLP3568	226860	0857420	37100	3540	109	2450	74100	15	42	
KLP3569	229120	0854760	24900	4620	83	8910	205800	6	8	
KLP3570	227100	0857760	17300	2730	61	1150	36000	7	16	
KLP3571	222545	0857015	36100	3200	113	1620	55800	17	49	
KLP3572	222110	0853020	70300	5630	164	1610	72700	28	68	
KLP3573	222932	0857520	23800	4160	90	2580	68000	11	23	
KLP3574	222460	0852130	52100	3960	146	1210	73600	33	69	
KLP3575	223531	0857980	35700	3750	117	1970	60600	18	48	
KLP3576	223320	0851760	68000	7370	231	1820	91200	36	63	
KLP3577	223829	0858120	9500	3360	84	1280	42800	10	19	
KLP3578	224300	0851740	52000	3640	146	1710	66900	23	60	
KLP3579	223963	0858361	14000	2890	54	1480	39600	7	14	
KLP3580	224850	0851220	53400	5330	190	3070	96400	23	54	
KLP3581	221647	0851280	34100	5540	122	3750	101200	15	20	
KLP3582	215540	0850680	37100	3660	135	4050	88900	18	20	
KLP3583	222244	0851294	37200	4720	131	3060	93300	24	39	
KLP3584	216520	0849600	49300	4520	169	3250	97200	27	68	
KLP3585	222552	0851251	47900	5680	137	3430	97200	28	52	
KLP3586	216930	0849790	48200	2980	132	1460	62900	26	86	
KLP3587	223512	0850939	37500	5070	129	3690	99400	15	22	
KLP3588	217260	0848930	52600	3860	169	2900	99000	35	77	
KLP3589	223780	0850941	43100	6870	143	5690	145900	14	17	
KLP3590	217460	0848960	37400	2550	104	1450	54800	20	60	
KLP3591	224369	0850749	34900	4850	120	4550	116700	15	29	
KLP3592	225230	0849300	29800	5490	105	8240	176500	12	6	
KLP3593	217172	0848436	38800	3160	109	1180	49200	19	58	
KLP3594	224950	0849090	33000	5680	104	9290	189700	8	3	
KLP3595	217443	0848558	36000	3430	119	1330	58400	33	94	
KLP3596	224800	0848960	48100	8150	152	7650	173800	10	5	
KLP3597	217812	0848740	43400	3520	134	1160	61200	27	61	
KLP3598	226490	0849910	22800	5260	89	8480	184700	11	10	
KLP3599	219240	0849361	33400	6000	118	6940	165700	13	9	

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Sample Reference	N	Easting	Northing	Ca (ppm)	Ti (ppm)	V (ppm)	Mn (ppm)	Fe (ppm)	Co (ppm)	Ni (ppm)
KLP3500	226900	0849640	21100	4460	88	6330	148300	20	11	
KLP3501	219285	0849440	30200	5240	102	8350	199700	10	7	
KLP3502	226890	0849580	23900	6750	102	7180	177900	12	15	
KLP3503	224620	0848790	33100	6360	110	9450	187800	9	5	
KLP3504	226780	0848720	23600	6280	94	6710	179700	15	12	
KLP3505	223870	0848110	26300	6030	97	8500	173300	15	16	
KLP3506	226680	0848680	27800	7990	103	6580	164400	14	18	
KLP3507	223460	0847790	30300	5420	111	8420	189000	11	12	
KLP3508	225200	0848940	10900	7040	48	5620	152500	11	9	
KLP3509	223173	0847644	12800	4810	69	970	38100	8	16	
KLP3510	225360	0849180	10100	8050	40	6380	153600	10	6	
KLP3511	223170	0847640	8800	5610	43	5660	135600	15	15	
KLP3512	225700	0849560	6100	3380	32	2840	65200	9	6	
KLP3513	220420	0850760	56900	12450	206	5890	152700	14	11	
KLP3514	221740	0847670	31800	5330	117	3760	100600	19	59	
KLP3515	221040	0850340	51400	12290	215	5520	136000	15	14	
KLP3516	221360	0847580	18600	2360	57	8350	165300	10	9	
KLP3517	221200	0850260	52700	12730	215	5250	137300	16	16	
KLP3518	220360	0848250	20700	2900	65	5310	116500	11	12	
KLP3519	221200	0850260	36200	6720	127	7850	171200	9	6	
KLP3520	220280	0848320	35100	3660	111	2650	69700	13	42	
KLP3521	224080	0848270	29000	8880	123	5260	124400	22	19	
KLP3522	220200	0848310	43400	4720	133	3960	101700	17	34	
KLP3523	223060	0847730	15300	3310	56	10170	207000	9	6	
KLP3524	220340	0848560	26500	5770	102	6830	176100	12	9	
KLP3525	222770	0846720	7500	3550	61	2860	52900	12	18	
KLP3526	228420	0848900	21200	4670	69	2590	64100	9	23	
KLP3527	222450	0846820	13000	2930	58	800	29800	8	18	
KLP3528	229520	0850000	31000	3230	100	7910	89400	10	48	
KLP3529	222100	0846700	33500	4790	130	5320	130500	18	33	
KLP3530	229520	0850000	33900	3490	106	7010	82400	13	58	
KLP3531	221770	0846400	44900	3930	142	1240	60200	29	54	
KLP3532	229540	0850180	28500	2470	72	1430	44400	12	36	
KLP3533	218040	0847140	42400	4710	140	1230	61600	22	57	
KLP3534	229550	0850080	25300	3470	89	2440	63800	11	24	
KLP3535	218180	0847160	46200	3990	135	1700	59200	16	46	
KLP3536	228890	0850040	16800	1950	56	2420	56700	9	16	
KLP3537	218180	0847320	40600	5090	126	3830	97300	15	31	
KLP3538	228500	0850350	52000	6210	160	3500	101900	25	65	
KLP3539	217020	0847840	44900	4530	150	1110	59500	28	79	
KLP3540	219600	0845280	35200	3070	116	1110	50300	21	51	
KLP3541	216401	0847095	49400	3280	138	1370	63300	26	84	
KLP3542	219760	0845120	7000	3660	36	1030	19100	6	9	
KLP3543	216279	0846781	46400	3680	142	1280	56800	22	59	
KLP3544	219400	0844760	9200	2510	57	570	23300	8	15	
KLP3545	216124	0846552	37200	3020	99	1620	45900	15	39	
KLP3546	218000	0843770	46400	4940	191	4240	83200	18	24	
KLP3547	215672	0846055	28700	5260	90	2630	74500	8	9	

