

Meteoric Resources NL

ABN: 64 107 985 651

PO Box 963, West Perth, WA 6005

Phone: (08) 9485 2836; Fax: (08) 9485 2840

www.meteoric.com.au



METEORIC RESOURCES

Annual Report
MLC57 & MLC217–224
Barkly Project, Tennant Creek
Northern Territory

Reporting period
1 January 2014 to 31 December 2014

Project holder: Meteoric Resources NL (70%), Santexco Pty Ltd (30%)

Project operator: Meteoric Resources NL

Target commodity: Gold

Standard NT mapsheets: Tennant Creek (SE 53-14), Tennant Creek (5758), Grosse River (5858)

Author: D Reddy, Meteoric Resources NL, PO Box 963, West Perth, WA 6005

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Santexco Pty Ltd, c/- Emmerson Resources Pty Ltd, PO Box 1573, West Perth, WA 6872, Australia

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Annual Report, MLC51 & MLC217–224, Barkly Project, Tennant Creek, Northern Territory Reporting period 1 January 2014 to 31 December 2014

Tenement details

Meteoric Resources NL's Perseverance project near Tennant Creek in the Northern Territory comprises nine Mining Leases totalling 145Ha covering the Perseverance and Perseverance Extended copper–gold prospects. The tenements are subject to a joint venture agreement with Santexco Pty Ltd (31.57%), which is a subsidiary of Emmerson Resources Pty Ltd.

The tenements are within Meteoric's EL28260 (Barkly project), which contains the Bluebird prospect, held in joint venture with Blaze International.

The target commodity is gold.

Figure 1 shows the regional location and Figure 2 shows the tenement details. Details of these MLCs are shown on Table 1.



Figure 1. Location of the Barkly Cu–Au Project

Table 1. Details of MLC57 & MLC217–224

Mining Lease (Central)	Grant Date	Expiry Date	Current Area (hectares)
MLC57	19-Oct-66	31-Dec-15	17
MLC217	10-Oct-75	31-Dec-15	16
MLC218	10-Oct-75	30-Dec-15	16
MLC219	10-Oct-75	31-Dec-15	16
MLC220	10-Oct-75	31-Dec-15	16
MLC221	10-Oct-75	31-Dec-15	16
MLC222	10-Oct-75	31-Dec-15	16
MLC223	10-Oct-75	31-Dec-15	16
MLC224	10-Oct-75	31-Dec-15	16

Previous exploration

No ‘on ground’ activities have been undertaken since grant.

Meteoric has been unable to conduct exploration of any kind within the Mining Leases 57 and 217–224 because of an Exclusion Zone encompassing unusual outcropping rocks deemed to be a fairly sensitive registered sacred site.

The only work carried out was an office-based assessment of previous historical activity.

No field work has been carried out on the tenement since the late 1980s (when anomalous gold zones were defined from drilling by others) due to the Exclusion zone in place. The area continues to have significant exploration potential.

Meteoric has been communicating with the CLC (Central Land Council) to meet with the traditional landowners in order to pursue meaningful negotiations giving some security for future significant exploration leading to possible mining.

Meteoric has recently conducted exploration activities including drilling on EL28620 around the nine MLs.

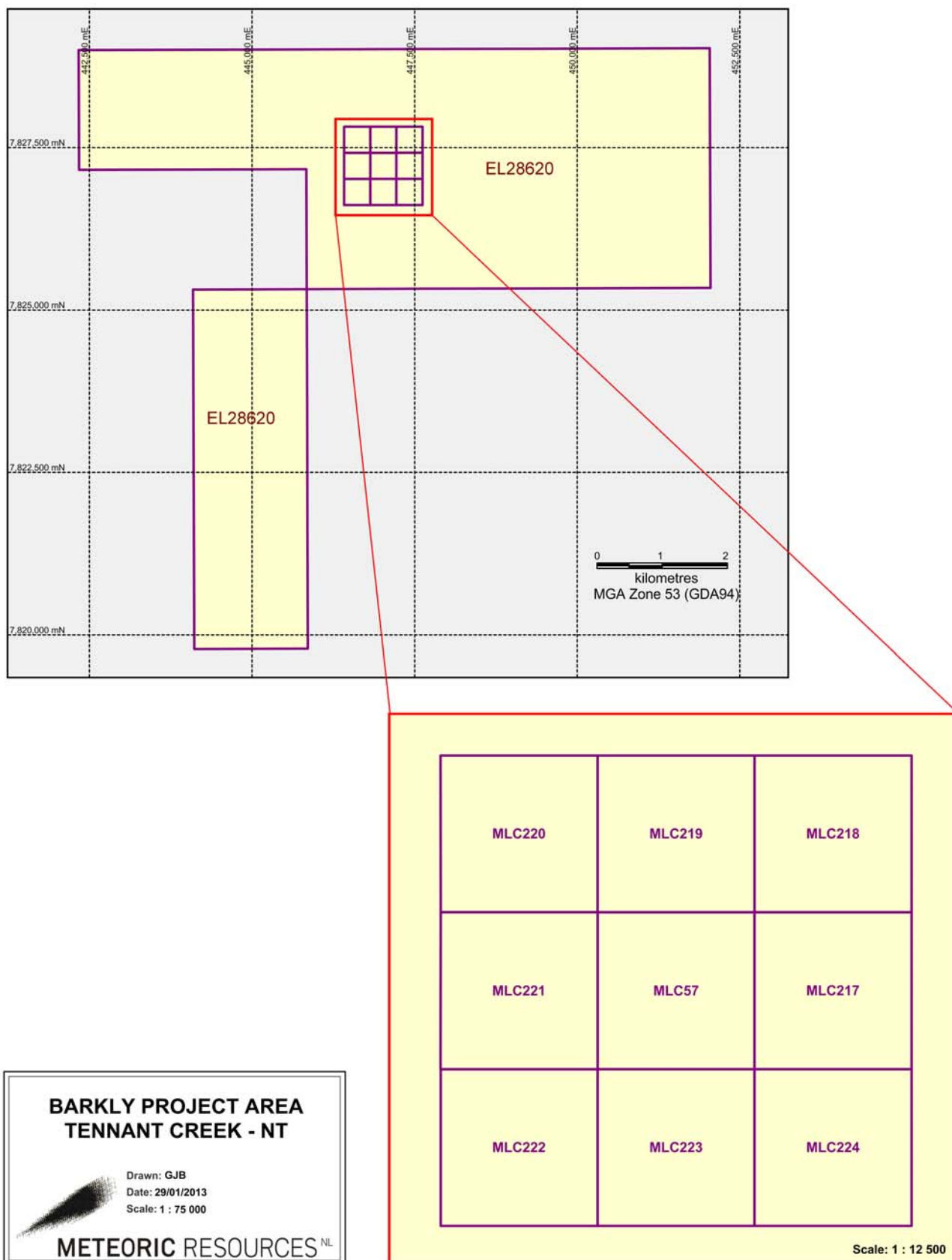


Figure 2. Perseverance MLC57, 217–224 Tenement location details

2014 exploration

The nine tenements cover the Perseverance and Perseverance Extended copper–gold prospects. The Perseverance target is 1.4km along strike from Meteoric’s Bluebird deposit where historical drilling results include 3m at 50.0g/t Au from 42m and 3m at 43.2g/t Au from 72m.

The tenements are centred on several outcropping ironstone lenses associated with a pronounced aeromagnetic anomaly coincident with a series of discrete gravity anomalies situated adjacent to the Bluebird gravity ridge (Figure 3).

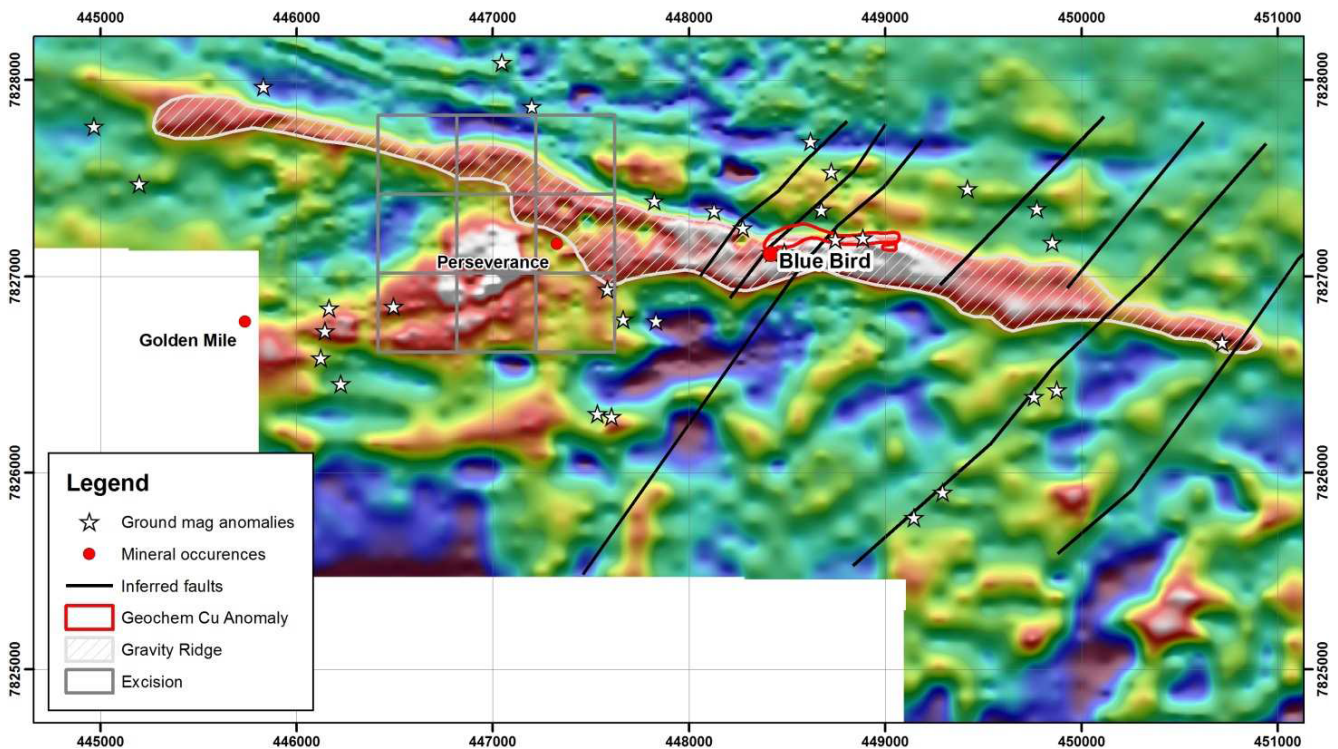


Figure 3. Residual ground gravity image of the Barkly Project showing remnant magnetic anomalies in white stars, structural interpretation in black lines and Bluebird copper geochemical anomaly in a red polygon. Note the “gravity ridge” running from WNW to ESE through the centre of the image (from MEI and MEICA ASX Release 8 September 2014

During the 2014 reporting year Meteoric Resources carried out reviews of historical exploration data including:

- digitising of geological maps (refer Figure 4 Perseverance geology).
- digitising of previous RC and RAB drilling (refer Figures 5 to 9 Perseverance drillhole locations and downhole sections).
- tabulation of previous drilling results (refer Table 2 Perseverance drilling summary).
- imaging of magnetic and gravity data (refer Figure 10 Perseverance gravity and TMI).

A total of 41 RC holes and 3 diamond drillholes are recorded to have been drilled at Perseverance and Perseverance Extended between 1969 and 1997; however, much of this drilling was of less than 100m in depth and carried out prior to development of modern geophysical modelling techniques.

No exploration has been carried out on the tenements since 1997.

Historical drilling by Normandy Poseidon Ltd in 1987 intersected significant gold mineralization including (Figures 5 to 7):

- PERC001: 3m at 43.2g/t Au from 72m,
- PERC006: 4m at 4.7g/t Au from 14m,
- PERC009: 3m at 3.3g/t Au from 77m,
- PERC015: 3m at 50.0g/t Au from 42m.

