MARKET RELEASE
28th June 2016

Flag Ship Crown Ridge EL1968
3D Magnetic Survey Modelling Results

❖ **Independently Modelled 3D Magnetic Results indicate a strong correlation with previous highly anomalous geochemical sampling results**

❖ **3D Model indicates extensive, shallow drill targets within the Crown Ridge Project and extending past known project limits**

❖ **Consultant Geophysicist identifies similarities to Porgera & recommends extensive magnetic aerial based surveys to map the full extent of the Crown Ridge Magnetic anomaly**

❖ **Further Recommendations for an additional Magnetic Survey at Sak Creek, EL1966**

The Board of Gold Mountain Limited, (ASX:GMN) is pleased to announce the recently completed three dimensional (3D) modelling of previously completed Magnetic Survey results conducted at the Flag Ship Crown Ridge gold project, EL1968.

Synopsis of 3D Modelling Results

- The ground magnetic survey was conducted as a trial in order to determine the efficacy and applicability of the technique for determining a lode similar to the Porgera Mine 75 kilometres to the west.

- The software incorporates the magnetic intensity along with the topography to create a 3D body of magnetic susceptibility.

- The magnetic susceptibility boundary as defined by the computed model is likely to describe igneous bodies that come very close to the surface at Crown Ridge.

- Identified the ubiquitous nature of the Gold anomalism and the tendency to align along the contacts between the high and lower susceptibilities.

- At the world class mining project Porgera, (also located in Enga Province) this technique has been used successfully to delineate igneous intrusives (Diorite).

- The results fit well with the existing geochemistry conducted earlier and the two data sets together will be of considerable assistance in planning a drill program.

Matthew Morgan (Director – Exploration) said:

"The only way to describe the 3D magnetic survey modelling results is outstanding!
It is almost incomprehensible how well the previously completed and highly anomalous geochemical sampling results at Crown Ridge correlate with the 3D modelled Magnetic Survey results. The initial Magnetic survey trial at Crown Ridge has proven to be very successful, identifying multiple shallow drill targets.

The Company now plans to fast track an extensive helicopter based aerial magnetic survey to capture the full extent of the Crown Ridge Magnetic anomaly, as well as a maiden survey over the Sak Creek project, EL1966.

If you consider that alluvial gold has been consistently produced from within the Timun River downstream from Crown Ridge for over 80 years, and now a large, shallow magnetic anomaly has been identified within the head waters with similar characteristics to Porgera magnetics, you could imagine the potential hard rock source may soon be identified. It is even harder to believe that in the 21st Century such a project has never been drilled, what an opportunity for GMN shareholders!"
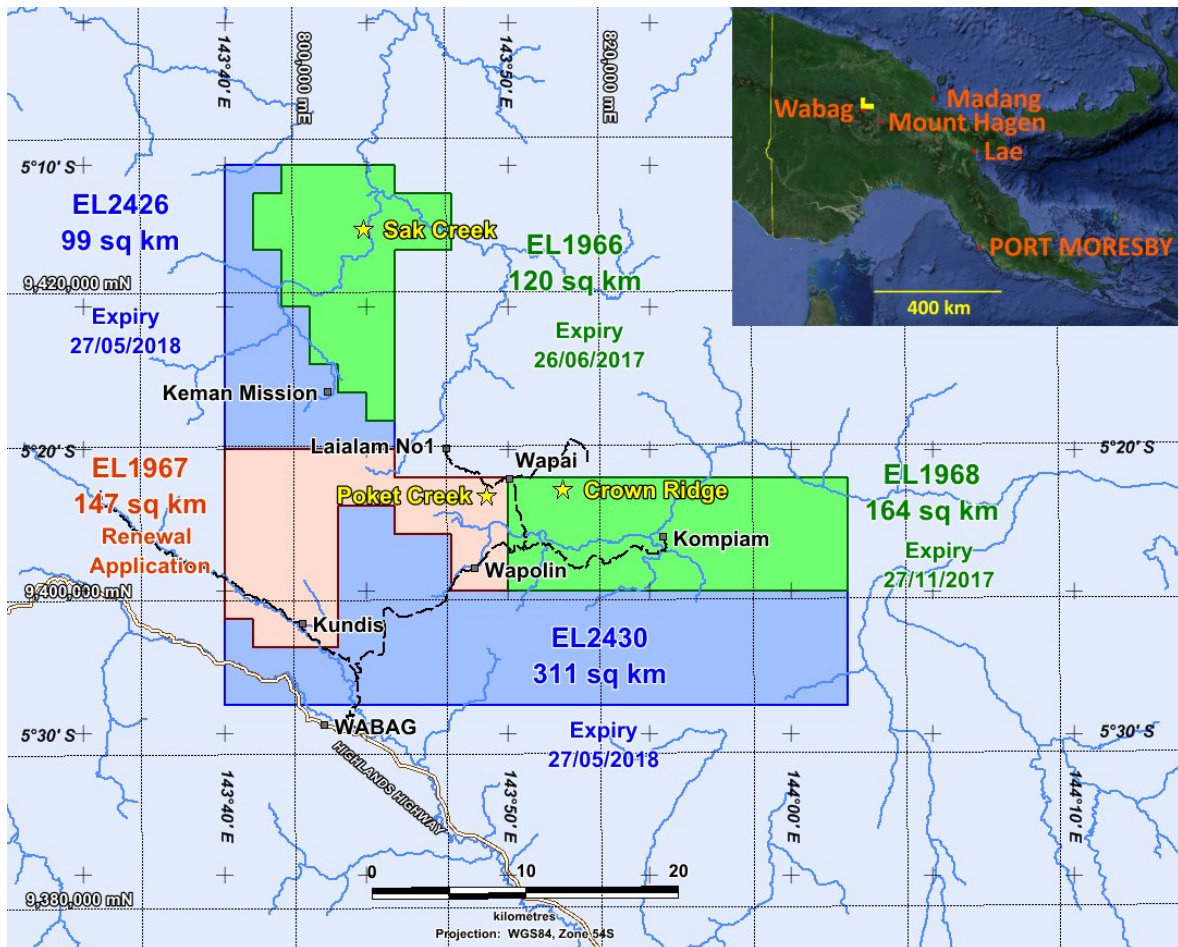
Gold Mountain tenement suite, Enga Province, PNG Highlands

The independent report "*Geophysical Inversion Modelling EL 1968, Crown Ridge, New Guinea Highlands*" completed by Jim Allender, from Allender Exploration Pty Ltd is attached below.

Statements contained in this report relating to exploration results and potential is based on information compiled by Jim Allender, who is a member of the Australian Institute of Geoscientists (AIG). Jim is a consultant geophysicist and has sufficient relevant experience in relation to the mineralisation styles being reported on to qualify as a Competent Person as defined in the Australian Code for Reporting of Identified Mineral Resources and Ore Reserves (JORC Code). Jim Allender consents to the use of this information in this report in the form and context in which it appears.

For information please see our website **www.goldmountainltd.com.au** or contact

Matt Morgan	**Tony Teng**	**Shareholder & Media Enquiries**
Director – Explorations	**Director**	**BlueSky Shareholder Services**
0427 518 077	**0414 300 044**	**John Rawicki: 0433 725 443**
		Joyce Ji: 0401 625 933 (中文)

Geophysical Inversion Modelling EL 1968, Crown Ridge, New Guinea Highlands.

Contents

1 Abstract

The ground magnetic survey was conducted as a trial in order to determine the efficacy and applicability of the technique for determining a lode similar to the Porgera Mine 75 kilometres to the west. The results have been encouraging but more work is recommended.

The results fit well with the existing geochemistry conducted earlier and the two data sets together will be of considerable assistance in planning a drill program.

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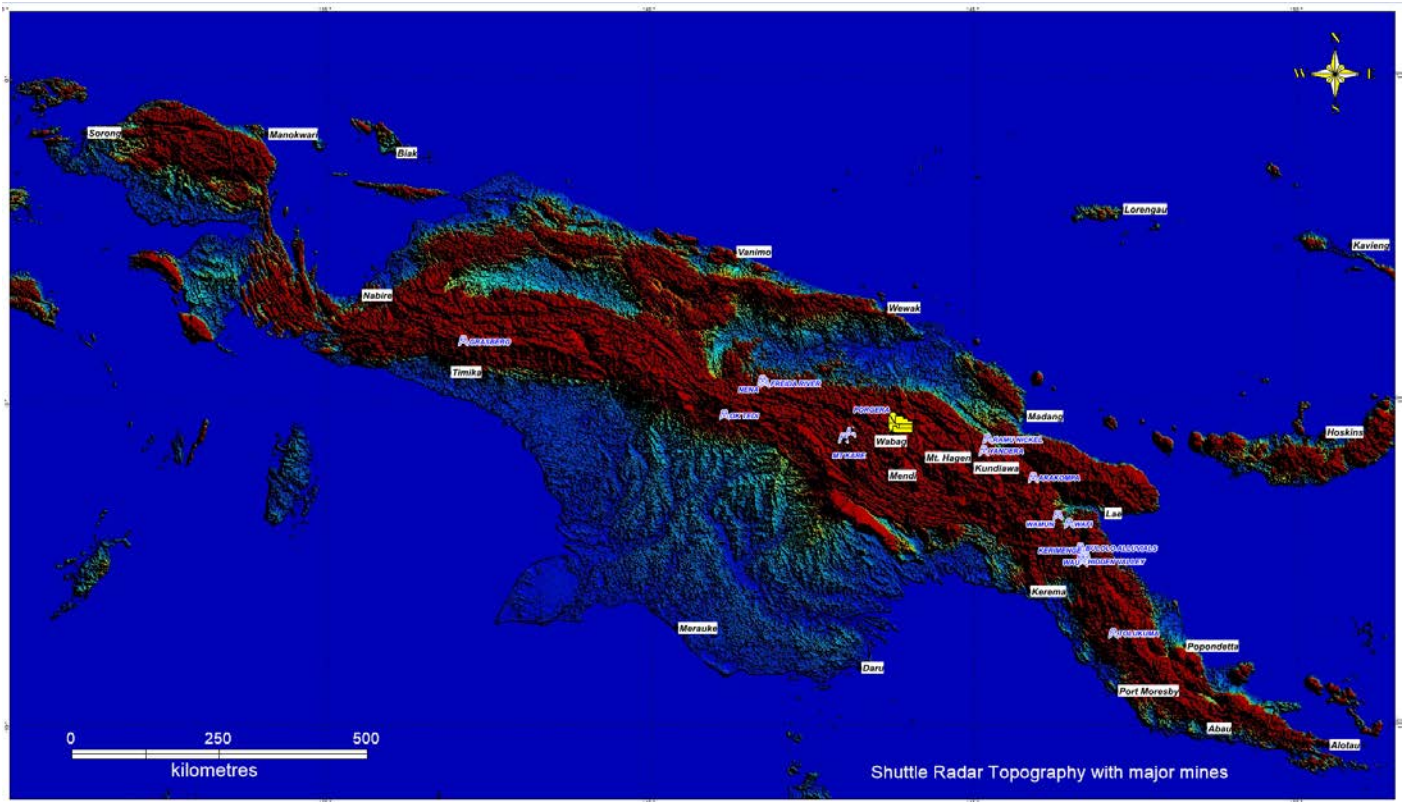
Figure 1. Location map

2 List of figures

Figure 2 Location map showing ground mag survey location and 3D proposed Heli-mag areas

Figure 3 PNG Mineral Resources Authority (MRA) conducting ground magnetic survey

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3   Data Sources

Several data sets were made available by Gold Mountain (GMN) and the PNG Mineral Resources Authority (MRA) directly. In addition, satellite data was obtained from the Global Land Cover Facility at the University of Maryland. Four separate geochemical data sets were provi9ded by GMN. These were;

- Soil geochemistry
- Stream sediment geochemistry
- Trench derived geochemistry
- Rock chip geochemistry of detrital boulders

Only the first two of these data sets were used in the project and are included in the images below. In addition, tables of the assays for the two data sets are provided later in the report.

In addition, both regional as well as local ground data were provided by the MRA.
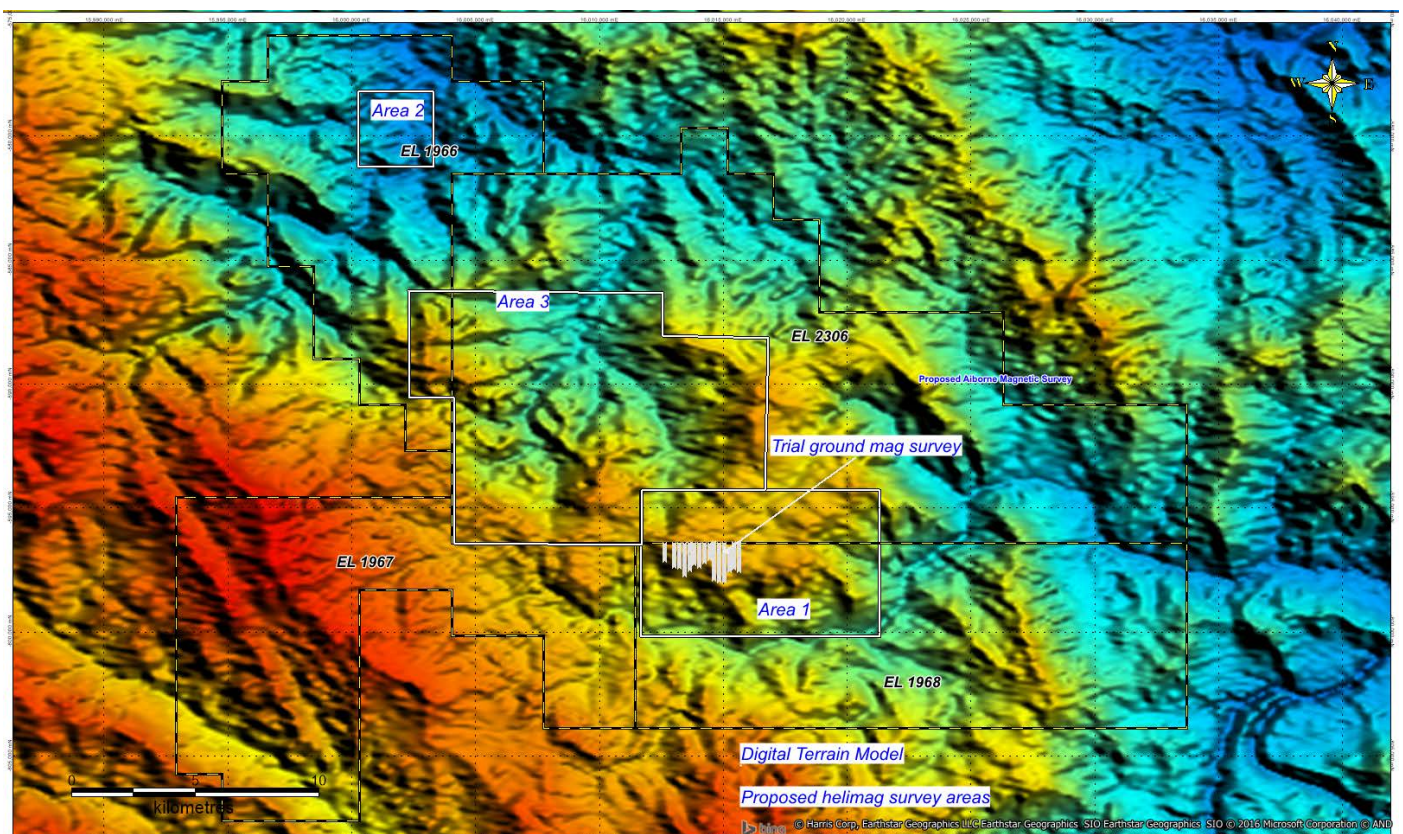
Figure 4 Regional Digital Terrain Model

A data set was provided by MRA. This included raw GPS data, raw magnetometer data as well as gridded data sets. The diurnal corrections made by MRA made use of base stations in Guam and Longreach, Queensland for various parts of the survey. Once corrected the Total magnetic intensity (TMI) data were gridded and back interpolated onto a fresh grid of straight lines. Figure 8 shows the original tracks and recording lines as well as the subsequent presentation grid. The raw data has not been recalculated and the provided grids were accepted as a reliable data set. An ASCII data set was also provided by MRA based on the new lines. This was gridded and used in the project.

A decision was taken to use a satellite elevation data set in the modelling along with the provided TMI ASCII data gridded.