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Sample Reference	N	Eastings	Northings	Ca (ppm)	Ti (ppm)	V (ppm)	Mn (ppm)	Fe (ppm)	Co (ppm)	Ni (ppm)
KLP3648	216190	0842880	19700	5790	82	1270	45100	13	16	
KLP3649	220920	0845940	17000	3990	76	1850	49900	16	47	
KLP3650	216750	0842260	5800	4430	57	1460	39100	11	16	
KLP3651	220640	0845800	18300	3050	72	1310	36000	12	21	
KLP3652	217720	0842100	8700	3070	37	1370	24800	5	8	
KLP3653	220620	0845640	6800	4610	37	1230	23700	7	11	
KLP3654	217670	0842100	20800	9150	104	3160	57400	12	16	
KLP3655	220490	0845670	19300	4540	83	1710	43900	11	24	
KLP3656	218400	0844300	9300	2350	38	610	19800	6	10	
KLP3657	220210	0845570	27400	2700	83	2600	45000	14	36	
KLP3658	216450	0848230	45900	3340	109	2050	68000	17	45	
KLP3659	222880	0849050	17200	4980	89	4760	112600	14	15	
KLP3660	216080	0848210	41600	3260	96	3340	92700	16	31	
KLP3661	223630	0848850	29000	6940	112	5310	110100	12	8	
KLP3662	215740	0848260	26100	5290	58	6260	144300	10	3	
KLP3663	224470	0848460	18300	6420	80	6300	134800	12	8	

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Sample Reference	N	Easting	Northing	Cu (ppm)	Zn (ppm)	Y (ppm)	Zr (ppm)	Nb (ppm)	Ag (ppm)	Sn (ppm)	Sb (ppm)
KLP3501	232030	0854970	9	77	273	427	11	6.0	0	0.0	
KLP3502	217080	0851780	33	91	43	144	12	6.0	4	2.0	
KLP3503	220000	0851000	20	79	126	211	8	5.0	2	0.0	
KLP3504	216770	0851770	33	168	37	136	11	6.0	6	0.0	
KLP3505	219570	0851160	29	84	69	175	6	4.0	0	0.0	
KLP3506	216690	0851870	11	113	41	112	7	7.0	3	5.0	
KLP3508	216820	0852500	6	33	15	149	4	1.0	1	5.0	
KLP3509	219160	0851480	9	77	65	417	11	4.0	1	0.0	
KLP3510	216040	0852920	7	47	32	558	6	2.0	0	0.0	
KLP3512	215880	0852880	12	59	83	1081	8	3.0	2	0.0	
KLP3513	218480	0851470	13	80	46	241	10	5.0	1	0.0	
KLP3514	215180	0852880	6	17	69	420	6	3.0	2	2.0	
KLP3515	217820	0851740	14	59	31	167	6	1.0	0	0.0	
KLP3516	215400	0852880	9	39	249	535	11	3.0	5	3.0	
KLP3517	215760	0852430	12	72	36	323	4	4.0	3	3.0	
KLP3518	217600	0853700	16	71	38	177	5	6.0	0	0.0	
KLP3519	215700	0852460	22	47	37	670	8	2.0	0	1.0	
KLP3520	217820	0854740	12	88	48	299	17	4.0	0	0.0	
KLP3521	215500	0851650	11	51	59	544	7	3.0	1	3.0	
KLP3522	216480	0854740	8	61	154	263	9	4.0	3	1.0	
KLP3523	215460	0851640	9	29	46	626	9	0.0	3	3.0	
KLP3525	216600	0854620	9	64	166	395	12	5.0	0	0.0	
KLP3525	216390	0854110	15	90	84	250	6	1.0	1	0.0	
KLP3526	218640	0853120	14	51	35	200	5	1.0	0	1.0	
KLP3527	216100	0853990	8	67	81	249	9	5.0	3	0.0	
KLP3528	218660	0853380	23	51	52	408	9	5.0	1	3.0	
KLP3529	215880	0853630	17	72	47	318	7	3.0	5	3.0	
KLP3530	218940	0853360	19	52	27	163	5	2.0	0	1.0	
KLP3531	215880	0853630	17	73	43	381	7	4.0	2	2.0	
KLP3532	220840	0852770	17	64	112	333	7	4.0	1	0.0	
KLP3534	221190	0852050	16	54	48	306	4	4.0	2	2.0	
KLP3535	215670	0854570	9	66	176	247	6	4.0	1	2.0	
KLP3536	222120	0855360	21	64	49	649	7	1.0	4	3.0	
KLP3537	219460	0851130	11	67	105	506	7	6.0	3	1.0	
KLP3538	222320	0855200	8	66	34	1240	5	2.0	3	0.0	
KLP3539	219710	0853020	15	71	83	380	7	3.0	3	0.0	
KLP3540	223020	0854930	23	72	64	1033	8	5.0	2	0.0	
KLP3541	220360	0852600	49	70	31	282	9	2.0	0	2.0	
KLP3542	223120	0855060	9	52	29	824	8	3.0	3	1.0	
KLP3543	220580	0852410	16	53	55	773	10	7.0	5	2.0	
KLP3544	223590	0854520	18	38	25	425	8	4.0	2	5.0	
KLP3545	221460	0852100	14	51	37	485	6	3.0	4	1.0	
KLP3546	223600	0854640	14	61	37	633	5	2.0	1	3.0	
KLP3547	220560	0851670	21	64	137	519	8	4.0	6	3.0	
KLP3548	226220	0851570	7	69	109	335	9	5.0	7	4.0	
KLP3549	223820	0854680	28	79	228	344	6	3.0	3	2.0	
KLP3550	226930	0851370	9	70	150	308	10	6.0	4	1.0	
KLP3551	223950	0854980	11	77	225	378	9	10.0	4	0.0	