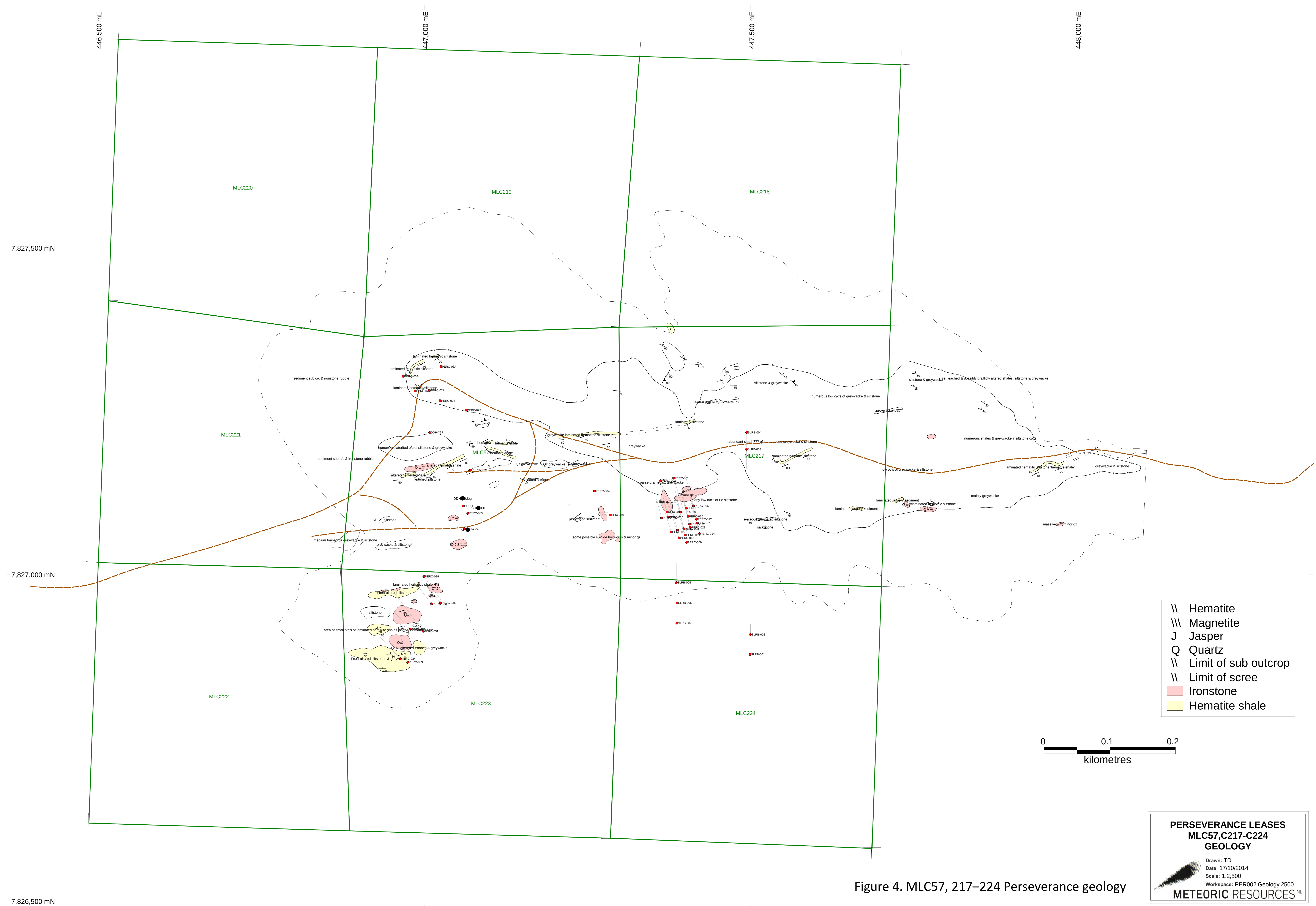
Copper and bismuth assays are not recorded from these holes.

In October 2014 Meteoric applied for an Authority Certificate from the Aboriginal Areas Protection Authority to carry out geophysical surveys (ground-based gravity, EM and magnetic surveys) and drilling on the tenement, excluding a 150m² restricted works area centred on an aboriginal site. This certificate was approved in December 2014.

Future work

Meteoric is proposing to carry out a detailed ground magnetic survey on the tenements (excluding the small restricted works area) and model both the new magnetic data and existing gravity data in order to assess the extent and potential of the Perseverance mineralised ironstone system.

Reverse circulation drilling is proposed to test the mineralised system after reviewing the modelled geophysical data. The holes proposed are shown in Figure 5.