The gridded satellite data along with the TMI grid formed the input to Scientific Computing 3D Modelling software package.
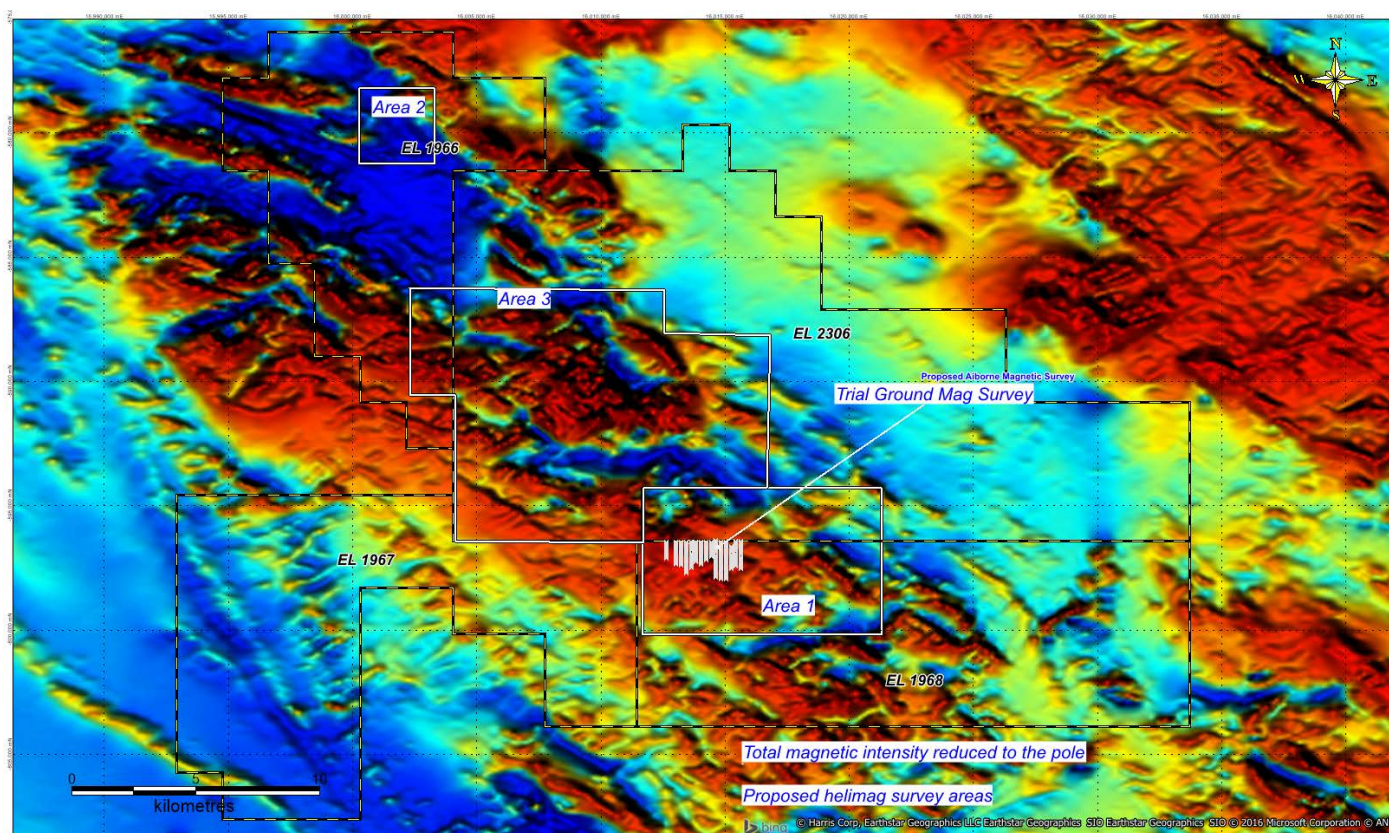
Figure 5 Regional total magnetic intensity reduced to the pole
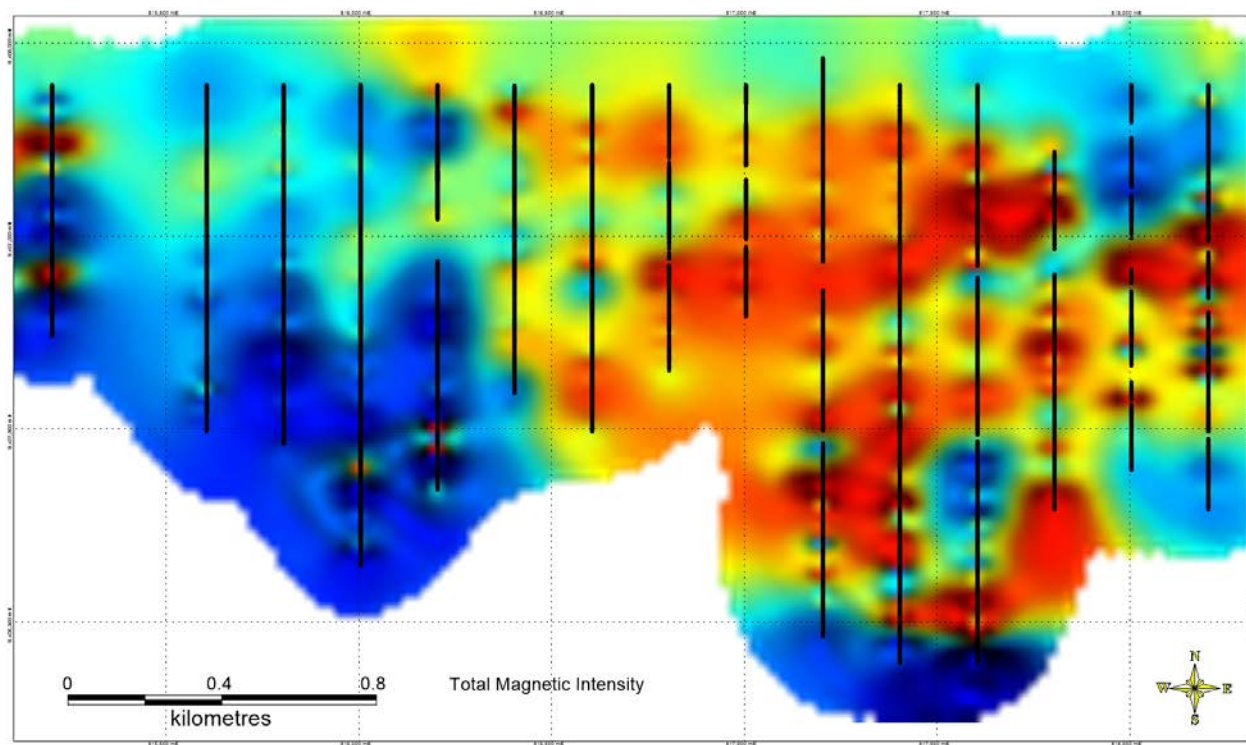
Figure 6 Total magnetic intensity data gridded with survey lines as provided by MRA
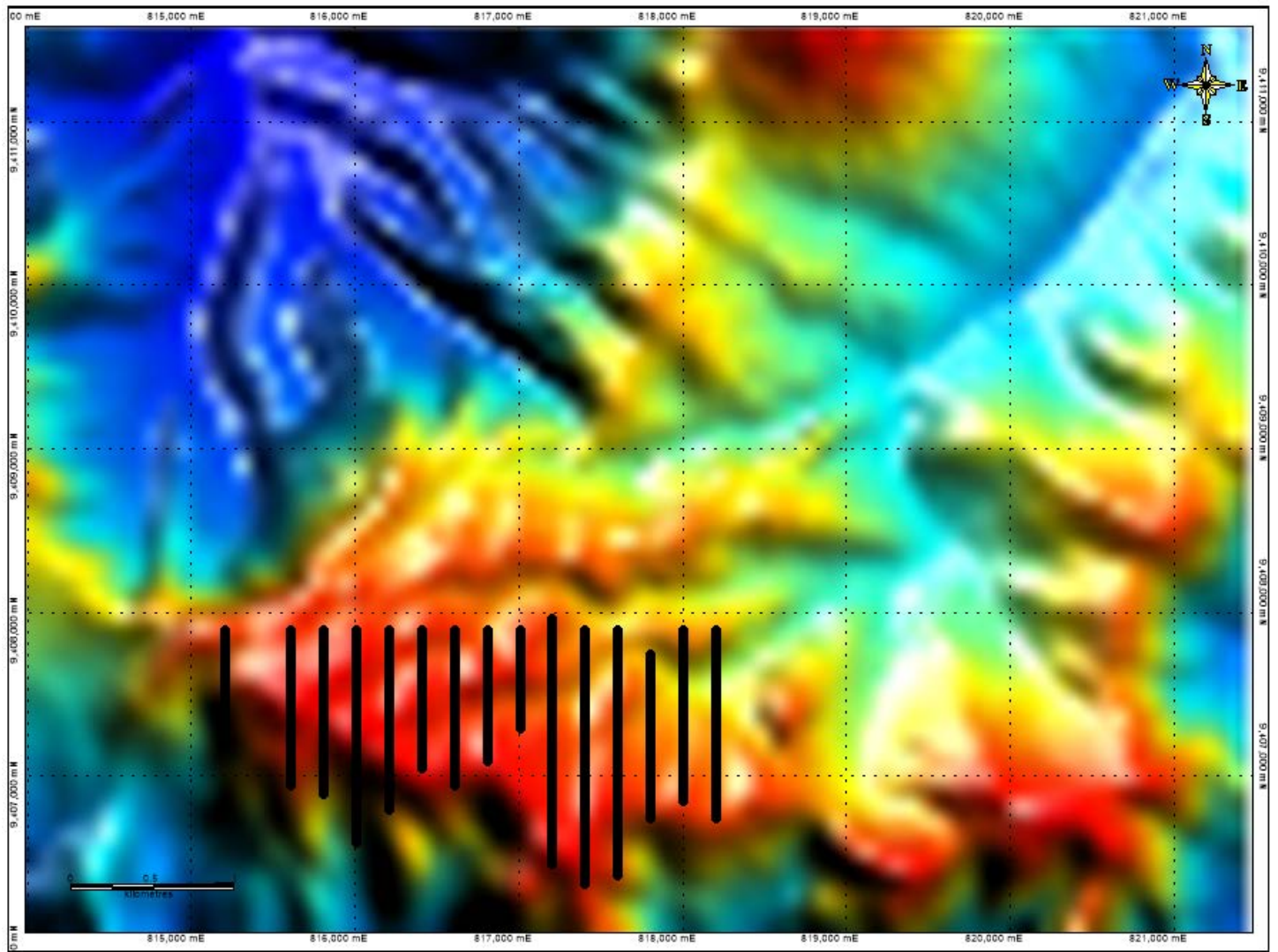
Figure 7 Satellite based elevations with survey lines as provided by MRA
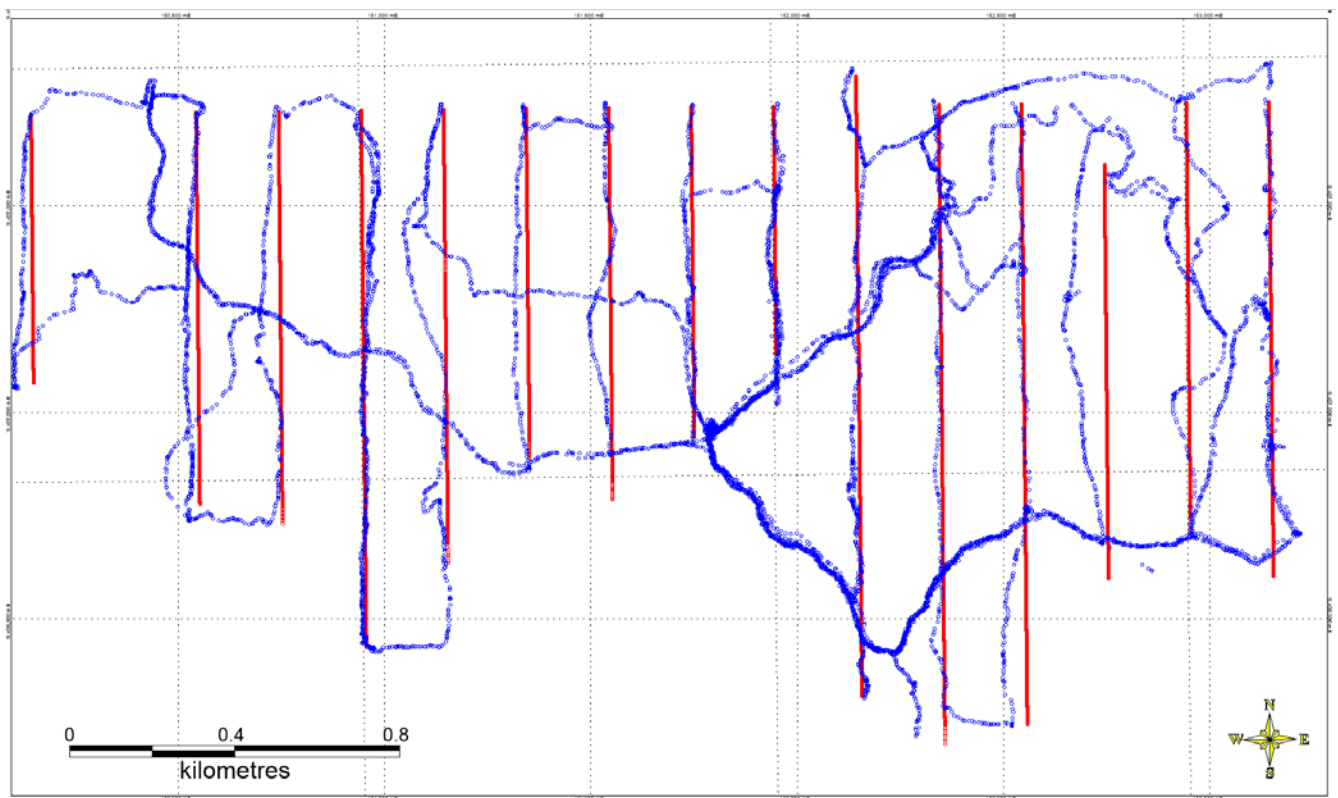
Figure 8 Location map showing original survey tracks (blue) and subsequent resampled lines (red)

4 Technique

The trial ground magnetic survey was conducted as a trial in order to determine the efficacy and applicability of the 3D modelling technique. The results have been encouraging and more work is recommended.

The figures below show various aspects of the resulting model. The software incorporates the magnetic intensity along with the topography to create a 3D body of magnetic susceptibility.

At the world class mining project Porgera, (also located in Enga Province) this technique has been used successfully to delineate ingneous intrusives (Diorite). A very good picture of the geometry of the intrusives has resulted (see Reference 1).

In the diagrams below the soil geochemistry locations are shown with the large red symbols indicative of higher grades. Because the image is in 3D with perspective the size of the red symbols varies with the vantage point (larger when closer). As a result, no legend has been appended but the values are listed at the end of this report
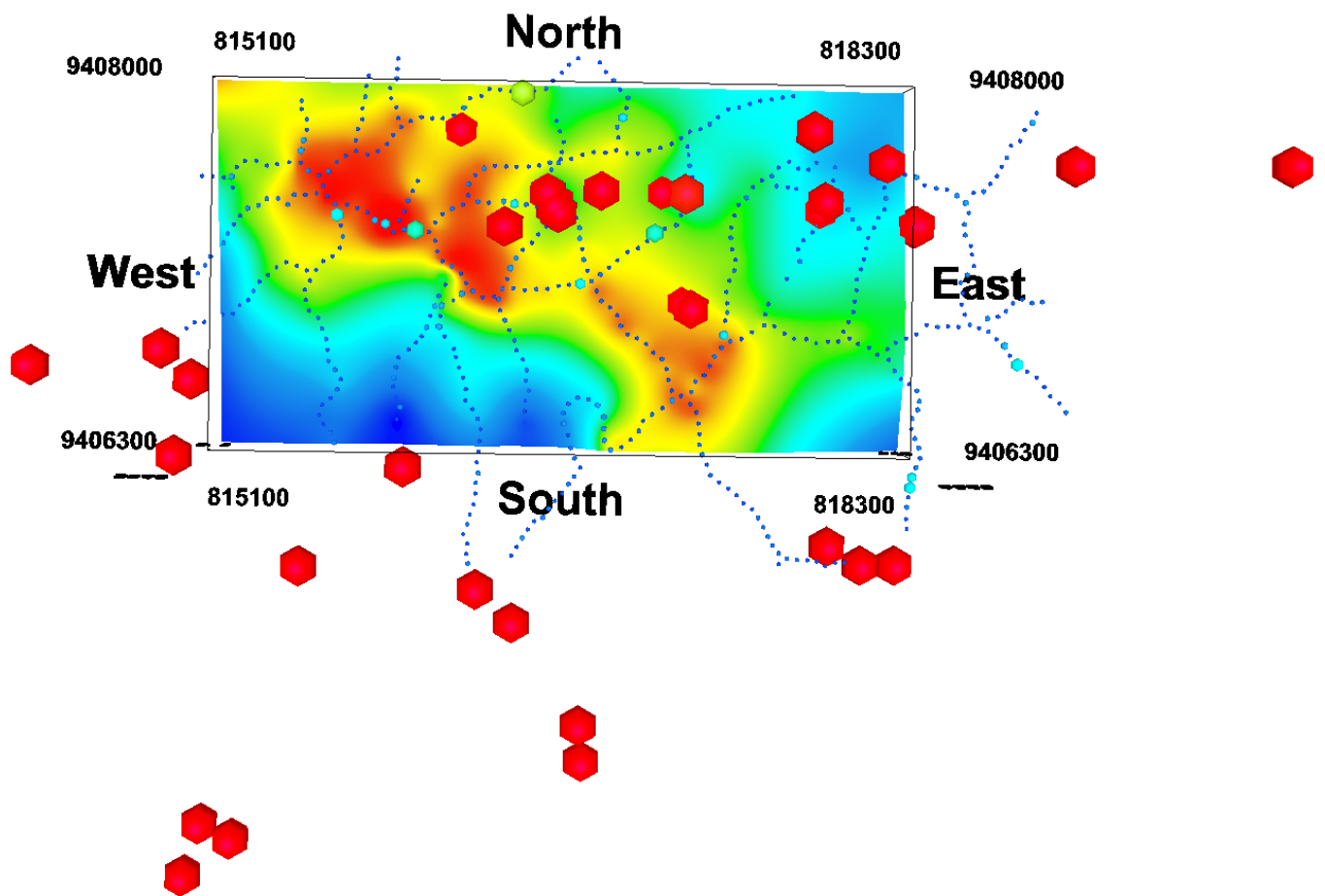
Figure 9 Vertical view (top down / plan view) of topographic image with soil and stream geochemistry
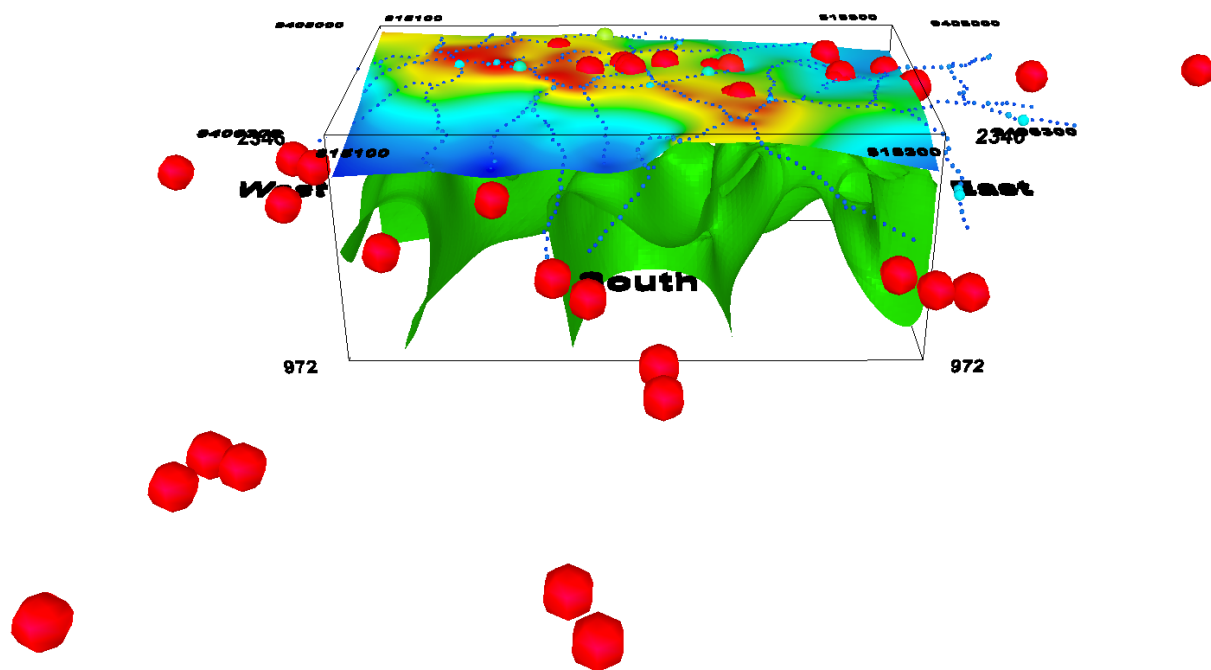
Figure 10 View from south of topographic image and 3 inversion model with soil and stream geochemistry
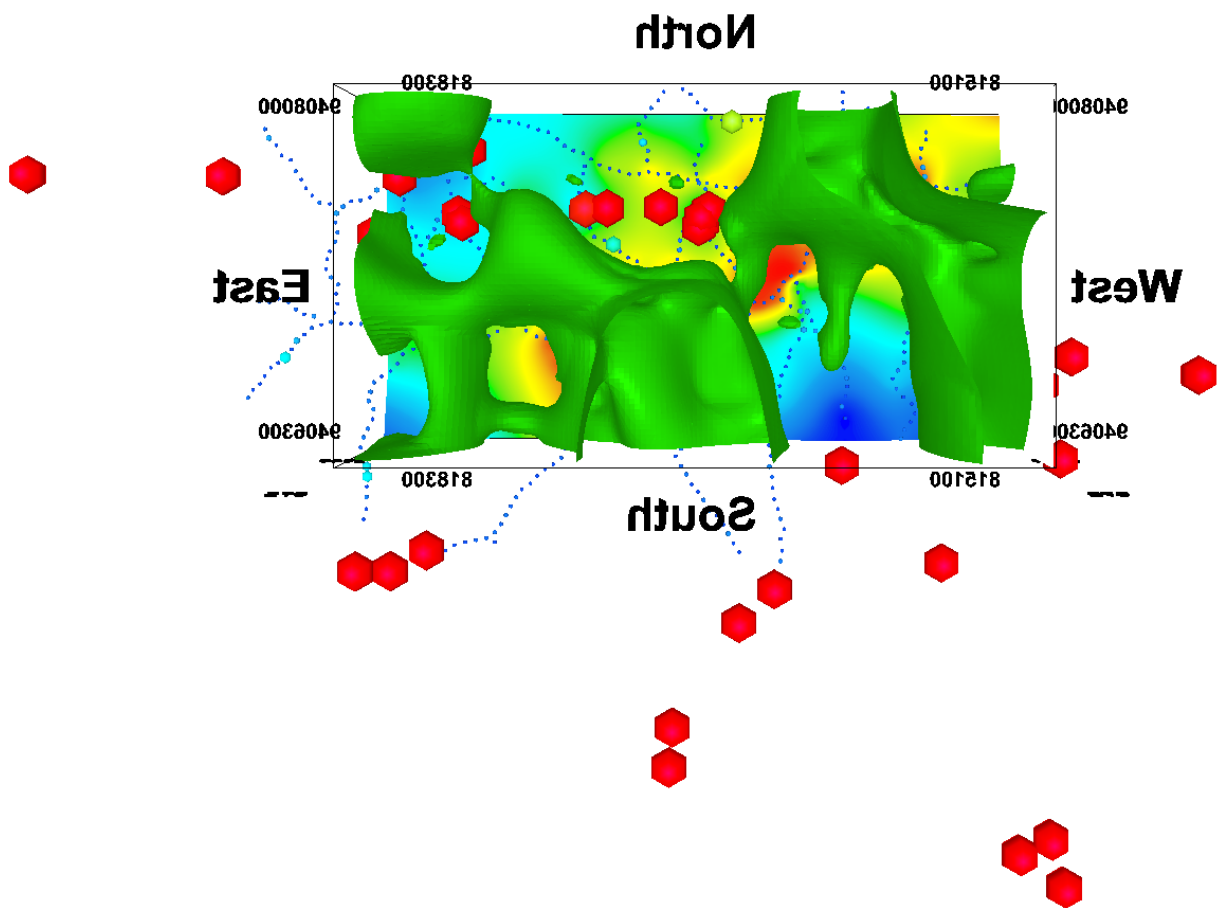
Figure 11 View from bottom of topographic image and 3 inversion model with soil and stream geochemistry