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Sample Reference	N	Easting	Northing	Cu (ppm)	Zn (ppm)	Y (ppm)	Zr (ppm)	Nb (ppm)	Ag (ppm)	Sn (ppm)	Sb (ppm)
KLP3552	226920	0851430	9	69	165	293	9	6.0	3	0.0	
KLP3553	224580	0855600	7	80	268	375	7	10.0	5	3.0	
KLP3554	227340	0851100	15	37	46	237	6	2.0	1	0.0	
KLP3555	225070	0855300	7	74	239	476	8	6.0	4	0.0	
KLP3556	227700	0852550	7	69	162	257	9	7.0	0	0.0	
KLP3557	225260	0854160	9	69	206	702	8	6.0	5	2.0	
KLP3558	227730	0852680	8	59	60	535	7	4.0	1	0.0	
KLP3559	225190	0853680	8	65	113	2285	7	7.0	0	0.0	
KLP3560	225600	0857720	18	69	65	513	8	6.0	2	0.0	
KLP3561	228060	0854619	6	78	211	296	13	8.0	3	1.0	
KLP3562	225630	0857640	6	49	33	406	7	2.0	1	0.0	
KLP3563	228022	0854741	7	79	240	317	13	7.0	5	0.0	
KLP3564	226050	0857700	7	59	42	783	8	4.0	3	0.0	
KLP3565	226138	0855070	8	66	202	478	10	9.0	0	0.0	
KLP3566	226200	0857840	6	40	20	376	5	1.0	0	0.0	
KLP3567	227600	0855450	9	73	216	287	10	6.0	4	0.0	
KLP3568	226860	0857420	5	49	74	632	8	2.0	2	0.0	
KLP3569	229120	0854760	8	78	222	618	12	7.0	2	3.0	
KLP3570	227100	0857760	4	21	26	618	7	0.0	0	0.0	
KLP3571	222545	0857015	4	46	24	420	6	3.0	2	4.0	
KLP3572	222110	0853020	9	60	36	331	8	6.0	4	0.0	
KLP3573	222932	0857520	6	36	61	955	7	5.0	0	3.0	
KLP3574	222460	0852130	20	44	24	277	7	2.0	1	2.0	
KLP3575	223531	0857980	8	53	35	522	8	1.0	2	0.0	
KLP3576	223320	0851760	27	101	46	681	9	3.0	2	0.0	
KLP3577	223829	0858120	16	44	19	256	7	0.0	2	2.0	
KLP3578	224300	0851740	11	60	33	590	6	4.0	0	0.0	
KLP3579	223963	0858361	6	23	37	397	7	2.0	0	1.0	
KLP3580	224850	0851220	12	79	68	359	7	5.0	6	1.0	
KLP3581	221647	0851280	16	54	98	371	11	4.0	0	0.0	
KLP3582	215540	0850680	9	67	68	238	6	3.0	0	1.0	
KLP3583	222244	0851294	23	67	78	288	6	3.0	0	1.0	
KLP3584	216520	0849600	30	71	67	475	7	6.0	4	4.0	
KLP3585	222552	0851251	15	63	92	935	9	2.0	0	1.0	
KLP3586	216930	0849790	22	74	31	381	7	2.0	0	0.0	
KLP3587	223512	0850939	8	59	99	708	8	3.0	2	1.0	
KLP3588	217260	0848930	35	77	74	708	8	6.0	2	3.0	
KLP3589	223780	0850941	8	64	152	342	10	5.0	3	1.0	
KLP3590	217460	0848960	9	59	35	404	5	0.0	4	0.0	
KLP3591	224369	0850749	9	56	117	491	9	4.0	2	0.0	
KLP3592	225230	0849300	9	66	220	299	10	7.0	2	3.0	
KLP3593	217172	0848436	15	45	27	429	5	3.0	5	4.0	
KLP3594	224950	0849090	5	62	269	578	13	8.0	10	5.0	
KLP3595	217443	0848558	22	44	29	578	9	3.0	2	2.0	
KLP3596	224800	0848960	6	55	200	305	11	6.0	4	0.0	
KLP3597	217812	0848740	23	59	29	1049	6	2.0	2	0.0	
KLP3598	226490	0849910	9	74	341	353	13	8.0	0	0.0	
KLP3599	219240	0849361	6	62	202	227	13	5.0	1	0.0	