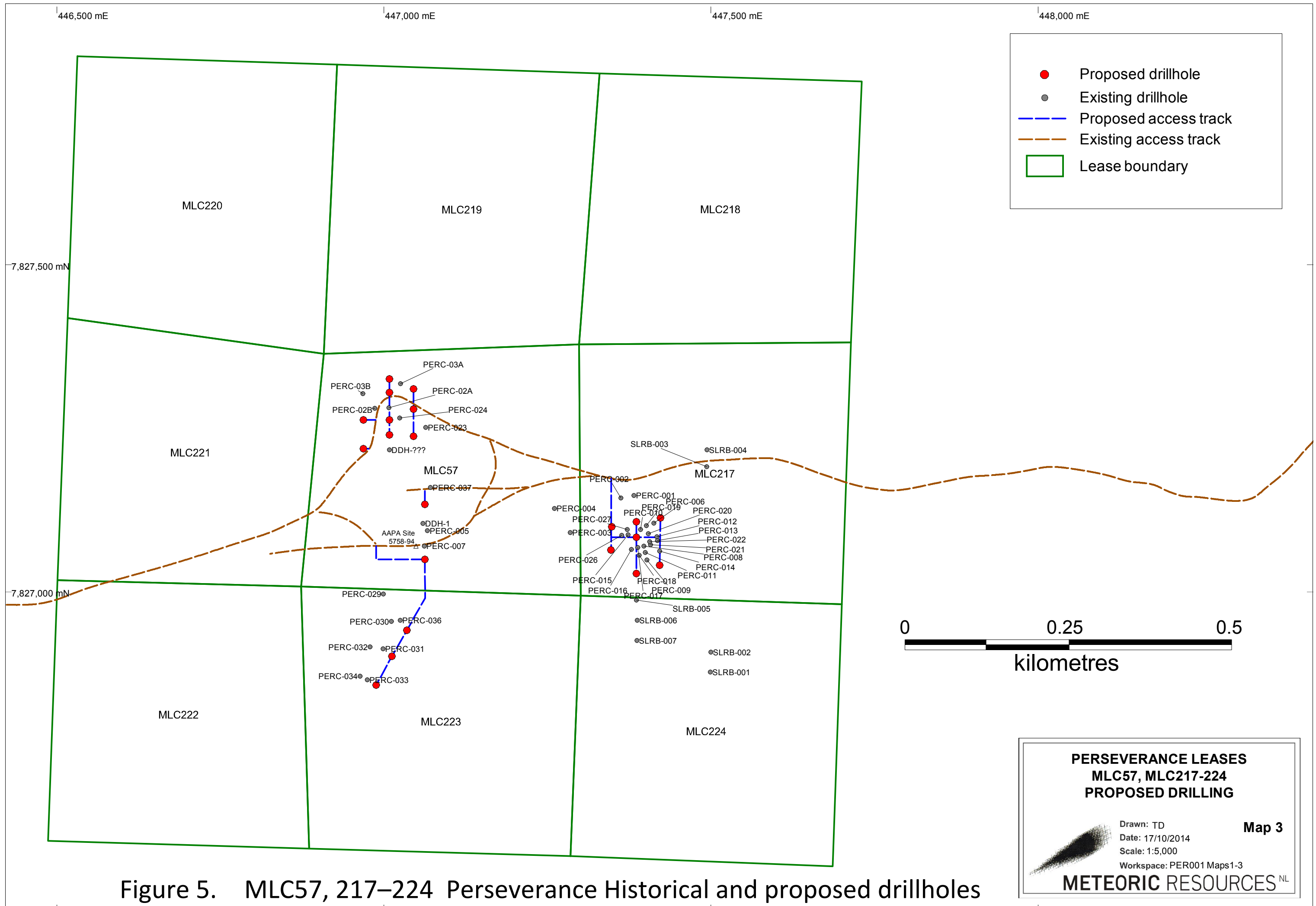
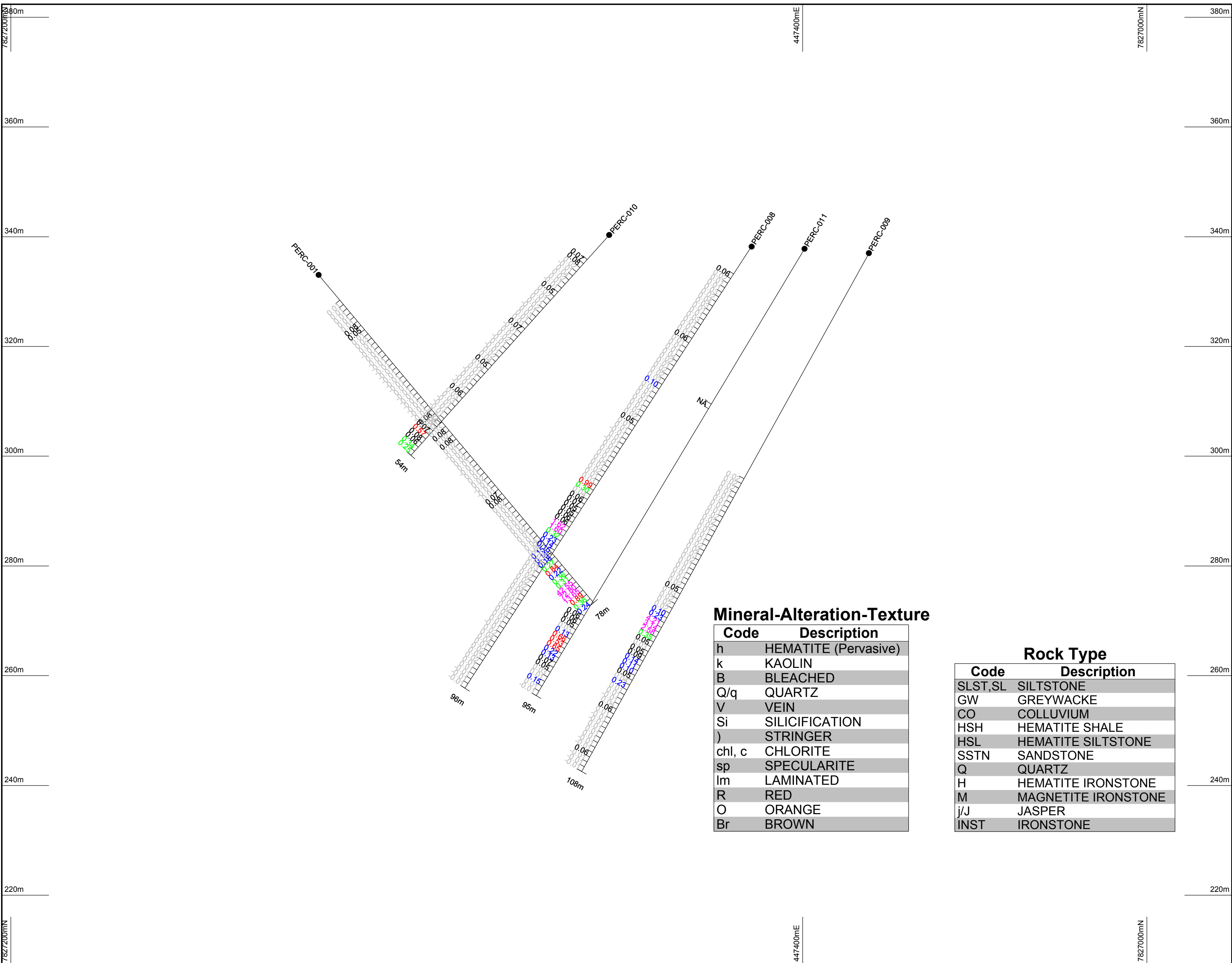
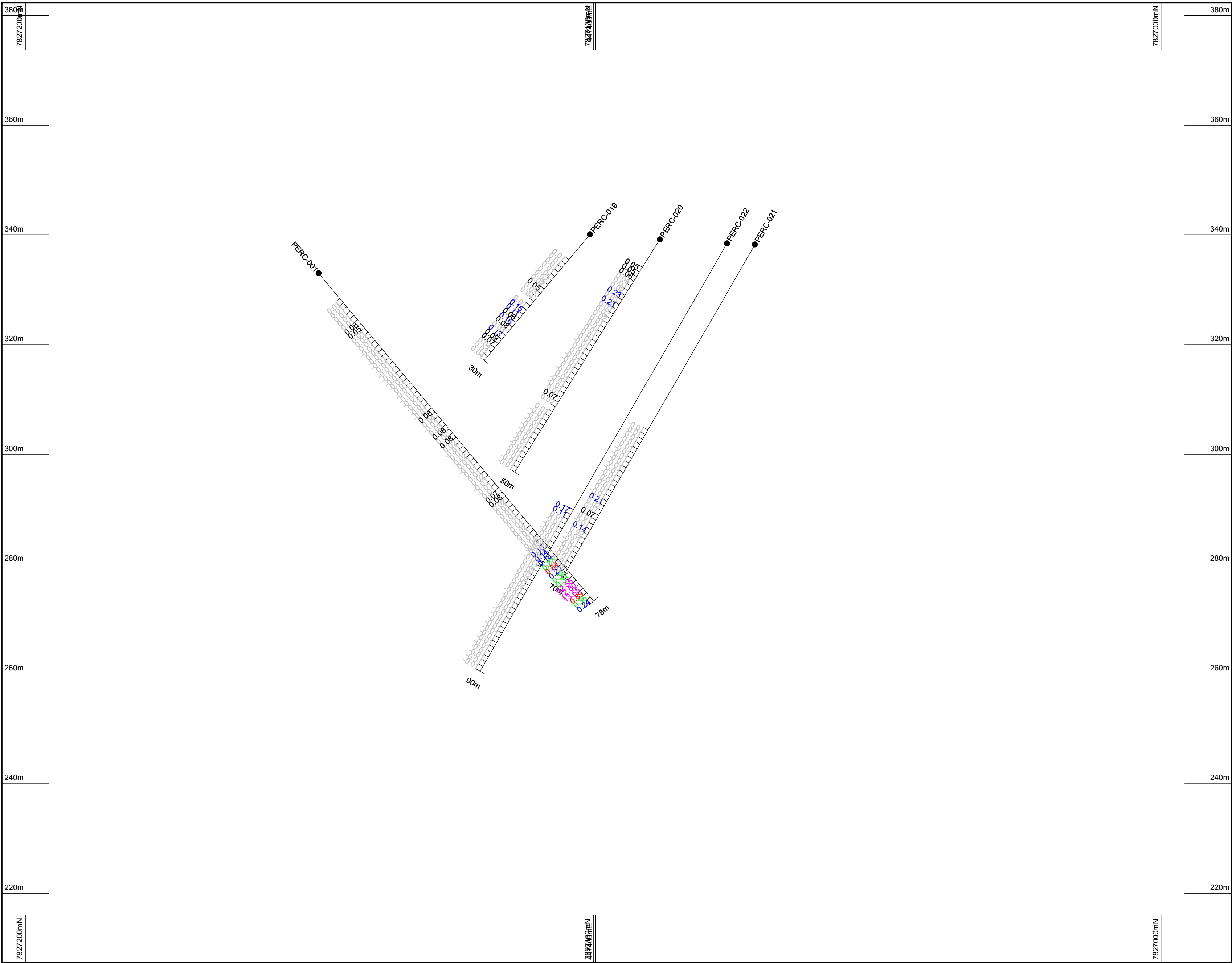
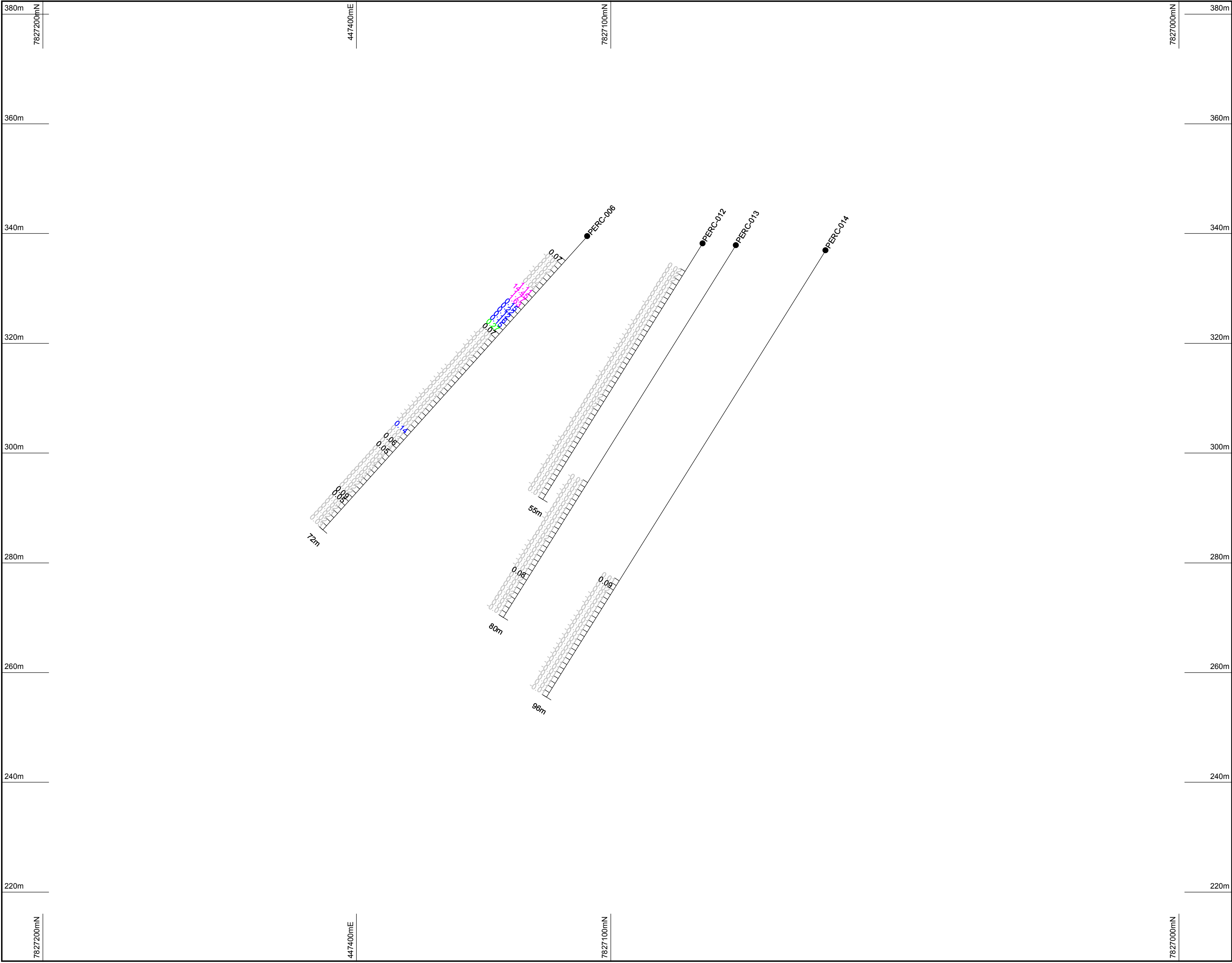