1.
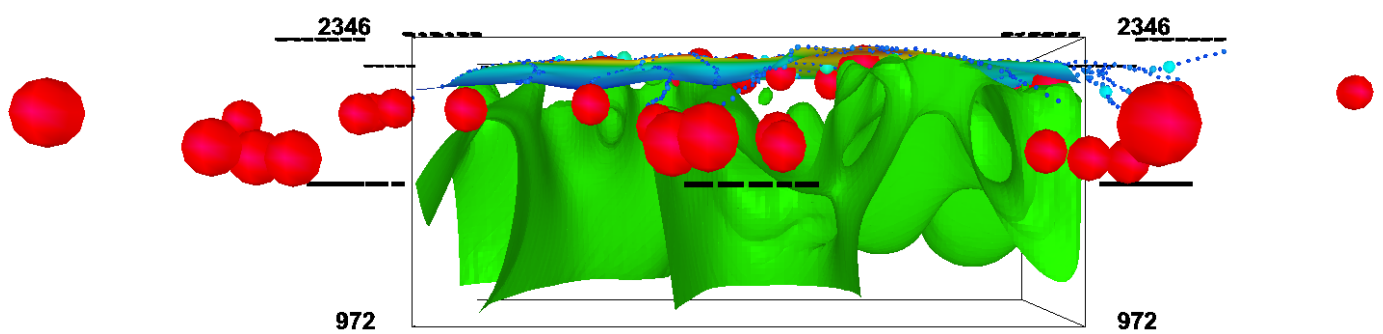
Figure 12 View from south of topographic image and 3 inversion model with soil and stream geochemistry
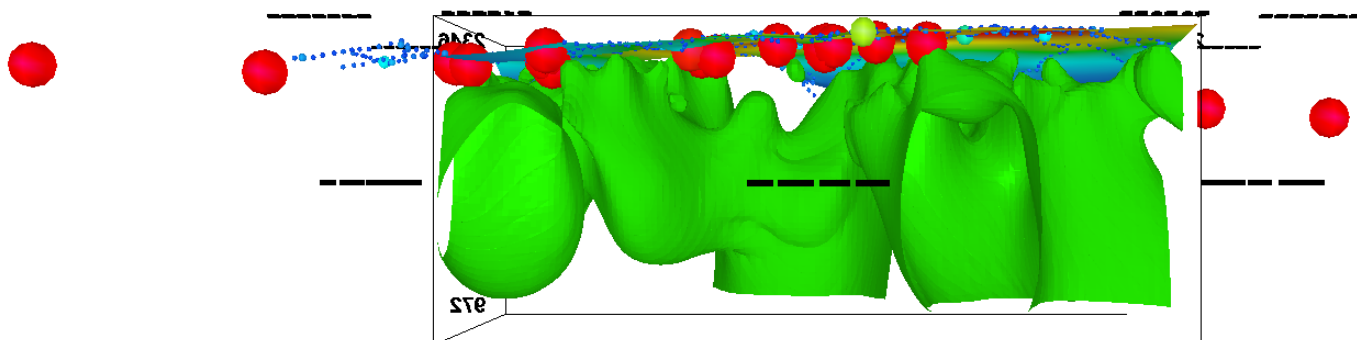
Figure 13 View from north of topographic image and 3 inversion model with soil and stream geochemistry
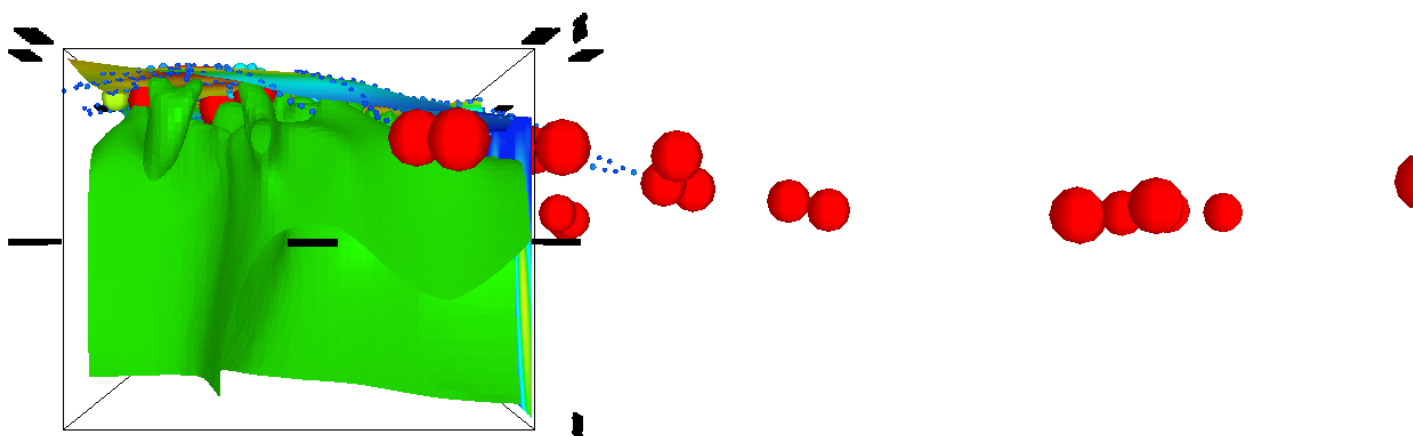
Figure 14 View from west of topographic image and 3 inversion model with soil and stream geochemistry
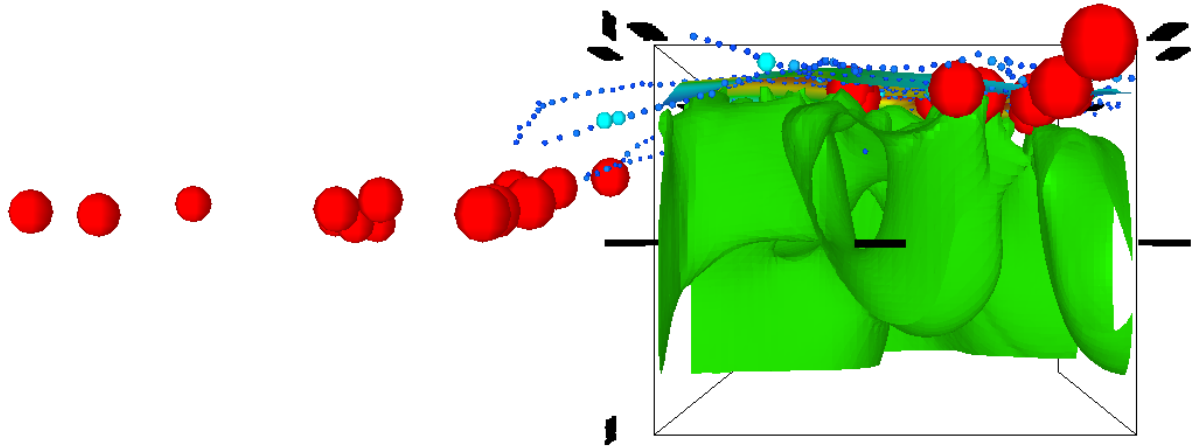
Figure 15 View from east of topographic image and 3 inversion model with soil and stream geochemistry

5 Results

An opportunity has arisen where new technology, (namely the potential methods inversion software) creates a significant opportunity to participate in a new world class gold exploration environment.

Firstly, the magnetic susceptibility boundary as defined by the computed model is likely to describe igneous bodies that come very close to the surface.

Secondly the horizontal sections shown in figures 20-24 are especially encouraging because of the confluence of the up reach of some of the modelled potentially igneous limbs. The geochemistry in these images is the soil geochemistry only and is observed to be anomalous with the surface assaying in places along the contacts between the suspected igneous intrusions and the surrounding volcanics and sediments. This is very similar to the situation at Porgera as described in Reference 1. ***"The most important use of the inversions has been to map the intrusives at depth, where contact geometries are important when looking for high grade mineralisation at Porgera"***

It is extraordinary that to our knowledge no one has ever drilled a hole in the highly prospective area!

There appears to be little previous wok outside of artisanal mining and some limited prospecting. This has caught our attention and I now recommend a further helicopter surveys over at least 3 areas as shown on the images above.

The three areas are shown on figures 2, 4 and 5. Area 1 encompasses the area of this study but substantially extends it. Area 2 covers a site described elsewhere by GMN at Sak Creek. Area 3 is designed to cover visual surface and magnetic ring structures shown on these images. These anomalies are very large.

This work is subject to GMN board approval and quotes are being sought for the work.
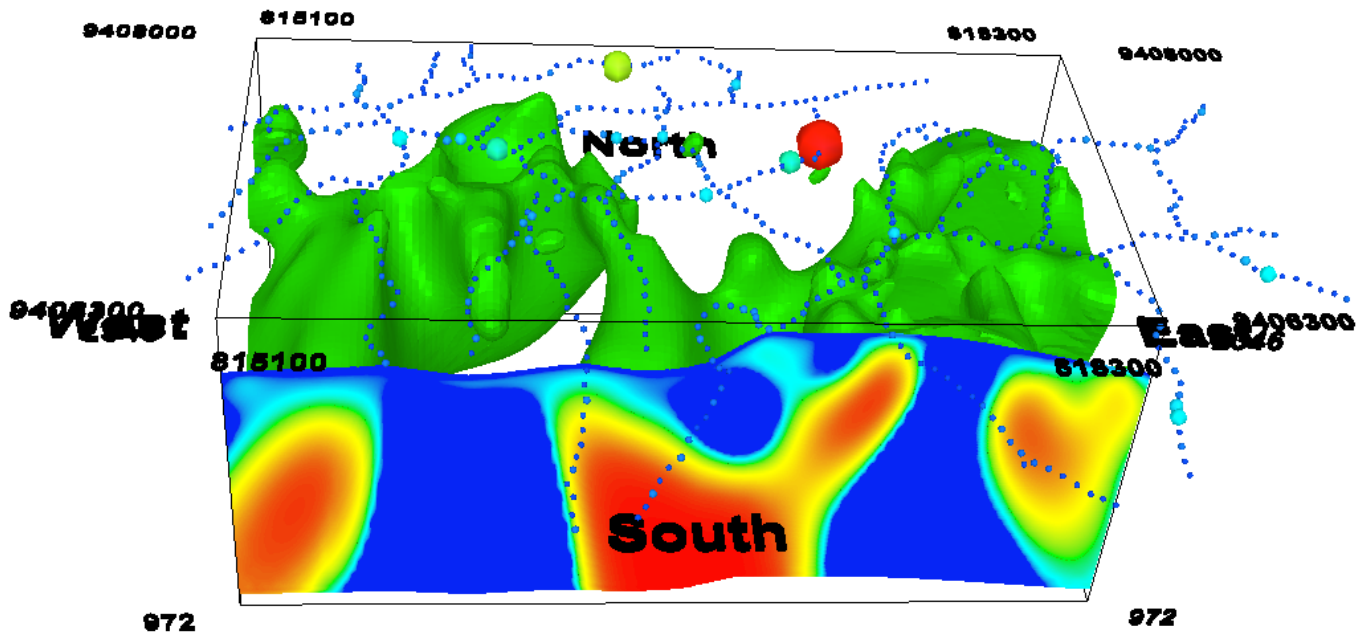
Figure 16 View from south of 3D inversion model with vertical cross section and soil geochemistry