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Sample Reference	N	Eastings	Northing	Cu (ppm)	Zn (ppm)	Y (ppm)	Zr (ppm)	Nb (ppm)	Ag (ppm)	Sn (ppm)	Sb (ppm)
KLP3600	226900	0849640	13	55	209	294	11	4.0	2	0.0	
KLP3601	219285	0849440	8	68	277	313	12	6.0	3	5.0	
KLP3602	226890	0849580	13	77	360	295	16	10.0	0	1.0	
KLP3603	224620	0848790	11	61	242	312	11	5.0	1	0.0	
KLP3604	226780	0848720	11	76	345	169	16	5.0	0	0.0	
KLP3605	223870	0848110	18	71	275	288	16	8.0	2	0.0	
KLP3606	226680	0848680	14	77	345	350	18	6.0	3	0.0	
KLP3607	223460	0847790	9	68	315	198	11	7.0	1	1.0	
KLP3608	225200	0848940	10	67	336	310	20	5.0	3	1.0	
KLP3609	223173	0847644	13	23	25	609	14	0.0	4	1.0	
KLP3610	225360	0849180	8	61	387	739	22	9.0	1	0.0	
KLP3611	223170	0847640	8	75	292	289	16	3.0	2	3.0	
KLP3612	225700	0849560	6	39	151	381	10	0.0	2	2.0	
KLP3613	220420	0850760	13	66	141	268	9	6.0	7	1.0	
KLP3614	221740	0847670	15	62	127	647	12	4.0	4	0.0	
KLP3615	221040	0850340	8	68	145	303	11	5.0	3	2.0	
KLP3616	221360	0847580	7	52	280	431	9	3.0	6	1.0	
KLP3617	221200	0850260	16	68	131	250	9	5.0	6	4.0	
KLP3618	220360	0848250	6	41	164	446	6	3.0	1	0.0	
KLP3619	221200	0850260	9	60	191	234	14	6.0	4	1.0	
KLP3620	220280	0848320	9	56	55	943	7	4.0	2	2.0	
KLP3621	224080	0848270	29	62	164	693	10	7.0	5	3.0	
KLP3622	220200	0848310	12	63	89	810	9	5.0	5	0.0	
KLP3623	223060	0847730	12	72	352	221	9	3.0	2	2.0	
KLP3624	220340	0848560	11	68	230	235	12	7.0	1	2.0	
KLP3625	222770	0846720	30	69	85	335	12	3.0	1	1.0	
KLP3626	228420	0848900	6	30	78	832	11	2.0	1	0.0	
KLP3627	222450	0846820	12	23	19	320	6	1.0	1	0.0	
KLP3628	229520	0850000	6	49	82	403	6	3.0	3	2.0	
KLP3629	222100	0846700	16	61	176	570	11	3.0	1	0.0	
KLP3630	229520	0850000	4	51	69	427	8	6.0	0	0.0	
KLP3631	221770	0846400	19	53	26	837	10	2.0	3	4.0	
KLP3632	229540	0850180	4	30	33	243	5	1.0	1	3.0	
KLP3633	218040	0847140	9	44	25	967	11	4.0	0	0.0	
KLP3634	229550	0850080	8	36	58	326	6	4.0	1	1.0	
KLP3635	218180	0847160	7	50	49	872	9	1.0	5	2.0	
KLP3636	228890	0850040	9	28	59	209	5	4.0	3	2.0	
KLP3637	218180	0847320	8	47	118	1019	10	7.0	2	0.0	
KLP3638	228500	0850350	10	63	82	328	10	2.0	1	0.0	
KLP3639	217020	0847840	17	54	21	748	6	3.0	0	0.0	
KLP3640	219600	0845280	17	45	19	308	6	1.0	0	2.0	
KLP3641	216401	0847095	8	45	32	946	6	3.0	0	1.0	
KLP3642	219760	0845120	5	33	21	832	10	1.0	2	1.0	
KLP3643	216279	0846781	16	57	26	849	6	4.0	3	4.0	
KLP3644	219400	0844760	18	51	12	297	5	0.0	1	0.0	
KLP3645	216124	0846552	6	39	36	902	6	1.0	1	0.0	
KLP3646	218000	0843770	11	94	40	594	8	6.0	2	3.0	
KLP3647	215672	0846055	8	25	82	1031	9	3.0	0	4.0	