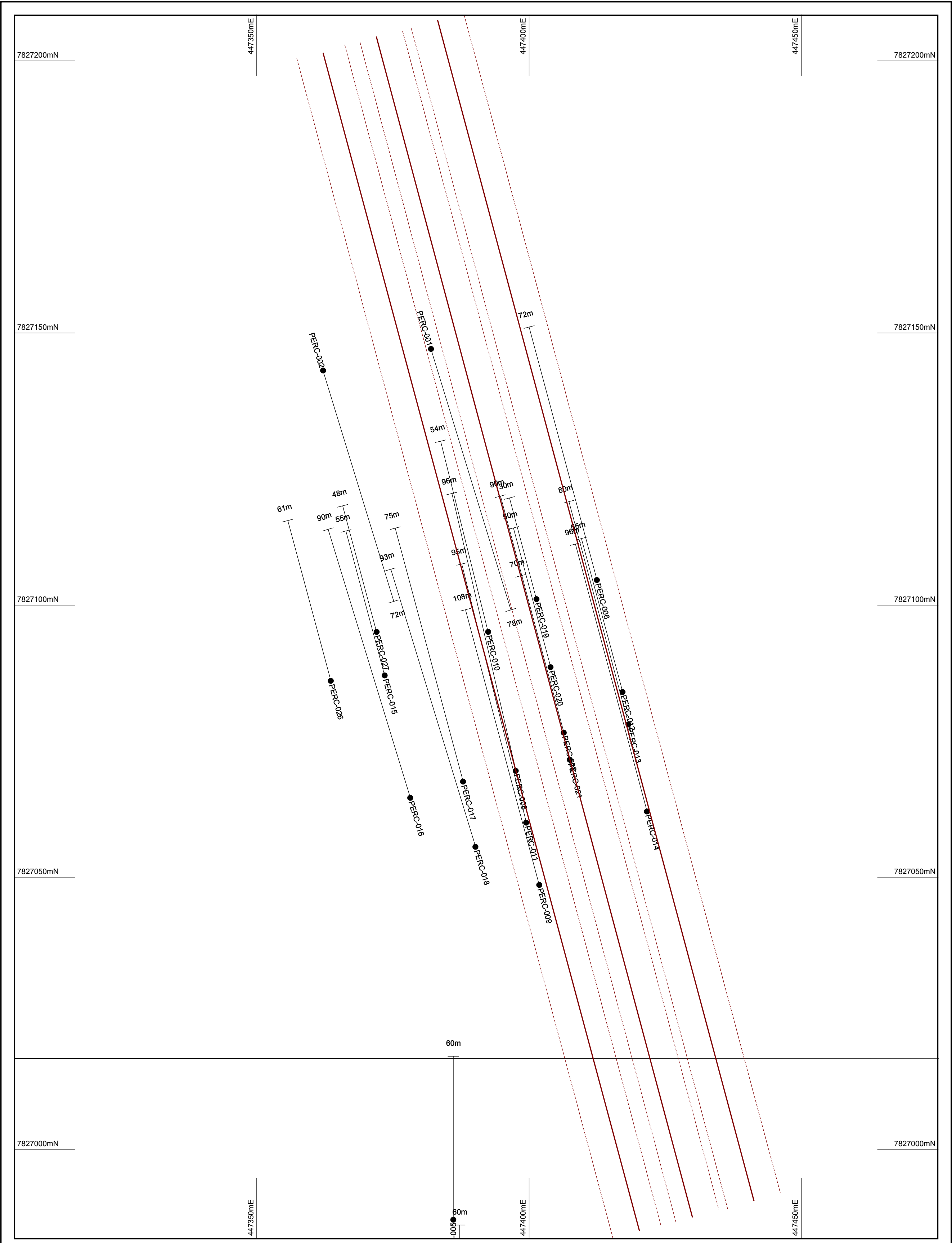
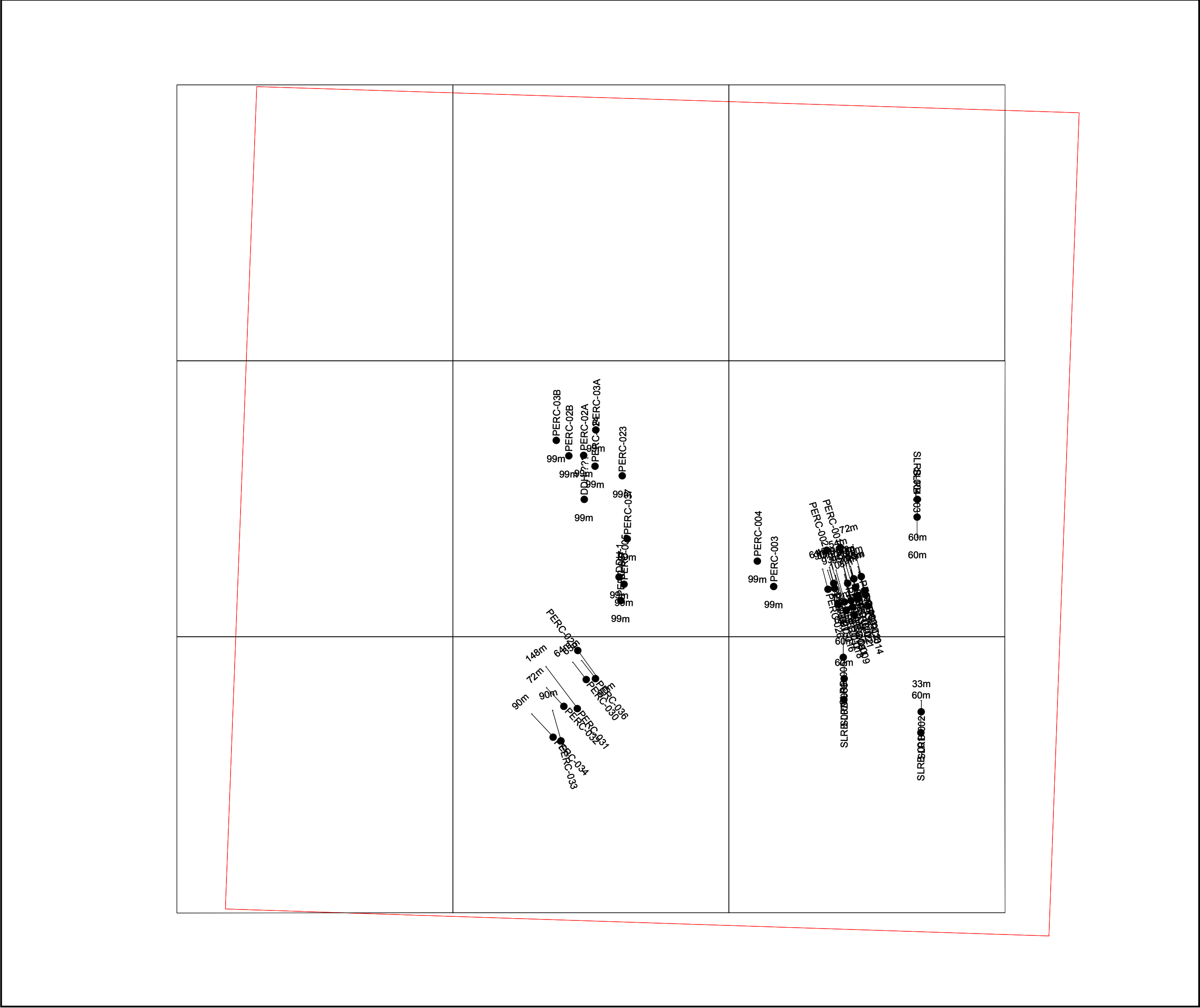
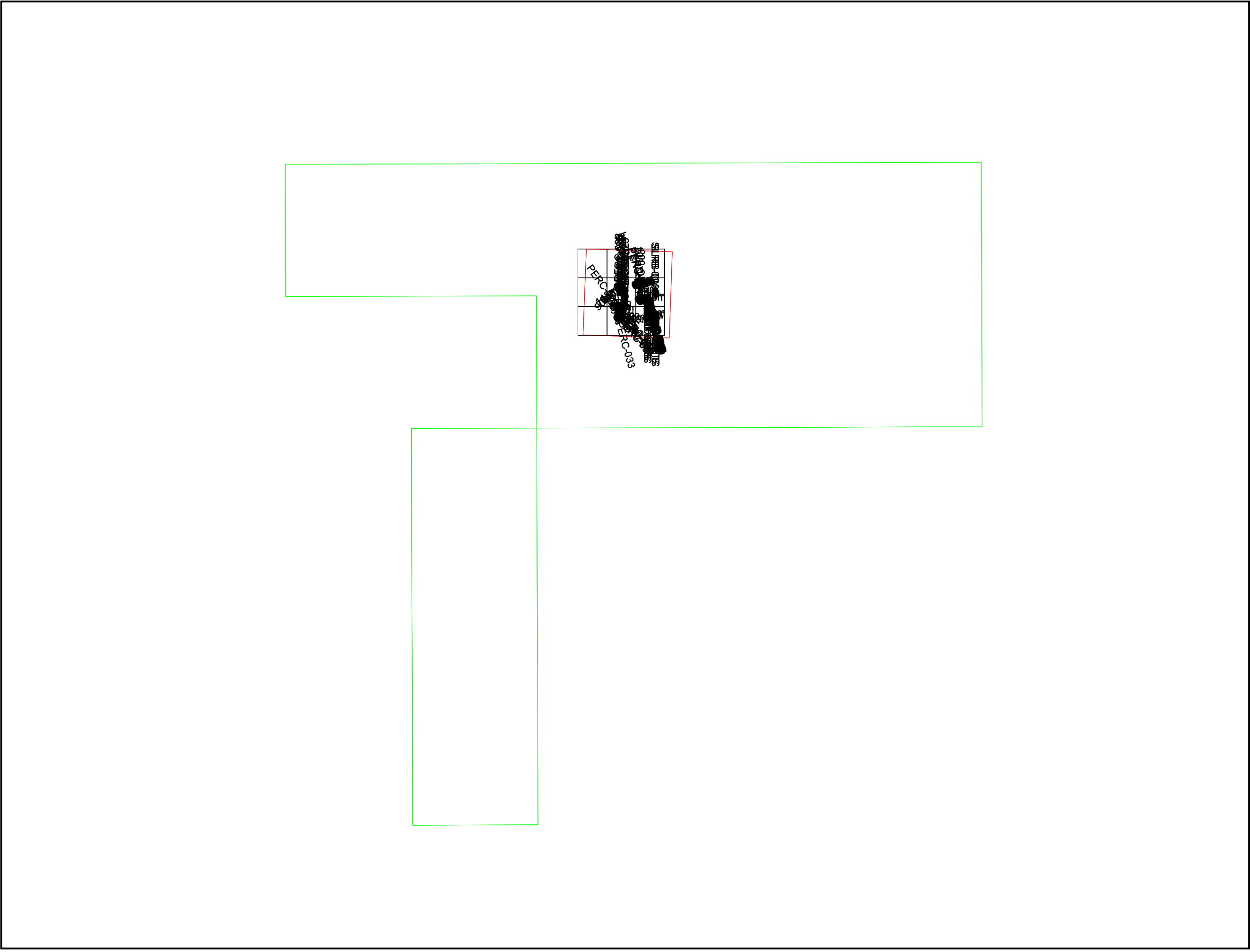
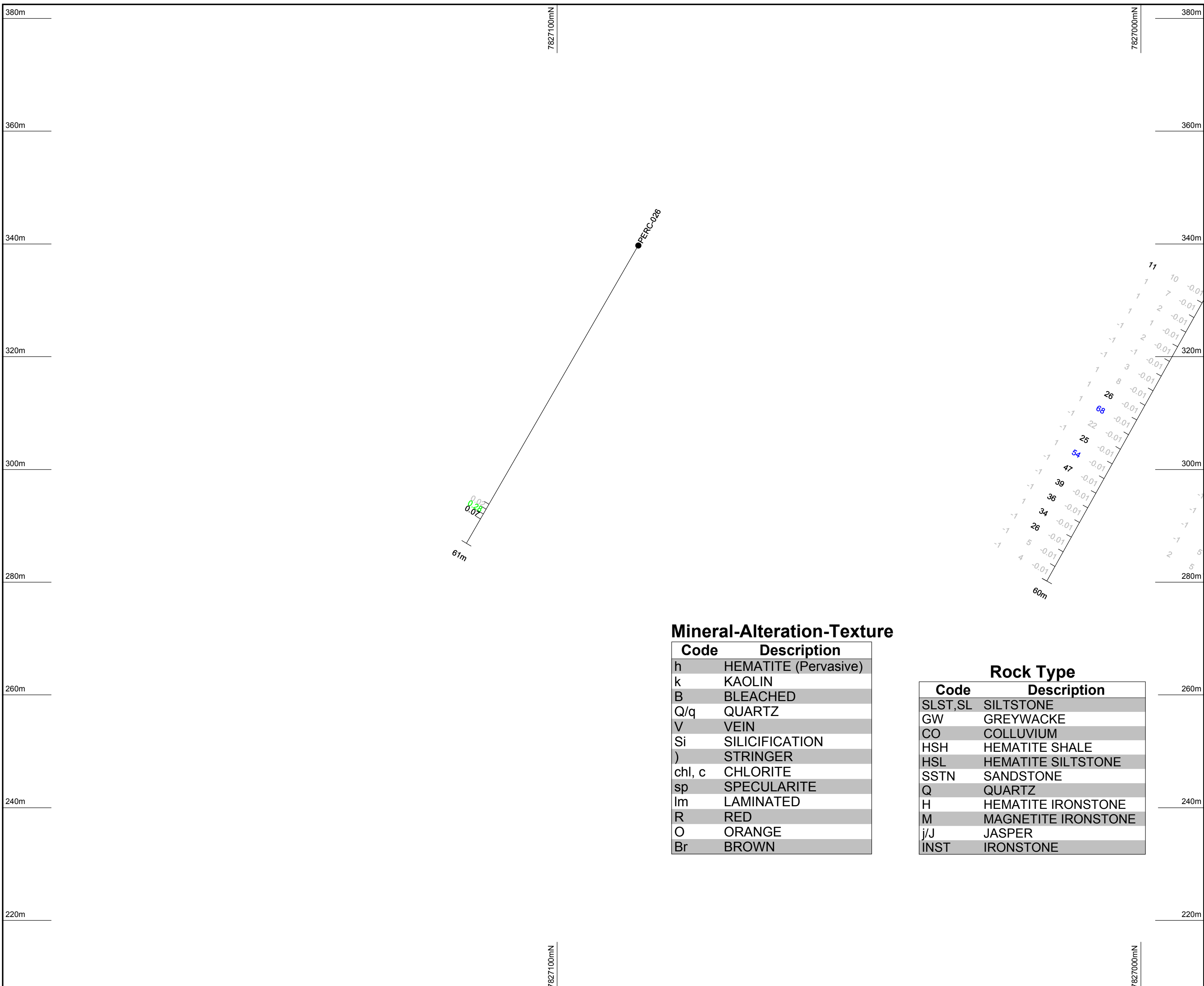
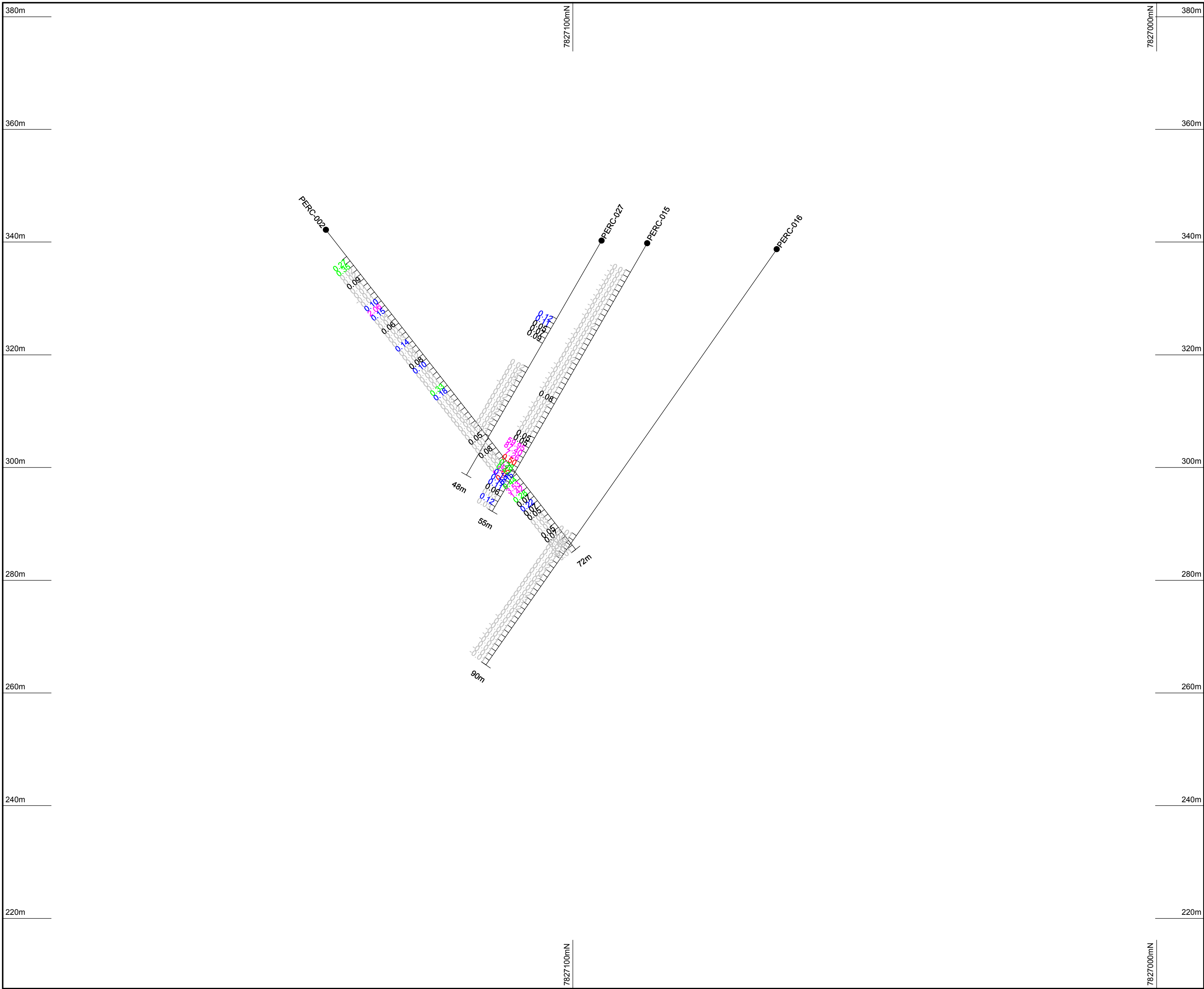