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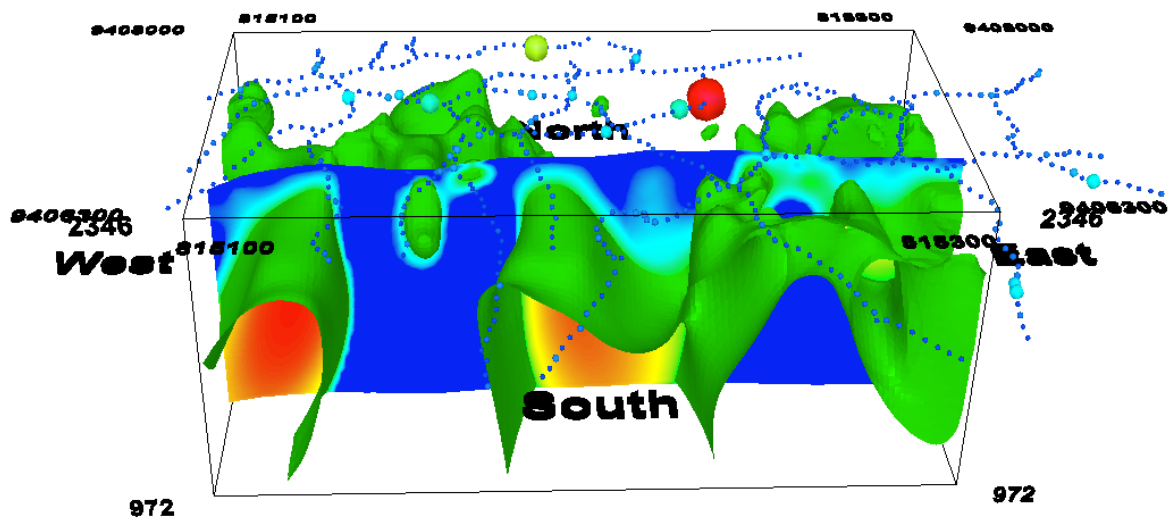
Figur 17 View from south of 3D inversion model with vertical cross section and soil geochemistry
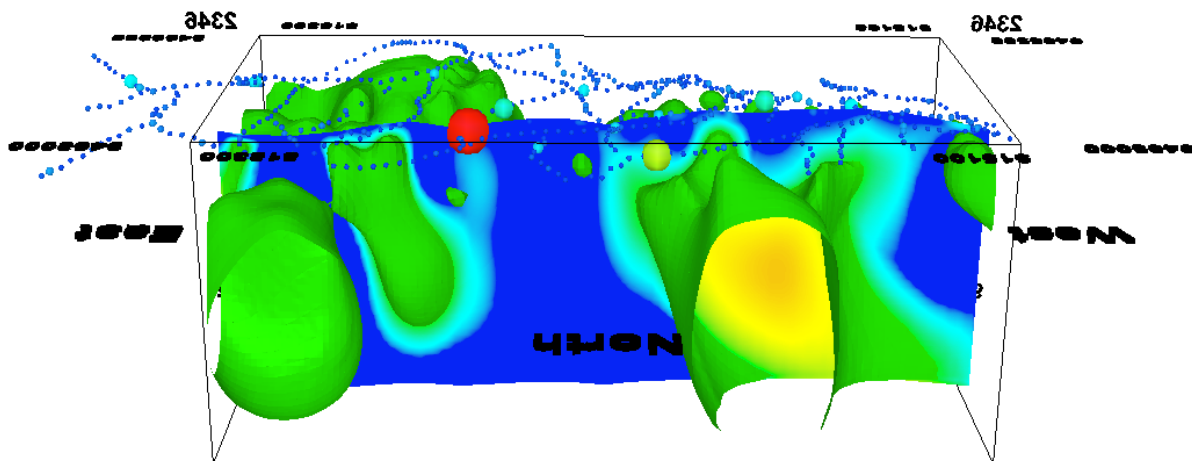
Figure 18 View from north of 3D inversion model with vertical cross section and soil geochemistry
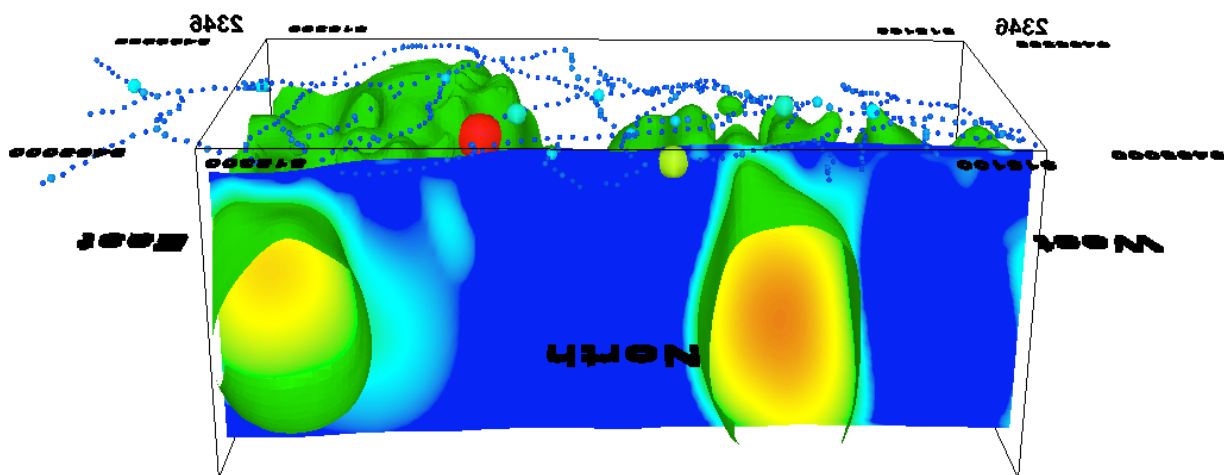
Figure 19 View from north of 3D inversion model with vertical cross section and soil geochemistry
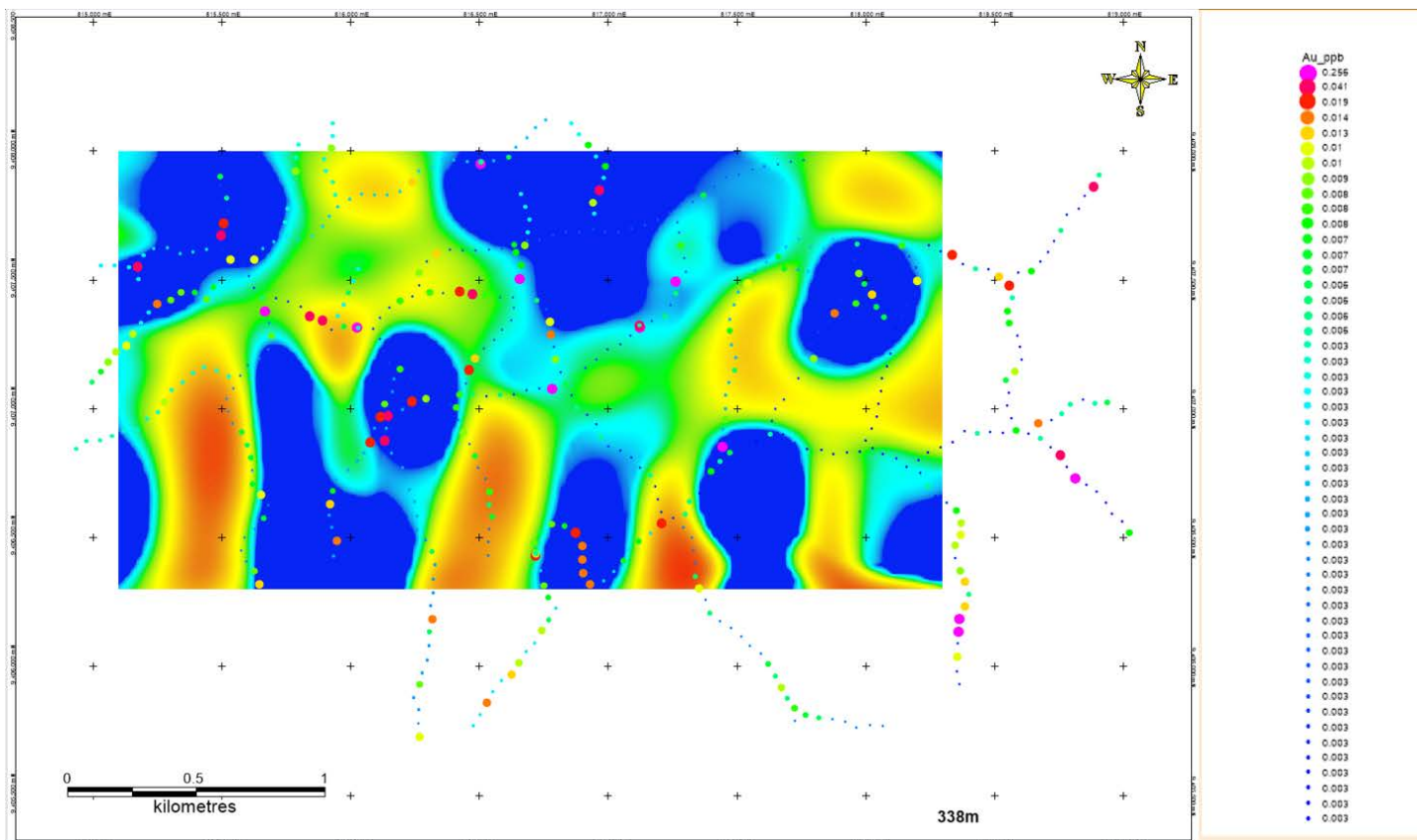
Figure 20 Plan view of horizontal slice with soil geochemistry at a depth of 338 metres below surface
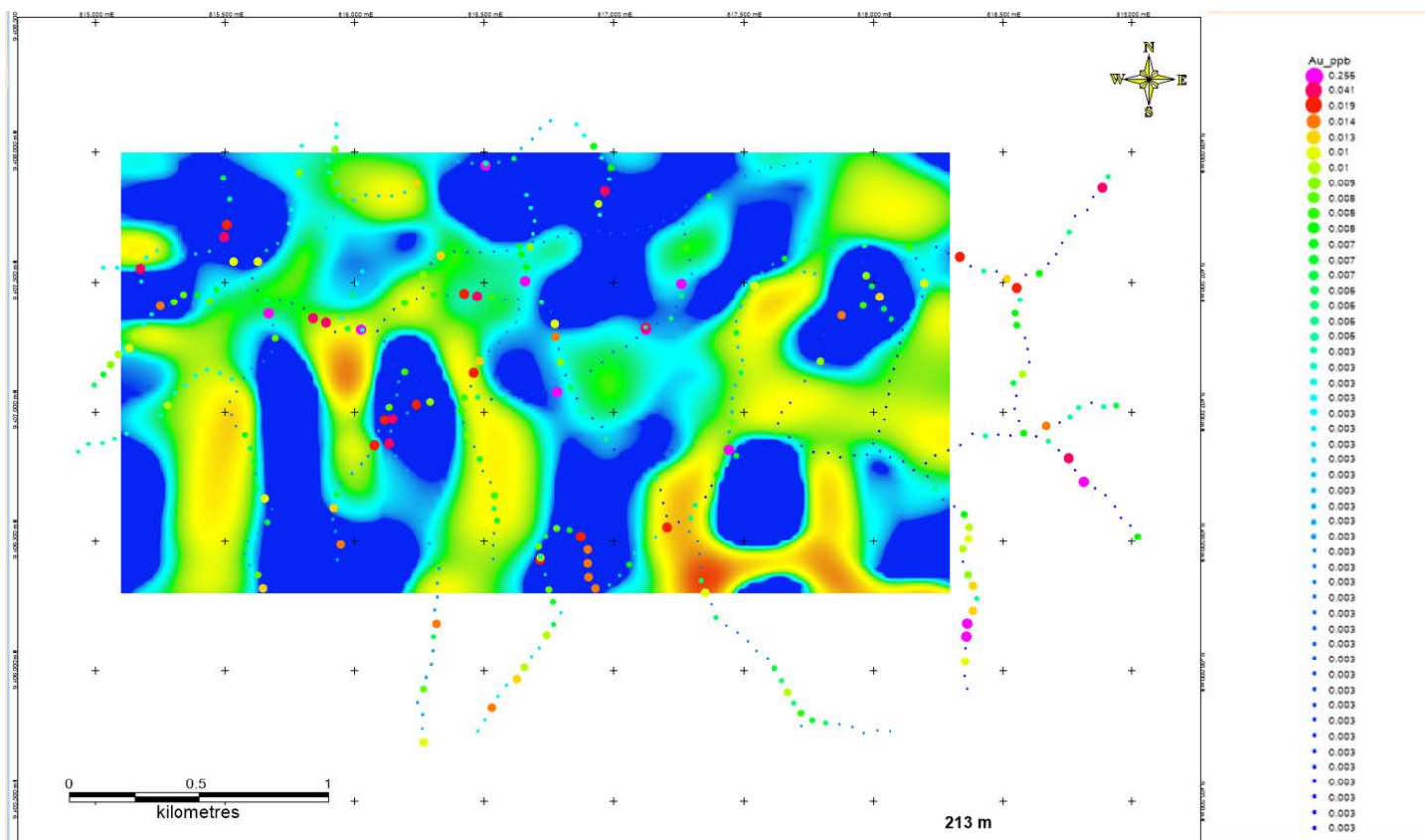
Figure 21 Plan view of horizontal slice with soil geochemistry at a depth of 213 metres below surface. Please note the ubiquitous nature of the Gold anomalism and the tendency to align along the contacts between the high and lower susceptibilities.

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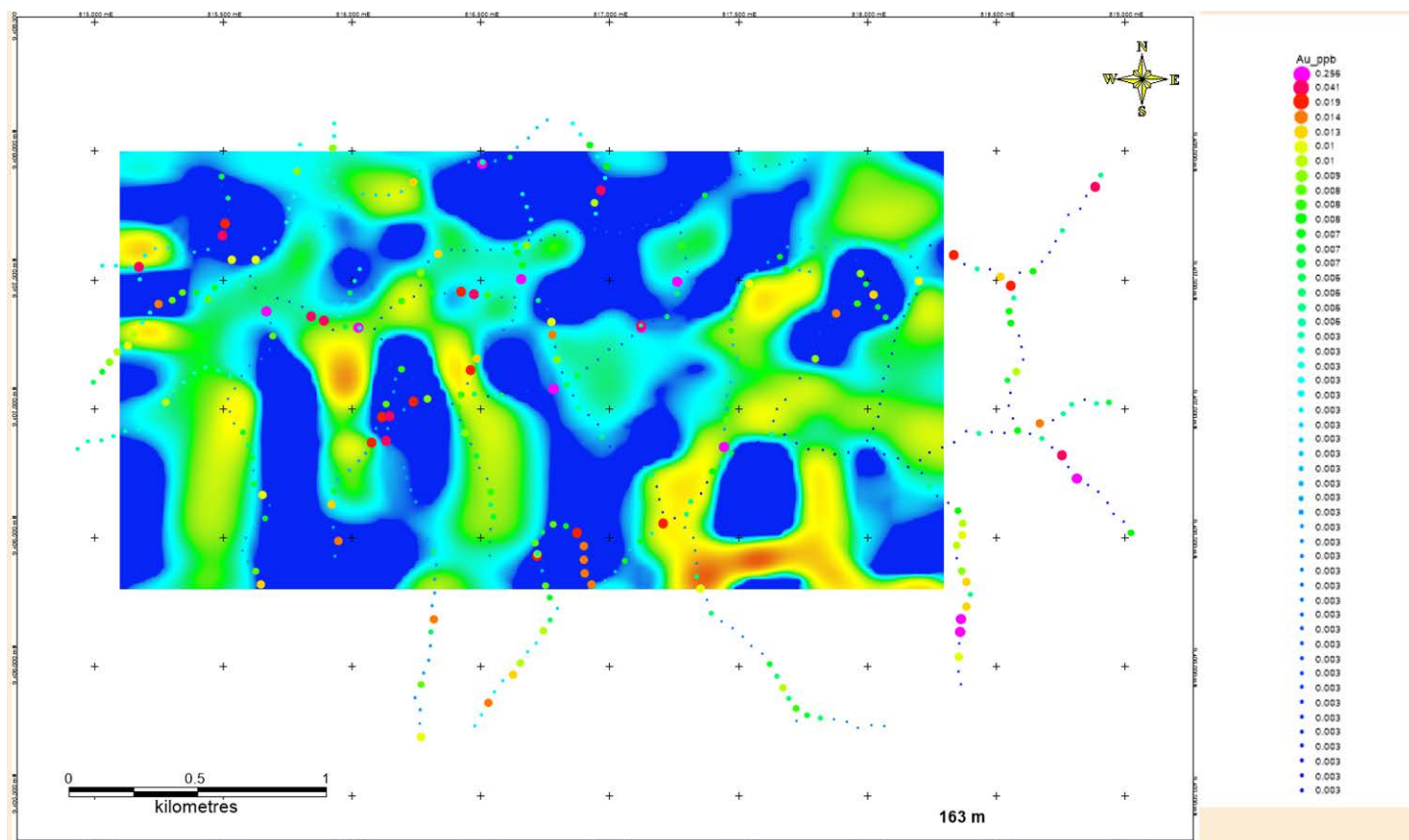
Figure 22 Plan view of horizontal slice with soil geochemistry at a depth of 163 metres below surface
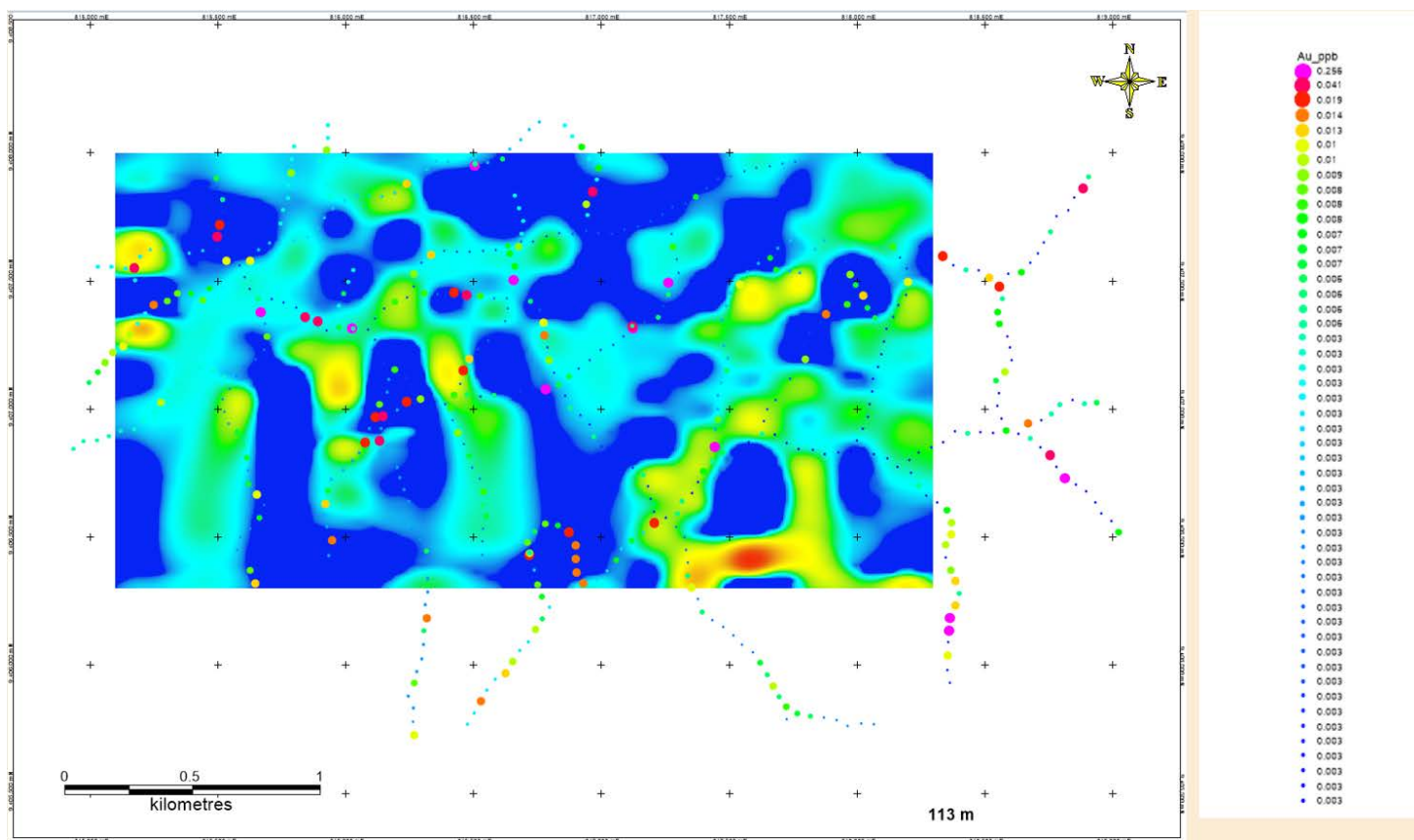
Figure 23 Plan view of horizontal slice with soil geochemistry at a depth of 113 metres below surface

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Figure 24 Plan view of horizontal slice with soil geochemistry at a depth of 63 metres below surface