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Sample Reference	N	Eastings	Northings	Cu (ppm)	Zn (ppm)	Y (ppm)	Zr (ppm)	Nb (ppm)	Ag (ppm)	Sn (ppm)	Sb (ppm)
KLP3648	216190	0842880	11	48	28	823	11	2.0	4	2.0	
KLP3649	220920	0845940	17	47	28	709	10	3.0	0	0.0	
KLP3650	216750	0842260	12	60	40	793	14	3.0	1	0.0	
KLP3651	220640	0845800	11	35	18	474	8	2.0	1	0.0	
KLP3652	217720	0842100	7	25	28	445	7	0.0	2	2.0	
KLP3653	220620	0845640	5	24	26	696	10	0.0	5	3.0	
KLP3654	217670	0842100	8	56	49	1173	17	3.0	1	0.0	
KLP3655	220490	0845670	13	33	31	905	12	2.0	4	0.0	
KLP3656	218400	0844300	6	22	16	436	6	0.0	2	0.0	
KLP3657	220210	0845570	10	41	23	435	8	3.0	0	0.0	
KLP3658	216450	0848230	10	33	63	455	9	4.0	2	0.0	
KLP3659	222880	0849050	14	70	116	299	14	4.0	3	1.0	
KLP3660	216080	0848210	10	32	107	441	10	3.0	2	1.0	
KLP3661	223630	0848850	8	49	141	300	9	7.0	2	2.0	
KLP3662	215740	0848260	9	35	216	574	15	8.0	0	2.0	
KLP3663	224470	0848460	9	54	212	443	12	5.0	2	2.0	



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Sample Reference	N	Eastings	Northing	Ba (ppm)	La (ppm)	Ce (ppm)	Pb (ppm)	Th (ppm)	U (ppm)	Au (ppb)
KLP3501	232030	0854970	50	25	45	14	6	3.000	1	
KLP3502	217080	0851780	58	4	0	7	0	2.000	1	
KLP3503	220000	0851000	132	10	16	8	5	0.000	2	
KLP3504	216770	0851770	90	10	8	11	1	0.000	2	
KLP3505	219570	0851160	119	10	11	9	0	0.000	2	
KLP3506	216690	0851870	67	1	0	0	1	0.000	1	
KLP3508	216820	0852500	357	5	9	8	0	0.000	1	
KLP3509	219160	0851480	155	11	18	0	1	0.000	4	
KLP3510	216040	0852920	257	13	36	10	1	0.000	2	
KLP3512	215880	0852880	200	26	48	4	4	0.000	2	
KLP3513	218480	0851470	137	9	9	11	1	1.000	1	
KLP3514	215180	0852880	453	5	12	6	2	0.000	1	
KLP3515	217820	0851740	197	6	8	8	3	1.000	3	
KLP3516	215400	0852880	224	5	10	12	0	0.000	2	
KLP3517	215760	0852430	198	34	78	8	0	0.000	2	
KLP3518	217600	0853700	215	1	2	5	1	2.000	3	
KLP3519	215700	0852460	320	20	44	12	5	4.000	1	
KLP3520	217820	0854740	198	12	13	9	2	0.000	1	
KLP3521	215500	0851650	275	7	19	9	1	2.000	1	
KLP3522	216480	0854740	186	13	13	8	5	1.000	1	
KLP3523	215460	0851640	591	10	25	18	3	0.000	2	
KLP3524	216600	0854620	156	13	17	3	6	3.000	1	
KLP3525	216390	0854110	128	10	4	4	3	3.000	1	
KLP3526	218640	0853120	243	3	14	5	6	0.000	1	
KLP3527	216100	0853990	209	7	10	5	1	1.000	1	
KLP3528	218660	0853380	261	12	29	8	4	3.000	1	
KLP3529	215880	0853630	185	10	27	7	4	0.000	4	
KLP3530	218940	0853360	296	11	19	3	2	0.000	1	
KLP3531	215880	0853630	198	13	23	16	0	2.000	2	
KLP3532	220840	0852770	273	12	18	2	5	0.000	1	
KLP3534	221190	0852050	292	9	23	5	1	0.000	3	
KLP3535	215670	0854570	204	15	28	13	5	1.000	1	
KLP3536	222120	0855360	210	17	32	4	1	0.000	2	
KLP3537	219460	0853130	129	9	10	8	0	0.000	2	
KLP3538	222320	0855200	210	17	30	3	5	2.000	1	
KLP3539	219710	0853020	122	7	13	9	1	1.000	2	
KLP3540	223020	0854930	170	14	25	1	4	2.000	1	
KLP3541	220360	0852600	202	12	27	5	7	1.000	25	
KLP3542	223120	0855060	177	14	39	6	1	1.000	1	
KLP3543	220580	0852410	184	16	26	2	4	1.000	1	
KLP3544	223590	0854520	215	25	66	6	6	0.000	1	
KLP3545	221460	0852100	254	18	35	9	3	1.000	2	
KLP3546	223600	0854640	210	16	24	6	9	0.000	2	
KLP3547	220560	0851670	134	21	30	9	5	0.000	2	
KLP3548	226220	0851570	147	17	38	13	1	1.000	1	
KLP3549	223820	0854680	71	44	79	7	11	0.000	1	
KLP3550	226930	0851370	74	19	32	9	8	0.000	3	
KLP3551	223950	0854980	94	34	77	9	8	1.000	1	