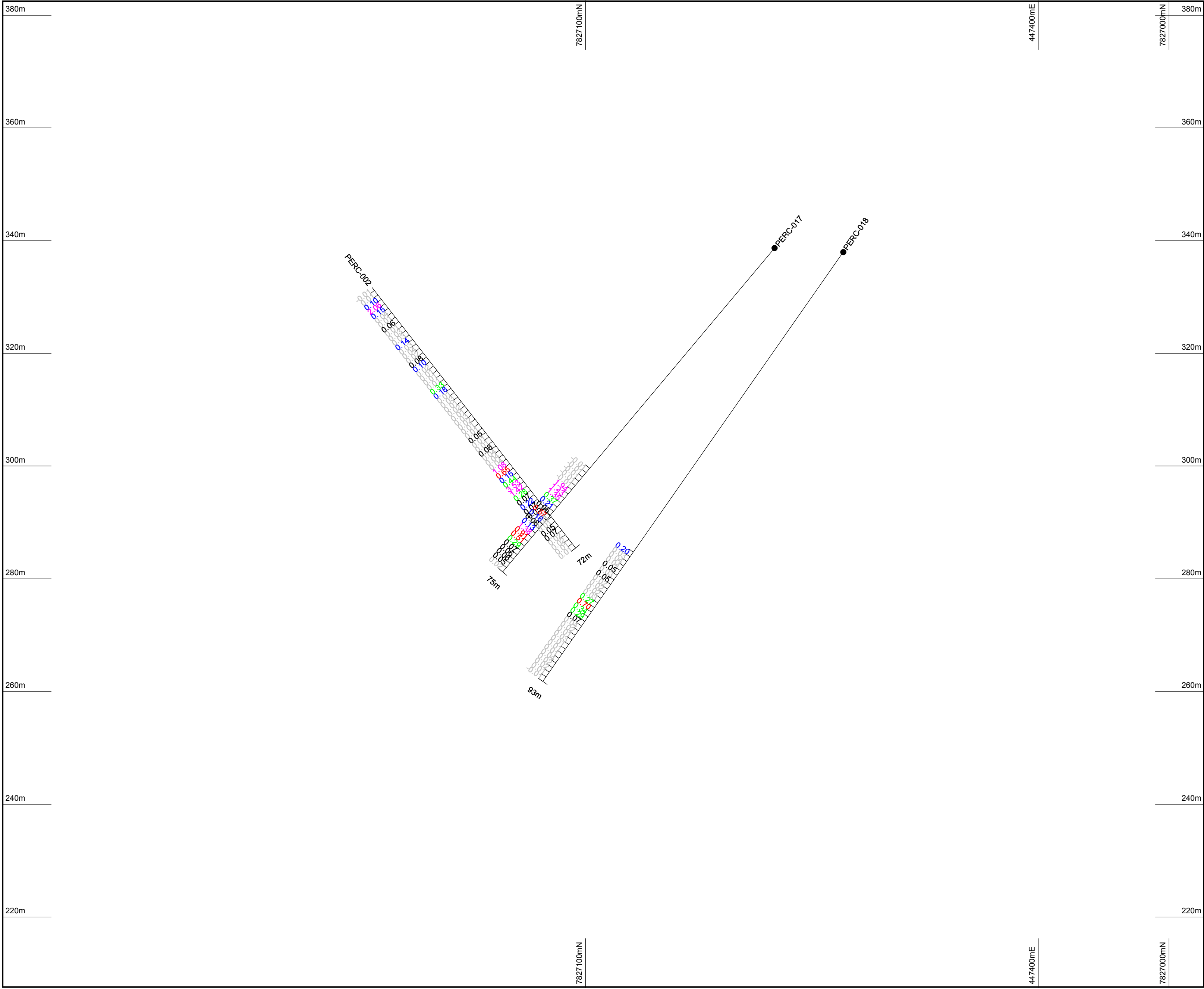
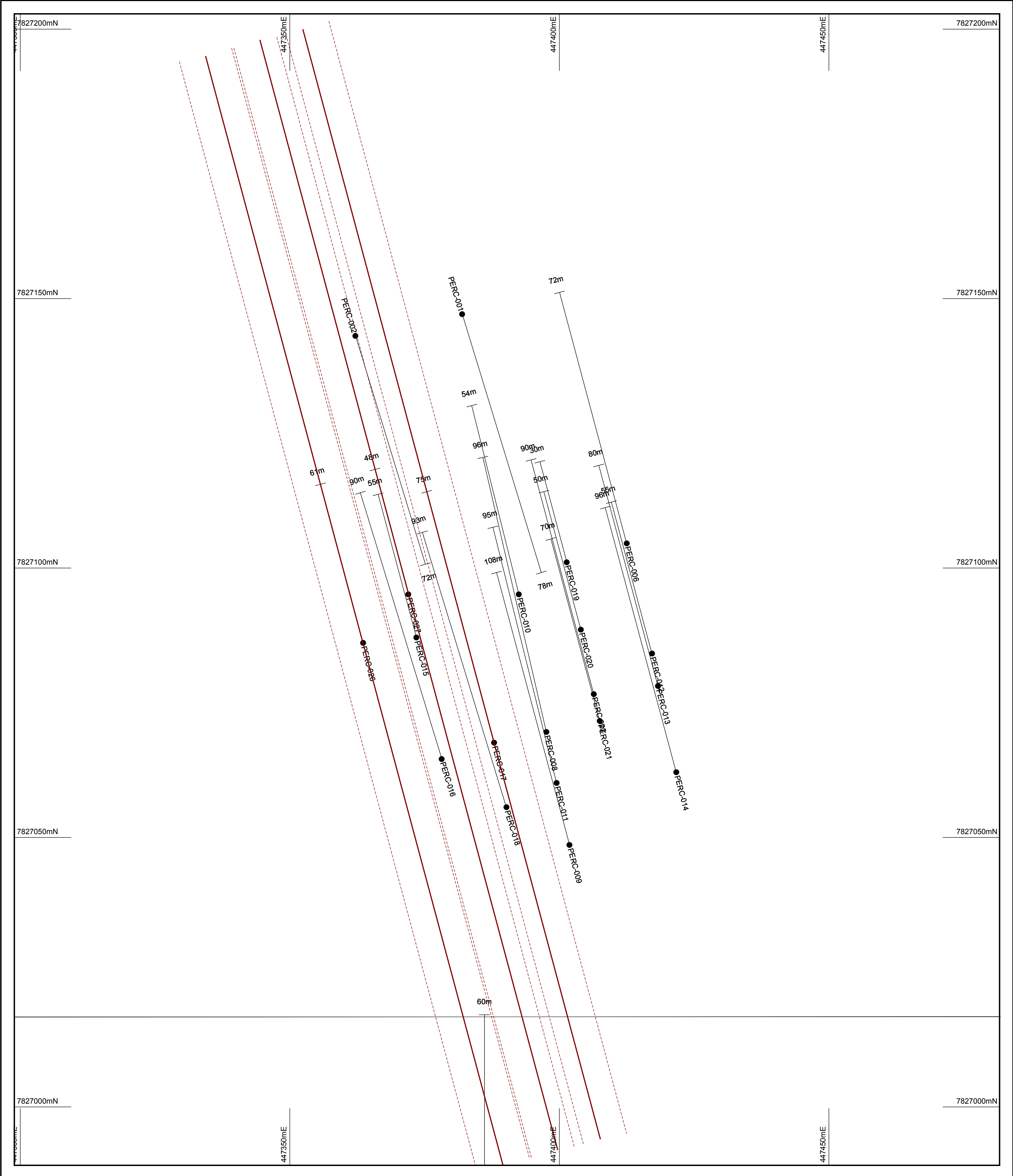
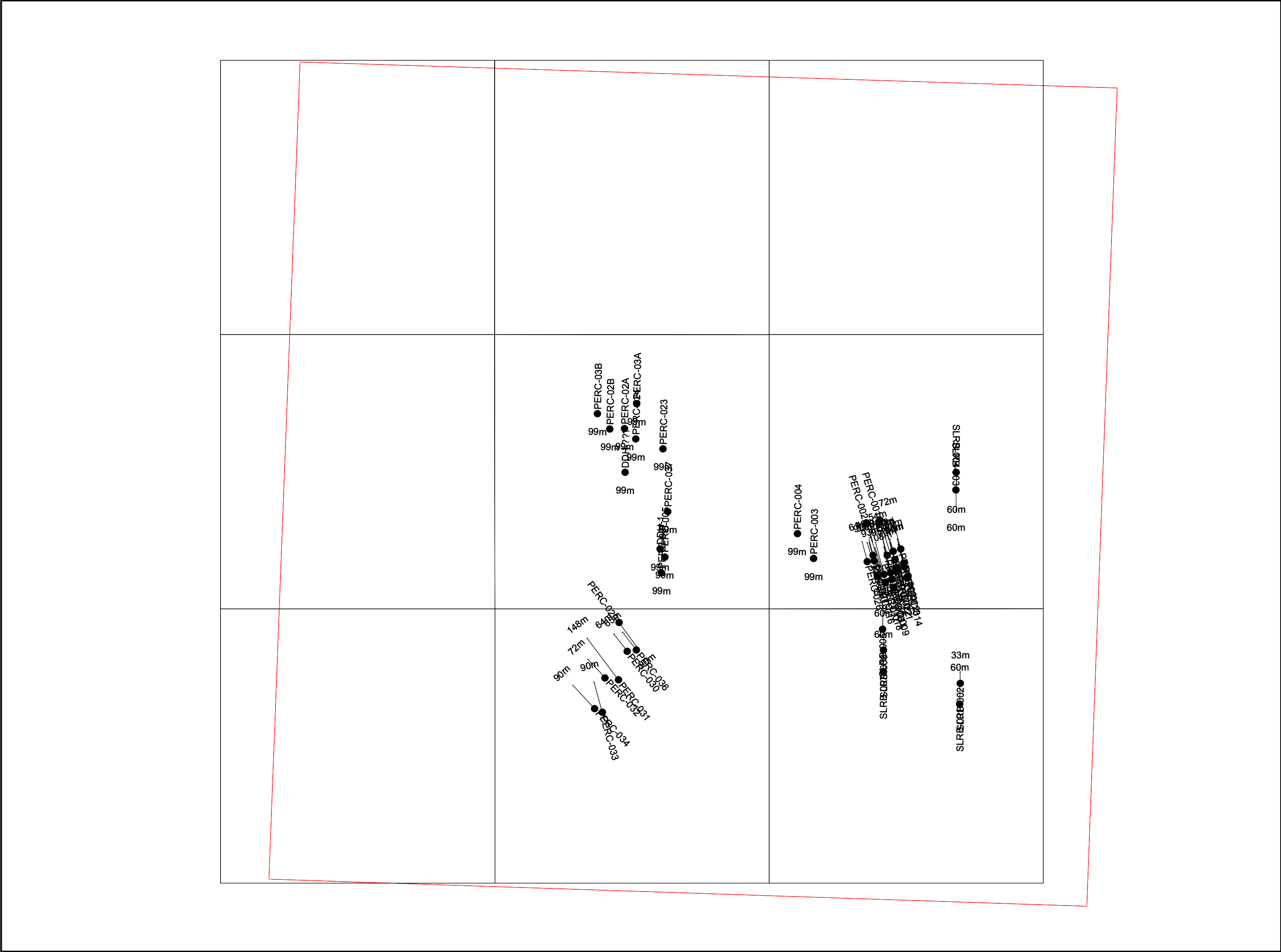
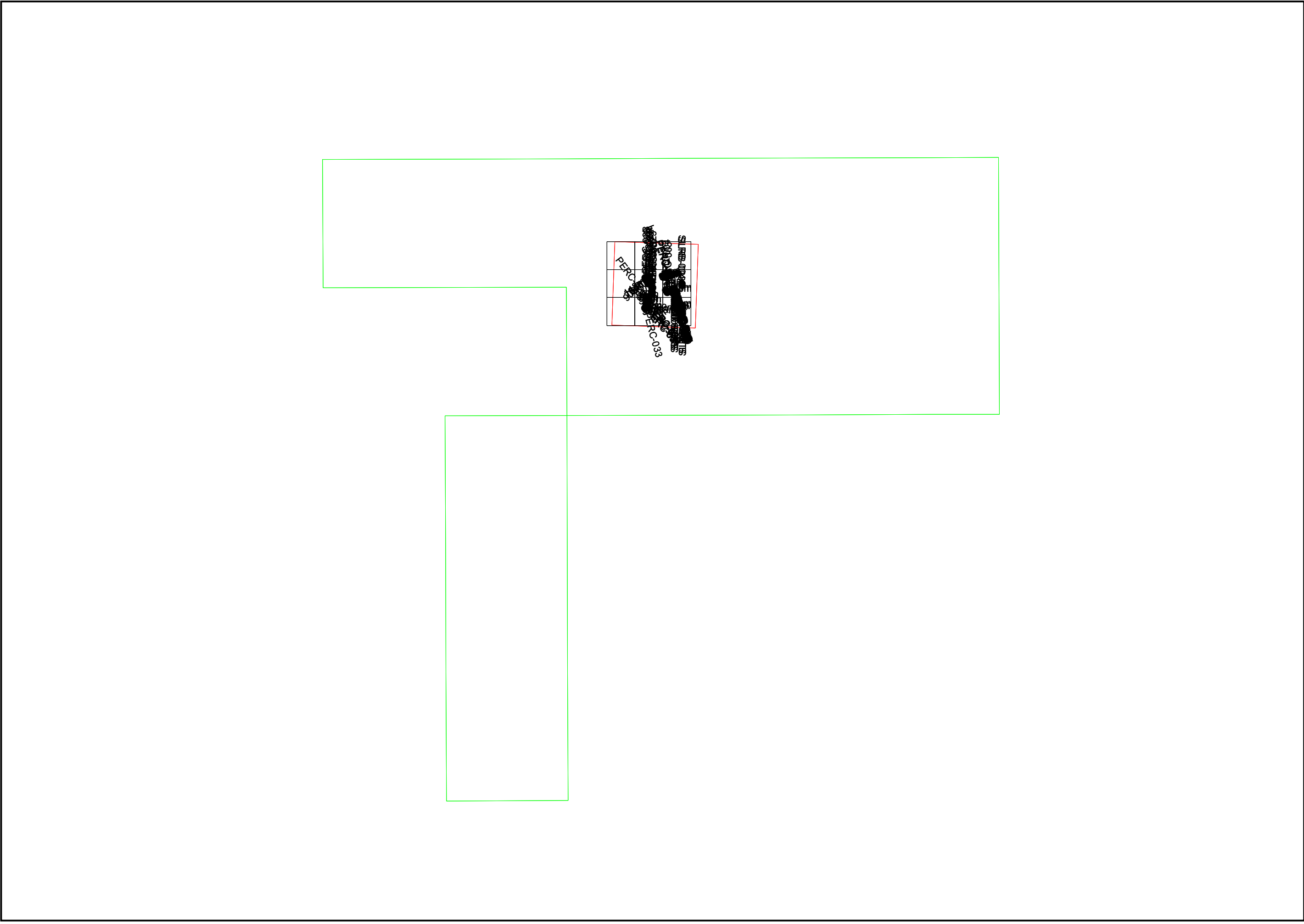