Please not the shallow targets that the modelling describes. The technique allows for optimal drill hole siting.
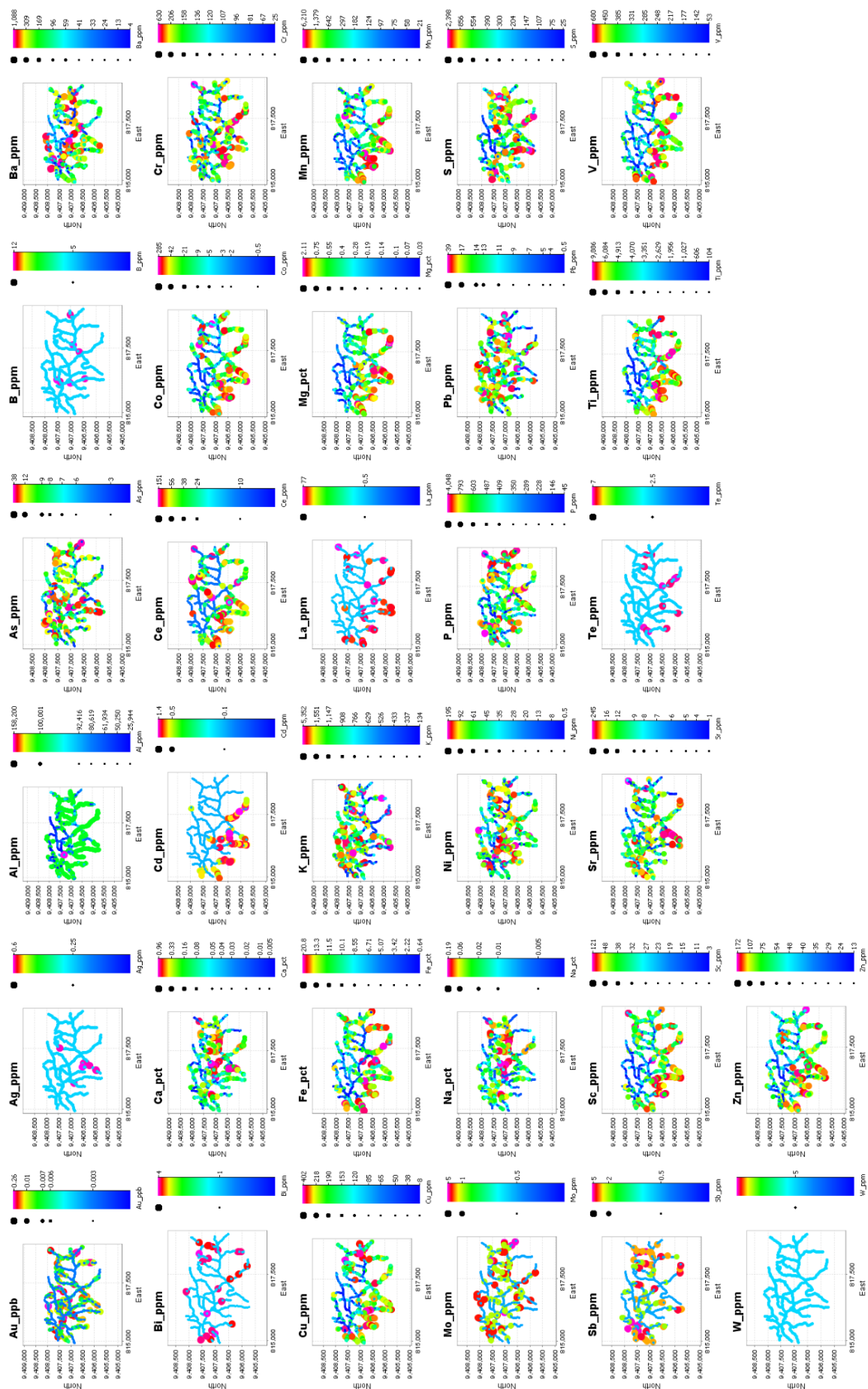
Figure 25 Plan view of soil geochemistry assays by element

Sample_ID	East_UTM	North_UTM	Ele	Sampler	Au (ppb)	Pt	Ag	Al	As	B	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Te	Ti	V	W	Zn
11455	816828	9404741	1792	AT	7	17	0.25	63510	2.5	5	160	1	0.64	0.1	44	46	426	144	12.8	754	0.5	1.28	1582	0.5	0.02	64	642	3	135	0.5	26	162	2.5	7664	643	5	149
11456	816811	9404926	1832	AT	4	12	0.25	77542	2.5	5	236	1	0.71	0.1	50	49	270	176	11.1	1043	0.5	1.53	1933	0.5	0.02	67	739	4	65	0.5	31	219	2.5	5654	449	5	124
11457	816481	9405432	1877	AT	12	98	0.25	55241	2.5	5	171	1	0.84	0.1	37	43	389	131	11.7	1064	0.5	1.39	1499	0.5	0.03	59	666	4	123	0.5	17	264	2.5	7265	635	5	137
11458	816305	9405595	1897	AT	294	12	0.25	54104	2.5	5	162	4	0.85	0.1	43	48	356	126	13	1336	0.5	1.27	1539	0.5	0.04	63	653	4	106	0.5	18	215	2.5	9022	737	5	154
11459	815463	9405713	1975	AT	30	12	0.25	60586	2.5	5	185	1	0.95	0.1	52	43	243	158	10.3	786	0.5	1.6	1646	0.5	0.03	54	970	2	52	0.5	22	160	2.5	5181	448	5	120
11460	815959	9406197	2021	PB	340	12	0.25	59940	2.5	5	193	2	0.62	0.1	47	50	426	141	12.8	1012	0.5	1.45	1566	0.5	0.03	80	556	3	81	0.5	28	233	2.5	7596	635	5	131
11501	816628	9407494	2257	AT	803	59	0.25	39068	2.5	5	115	1	0.27	0.1	33	16	130	52	5.96	1593	0.5	0.4	437	0.5	0.04	64	384	11	125	0.5	13	20	2.5	2636	205	5	100
11502	816660	9407429	2267	AT	1450	3	0.7	39041	2.5	5	99	1	0.36	0.1	26	16	138	47	5.52	1410	0.5	0.58	423	0.5	0.07	53	366	12	154	0.5	11	23	2.5	5050	205	5	85
11503	816433	9407336	2286	AT	3550	1	0.25	40184	5	5	125	1	0.22	0.1	34	17	136	52	5.59	1779	0.5	0.42	518	0.5	0.03	70	452	11	180	0.5	12	22	2.5	2455	188	5	97
11504	816679	9407404	2262	AT	679	1	0.25	46938	5	5	120	1	0.28	0.1	30	16	115	71	4.79	1564	0.5	0.41	306	0.5	0.03	59	546	11	126	0.5	15	26	2.5	1951	184	5	91
11505	816876	9407508	2260	AT	502	2	0.25	48237	2.5	5	136	1	0.3	0.1	37	21	128	62	6.88	1995	0.5	0.56	665	0.5	0.02	69	296	9	25	0.5	14	39	2.5	2405	254	5	148
11506	818018	9405805	1794	AT	4	14	0.25	36503	2.5	5	68	3	1.11	0.1	37	39	332	115	10.9	558	0.5	1.59	1362	0.5	0.09	53	743	2	25	0.5	13	147	2.5	5895	590	5	120
11507	818188	9405709	1762	AT	5	11	0.25	63785	2.5	5	151	3	0.77	0.1	42	43	270	141	10.4	685	0.5	1.65	1305	0.5	0.02	54	688	1	80	0.5	23	114	2.5	5596	481	5	128
11508	818358	9405709	1750	AT	14	8	0.25	48640	2.5	5	94	4	0.9	0.1	40	37	186	136	9.74	1037	0.5	1.8	1551	0.5	0.03	38	851	2	52	0.5	19	135	2.5	3891	461	5	130
11509	814174	9406655	1968	AT	4	8	0.25	54148	2.5	5	120	1	1.04	0.1	41	35	169	108	9.02	1103	0.5	1.64	1285	0.5	0.02	41	805	3	249	0.5	21	181	2.5	3110	376	5	122
11526	814963	9404402	1745	AT	5	6	0.25	49092	6	5	111	1	1.29	0.1	38	29	191	72	9.23	945	0.5	1.43	1084	0.5	0.02	33	542	6	412	0.5	19	325	2.5	2988	352	5	119
11527	814891	9404158	1776	AT	1	3	0.25	29000	2.5	5	97	1	1.36	0.1	43	25	90	35	13.1	1125	0.5	0.92	1367	0.5	0.05	17	737	7	1500	0.5	11	250	2.5	7014	529	5	181
11755	817248	9406993	2240	MH	42	6	0.25	67999	2.5	5	182	1	0.26	0.1	40	24	189	119	7.56	634	0.5	0.62	464	0.5	0.03	53	833	7	151	0.5	27	28	2.5	4472	342	5	119
11756	817292	9406967	2270	MH	2530	11	0.25	62459	2.5	5	191	1	0.35	0.1	63	48	454	164	13.2	599	0.5	0.77	1417	0.5	0.02	69	810	8	120	0.5	35	45	2.5	7319	660	5	166
11757	817919	9407469	2205	MH	8	6	0.25	59523	2.5	5	193	1	0.48	0.1	49	33	156	128	8.66	656	0.5	1.13	1672	0.5	0.02	41	725	4	139	0.5	24	51	2.5	3700	359	5	135
11758	817892	9407427	2168	MH	7	8	0.25	67703	2.5	5	181	2	0.47	0.1	47	33	161	135	9.05	1133	0.5	1.3	1243	0.5	0.03	54	812	6	126	0.5	23	56	2.5	3593	381	5	144
11759	818347	9407365	2189	MH	27	8	0.25	79700	2.5	5	332	1	0.42	0.1	57	48	238	164	12.5	1204	0.5	1.41	2727	0.5	0.02	64	1076	5	178	0.5	32	49	2.5	5064	538	5	219
11760	818334	9407364	2186	MH	3	487	0.25	51344	2.5	5	132	1	0.47	0.1	29	28	188	98	8.49	839	0.5	0.75	787	0.5	0.07	36	546	7	93	0.5	19	29	2.5	5132	393	5	142
11761	814803	9406744	2008	MH	9	12	0.25	63055	2.5	5	164	4	0.73	0.1	55	57	364	144	17.2	1179	0.5	1.1	1599	0.5	0.04	62	740	7	101	0.5	23	171	2.5	10001	1066	5	210
11762	814951	9406600	2022	MH	189	10	0.25	59478	2.5	5	186	1	0.73	0.1	47	42	283	127	10.9	1201	0.5	1.02	1463	0.5	0.03	53	783	3	156	0.5	21	252	2.5	6712	571	5	141
11764	814864	9406234	1978	MH	39	21	0.25	61885	2.5	5	145	4	0.68	0.1	42	43	429	115	11.9	674	0.5	1.4	1579	0.5	0.02	68	636	3	75	0.5	30	95	2.5	7705	600	5	130
11770	815115	9404328	1741	MH	2	3	0.25	34845	2.5	5	114	1	0.64	0.1	34	21	69	42	8.99	1060	0.5	0.93	970	0.5	0.03	22	547	5	1193	0.5	12	155	2.5	3854	357	5	139
11771	817650	9402531	1793	MH	7	56	0.25	41526	2.5	5	101	1	0.8	0.1	44	25	138	43	14	1236	0.5	1.15	1434	1	0.04	25	710	8	672	0.5	16	145	2.5	8927	656	5	214
11772	816586	9403313	1785	MH	43	5	0.25	69556	9	5	128	1	1.19	0.1	43	20	147	51	8.9	1340	0.5	1.1	819	2	0.02	24	501	6	2934	0.5	23	315	2.5	4643	305	5	117
11773	816473	9403566	1773	MH	0.5	4	0.25	50824	2.5	5	142	1	0.62	0.1	28	25	95	48	11.5	1603	0.5	1.11	1322	0.5	0.03	26	635	8	282	0.5	16	114	2.5	5520	522	5	185
11774	814711	9403332	1855	MH	0.5	2	0.25	22035	2.5	5	91	1	0.57	0.1	47	27	52	31	17.4	943	0.5	0.63	1741	2	0.06	15	757	8	503	0.5	8	79	2.5	9528	718	5	230
124321B	816667	9407453	2238		2940	1	0.25	32700	2.5	5	100	1	0.86		20	16	169	32	6.03	2466	0.5	0.75	512	0.5	0.11	51	200	14	25	0.5	10	37	2.5	6373	229	5	94
124322B	817151	9407500	2211		2560	1	0.25	30300	2.5	5	84	1	0.83		10	15	170	36	6.55	2123	0.5	0.75	547	0.5	0.1	46	200	14	127	0.5	10	34	2.5	7639	252	5	91
124323B	817864	9407798	2215		2680	7	0.25	38300	2.5	5	102	3	0.82		10	20	273	46	8.71	2079	0.5	0.88	656	0.5	0.11	56	250	14	74	0.5	13	37	2.5	9181	397	5	114
124324B	818212	9407656	2161		968	8	0.25	46600	2.5	5	125	1	0.62		20	27	277	73	10.1	2070	0.5	1.04	933	0.5	0.06	61	410	12	25	0.5	16	39	2.5	6185	460	5	133
124325B	819110	9407660	2131		15	13	0.25	47700	2.5	5	121	1	0.5		30	45	475	99	19	1208	0.5	1.15	1710	0.5	0.04	63	560	9	25	0.5	23	48	2.5	4295	920	5	210
124331B	816230	9407773	2244		5430	1	2.3	30000	2.5	5	89	1	0.47		10	15	149	33	5.54	1426	0.5	0.51	458	0.5	0.07	49	210	15	208	0.5	11	21	2.5	4900	229	5	83
124336B	820120	9407671	2163		9	12	0.25	69300	2.5	5	208	2	0.45		40	51	389	133	20	817	0.5	1.29	1703	0.5	0.03	70	530	9	25	3	32	46	2.5	3003	895	5	210

Figure 26 Stream Sediment assays provided by GMN

Sample_ID	East	North	Elev	Au	Ag	Al	As	B	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Te	Ti	V	W	Zn
11001	818586	9406915	2264	0.008	0.25	100001	6	5	52	1	0.04	0.1	10	4	108	251	4.69	728	0.5	0.14	69	0.5	0.01	41	204	14	379	0.5	25	7	5	2443	235	5	62
11002	818534	9406904	2262	0.003	0.25	88330	6	5	8	1	0.29	0.1	10	2	66	50	7.56	504	0.5	0.4	139	0.5	0.06	4	422	9	1154	0.5	21	6	2.5	4108	285	5	31
11003	818434	9406903	2277	0.006	0.25	100001	12	5	509	3	0.02	0.1	10	10	122	154	10.9	672	0.5	0.1	297	0.5	0.005	110	995	12	179	3	44	7	2.5	7331	356	5	64
11004	818339	9406867	2264	0.003	0.25	90098	5	5	14	1	0.26	0.1	10	2	56	54	3.82	402	0.5	0.32	118	0.5	0.05	5	581	12	858	3	28	6	2.5	3695	212	5	26
11005	818244	9406828	2261	0.003	0.25	92511	6	5	8	1	0.36	0.1	10	3	66	41	3.39	476	0.5	0.5	126	1	0.07	7	495	4	545	0.5	17	7	2.5	2340	117	5	35
11006	818161	9406772	2270	0.003	0.25	97085	3	5	11	1	0.3	0.1	10	2	72	52	2.05	427	0.5	0.34	113	0.5	0.06	4	588	12	727	0.5	26	8	2.5	3316	155	5	26
11007	818069	9406820	2272	0.003	0.25	99169	7	5	10	1	0.12	0.1	23	2	31	112	8.64	432	0.5	0.14	97	2	0.02	0.5	666	18	1093	0.5	30	7	2.5	6194	504	5	35
11008	817978	9406830	2276	0.003	0.25	100001	8	5	10	1	0.46	0.1	10	3	109	57	2.9	537	0.5	0.6	163	0.5	0.09	10	443	7	1270	0.5	25	9	2.5	3631	156	5	35
11009	817875	9406821	2272	0.003	0.25	100001	3	5	397	1	0.05	0.1	10	2	121	192	6.69	713	0.5	0.11	45	0.5	0.005	101	215	14	239	0.5	20	18	2.5	5415	331	5	44
11010	817772	9406840	2277	0.003	0.25	100001	10	5	6	1	0.25	0.1	10	0.5	120	53	7.45	375	0.5	0.3	121	0.5	0.05	3	269	8	1394	0.5	42	6	2.5	3607	256	5	23
11011	817680	9406896	2279	0.003	0.25	100001	8	5	12	1	0.34	0.1	10	3	127	74	3.58	472	0.5	0.49	210	2	0.07	9	222	26	517	3	23	8	2.5	3845	227	5	37
11012	817577	9406868	2288	0.003	0.25	81946	6	5	10	1	0.52	0.1	10	4	66	36	3.46	503	0.5	0.61	173	0.5	0.1	9	384	3	632	0.5	14	10	2.5	2871	128	5	35
11013	817475	9406826	2316	0.007	0.25	51557	8	5	37	1	0.01	0.1	10	0.5	169	52	7.21	1539	0.5	0.08	108	0.5	0.01	31	440	11	83	0.5	16	5	2.5	621	197	5	34
11014	817403	9406756	2314	0.008	0.25	70951	3	5	50	1	0.005	0.1	10	0.5	124	50	4.24	2417	0.5	0.09	121	0.5	0.02	65	585	11	55	0.5	44	6	2.5	777	245	5	40
11015	817356	9406899	2320	0.003	0.25	98553	11	11	362	1	0.02	0.1	10	4	111	122	11.9	1277	0.5	0.19	76	0.5	0.01	110	717	11	265	0.5	34	4	2.5	5430	284	5	43
11016	818634	9406899	2250	0.003	0.25	64826	3	5	24	1	0.04	0.1	10	6	143	128	13.1	2695	0.5	0.34	291	0.5	0.005	9	651	3	187	0.5	30	8	2.5	1809	395	5	37
11017	818681	9406883	2234	0.006	0.25	64832	3	5	24	1	0.02	0.1	10	2	93	75	5.72	543	0.5	0.26	79	0.5	0.005	11	111	5	81	0.5	19	4	2.5	2265	372	5	32
11018	818718	9406849	2234	0.003	0.25	79505	3	5	30	1	0.01	0.1	41	22	118	171	10.4	925	0.5	0.22	658	1	0.005	11	351	7	218	0.5	26	4	2.5	877	357	5	46
11019	818758	9406818	2231	0.027	0.25	100001	5	5	714	1	0.03	0.1	10	0.5	246	301	4.72	372	0.5	0.04	23	0.5	0.005	133	625	9	131	0.5	33	8	2.5	4122	331	5	28
11020	818782	9406773	2229	0.003	0.25	58510	3	5	25	1	0.05	0.1	73	36	95	125	10.7	519	0.5	0.38	1194	0.5	0.005	14	485	2	85	0.5	33	9	2.5	1551	290	5	44
11021	818817	9406731	2237	0.063	0.25	74064	19	5	59	1	0.01	0.1	36	72	108	192	11.1	836	0.5	0.13	1827	3	0.005	22	959	3	295	0.5	26	2	2.5	104	341	5	39
11022	818858	9406702	2251	0.003	0.25	93842	3	5	79	1	0.04	0.1	10	5	147	134	9.97	221	0.5	0.26	272	0.5	0.005	39	641	0.5	375	3	43	3	2.5	2450	464	5	70
11023	818899	9406676	2263	0.003	0.25	77398	6	5	66	1	0.005	0.1	32	56	206	183	12.4	274	0.5	0.27	1641	0.5	0.005	21	1076	2	245	0.5	42	4	2.5	1876	420	5	62
11024	818933	9406633	2271	0.003	0.25	48290	8	5	55	1	0.04	0.1	30	33	115	150	11.4	725	0.5	0.1	813	0.5	0.005	12	990	4	165	0.5	30	3	2.5	1465	377	5	36
11025	818959	9406591	2280	0.003	0.25	82737	27	5	35	1	0.02	0.1	10	4	110	143	13.6	405	0.5	0.13	68	3	0.005	18	587	13	270	0.5	25	8	2.5	2425	498	5	38
11026	818998	9406559	2288	0.003	0.25	79945	3	5	25	1	0.05	0.1	10	6	51	89	2.15	745	0.5	0.22	51	0.5	0.005	23	88	2	59	0.5	13	6	2.5	741	106	5	49
11027	819027	9406518	2297	0.008	0.25	92416	3	5	113	1	0.01	0.1	34	36	221	197	15.5	219	0.5	0.4	1404	0.5	0.005	43	1695	3	528	0.5	57	3	2.5	7287	602	5	170
11028	818567	9406432	2249	0.003	0.25	100001	3	5	7	1	0.36	0.1	10	2	110	45	3.02	482	0.5	0.46	141	1	0.07	7	723	7	1280	3	21	8	2.5	3403	148	5	26
11029	818557	9407060	2242	0.003	0.25	100001	16	5	20	1	0.25	0.1	10	5	157	87	7.57	781	0.5	0.61	294	2	0.05	12	398	23	1507	0.5	24	7	2.5	4745	253	5	47
11030	818579	9407145	2235	0.01	0.25	100001	3	5	189	1	0.02	0.1	93	285	90	216	11.2	232	60	0.17	6210	2	0.005	41	938	3	375	5	49	61	5	2140	469	5	114
11031	818601	9407239	2234	0.003	0.25	100001	9	5	8	3	0.28	0.1	10	2	142	61	7.27	472	0.5	0.34	117	1	0.06	4	510	9	1680	0.5	36	9	2.5	4678	260	5	21
11032	818562	9407329	2252	0.008	0.25	94424	11	5	418	1	0.005	0.1	24	12	89	76	9.15	2179	0.5	0.23	269	0.5	0.02	72	468	12	153	0.5	36	4	2.5	4920	263	5	94
11033	818559	9407477	2265	0.018	0.25	61010	21	5	7	1	0.01	0.1	10	1	33	98	7.37	642	0.5	0.03	93	0.5	0.005	3	1112	0.5	175	0.5	41	3	2.5	276	221	5	22
11034	818521	9407511	2249	0.013	0.25	100001	18	5	53	1	0.005	0.1	26	38	136	171	14.1	305	0.5	0.11	1028	0.5	0.005	36	1058	5	329	5	50	6	2.5	2292	383	5	74
11035	818478	9407538	2238	0.003	0.25	84916	14	5	28	1	0.005	0.1	31	58	68	140	9.83	613	24	0.05	282	1	0.005	21	1054	3	216	0.5	38	22	2.5	486	362	5	48
11036	818429	9407543	2235	0.006	0.25	100001	11	5	337	1	0.005	0.1	10	6	101	100	10.1	1877	0.5	0.18	175	0.5	0.01	109	286	10	194	0.5	27	4	2.5	5299	355	5	51
11037	818378	9407558	2227	0.003	0.25	100001	6	5	207	1	0.05	0.1	10	2	107	168	7.94	518	0.5	0.16	74	0.5	0.01	55	179	18	390	0.5	24	8	2.5	5197	303	5	40
11038	818339	9407595	2218	0.016	0.25	81069	21	5	38	1	0.005	0.1	45	89	159	189	12	380	0.5	0.06	1690	1	0.005	28	1433	2	351	0.5	86	3	2.5	1034	426	5	46
11039	818291	9407607	2208	0.003	0.25	100001	11	5	206	4	0.005	0.1	22	5	192	397	11.6	535	0.5	0.1	182	0.5	0.005	112	231	18	371	0.5	41	2	2.5	6706	376	5	40
11040	818246	9407630	2184	0.003	0.25	83814	3	5	14	1	0.39	0.1	10	7	90	65	7.73	581	0.5	0.41	370	0.5	0.09	5	264	15	891	3	37	11	2.5	6308	323	5	32
11041	818001	9406875	2277	0.003	0.25	100001	6	5	9	1	0.61	0.1	10	3	118	49	2.94	659	0.5	0.61	186	1	0.1	8	343	10	514	0.5	33	14	2.5	4172	191	5	30
11042	818023	9406920	2272	0.003	0.25	100001	8	5	24	1	0.3	0.1	10	0.5	119	65	3.08	445	0.5	0.3	95	2	0.05	7	388	10	842	4	35	8	2.5	4372	255	5	22
11043	818046	9406966	2265	0.003	0.25	100001	6	5	19	1	0.33	0.1	10	1	106	69	6.71	570	0.5	0.4	160	0.5	0.07	9	458	24	1438	3	29	7	2.5	3762	221	5	29
11044	818052	9407016	2264	0.003	0.25	100001	7	5	10	1	0.48	0.1	10	3	101	58	5.11	680	0.5	0.56	173	0.5	0.1	8	375	11	994	3	28	10	2.5	3676	227	5	36
11045	818060	9407067	2262	0.003	0.25	99571	3	5	14	1	0.52	0.1	10	4	77	41	2.77	716	0.5	0.65	184	0.5	0.1	9	535	7	817	0.5	15	11	2.5	3125	150	5	39
11046	818063	9407116	2251	0.003	0.25	100001	8	5	33	1	0.38	0.1	10	4	80	66	3.43	760	0.5	0.58	168	1	0.08	21	509	6	658	0.5	23	9	2.5	3441	167	5	49
11047	818084	9407163	2246	0.003	0.25	100001	12	5	6	1	0.37	0.1	10	2	136	46	6.1	579	0.5	0.5	170	0.5	0.07	7	311	8	1343	4	32	7	2.5	4091	186	5	29
11048	818097	9407211	2243	0.003	0.25	100001	3	5	667	1	0.02	0.1	10	4	106	112	4.84	1665	0.5	0.11	43	0.5	0.01	112	327	8	81	0.5	31	12	5	3034	273	5	43