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Sample Reference	N	Easting	Northing	Ba (ppm)	La (ppm)	Ce (ppm)	Pb (ppm)	Th (ppm)	U (ppm)	Au (ppb)
KLP3552	226920	0851430	66	16	36	3	6	3.000	3	3
KLP3553	224580	0855600	69	46	88	6	11	3.000	1	1
KLP3554	227340	0851100	406	10	26	12	2	1.000	2	2
KLP3555	225070	0853300	90	32	75	4	11	0.000	1	1
KLP3556	227700	0852550	75	25	45	14	5	0.000	1	1
KLP3557	225260	0854160	95	28	59	9	7	6.000	2	2
KLP3558	227730	0852680	195	10	29	6	7	0.000	61	61
KLP3559	225190	0853680	116	22	39	2	8	5.000	220	220
KLP3560	225600	0857720	180	25	63	9	2	3.000	43	43
KLP3561	228060	0854619	71	28	62	3	8	5.000	4	4
KLP3562	225630	0857640	254	17	33	3	2	1.000	1	1
KLP3563	228022	0854741	60	33	72	4	8	0.000	1	1
KLP3564	226050	0857700	175	19	51	6	3	2.000	1	1
KLP3565	226138	0855070	86	33	55	13	8	0.000	1	1
KLP3566	226200	0857840	315	14	30	7	2	2.000	6	6
KLP3568	226860	0857420	246	26	56	7	2	4.000	1	1
KLP3569	229120	0854760	86	27	53	5	11	5.000	3	3
KLP3570	227100	0857760	368	9	25	13	3	4.000	1	1
KLP3571	222545	0857015	235	8	15	6	5	1.000	1	1
KLP3572	222110	0853020	144	17	41	8	6	1.000	2	2
KLP3573	222932	0857520	268	12	26	9	2	1.000	1	1
KLP3574	222460	0852130	243	13	27	8	7	4.000	2	2
KLP3575	223531	0857980	295	13	35	5	3	0.000	3	3
KLP3576	223320	0851760	146	44	113	0	1	3.000	2	2
KLP3577	223829	0858120	409	16	34	11	5	0.000	2	2
KLP3578	224300	0851740	205	13	28	5	3	0.000	1	1
KLP3579	223963	0858361	367	9	22	3	5	2.000	1	1
KLP3580	224850	0851220	157	18	40	2	4	0.000	2	2
KLP3581	221647	0851280	212	14	24	14	4	0.000	1	1
KLP3582	215540	0850680	278	3	3	8	0	1.000	6	6
KLP3583	222244	0851294	213	14	29	8	6	1.000	2	2
KLP3584	216520	0849600	204	40	70	12	5	0.000	1	1
KLP3585	222552	0851251	153	14	41	7	6	5.000	1	1
KLP3586	216930	0849790	270	29	69	5	0	0.000	3	3
KLP3587	223512	0850939	192	12	28	10	4	0.000	3	3
KLP3588	217260	0848930	201	43	93	9	6	2.000	1	1
KLP3589	223780	0850941	123	21	35	8	5	1.000	4	4
KLP3590	217460	0848960	364	19	58	3	4	0.000	2	2
KLP3591	224369	0850749	212	16	30	3	4	5.000	3	3
KLP3592	225230	0849300	94	31	58	13	10	4.000	1	1
KLP3593	217172	0848436	286	14	29	3	8	1.000	1	1
KLP3594	224950	0849090	59	33	65	1	12	4.000	1	1
KLP3595	217443	0848558	297	17	40	5	5	8.000	3	3
KLP3596	224800	0848960	45	18	44	12	8	0.000	1	1
KLP3597	217812	0848740	323	27	58	6	5	1.000	6	6
KLP3598	226490	0849910	111	38	83	9	9	5.000	2	2
KLP3599	219240	0849361	107	26	52	8	8	2.000	3	3