Figure 5. MLC57, 217–224 Perseverance Historical and proposed drillholes





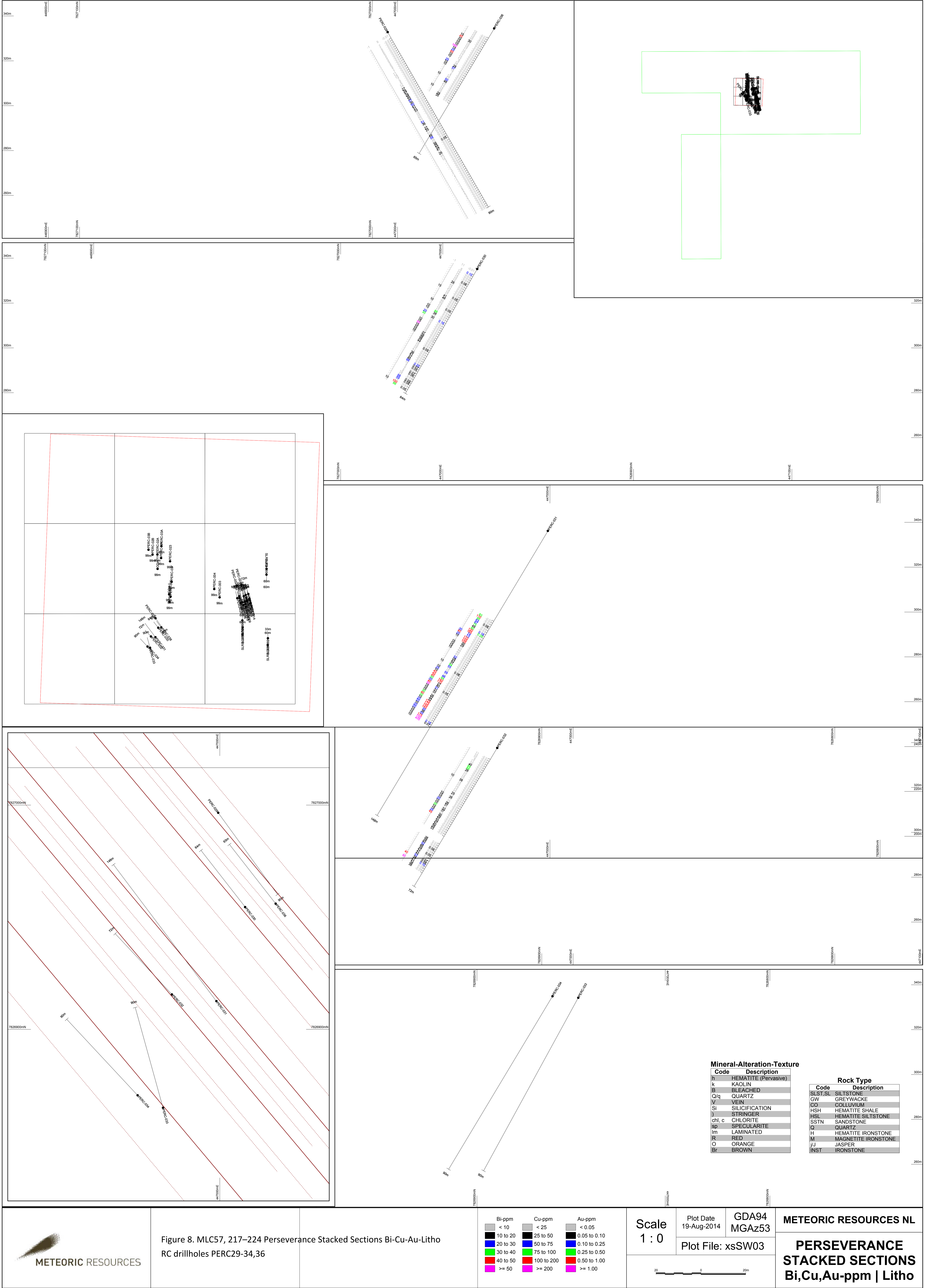


Figure 8. MLC57, 217-224 Perseverance Stacked Sections Bi-Cu-Au-Litho RC drillholes PERC29-34,36