Figure 27 Soil assays provided by GMN, 1 of 12

Sample_ID	East	North	Elev	Au	Ag	Al	As	B	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Te	Ti	V	W	Zn
11049	818108	9407260	2231	0.003	0.25	97924	3	5	35	3	0.02	0.1	10	10	138	157	12.2	235	0.5	0.56	394	0.5	0.005	29	368	4	157	0.5	33	5	2.5	2763	416	5	89
11050	818116	9407310	2237	0.003	0.25	100001	5	5	442	1	0.04	0.1	10	2	94	213	1.96	1049	0.5	0.1	56	0.5	0.01	126	55	14	134	3	12	7	2.5	2914	177	5	39
11051	818484	9406906	2269	0.003	0.25	100001	8	5	469	1	0.02	0.1	10	0.5	159	222	2.9	402	0.5	0.05	28	0.5	0.005	96	356	19	207	3	17	13	2.5	5722	238	5	37
11052	818384	9406910	2275	0.003	0.25	100001	3	5	569	1	0.02	0.1	10	0.5	207	269	5.16	301	0.5	0.03	28	0.5	0.01	87	1100	13	153	0.5	33	7	2.5	7454	317	5	46
11053	818292	9406847	2264	0.003	0.25	99731	7	5	14	1	0.38	0.1	10	3	96	84	3.95	758	0.5	0.59	149	0.5	0.07	11	406	16	464	0.5	18	8	2.5	2683	143	5	38
11054	818205	9406797	2267	0.003	0.25	98781	7	5	13	1	0.35	0.1	10	3	74	42	2.41	526	0.5	0.49	130	0.5	0.07	8	489	4	973	0.5	14	7	2.5	2517	101	5	36
11055	818121	9406803	2267	0.003	0.25	82985	5	5	18	1	0.44	0.1	10	4	78	37	2.06	672	0.5	0.61	172	1	0.09	10	824	5	572	0.5	11	10	2.5	2587	89	5	46
11056	818027	9406845	2282	0.003	0.25	69226	3	5	10	1	0.1	0.1	10	0.5	73	37	2.18	267	0.5	0.14	74	0.5	0.02	2	221	36	863	0.5	20	4	2.5	4608	199	5	13
11057	817928	9406829	2278	0.003	0.25	99349	8	5	19	1	0.46	0.1	10	5	76	73	2.91	725	0.5	0.67	195	1	0.1	20	413	9	705	0.5	13	10	2.5	3474	146	5	55
11058	817828	9406839	2280	0.003	0.25	83371	9	5	12	1	0.58	0.1	10	4	70	26	2.13	667	0.5	0.7	180	0.5	0.12	10	325	3	539	2	10	12	2.5	2811	89	5	42
11059	817727	9406863	2284	0.003	0.25	100001	7	5	5	1	0.25	0.1	10	0.5	104	38	1.98	517	0.5	0.31	91	0.5	0.05	3	389	11	1572	0.5	27	6	2.5	3261	151	5	20
11060	817631	9406900	2295	0.006	0.25	100001	10	12	346	1	0.03	0.1	10	9	144	104	9.87	2961	0.5	0.23	149	0.5	0.03	96	331	14	285	0.5	30	7	2.5	4366	310	5	82
11061	817525	9406837	2307	0.003	0.25	99907	3	5	375	1	0.03	0.1	10	2	106	107	4.1	1532	0.5	0.14	34	0.5	0.01	108	253	10	88	0.5	19	5	2.5	4205	290	5	50
11062	817435	9406796	2319	0.006	0.25	50237	3	5	34	1	0.03	0.1	23	0.5	86	40	4.99	2138	0.5	0.1	125	0.5	0.02	23	313	6	85	0.5	16	6	2.5	351	139	5	39
11063	817380	9406712	2321	0.003	0.25	94193	3	5	145	1	0.05	0.1	56	9	59	176	11.8	264	51	0.17	321	0.5	0.005	41	793	17	168	0.5	34	22	2.5	3524	409	5	70
11064	818672	9406944	2250	0.014	0.25	100001	6	5	9	1	0.3	0.1	10	0.5	152	44	6.6	531	0.5	0.35	99	1	0.06	5	644	11	2177	0.5	38	9	2.5	4083	201	5	22
11065	818722	9406953	2244	0.003	0.25	100001	11	5	19	1	0.27	0.1	25	4	123	84	6.14	620	0.5	0.51	256	1	0.05	13	346	10	952	0.5	28	6	2.5	4030	197	5	42
11066	818762	9406979	2232	0.006	0.25	100001	6	5	419	1	0.005	0.1	10	6	139	102	9.82	1059	0.5	0.12	154	0.5	0.01	76	264	10	204	0.5	39	8	2.5	4527	294	5	72
11067	818797	9407016	2222	0.006	0.25	100001	8	10	367	1	0.02	0.1	10	3	80	111	11.1	1502	0.5	0.1	125	1	0.01	80	308	10	259	0.5	36	4	2.5	4858	341	5	49
11068	818844	9407034	2207	0.003	0.25	100001	9	5	41	1	0.13	0.1	20	0.5	158	91	4.76	412	0.5	0.27	78	1	0.03	17	549	12	842	0.5	36	5	2.5	5530	317	5	29
11069	818891	9407018	2203	0.006	0.25	100001	11	5	12	1	0.26	0.1	10	4	126	132	2.49	550	0.5	0.39	140	2	0.05	10	1187	27	632	0.5	38	9	2.5	5908	221	5	52
11070	818941	9407023	2195	0.007	0.25	100001	7	5	176	1	0.03	0.1	10	0.5	184	266	4.52	423	0.5	0.11	40	3	0.005	48	708	15	447	0.5	32	19	2.5	4292	422	5	37
11071	818551	9407008	2249	0.003	0.25	100001	9	5	277	1	0.005	0.1	10	5	104	311	13.9	818	0.5	0.1	167	2	0.005	99	302	12	403	3	19	9	2.5	3892	304	5	59
11072	818547	9407108	2243	0.007	0.25	100001	7	5	311	2	0.005	0.1	10	2	128	274	7.8	1026	0.5	0.12	40	2	0.01	99	124	17	189	0.5	18	5	2.5	4665	299	5	53
11073	818607	9407187	2239	0.003	0.25	82696	3	5	14	1	0.01	0.1	10	5	77	96	12.1	134	0.5	0.13	561	0.5	0.005	13	390	0.5	200	0.5	34	4	2.5	1716	350	5	89
11074	818590	9407280	2248	0.003	0.25	97370	9	5	383	2	0.02	0.1	10	2	76	114	9.03	1567	0.5	0.11	103	0.5	0.02	101	295	11	201	3	27	6	2.5	4527	287	5	44
11075	818554	9407377	2269	0.008	0.25	100001	6	5	292	1	0.02	0.1	10	5	81	184	12.6	822	0.5	0.11	63	0.5	0.01	59	305	10	398	4	34	7	2.5	4838	449	5	54
11076	818569	9407430	2287	0.006	0.25	100001	9	5	7	1	0.33	0.1	24	2	150	51	4.74	526	0.5	0.32	188	0.5	0.06	6	231	17	2398	0.5	25	10	2.5	4828	164	5	19
11077	818594	9407525	2267	0.003	0.25	100001	13	5	7	1	0.36	0.1	10	1	101	36	3.06	477	0.5	0.44	138	0.5	0.07	5	310	2	919	3	32	7	2.5	3432	142	5	21
11078	818645	9407531	2252	0.008	0.25	68827	3	5	31	1	0.005	0.1	10	4	305	143	12.7	769	0.5	0.04	87	0.5	0.005	31	817	0.5	221	0.5	47	3	2.5	545	322	5	29
11079	818679	9407568	2238	0.003	0.25	90710	3	5	70	1	0.06	0.1	10	4	114	181	13	704	0.5	0.12	261	0.5	0.005	34	455	7	261	0.5	33	9	2.5	2104	378	5	49
11080	818711	9407605	2234	0.003	0.25	100001	12	5	22	2	0.06	0.1	10	7	178	123	14.6	390	0.5	0.12	174	1	0.02	19	547	15	1058	3	35	6	2.5	5634	303	5	41
11081	818733	9407649	2229	0.003	0.25	91087	10	5	320	1	0.03	0.1	10	2	115	100	11.4	1481	0.5	0.15	46	0.5	0.01	88	423	10	229	0.5	38	5	2.5	4045	277	5	41
11082	818760	9407692	2219	0.006	0.25	88575	3	5	13	1	0.58	0.1	10	5	75	47	2.8	650	0.5	0.73	202	0.5	0.12	16	377	7	460	0.5	9	13	2.5	3162	110	5	53
11083	818783	9407749	2208	0.003	0.25	84742	8	5	35	1	0.02	0.1	10	6	103	124	12	284	0.5	0.21	444	0.5	0.005	19	507	1	147	0.5	39	3	2.5	1291	435	5	52
11084	818827	9407773	2197	0.003	0.25	100001	3	5	41	1	0.01	0.1	10	2	91	179	11.2	2262	0.5	0.09	74	0.5	0.005	15	288	5	371	0.5	28	3	2.5	1627	275	5	29
11085	818852	9407824	2184	0.003	0.25	82176	3	5	141	1	0.02	0.1	10	2	105	97	4.99	1044	0.5	0.16	78	0.5	0.005	68	163	9	111	0.5	23	4	2.5	1683	283	5	44
11086	818888	9407860	2181	0.021	0.25	87689	8	5	196	1	0.02	0.1	114	26	630	150	11.4	189	77	0.14	873	0.5	0.005	31	2204	5	407	0.5	77	245	2.5	2126	433	5	45
11087	818908	9407906	2176	0.006	0.25	99952	3	5	55	1	0.005	0.1	10	5	90	163	9.23	318	0.5	0.12	72	0.5	0.005	21	275	9	301	0.5	24	8	2.5	3508	436	5	51
11088	818214	9406748	2259	0.003	0.25	100001	3	5	356	1	0.12	0.1	30	14	118	129	6.35	1153	0.5	0.36	133	0.5	0.03	59	762	12	737	0.5	23	12	2.5	4056	266	5	80
11089	818242	9406697	2258	0.006	0.25	82753	3	5	29	1	0.03	0.1	40	41	126	149	10.3	377	0.5	0.59	1157	0.5	0.01	25	872	3	249	0.5	29	6	2.5	1460	316	5	69
11090	818274	9406659	2243	0.003	0.25	100001	3	5	116	1	0.02	0.1	38	17	207	192	14.8	376	0.5	0.52	554	0.5	0.005	42	289	3	506	0.5	40	9	2.5	5790	518	5	70
11091	818317	9406634	2224	0.003	0.25	100001	3	5	221	1	0.02	0.1	64	62	264	256	14.1	224	21	1.11	1479	0.5	0.005	114	611	1	754	0.5	60	3	2.5	7808	476	5	117
11092	818356	9406603	2214	0.008	0.25	100001	3	5	163	1	0.04	0.1	44	32	66	226	12.1	344	0.5	0.82	1061	0.5	0.01	20	514	1	437	0.5	42	18	2.5	5280	419	5	143
11093	818371	9406555	2206	0.01	0.25	100001	12	5	39	1	0.01	0.1	33	13	107	195	17.2	324	0.5	0.39	248	0.5	0.005	20	245	11	788	4	50	3	2.5	5187	545	5	50
11094	818373	9406511	2168	0.011	0.25	100001	3	5	48	1	0.02	0.1	10	8	80	149	14.4	604	0.5	0.49	185	0.5	0.005	15	275	6	405	3	25	6	2.5	3199	416	5	50
11095	818348	9406469	2164	0.01	0.25	100001	3	5	75	1	0.08	0.1	31	21	164	179	13.8	364	0.5	0.61	514	0.5	0.005	34	747	7	869	0.5	39	17	2.5	4173	455	5	84
11096	818349	9406419	2146	0.003	0.25	100001	8	5	117	1	0.09	0.1	23	21	116	142	10.8	605	0.5	0.7	435	0.5	0.005	33	821	5	645	0.5	29	14	2.5	3908	385	5	84