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Sample Reference	N	Eastings	Northings	Ba (ppm)	La (ppm)	Ce (ppm)	Pb (ppm)	Th (ppm)	U (ppm)	Au (ppb)
KLP3600	226900	0849640	244	37	55	9	9	12	3.000	3
KLP3601	219285	0849440	70	27	57	0	0	10	1.000	2
KLP3602	226890	0849580	125	25	39	9	5	4	5.000	8
KLP3603	224620	0848790	81	37	72	5	1	5	7.000	2
KLP3604	226780	0848720	128	54	54	1	22	10	0.000	27
KLP3605	223870	0848110	156	69	149	11	8	22	7.000	4960
KLP3606	226680	0848680	133	37	67	5	0	22	4.000	20
KLP3607	223460	0847790	88	71	152	0	9	12	10.000	5
KLP3608	225200	0848940	251	46	90	0	13	2	3.000	4
KLP3609	223173	0847644	418	15	30	13	4	12	2.000	12
KLP3610	225360	0849180	215	43	74	4	10	5	3.000	7
KLP3611	223170	0847640	250	37	58	11	5	6	5.000	6
KLP3612	225700	0849560	403	16	26	12	6	4	4.000	4
KLP3613	220420	0850760	74	19	35	0	6	3	1.000	3
KLP3614	221740	0847670	248	33	64	1	4	2	5.000	2
KLP3615	221040	0850340	92	23	49	9	4	4	3.000	4
KLP3616	221360	0847580	177	46	81	10	13	2	6.000	2
KLP3617	221200	0850260	114	21	33	8	5	3	1.000	3
KLP3618	220360	0848250	226	26	39	6	4	1	3.000	1
KLP3619	221200	0850260	91	32	63	3	10	1	0.000	1
KLP3620	220280	0848320	258	11	42	8	2	1	1.000	1
KLP3621	224080	0848270	228	34	70	6	12	2	3.000	1
KLP3622	220200	0848310	209	12	40	8	9	2	0.000	2
KLP3623	223060	0847730	110	45	92	13	15	2	8.000	2
KLP3624	220340	0848560	144	36	65	7	2	4	5.000	4
KLP3625	222770	0846720	634	66	98	20	10	1	4.000	1
KLP3626	228420	0848900	347	14	37	3	1	3	7.000	3
KLP3627	222450	0846820	494	7	17	10	2	5	3.000	3
KLP3628	229520	0850000	308	11	19	2	5	1	3.000	1
KLP3629	222100	0846700	195	28	38	15	9	1	3.000	1
KLP3630	229520	0850000	294	9	19	12	5	6	1.000	6
KLP3631	221770	0846400	260	20	50	10	19	7	8.000	7
KLP3632	229540	0850180	406	7	21	13	0	1	3.000	1
KLP3633	218040	0847140	262	22	46	2	7	5	0.000	5
KLP3634	229550	0850080	404	9	26	8	0	2	3.000	2
KLP3635	218180	0847160	234	15	35	18	3	6	4.000	6
KLP3636	228890	0850040	487	9	23	10	2	3	4.000	3
KLP3637	218180	0847320	217	23	51	11	4	4	4.000	4
KLP3638	228500	0850350	139	15	36	0	5	9	4.000	9
KLP3639	217020	0847840	277	12	22	4	9	5	2.000	5
KLP3640	219600	0845280	338	9	22	7	2	3	2.000	3
KLP3641	216401	0847095	198	10	29	5	7	4	1.000	4
KLP3642	219760	0845120	438	5	14	13	6	1	4.000	1
KLP3643	216279	0846781	270	13	35	4	13	6	2.000	1
KLP3644	219400	0844760	459	6	17	12	4	6	2.000	6
KLP3645	216124	0846552	308	14	35	7	6	1	2.000	1
KLP3646	218000	0843770	201	9	12	5	2	1	0.000	1
KLP3647	215672	0846055	345	22	46	12	7	1	2.000	1

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Sample Reference	N	Eastings	Northings	Ba (ppm)	La (ppm)	Ce (ppm)	Pb (ppm)	Th (ppm)	U (ppm)	Au (ppb)
KLP3648	216190	0842880	431	24	43	12	8	5.000	1	
KLP3649	220920	0845940	369	16	34	12	6	3.000	16	
KLP3650	216750	0842260	684	17	39	15	11	3.000	1	
KLP3651	220640	0845800	475	7	27	7	8	3.000	1	
KLP3652	217720	0842100	469	7	23	12	7	0.000	1	
KLP3653	220620	0845640	489	7	17	13	5	2.000	1	
KLP3654	217670	0842100	368	10	16	13	6	2.000	3	
KLP3655	220490	0845670	440	11	19	14	8	4.000	1	
KLP3656	218400	0844300	493	8	21	11	6	0.000	1	
KLP3657	220210	0845570	480	16	32	9	5	5.000	1	
KLP3658	216450	0848230	221	10	14	4	3	0.000	1	
KLP3659	222880	0849050	353	35	62	6	12	2.000	1	
KLP3660	216080	0848210	208	9	21	4	4	1.000	1	
KLP3661	223630	0848850	225	15	37	7	5	0.000	1	
KLP3662	215740	0848260	179	15	31	0	5	0.000	2	
KLP3663	224470	0848460	229	34	75	10	13	2.000	1	

Table 3 Scardroy rock data

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Sample Reference	Easting	Northing	Major rock type	Ca (ppm)	Ti (ppm)	V (ppm)	Mn (ppm)	Fe (ppm)	Co (ppm)	Ni (ppm)	Cu (ppm)
KLR3502	217080	0851780	22EM	51500	4300	260	8760	86900	30	68	90
KLR3504	216770	0851770	2C00	16400	3690	272	490	41400	13	88	203
KLR3506	216690	0851870	2C00	28800	3240	131	1030	49400	24	55	99
KLR3507	219840	0851140	2230	51300	4160	157	6200	97200	42	34	1022
KLR3511	218800	0851440	2270	31100	8230	349	930	65500	54	99	559
KLR3533	216020	0854390	227E	13500	8730	260	1670	119500	22	73	307
KLR3541	220360	0852600	493C	88200	680	21	1290	26000	7	9	12
KLR3584	216520	0849600	2200	36500	1520	58	400	26800	11	35	52
KLR3589	223780	0850941	2300	700	2110	46	140	23500	9	17	36
KLR3606	226680	0848680	2K00	44000	5190	193	1190	66900	30	62	90
KLR3617	221200	0850260	2170	17300	5570	113	910	49500	16	25	25
KLR3664	221106	0850313	3800	13000	5330	478	600	101600	16	116	233
KLR3665	221235	0850252	3800	15900	5690	128	1240	55500	20	31	32
KLR3666	221235	0850252	3800	8600	2440	45	360	27000	4	5	9
KLR3667	217840	0848700	2230	63500	3060	87	1200	53800	61	760	1
KLR3668	217843	0848698	4H00	49900	6500	203	850	66000	26	38	13
KLR3670	216300	0851850	2270	13200	4060	444	350	41300	29	155	402
KLR3671	216920	0851420	2230	83200	1110	313	3390	125600	21	15	342
KLR3672	216920	0851420	2230	47700	480	84	3820	189000	188	176	2976
KLR3673	216925	0851480	3800	263800	150	24	7620	57500	30	52	848