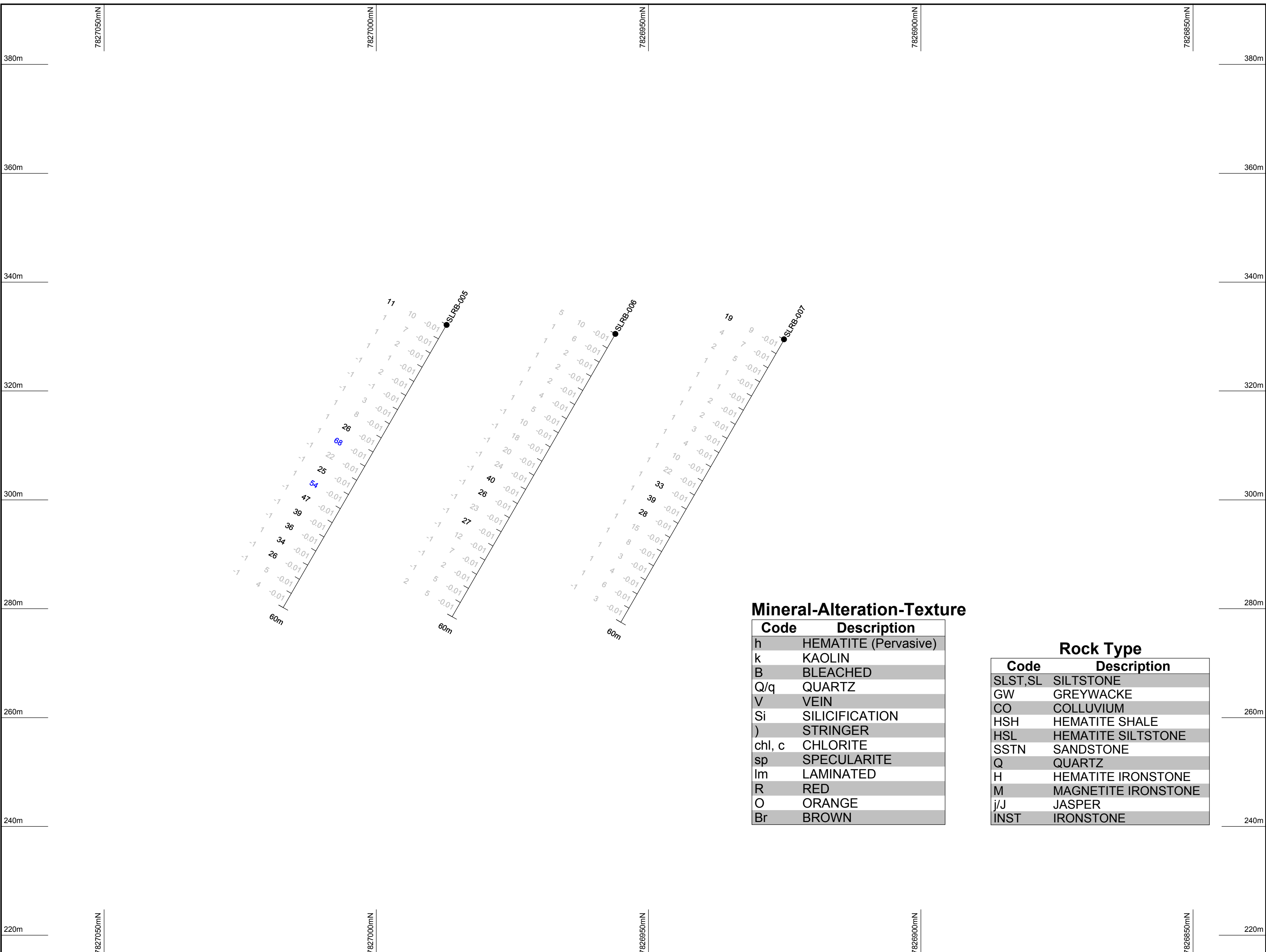
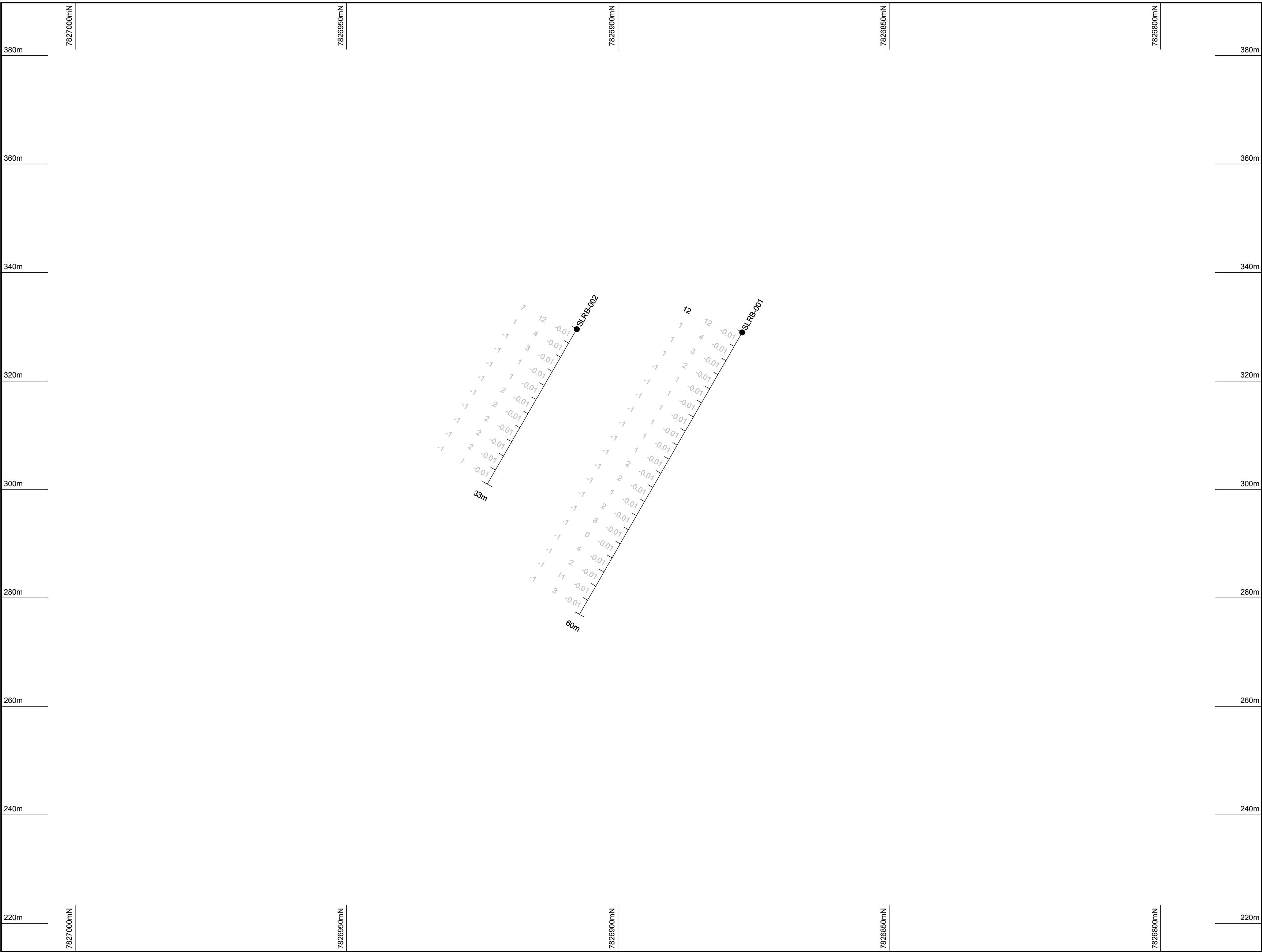
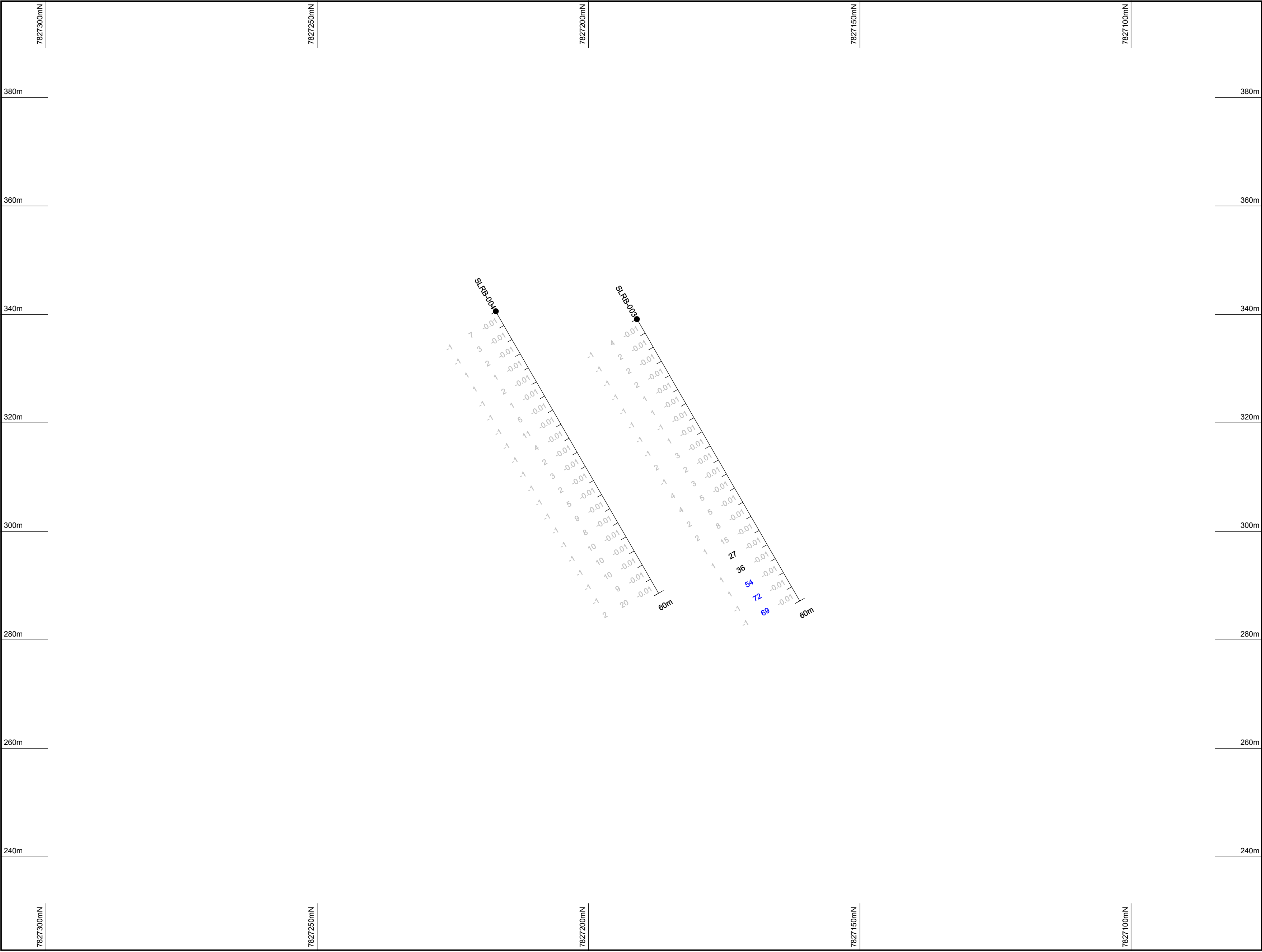
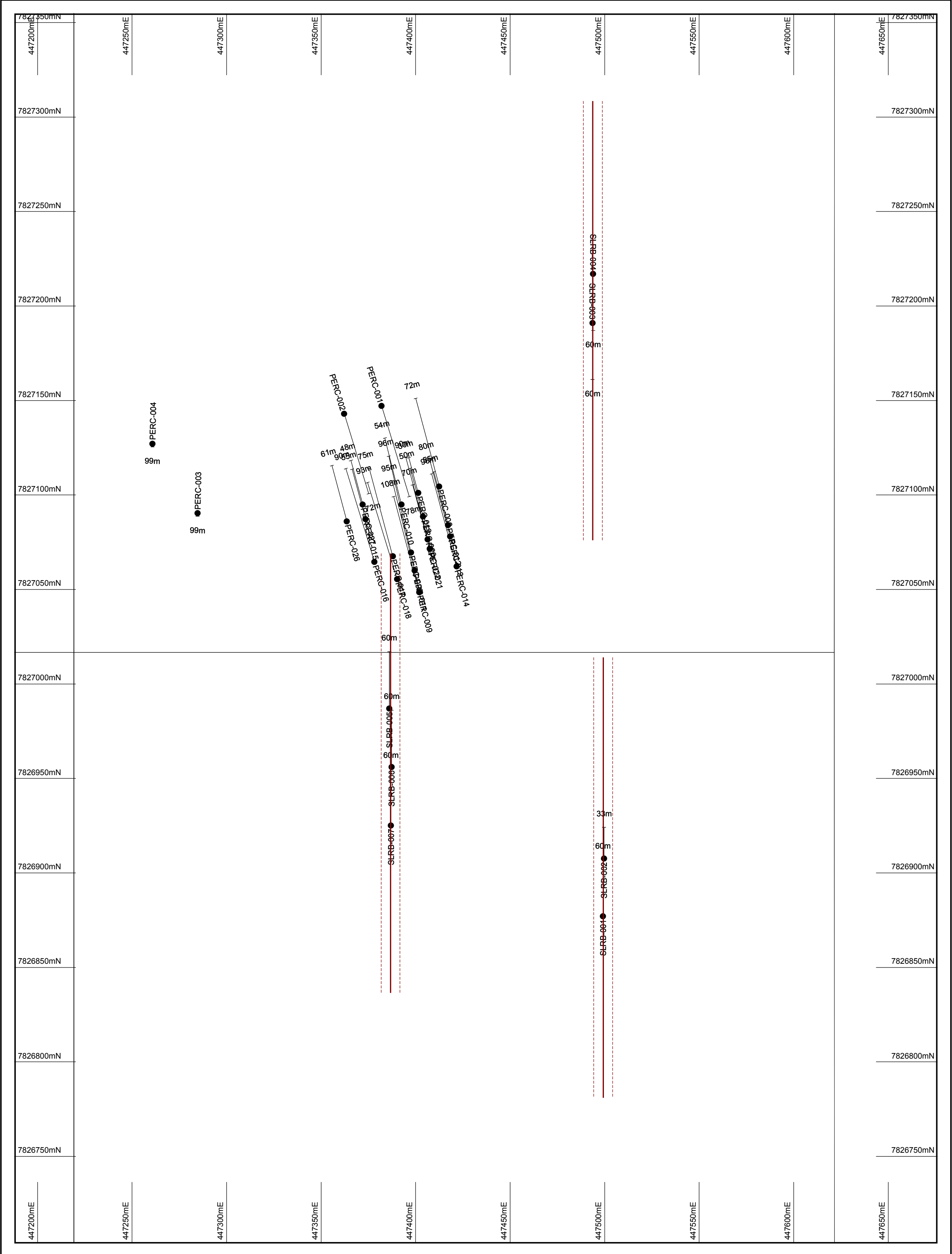
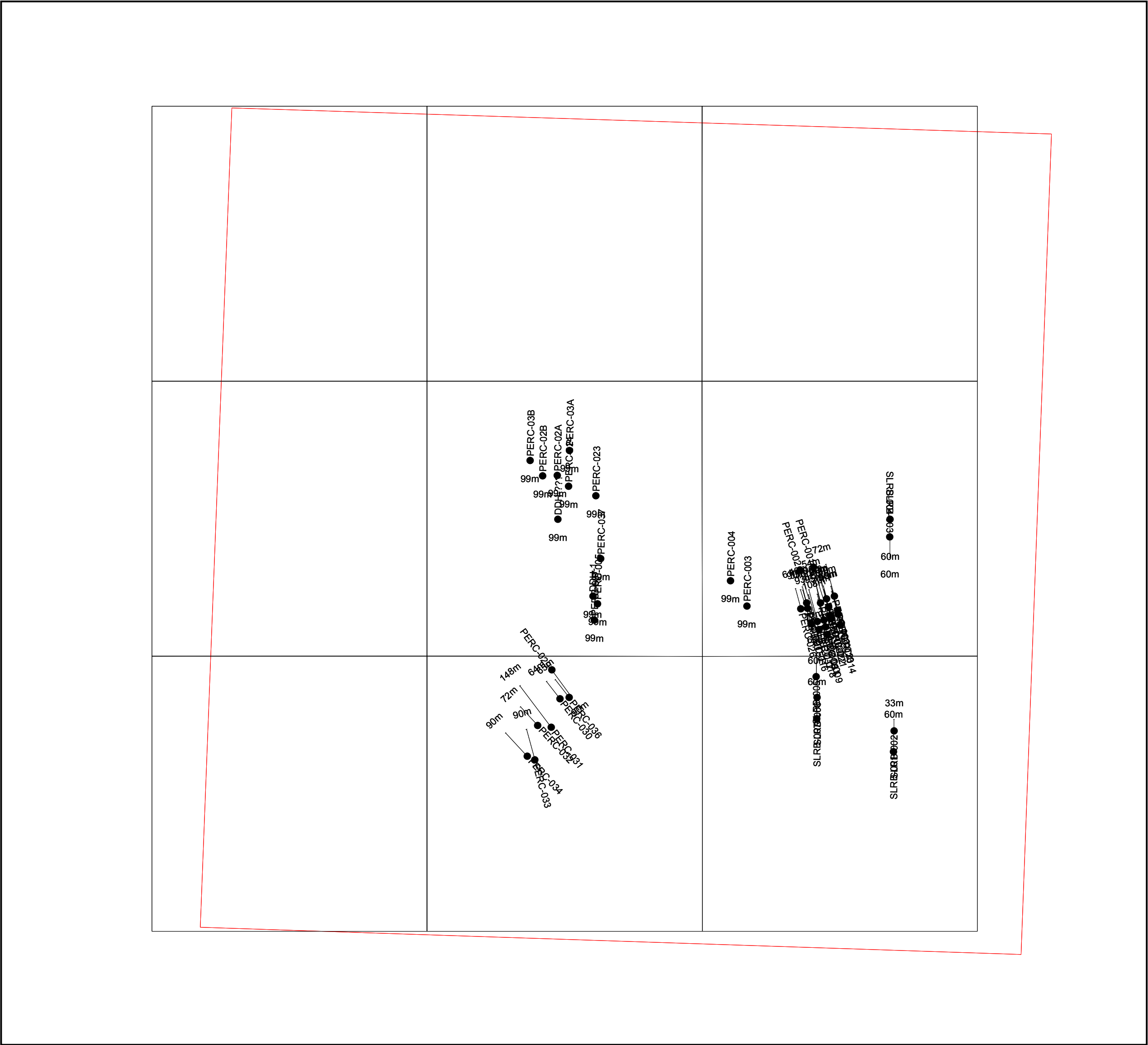
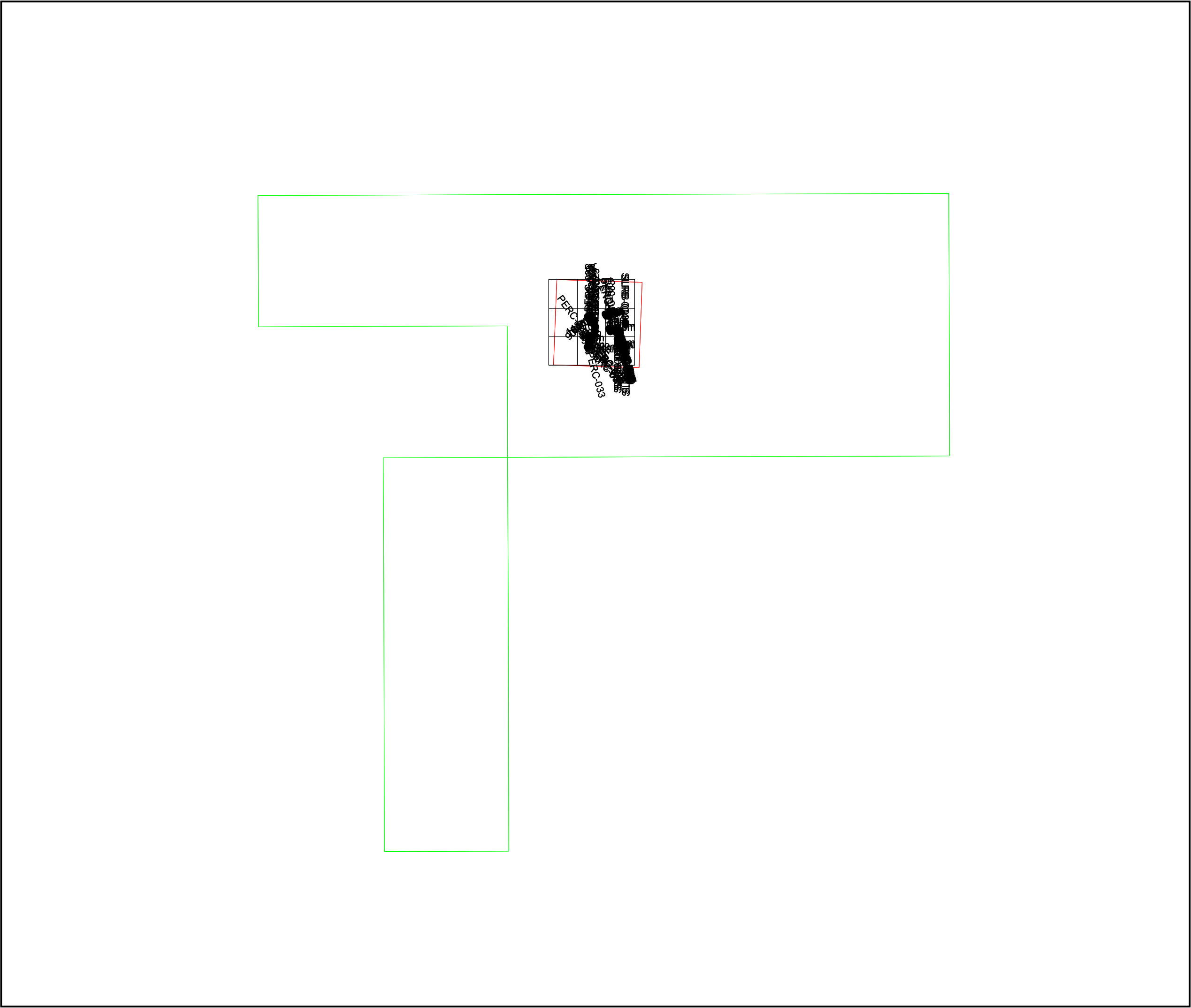
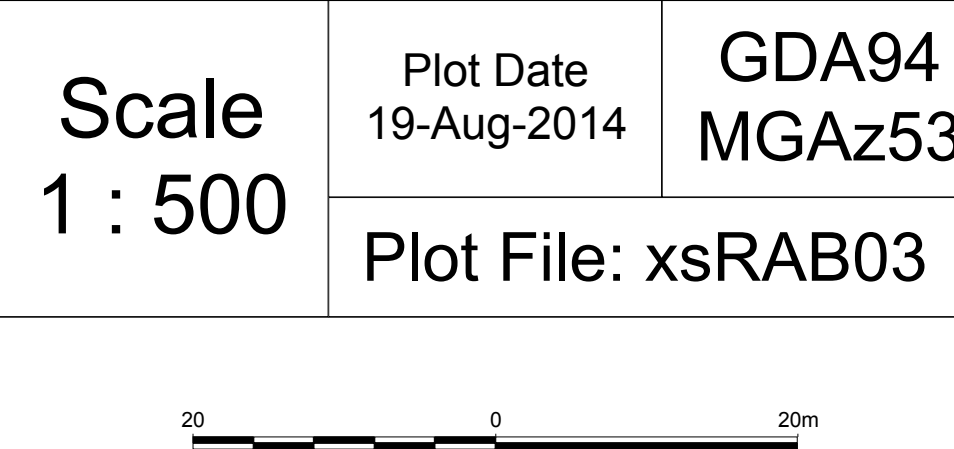
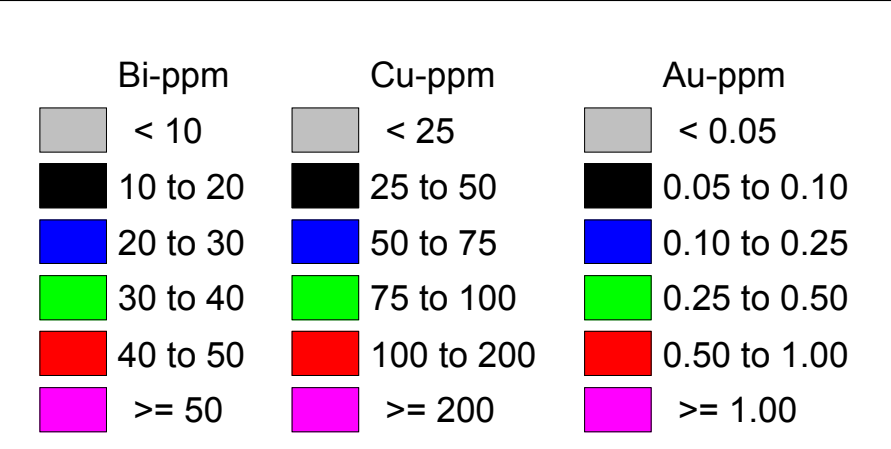