Figure 28 Soil assays provided by GMN, 2 of 12

Sample_ID	East	North	Elev	Au	Ag	Al	As	B	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Te	Ti	V	W	Zn
11097	818369	9406373	2131	0.009	0.25	86900	8	5	76	1	0.03	0.1	32	21	151	170	11.6	1153	0.5	0.65	441	0.5	0.01	32	844	2	649	0.5	30	6	2.5	2202	420	5	86
11098	818390	9406328	2120	0.011	0.25	100001	10	5	83	1	0.02	0.1	21	8	121	171	14	1641	0.5	0.2	133	0.5	0.005	8	202	9	316	0.5	31	7	2.5	3127	471	5	40
11099	818401	9406279	2105	0.006	0.25	100001	12	5	34	1	0.03	0.1	10	11	68	186	14.9	642	0.5	0.2	166	0.5	0.005	7	282	11	654	3	34	6	2.5	4418	544	5	51
11100	818387	9406232	2092	0.012	0.25	100001	8	5	66	1	0.02	0.1	30	16	136	197	15.2	222	0.5	0.32	466	0.5	0.005	21	318	7	454	0.5	39	6	2.5	5751	554	5	75
11101	818366	9406185	2084	0.046	0.25	100001	12	5	72	1	0.005	0.1	41	17	171	198	15.6	257	0.5	0.35	495	0.5	0.005	23	243	8	361	0.5	44	2	2.5	5290	528	5	78
11102	818362	9406135	2076	0.058	0.25	100001	8	5	38	3	0.005	0.1	42	36	226	225	13.7	330	0.5	0.33	754	0.5	0.005	48	467	3	310	0.5	62	2	2.5	3179	493	5	101
11103	818359	9406086	2051	0.003	0.25	52576	3	5	190	1	0.01	0.1	65	45	77	119	9.19	5352	41	0.4	1422	0.5	0.005	10	270	2	77	0.5	32	3	2.5	835	272	5	34
11104	818358	9406036	2031	0.01	0.25	100001	3	5	136	1	0.02	0.1	55	46	142	205	14.1	188	0.5	0.93	1647	0.5	0.01	63	578	0.5	207	0.5	66	6	2.5	6610	479	5	140
11105	818357	9405978	2016	0.003	0.25	64819	3	5	161	1	0.005	0.1	42	30	129	157	7.73	629	0.5	0.67	1065	0.5	0.005	22	390	1	82	0.5	36	3	2.5	588	328	5	72
11106	818366	9405928	1998	0.003	0.25	95747	9	5	69	1	0.02	0.1	31	20	117	160	15	684	0.5	0.44	553	0.5	0.01	18	805	6	758	2	31	4	2.5	4962	532	5	69
11107	817316	9406639	2308	0.006	0.25	71993	7	5	13	1	0.01	0.1	10	8	143	120	20.8	283	0.5	0.12	244	1	0.005	11	792	13	219	0.5	42	5	2.5	2553	505	5	26
11108	817299	9406591	2310	0.006	0.25	100001	3	5	295	1	0.05	0.1	10	4	114	117	5.35	1251	0.5	0.19	54	0.5	0.01	89	281	10	180	0.5	21	7	2.5	2782	291	5	56
11109	817252	9406573	2317	0.003	0.25	100001	11	5	24	1	0.38	0.1	10	3	89	87	1.99	888	0.5	0.53	157	0.5	0.08	12	436	19	649	0.5	13	9	2.5	3494	127	5	37
11110	817208	9406597	2316	0.003	0.25	98136	3	5	22	1	0.48	0.1	10	4	86	64	1.88	791	0.5	0.62	168	0.5	0.09	16	440	20	713	0.5	12	13	2.5	3231	123	5	42
11111	817193	9406645	2313	0.003	0.25	100001	6	5	1018	1	0.16	0.1	10	21	106	101	1.28	347	0.5	0.15	79	0.5	0.03	50	657	14	371	0.5	14	19	2.5	2804	115	5	138
11112	817183	9406694	2309	0.003	0.25	100001	3	5	267	1	0.02	0.1	10	3	104	140	1.8	1723	0.5	0.18	40	0.5	0.01	91	216	12	164	0.5	19	7	2.5	1944	204	5	61
11113	817163	9406740	2313	0.006	0.25	61934	3	5	25	1	0.06	0.1	10	13	25	150	11	290	0.5	0.26	535	0.5	0.005	11	479	4	211	0.5	15	8	2.5	3876	330	5	64
11114	817123	9406769	2315	0.003	0.25	100001	3	5	47	1	0.01	0.1	10	3	34	135	1.79	155	0.5	0.15	62	0.5	0.005	97	65	4	118	0.5	10	4	2.5	1255	135	5	31
11115	817090	9406808	2309	0.003	0.25	100001	11	5	138	1	0.16	0.1	10	0.5	203	139	4.63	773	0.5	0.33	104	1	0.04	63	310	13	710	4	44	6	2.5	5528	298	5	54
11116	817048	9406834	2307	0.003	0.25	100001	10	5	13	1	0.55	0.1	10	3	72	62	3.9	590	0.5	0.67	171	0.5	0.1	11	610	5	656	0.5	27	12	2.5	2676	176	5	45
11117	817002	9406851	2312	0.003	0.25	100001	11	5	558	1	0.02	0.1	10	3	149	190	5.3	310	0.5	0.04	236	0.5	0.005	95	321	17	227	0.5	31	4	2.5	4062	259	5	34
11118	816971	9406890	2317	0.006	0.25	100001	6	5	1088	3	0.03	0.1	22	6	281	232	17	355	0.5	0.07	371	0.5	0.01	74	3052	14	423	2	93	5	2.5	6804	479	5	53
11119	816954	9406937	2314	0.003	0.25	79749	3	5	13	1	0.35	0.1	10	0.5	79	34	2.76	410	0.5	0.36	141	0.5	0.08	5	271	20	561	0.5	16	13	2.5	3990	138	5	20
11120	816920	9406973	2311	0.003	0.25	93497	5	5	26	1	0.58	0.1	10	4	75	56	2.79	857	0.5	0.75	211	0.5	0.14	16	516	16	627	0.5	13	19	2.5	3129	143	5	49
11121	816880	9407002	2313	0.006	0.25	86335	3	5	19	1	0.96	0.1	10	6	88	37	3.1	895	0.5	1.08	286	0.5	0.19	16	646	3	383	0.5	15	24	2.5	2690	149	5	49
11122	816859	9407048	2317	0.003	0.25	82402	3	5	27	1	0.71	0.1	10	4	69	41	2.64	846	0.5	0.83	235	0.5	0.15	17	771	7	274	0.5	10	23	2.5	2566	102	5	50
11123	816836	9407092	2307	0.007	0.25	69756	3	5	27	1	0.02	0.1	10	0.5	114	28	3.64	1139	0.5	0.05	75	1	0.01	48	133	2	79	0.5	16	4	2.5	606	145	5	29
11124	816734	9407074	2305	0.003	0.25	100001	7	5	28	1	0.48	0.1	10	3	101	68	2.62	678	0.5	0.69	181	0.5	0.1	21	769	9	505	0.5	18	13	2.5	2961	157	5	56
11125	816634	9407054	2306	0.003	0.25	100001	6	5	450	1	0.05	0.1	10	2	211	228	2.18	2258	0.5	0.18	59	0.5	0.01	138	754	16	127	0.5	25	21	2.5	2517	227	5	49
11126	816529	9407047	2305	0.003	0.25	93881	3	5	14	1	0.49	0.1	10	3	86	41	2.36	583	0.5	0.67	195	0.5	0.11	13	606	4	501	2	11	15	2.5	2289	113	5	51
11127	816427	9407052	2320	0.008	0.25	73749	3	5	110	1	0.02	0.1	10	0.5	89	34	0.64	1581	0.5	0.07	59	0.5	0.01	111	74	15	57	0.5	10	20	2.5	703	78	5	35
11128	816338	9407011	2322	0.003	0.25	91928	6	5	44	1	0.64	0.1	10	5	86	51	2.39	803	0.5	0.83	211	1	0.14	31	502	11	765	0.5	10	21	2.5	2670	138	5	54
11129	816261	9407076	2317	0.003	0.25	100001	6	5	535	1	0.05	0.1	20	4	131	174	1.76	1490	0.5	0.17	30	0.5	0.01	145	386	13	111	0.5	26	10	2.5	2257	272	5	99
11130	816195	9407151	2324	0.008	0.25	57347	3	5	28	1	0.005	0.1	10	5	89	42	4.52	1275	0.5	0.2	103	0.5	0.01	30	261	7	55	0.5	13	6	2.5	483	147	5	37
11131	816129	9407219	2315	0.003	0.25	100001	3	5	90	1	0.32	0.1	10	2	134	159	1.61	731	0.5	0.47	130	0.5	0.07	39	622	19	443	0.5	21	13	2.5	2735	148	5	39
11132	816088	9407308	2318	0.003	0.25	100001	9	5	8	1	0.41	0.1	10	0.5	101	23	1.32	448	0.5	0.5	135	1	0.08	6	690	13	1174	0.5	17	11	2.5	3092	113	5	24
11133	815976	9407317	2330	0.007	0.25	75250	3	5	99	1	0.01	0.1	24	0.5	125	53	2.99	1913	0.5	0.06	62	0.5	0.02	68	238	26	25	2	15	34	2.5	652	217	5	29
11134	815893	9407341	2347	0.04	0.25	64813	3	5	58	1	0.02	0.1	10	5	89	49	3.12	1012	0.5	0.08	92	0.5	0.005	28	81	3	56	0.5	9	5	2.5	1201	229	5	24
11135	815806	9407392	2328	0.003	0.25	100001	6	5	654	1	0.01	0.1	10	8	203	165	2.16	1767	0.5	0.28	57	0.5	0.02	146	1201	13	138	0.5	25	17	2.5	2388	277	5	88
11136	815712	9407426	2324	0.003	0.25	100001	3	5	776	1	0.15	0.1	10	23	107	78	1.57	538	0.5	0.16	66	0.5	0.03	40	732	12	309	0.5	16	24	2.5	2249	148	5	94
11137	815625	9407464	2335	0.003	0.25	100001	7	5	41	1	0.22	0.1	10	0.5	174	73	1.4	677	0.5	0.35	80	0.5	0.05	28	1017	23	789	5	28	8	2.5	4802	231	5	33
11138	815584	9407557	2329	0.003	0.25	100001	11	5	896	1	0.12	0.1	10	17	126	102	1.02	461	0.5	0.17	58	0.5	0.03	52	548	16	300	0.5	16	28	2.5	2562	152	5	108
11139	815500	9407614	2324	0.003	0.25	100001	5	5	302	1	0.04	0.1	10	3	128	298	3.29	1584	0.5	0.18	93	0.5	0.01	127	694	14	146	0.5	21	42	2.5	2245	239	5	43
11140	815509	9407718	2311	0.018	0.25	57093	3	5	62	1	0.01	0.1	10	0.5	66	27	0.95	2300	0.5	0.07	60	0.5	0.02	17	45	5	25	0.5	7	10	2.5	249	56	5	21
11141	815521	9407815	2296	0.006	0.25	100001	5	5	538	1	0.02	0.1	10	1	156	130	2.03	1877	0.5	0.2	33	0.5	0.01	134	567	11	51	0.5	26	8	2.5	3180	227	5	52
11142	815497	9407899	2296	0.007	0.25	100001	12	5	96	1	0.12	0.1	10	0.5	134	209	3.92	695	0.5	0.3	69	1	0.03	41	377	19	618	0.5	29	12	2.5	4121	274	5	36
11143	817790	9407252	2234	0.003	0.25	85924	3	5	134	1	0.02	0.1	10	6	99	108	2.22	1844	0.5	0.2	53	0.5	0.02	118	169	13	147	0.5	18	12	2.5	1368	179	5	57
11144	817858	9407332	2226	0.003	0.25	58412	3	5	60	1	0.06	0.1	10	3	79	53	2.46	2686	0.5	0.33	72	0.5	0.03	55	77	9	87	0.5	11	13	2.5	513	153	5	44

Figure 29   Soil assays provided by GMN, 3 of 12

Sample_ID	East	North	Elev	Au	Ag	Al	As	B	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Te	Ti	V	W	Zn
11145	817910	9407414	2221	0.003	0.25	100001	12	5	63	1	0.05	0.1	21	8	128	193	8.7	690	0.5	0.21	338	1	0.01	34	291	15	843	4	36	9	2.5	2947	299	5	47
11146	817964	9407406	2213	0.008	0.25	100001	5	5	206	1	0.03	0.1	10	6	119	215	6.63	1094	0.5	0.18	110	0.5	0.02	83	225	10	318	0.5	24	11	2.5	2698	299	5	44
11147	816815	9407140	2302	0.003	0.25	63454	11	5	30	1	0.02	0.1	10	0.5	104	55	8.71	1141	0.5	0.06	107	0.5	0.01	31	670	8	123	0.5	27	9	2.5	740	239	5	25
11148	816798	9407190	2300	0.009	0.25	80046	13	5	30	1	0.005	0.1	10	0.5	257	57	12.7	1054	0.5	0.06	57	0.5	0.005	30	309	4	197	3	24	6	2.5	909	233	5	23
11149	816791	9407239	2300	0.003	0.25	60012	14	5	36	1	0.01	0.1	10	0.5	149	64	10.8	1025	0.5	0.05	59	0.5	0.01	22	419	9	163	0.5	17	6	2.5	758	261	5	30
11150	816779	9407287	2289	0.014	0.25	51864	6	5	51	1	0.02	0.1	31	2	99	56	6.3	1948	0.5	0.24	207	0.5	0.02	45	247	13	84	0.5	13	9	2.5	567	166	5	46
11151	818142	9407357	2235	0.003	0.25	89144	5	5	321	1	0.02	0.1	10	0.5	92	101	9.24	1024	0.5	0.13	39	0.5	0.01	120	140	12	129	2	22	6	2.5	3410	266	5	31
11152	818162	9407404	2228	0.003	0.25	100001	5	5	258	1	0.02	0.1	10	0.5	92	166	6.38	1292	0.5	0.14	38	0.5	0.01	109	129	11	124	0.5	23	6	2.5	3576	279	5	46
11153	818193	9407443	2218	0.003	0.25	100001	12	5	39	1	0.05	0.1	22	0.5	156	139	8.9	378	0.5	0.08	81	2	0.005	20	260	12	653	0.5	30	4	2.5	2906	272	5	30
11154	818204	9407495	2204	0.01	0.25	60880	6	5	66	1	0.005	0.1	32	15	59	180	10.1	1383	0.5	0.06	338	0.5	0.005	10	866	5	159	0.5	21	3	2.5	232	233	5	36
11155	818196	9407545	2196	0.003	0.25	80619	12	5	125	1	0.005	0.1	10	3	159	147	10.3	891	0.5	0.07	90	3	0.005	44	450	6	175	0.5	34	5	2.5	1004	370	5	38
11156	818170	9407588	2176	0.003	0.25	100001	13	5	87	1	0.15	0.1	10	0.5	151	141	3.54	319	0.5	0.17	56	1	0.02	32	412	23	450	0.5	39	15	2.5	3130	346	5	20
11157	818145	9407632	2171	0.008	0.25	97783	6	5	10	1	0.38	0.1	10	0.5	115	45	4.58	503	0.5	0.48	127	0.5	0.07	7	540	4	867	0.5	34	9	2.5	2244	194	5	39
11158	818075	9407352	2228	0.007	0.25	100001	3	5	113	1	0.03	0.1	30	44	201	257	13.2	191	0.5	0.27	1476	0.5	0.005	73	631	11	203	0.5	42	11	2.5	5882	491	5	132
11159	818045	9407394	2222	0.007	0.25	94946	3	5	43	1	0.005	0.1	40	33	157	143	13.7	165	0.5	0.3	1321	0.5	0.005	45	958	5	370	4	82	2	2.5	3787	490	5	116
11160	818027	9407441	2210	0.012	0.25	100001	3	5	192	1	0.02	0.1	124	74	222	270	15.2	181	30	0.5	2333	0.5	0.005	42	1857	8	294	4	94	37	2.5	7420	620	5	172
11161	817999	9407482	2204	0.007	0.25	89119	5	5	56	3	0.06	0.1	21	14	129	136	12.4	149	0.5	0.35	959	0.5	0.005	32	338	1	143	2	52	8	2.5	4728	408	5	125
11162	817975	9407526	2207	0.009	0.25	52138	3	5	30	1	0.06	0.1	39	6	52	118	10.3	649	0.5	0.15	466	0.5	0.005	3	405	3	147	0.5	16	5	2.5	414	321	5	48
11163	817957	9407575	2202	0.003	0.25	58976	7	5	38	1	0.03	0.1	38	51	157	192	11.8	886	0.5	0.1	647	0.5	0.005	25	802	4	213	2	33	3	2.5	1046	353	5	48
11164	817967	9407638	2183	0.006	0.25	100001	6	5	224	1	0.01	0.1	20	13	60	202	9.76	203	0.5	0.33	472	0.5	0.005	37	1020	8	250	2	40	5	2.5	2629	320	5	86
11165	816785	9407080	2299	0.052	0.25	34910	3	5	34	1	0.02	0.1	10	0.5	113	25	1.56	907	0.5	0.05	50	0.5	0.005	17	56	8	51	0.5	8	7	2.5	371	110	5	18
11166	816684	9407068	2295	0.003	0.25	100001	6	5	894	1	0.07	0.1	10	25	162	151	2.45	445	0.5	0.14	41	0.5	0.01	83	594	15	331	0.5	23	16	2.5	3635	191	5	126
11167	816582	9407052	2304	0.006	0.25	100001	5	5	21	1	0.27	0.1	10	2	86	57	1.66	692	0.5	0.49	118	0.5	0.05	16	565	20	619	0.5	13	7	2.5	2540	123	5	39
11168	816477	9407055	2309	0.006	0.25	76084	3	5	9	1	0.44	0.1	10	2	61	37	2.9	437	0.5	0.44	185	0.5	0.08	7	362	6	560	0.5	17	10	2.5	2508	138	5	26
11169	816391	9407015	2325	0.003	0.25	89673	3	5	295	1	0.04	0.1	10	0.5	134	97	5.7	1113	0.5	0.16	37	0.5	0.005	94	108	10	73	0.5	20	4	2.5	3059	276	5	31
11170	816294	9407040	2321	0.009	0.25	100001	5	5	697	1	0.08	0.1	10	0.5	177	174	3.64	386	0.5	0.05	49	0.5	0.005	114	742	19	302	2	39	8	2.5	6008	364	5	45
11171	816236	9407120	2321	0.003	0.25	100001	3	5	394	1	0.04	0.1	10	0.5	158	131	3.2	1407	0.5	0.12	26	0.5	0.01	129	388	12	112	0.5	43	5	2.5	2771	313	5	47
11172	816151	9407174	2323	0.003	0.25	98401	7	5	392	1	0.02	0.1	10	6	106	115	5.02	1731	0.5	0.21	91	0.5	0.01	125	428	14	78	0.5	36	7	2.5	4221	286	5	38
11173	816116	9407267	2315	0.003	0.25	100001	6	5	14	1	0.31	0.1	21	0.5	92	50	1.39	467	0.5	0.38	107	0.5	0.05	9	1083	13	594	2	15	7	2.5	2556	99	5	24
11174	816027	9407316	2321	0.103	0.25	34643	8	5	39	1	0.06	0.1	10	0.5	139	58	9.88	681	0.5	0.04	84	2	0.005	21	388	6	85	0.5	21	6	2.5	618	291	5	25
11175	815927	9407304	2333	0.003	0.25	69432	3	5	129	1	0.02	0.1	10	0.5	76	76	0.9	1102	0.5	0.08	58	0.5	0.01	42	85	13	50	0.5	13	7	2.5	1533	174	5	24
11176	815843	9407357	2328	0.022	0.25	42368	3	5	29	1	0.03	0.1	10	0.5	94	18	0.82	1245	0.5	0.06	54	0.5	0.005	22	58	16	25	0.5	8	7	2.5	475	153	5	17
11177	815759	9407412	2319	0.003	0.25	100001	10	5	9	1	0.34	0.1	10	0.5	118	37	1.43	441	0.5	0.4	114	1	0.06	8	883	16	1066	0.5	19	9	2.5	3471	170	5	29
11178	815660	9407428	2325	0.006	0.25	86451	3	5	16	1	0.36	0.1	10	0.5	71	36	1.48	577	0.5	0.43	126	0.5	0.07	8	451	17	489	0.5	11	8	2.5	2809	115	5	30
11179	815604	9407511	2328	0.003	0.25	100001	6	5	11	1	0.4	0.1	10	2	100	41	2.17	586	0.5	0.55	139	0.5	0.07	9	712	6	412	0.5	20	8	2.5	2445	121	5	39
11180	815535	9407578	2325	0.01	0.25	63161	19	5	31	1	0.06	0.1	10	0.5	237	50	10.8	1319	0.5	0.1	227	0.5	0.005	49	324	8	78	3	26	8	2.5	1524	280	5	38
11181	815500	9407669	2316	0.021	0.25	100001	6	5	223	1	0.04	0.1	10	0.5	103	126	4.25	434	0.5	0.03	75	2	0.005	44	186	10	86	0.5	18	10	2.5	2607	363	5	33
11182	815524	9407766	2306	0.003	0.25	56622	3	5	53	1	0.06	0.1	21	0.5	114	45	4.37	1044	0.5	0.06	60	0.5	0.01	18	170	13	64	0.5	11	23	2.5	486	201	5	27
11183	815496	9407862	2295	0.003	0.25	100001	3	5	668	1	0.05	0.1	10	14	240	177	1.01	557	0.5	0.07	21	0.5	0.01	77	4048	14	263	5	42	13	2.5	3483	347	5	78
11184	817638	9406949	2269	0.003	0.25	100001	12	5	14	1	0.24	0.1	10	0.5	79	50	1.81	505	0.5	0.41	100	1	0.05	10	478	14	595	2	18	5	2.5	2541	121	5	31
11185	817652	9406997	2268	0.003	0.25	98998	3	5	13	1	0.37	0.1	10	1	105	42	2.81	487	0.5	0.49	127	1	0.07	9	598	5	500	2	19	8	2.5	2623	144	5	35
11186	817685	9407034	2000	0.003	0.25	100001	8	5	40	1	0.12	0.1	10	0.5	165	155	8.66	363	0.5	0.23	61	2	0.02	18	513	19	824	0.5	39	9	2.5	4706	384	5	28
11187	817741	9407115	2245	0.003	0.25	100001	11	5	101	1	0.21	0.1	10	1	114	145	2.64	510	0.5	0.39	93	1	0.03	40	648	17	444	0.5	26	13	2.5	4168	212	5	46
11188	817801	9407196	2237	0.009	0.25	100001	7	5	16	1	0.33	0.1	10	0.5	84	59	3.44	524	0.5	0.43	120	0.5	0.06	11	581	9	921	0.5	24	7	2.5	3199	182	5	39
11189	817816	9407294	2229	0.003	0.25	100001	11	5	38	1	0.22	0.1	22	0.5	111	89	2.41	608	0.5	0.37	92	1	0.04	31	530	19	480	0.5	24	6	2.5	3092	193	5	38
11190	817881	9407370	2223	0.014	0.25	100001	8	5	137	1	0.05	0.1	75	57	82	250	13.3	278	0.5	0.64	2364	0.5	0.005	60	1032	3	180	5	44	16	2.5	5752	500	5	125
11191	816876	9407124	2307	0.007	0.25	50250	3	5	33	1	0.04	0.1	10	0.5	161	61	7.65	1107	0.5	0.09	91	0.5	0.01	30	408	13	110	0.5	16	7	2.5	663	221	5	42
11192	816914	9407156	2300	0.003	0.25	54993	13	5	47	1	0.03	0.1	151	18	179	77	7.05	952	0.5	0.21	747	0.5	0.005	112	481	12	116	0.5	19	10	2.5	1125	186	5	53