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Sample Reference	Easting	Northing	Major rock type	Zn (ppm)	Rb (ppm)	Sr (ppm)	Y (ppm)	Zr (ppm)	Nb (ppm)	Mo (ppm)	Ag (ppm)
KLR3502	217080	0851780	22EM	147	12	153	23	73	5	6.0	3.0
KLR3504	216770	0851770	2C00	319	31	308	19	140	8	46.0	2.0
KLR3506	216690	0851870	2C00	156	79	205	15	100	6	6.0	1.0
KLR3507	219840	0851140	2230	58	1	29	19	58	5	8.0	3.0
KLR3511	218800	0851440	2270	153	94	300	26	117	6	5.0	2.0
KLR3533	216020	0854390	227E	296	118	114	18	131	9	4.0	5.0
KLR3541	220360	0852600	493C	41	24	199	7	83	1	1.0	0.0
KLR3584	216520	0849600	2200	31	28	204	7	66	3	5.0	0.0
KLR3589	223780	0850941	2300	27	121	95	6	116	4	2.0	0.0
KLR3606	226680	0848680	2K00	101	50	166	19	106	8	2.0	1.0
KLR3617	221200	0850260	2170	85	156	193	35	227	14	2.0	1.0
KLR3664	221106	0850313	3800	626	53	180	16	110	7	33.0	2.0
KLR3665	221235	0850252	3800	99	191	192	37	248	12	2.0	0.0
KLR3666	221235	0850252	3800	20	78	98	15	196	6	2.0	0.0
KLR3667	217840	0848700	2230	71	18	39	15	47	4	2.0	2.0
KLR3668	217843	0848698	4H00	76	140	125	30	137	13	4.0	3.0
KLR3670	216300	0851850	2270	991	80	149	24	162	10	53.0	3.0
KLR3671	216920	0851420	2230	172	3	116	92	136	1	0.0	5.0
KLR3672	216920	0851420	2230	65	1	34	28	17	1	6.0	12.0
KLR3673	216925	0851480	3800	22	0	116	61	10	1	6.0	9.0

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Sample Reference	Easting	Northing	Major rock type	Sn (ppm)	Sb (ppm)	Ba (ppm)	La (ppm)	Ce (ppm)	Pb (ppm)	Th (ppm)	U (ppm)	Au (ppb)
KLR3502	217080	0851780	22EM	0	0.0	174	7	14	4	2	3	2
KLR3504	216770	0851770	2C00	0	0.0	396	11	33	46	9	9	5
KLR3506	216690	0851870	2C00	0	0.0	391	12	23	8	3	4	4
KLR3507	219840	0851140	2230	0	0.0	42	5	14	1	1	2	2
KLR3511	218800	0851440	2270	0	0.0	522	9	14	8	1	3	1
KLR3533	216020	0854390	227E	0	0.0	573	6	3	4	2	3	1
KLR3541	220360	0852600	493C	0	0.0	168	16	34	6	2	1	4
KLR3584	216520	0849600	2200	0	0.0	922	8	20	0	1	1	3
KLR3589	223780	0850941	2300	0	0.0	598	16	36	2	7	1	2
KLR3606	226680	0848680	2K00	0	0.0	234	10	20	7	3	5	1
KLR3617	221200	0850260	2170	1	0.0	630	39	81	15	11	6	2
KLR3664	221106	0850313	3800	0	0.0	635	27	30	9	6	12	4
KLR3665	221235	0850252	3800	0	0.0	670	40	80	18	12	4	2
KLR3666	221235	0850252	3800	0	1.0	311	21	44	7	6	3	6
KLR3667	217840	0848700	2230	0	0.0	100	1	5	4	0	2	3
KLR3668	217843	0848698	4H00	0	0.0	509	13	31	5	4	2	4
KLR3670	216300	0851850	2270	0	1.0	626	25	47	4	9	12	2
KLR3671	216920	0851420	2230	0	0.0	53	129	294	6	3	10	2
KLR3672	216920	0851420	2230	0	0.0	38	14	11	7	0	2	6
KLR3673	216925	0851480	3800	0	0.0	30	96	213	0	2	2	4

**Table 4 Major rock type code classifications**

Scardroy Open File Report - Rock Codes	
2170	Biotite schist
2200	Gneiss - undifferentiated
22EM	Garnet mica gneiss
2230	Hornblende gneiss
2270	Biotite gneiss
227E	Biotite garnet gneiss
2300	Granitic gneiss
2C00	Psammitic gneiss
2K00	Pelitic gneiss
3800	Breccia
493C	Quartz-carbonate vein
4H00	Iron oxide/hydroxide rock - 'gossan'