Figure 9. MLC57, 217–224 Perseverance Stacked Sections Bi-Cu-Au-Litho RAB drillholes SLRB1-7



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PERSEVERANCE STACKED SECTIONS Bi,Cu,Au-ppm | Litho

Plot Date 19-Aug-2014

Plot File: xsRAB03

GDA94 MGAz53

Table 2. Perseverance historical drilling summary

Hole No	From	To	Interval	Au	Cu	Bi	Target	Year	Comments
	m	m	m	g/t	%	ppm			
DDH-1	49.7	50.9	1.2	1.2			PE2	1969	Hematite-quartz-jasper 36.3 - 47.1m.
	88.4	89.6	1.2		0.2				Hematite-magnetite-chlorite ironstone 47.1 - 91.4m.
SHDH 86	15.2	16.7	1.5	3.7			PE2	1975	Ironstone 14-56m.
	18.3	21.3	3	3.1					
	54.9	56.4	1.5	2.3					
	62.5	64	1.5	8.2					
SHDH 88				nsi	a	a	PE2	1975	Ironstone 65.5 - 79.2m EOH, caved-in.
DDH 558				nsi			PE2	1975	No Ironstone. Fault+/- quartz-hematite-jasper stringers.
PERC 001	72	75	3	43.2	na	na	PM	1987	
PERC 002	16	17	1	2.1	na	na	PM	1987	
	52	53	1	1.0	na	na			
	56	58	2	2.6	na	na			
PERC 003				nsi			PMW	1987	
PERC 004				nsi			PMW	1987	
PERC 005	23	26	3	1.5			PE2	1987	
PERC 006	14	18	4	4.7	na	na	PM	1987	
PERC 007				nsi			PE2	1987	
PERC 008	52	53	1	1.0	na	na	PM	1987	
	61	63	2	1.6	na	na			
PERC 009	77	80	3	3.3	na	na	PM	1987	
PERC 010	49	54	5	0.3	na	na	PM	1987	EOH
PERC 011	83	86	3	0.6	na	na	PM	1987	6-78m not assayed.
PERC 012				nsi	na	na	PM	1987	
PERC 013				nsi	na	na	PM	1987	7-51m not assayed.
PERC 014				nsi	na	na	PM	1987	6-71m not assayed.
PERC 015	42	45	3	50.0	na	na	PM	1987	
PERC 016				nsi	na	na	PM	1987	6-62m not assayed.
PERC 017	56	59	3	1.5	na	na	PM	1987	6-51m not assayed.
	62	70	8	0.5	na	na	PM		
PERC 018	77	80	3	0.4	na	na	PM	1987	
PERC 019				nsi	na	na	PM	1987	
PERC 020	12	13	1	0.2	na	na	PM	1987	
	14	15	1	0.2	na	na	PM		
PERC 021	54	55	1	0.2	na	na	PM	1987	6-40m not assayed.
PERC 022	56	58	2	0.13	na	na	PM	1987	
PERC 023				nsi			PE1	1987	
PERC 024	179	185	6	nsi	0.16		PE1	1987	
PERC 025				nsi			PE1	1987	
PERC 026	54	55	1	0.28	na	na	PM	1987	7-53m, 56-61m not assayed.
PERC 027	16	18	2	0.11	na	na	PM	1987	
PERC 028				nsi			PE1	1987	Just missed magnetic target.Strong chlorite alteration.
PERC 029				nsi			PES	1988	
PERC 030	28	29	1	0.16	nsi	30	PES	1988	Ironstone 10-39m.
	50	51	1	0.2	nsi	nsi	PES		
PERC 031	54	56	2	0.22	0.01	nsi	PES	1988	Hematite-quartz-jasper-chlorite 12-40m.
	100	101	1	0.26	0.07	nsi	PES		
PERC 032	60	62	2	0.11		25	PES	1988	Hematite-quartz-jasper-chlorite 12-40m.
PERC 033				na	na	na	PES	1988	No ironstone
PERC 034				na			PES	1988	No ironstone
PERC 035	177	195	18		0.17			1988	
PERC 036				nsi			PES	1988	Hematite-quartz 10-29m.
PERC 037	90	108	18		0.27		PE2	1988	Ironstone 70 true width.
PERC 038				nsi			PE1	1988	No ironstone.
SLRB 001-7				nsi				1992	
GRRC 001				nsi				1997	No ironstone.
GRRC 002	126	129	3	nsi	0.16		PE2	1997	

NOTES:

a:anomalous; nsi: no significant intersection; na: not assayed; EOH: end of hole

PM: Perseverance Mine; PMW: Perseverance Mine West; PES: Perseverance Extended South;

PE1: Perseverance Extended No 1 Pod; PE2: Perseverance Extended No 2 Pod

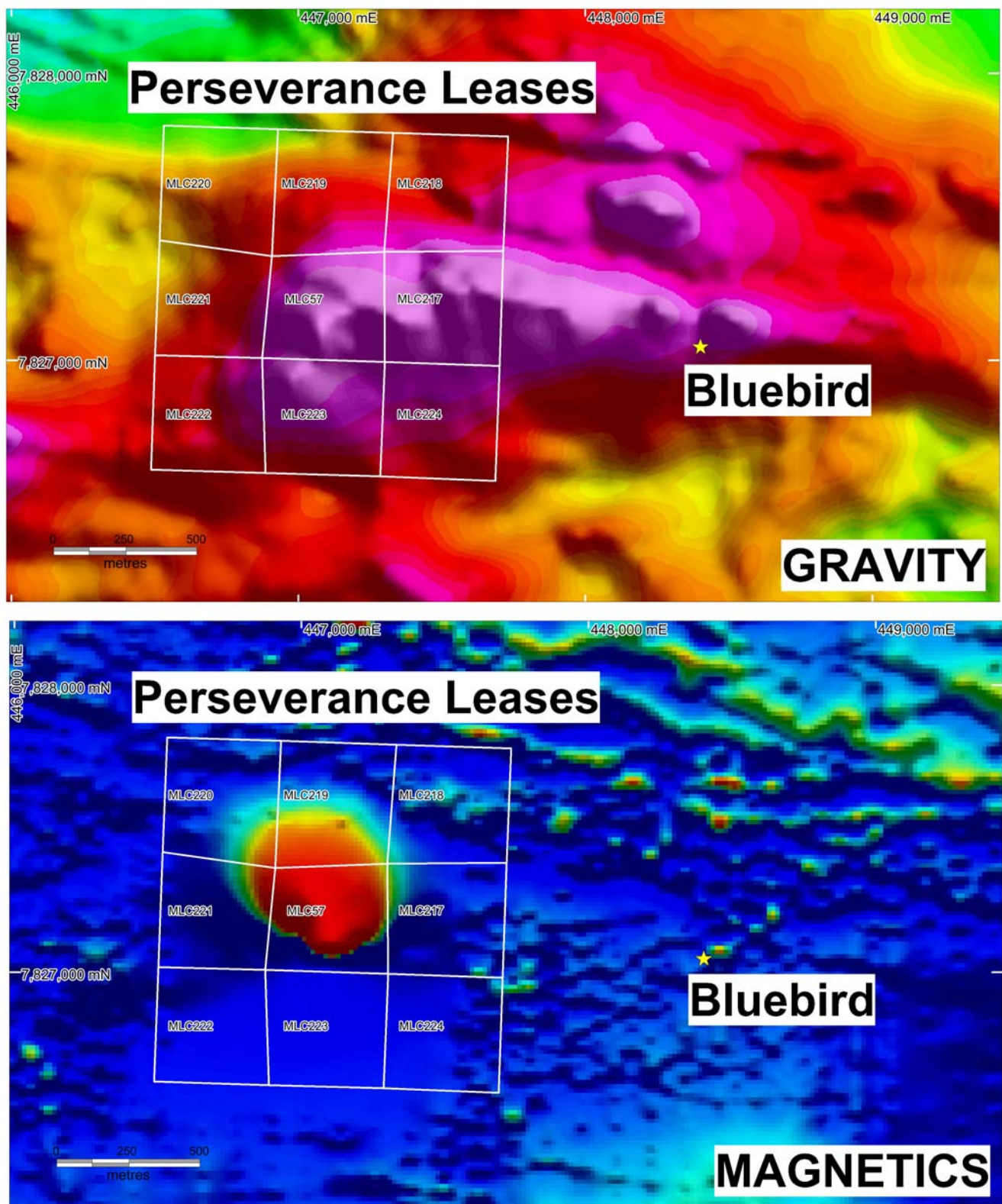


Figure 10. Perseverance gravity and magnetic images