Figure 30 Soil assays provided by GMN, 4 of 12

Sample_ID	East	North	Elev	Au	Ag	Al	As	B	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Te	Ti	V	W	Zn
11193	816954	9407189	2293	0.003	0.25	87237	8	5	16	1	0.85	0.1	10	4	90	36	4.14	805	0.5	0.92	281	1	0.17	14	456	5	528	2	19	20	2.5	3353	180	5	45
11194	817000	9407228	2297	0.003	0.25	59268	11	5	48	1	0.05	0.1	69	23	161	89	7.72	1191	0.5	0.22	884	0.5	0.01	82	502	11	107	0.5	24	9	2.5	1027	226	5	50
11195	817048	9407247	2294	0.003	0.25	59523	5	5	29	1	0.02	0.1	23	2	79	50	4.58	929	0.5	0.3	140	0.5	0.01	29	165	8	60	0.5	12	4	2.5	1106	204	5	43
11196	817089	9407279	2291	0.003	0.25	52460	7	5	41	1	0.04	0.1	59	12	89	75	7.06	787	0.5	0.2	661	0.5	0.005	39	367	14	134	0.5	19	5	2.5	1046	186	5	41
11197	817123	9407316	2285	0.101	0.25	49113	3	5	26	1	0.02	0.1	74	5	105	57	6.46	924	0.5	0.19	359	0.5	0.01	22	291	10	89	0.5	11	5	2.5	598	164	5	37
11198	817170	9407337	2280	0.003	0.25	100001	10	5	10	1	0.24	0.1	10	0.5	59	64	8.04	496	0.5	0.26	118	0.5	0.04	2	521	13	1544	0.5	37	5	2.5	4384	339	5	24
11199	817222	9407355	2275	0.006	0.25	62040	6	5	24	1	0.03	0.1	24	5	74	70	7.55	713	0.5	0.29	351	0.5	0.005	25	286	5	112	3	15	7	2.5	1322	230	5	38
11200	817244	9407401	2267	0.003	0.25	100001	8	5	4	1	0.31	0.1	23	0.5	100	36	5.07	604	0.5	0.34	151	2	0.05	5	438	4	1363	4	30	6	2.5	2849	142	5	29
11201	817262	9407447	2252	0.006	0.25	100001	8	5	36	1	0.03	0.1	10	2	115	156	9.53	731	0.5	0.13	81	0.5	0.01	35	269	11	531	0.5	32	6	2.5	2138	283	5	51
11202	817264	9407497	2240	0.256	0.25	83034	6	5	40	1	0.05	0.1	36	11	109	117	10.3	788	0.5	0.15	290	0.5	0.005	48	409	11	356	4	23	5	2.5	1568	324	5	56
11203	816115	9407351	2307	0.003	0.25	100001	3	5	604	1	0.03	0.1	10	0.5	120	157	5.62	1325	0.5	0.11	33	0.5	0.01	120	259	13	121	0.5	29	7	2.5	3286	349	5	51
11204	816150	9407389	2311	0.003	0.25	41998	9	5	33	1	0.04	0.1	10	0.5	155	40	4.59	1569	0.5	0.06	92	0.5	0.01	25	291	10	63	0.5	24	6	2.5	347	199	5	25
11205	816193	9407415	2317	0.008	0.25	55071	12	10	45	1	0.06	0.1	10	0.5	129	47	6.77	1226	0.5	0.05	37	0.5	0.01	25	133	6	77	0.5	16	14	2.5	587	269	5	23
11206	816241	9407434	2321	0.003	0.25	41532	3	5	28	1	0.04	0.1	10	0.5	83	32	6.33	1135	0.5	0.05	87	0.5	0.01	6	79	5	77	2	8	6	2.5	502	276	5	24
11207	816267	9407477	2324	0.003	0.25	35186	3	5	44	1	0.04	0.1	10	0.5	97	27	3.57	1412	0.5	0.04	66	0.5	0.01	12	134	8	25	2	16	9	2.5	183	151	5	20
11208	816266	9407528	2322	0.009	0.25	30967	6	12	39	1	0.01	0.1	10	0.5	163	38	7.1	1787	0.5	0.04	46	0.5	0.02	10	116	5	65	3	14	7	2.5	139	165	5	25
11209	816296	9407569	2317	0.003	0.25	42942	3	5	27	1	0.04	0.1	10	0.5	60	20	2.45	831	0.5	0.06	53	0.5	0.005	12	129	8	25	0.5	7	9	2.5	308	131	5	14
11210	816336	9407600	2318	0.012	0.25	47726	11	5	59	1	0.02	0.1	10	0.5	115	35	5.75	2773	0.5	0.1	54	0.5	0.02	36	166	8	78	0.5	8	8	2.5	205	190	5	42
11211	816386	9407613	2312	0.003	0.25	39169	3	5	25	1	0.03	0.1	10	0.5	69	30	2.8	717	0.5	0.07	55	0.5	0.005	12	134	9	55	0.5	9	8	2.5	305	249	5	20
11212	816436	9407612	2311	0.003	0.25	64248	8	5	90	1	0.01	0.1	24	0.5	227	34	6.5	1896	21	0.06	69	0.5	0.01	23	354	14	55	0.5	17	32	2.5	672	173	5	27
11213	816485	9407611	2304	0.003	0.25	75440	3	5	57	1	0.005	0.1	10	0.5	92	41	5.51	2364	0.5	0.1	99	0.5	0.02	31	230	7	51	0.5	15	9	2.5	674	277	5	30
11214	816539	9407613	2298	0.003	0.25	70674	8	5	39	1	0.02	0.1	10	0.5	139	43	7.25	1358	0.5	0.07	77	0.5	0.01	47	296	12	156	0.5	14	7	2.5	1222	292	5	24
11215	816588	9407619	2298	0.003	0.25	68511	8	5	62	1	0.02	0.1	10	0.5	82	51	5.37	2430	0.5	0.09	75	0.5	0.02	22	131	7	122	0.5	9	10	2.5	769	199	5	32
11216	816637	9407633	2299	0.007	0.25	51234	5	5	34	1	0.06	0.1	10	0.5	83	68	8.94	1740	0.5	0.14	170	0.5	0.02	25	741	12	65	0.5	28	9	2.5	398	170	5	38
11217	816686	9407650	2294	0.003	0.25	65033	3	5	20	1	0.01	0.1	10	0.5	72	34	3.78	882	0.5	0.09	74	0.5	0.005	33	257	6	61	0.5	11	4	2.5	453	157	5	22
11218	816735	9407652	2295	0.003	0.25	50011	3	5	38	1	0.02	0.1	10	0.5	59	31	2.22	1644	0.5	0.09	59	0.5	0.01	28	119	8	25	0.5	6	6	2.5	309	115	5	21
11219	816787	9407672	2296	0.003	0.25	72426	14	5	50	1	0.05	0.1	10	0.5	209	61	7.59	1654	0.5	0.13	124	0.5	0.01	64	449	14	100	0.5	24	12	2.5	673	260	5	32
11220	816838	9407684	2292	0.003	0.25	60065	5	5	28	1	0.08	0.1	10	0.5	108	49	6.36	1019	0.5	0.14	104	0.5	0.005	27	397	4	82	0.5	19	9	2.5	508	245	5	28
11221	816891	9407682	2297	0.003	0.25	57105	3	5	45	1	0.04	0.1	10	0.5	113	28	6.02	1746	0.5	0.09	67	0.5	0.02	13	100	10	25	0.5	12	10	2.5	571	192	5	25
11222	816941	9407694	2300	0.003	0.25	49548	14	5	46	1	0.01	0.1	10	0.5	110	33	4.89	1781	0.5	0.05	98	0.5	0.01	24	176	6	54	0.5	10	8	2.5	460	211	5	24
11223	816990	9407683	2291	0.003	0.25	57183	3	5	37	1	0.05	0.1	10	0.5	132	42	6.83	1388	0.5	0.1	109	0.5	0.02	17	252	8	73	0.5	13	9	2.5	427	167	5	29
11224	817040	9407682	2286	0.003	0.25	71287	3	5	26	1	0.01	0.1	10	0.5	54	38	3.99	908	0.5	0.12	65	0.5	0.01	25	124	12	76	0.5	13	5	2.5	546	134	5	31
11225	817092	9407696	2284	0.003	0.25	50668	3	5	34	1	0.03	0.1	10	0.5	63	29	2.01	1319	0.5	0.14	93	0.5	0.01	26	63	6	25	0.5	7	7	2.5	441	102	5	36
11226	817143	9407710	2283	0.003	0.25	52948	5	5	52	1	0.04	0.1	10	0.5	87	34	4.19	2315	0.5	0.1	83	0.5	0.02	15	216	9	59	0.5	13	7	2.5	214	106	5	33
11227	817195	9407729	2278	0.003	0.25	40080	5	5	52	1	0.05	0.1	10	0.5	83	49	3.95	1062	0.5	0.07	58	0.5	0.005	18	168	6	89	0.5	9	6	2.5	464	138	5	29
11228	817239	9407758	2265	0.003	0.25	44490	12	5	48	1	0.03	0.1	10	0.5	133	76	8.59	1758	0.5	0.13	223	0.5	0.01	52	518	11	92	0.5	26	6	2.5	826	207	5	42
11229	817304	9407530	2219	0.003	0.25	68119	6	5	152	1	0.06	0.1	10	11	114	76	2.26	807	0.5	0.25	88	0.5	0.01	54	321	13	224	0.5	15	9	2.5	1650	166	5	81
11230	817297	9407581	2234	0.003	0.25	55822	3	5	64	1	0.04	0.1	33	56	100	77	8	847	0.5	0.13	1544	0.5	0.005	42	480	12	150	0.5	32	6	2.5	1078	237	5	38
11231	817284	9407631	2246	0.008	0.25	100001	16	5	64	1	0.23	0.1	10	5	82	102	6.62	896	0.5	0.47	273	0.5	0.04	23	620	14	395	2	12	8	2.5	2701	180	5	52
11232	817277	9407681	2248	0.003	0.25	58453	5	5	62	1	0.04	0.1	10	9	44	130	1.24	711	0.5	0.07	49	0.5	0.01	38	397	18	185	0.5	11	8	2.5	2195	170	5	52
11233	817271	9407720	2250	0.003	0.25	56386	3	5	58	1	0.05	0.1	10	4	93	63	1.05	686	0.5	0.1	101	0.5	0.005	40	182	16	134	0.5	8	7	2.5	1530	109	5	40
11234	817280	9407787	2257	0.003	0.25	55755	7	5	32	1	0.04	0.1	10	0.5	43	46	5.23	689	0.5	0.1	92	0.5	0.005	20	108	8	178	0.5	8	7	2.5	1075	335	5	27
11235	817329	9407801	2249	0.003	0.25	41436	3	5	36	1	0.07	0.1	41	6	84	64	5.61	1129	0.5	0.16	378	0.5	0.005	32	377	7	66	0.5	14	7	2.5	672	161	5	35
11236	817373	9407825	2247	0.007	0.25	67124	8	5	79	1	0.02	0.1	48	18	279	98	11.8	634	0.5	0.1	597	1	0.005	85	908	22	199	0.5	43	5	2.5	2003	380	5	49
11237	817412	9407858	2242	0.003	0.25	40542	8	5	30	1	0.03	0.1	46	14	110	66	6.83	773	0.5	0.13	624	0.5	0.005	26	351	12	131	0.5	16	6	2.5	712	203	5	37
11238	817458	9407896	2237	0.003	0.25	40968	7	5	22	1	0.02	0.1	10	1	95	59	5.69	695	0.5	0.11	123	0.5	0.005	27	278	9	88	0.5	15	3	2.5	541	165	5	34
11239	817509	9407906	2233	0.003	0.25	50815	8	5	33	1	0.02	0.1	10	2	95	55	7.27	1046	0.5	0.17	228	0.5	0.01	19	309	12	89	0.5	13	6	2.5	968	184	5	31
11240	817561	9407924	2230	0.003	0.25	48842	8	5	39	1	0.02	0.1	86	36	104	71	7.9	877	0.5	0.19	1009	0.5	0.005	31	385	14	82	0.5	22	4	2.5	1060	205	5	41

Figure 31 Soil assays provided by GMN, 5 of 12

Sample_ID	East	North	Elev	Au	Ag	Al	As	B	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Te	Ti	V	W	Zn
11241	817609	9407939	2229	0.003	0.25	44514	7	5	36	1	0.07	0.1	99	12	79	56	5.55	1039	0.5	0.18	508	0.5	0.01	33	358	8	82	0.5	14	7	2.5	784	148	5	37
11242	817660	9407946	2226	0.003	0.25	41097	7	5	31	1	0.03	0.1	121	21	78	50	5.74	781	0.5	0.15	918	0.5	0.005	25	349	9	61	0.5	21	4	2.5	649	169	5	43
11243	817711	9407954	2232	0.003	0.25	58578	9	5	42	1	0.005	0.5	48	10	169	99	11.3	567	0.5	0.13	326	0.5	0.005	45	811	15	167	0.5	27	4	2.5	1783	300	5	40
11244	817760	9407962	2238	0.003	0.25	53389	10	5	41	1	0.02	0.1	37	6	119	70	8.63	918	0.5	0.13	386	0.5	0.005	46	500	16	94	0.5	20	5	2.5	978	255	5	43
11245	816448	9407097	2315	0.003	0.25	53051	25	5	35	1	0.03	0.7	10	3	465	62	10.9	1180	0.5	0.12	115	0.5	0.005	69	399	11	143	0.5	24	6	2.5	812	293	5	32
11246	816464	9407147	2314	0.018	0.25	44188	5	5	40	1	0.04	0.1	10	0.5	150	38	8.33	1746	0.5	0.09	64	0.5	0.02	24	149	10	145	0.5	11	6	2.5	408	218	5	26
11247	816487	9407193	2309	0.013	0.25	63156	7	5	56	1	0.06	0.1	10	0.5	136	64	6.5	698	0.5	0.06	68	0.5	0.005	24	137	9	127	0.5	7	9	2.5	1621	312	5	21
11248	816519	9407231	2301	0.003	0.25	100001	8	5	431	1	0.04	0.6	10	6	199	122	12.4	945	0.5	0.12	103	0.5	0.005	122	380	17	191	0.5	25	6	2.5	4877	301	5	53
11249	816558	9407264	2292	0.003	0.25	100001	10	5	10	1	0.28	0.1	10	0.5	102	45	3.25	411	0.5	0.26	69	1	0.04	3	537	7	576	2	34	6	2.5	3439	218	5	16
11250	816588	9407303	2285	0.003	0.25	99409	7	5	10	1	0.15	0.1	10	0.5	65	54	5.32	406	0.5	0.13	77	0.5	0.02	1	476	21	750	2	33	4	2.5	4422	305	5	16
11251	816778	9407336	2284	0.01	0.25	40337	5	5	34	1	0.02	0.1	10	1	71	48	6.5	997	0.5	0.18	190	0.5	0.005	19	265	11	78	0.5	8	7	2.5	652	166	5	32
11252	816761	9407383	2282	0.003	0.25	44588	7	5	20	1	0.05	0.1	10	0.5	72	47	8.39	425	0.5	0.14	93	0.5	0.005	17	353	9	117	0.5	11	5	2.5	709	256	5	28
11253	816725	9407418	2263	0.006	0.25	59163	7	5	42	1	0.01	0.1	10	6	107	97	2.45	1048	0.5	0.12	65	0.5	0.01	45	252	13	120	0.5	11	6	2.5	990	163	5	49
11254	816624	9407340	2278	0.003	0.25	35638	7	5	21	1	0.02	0.1	10	0.5	105	16	3.42	839	0.5	0.09	59	0.5	0.005	28	75	7	58	0.5	4	6	2.5	1465	220	5	21
11255	816633	9407389	2270	0.003	0.25	98564	6	5	15	1	0.3	0.1	10	2	83	57	2.68	506	0.5	0.38	105	1	0.05	10	656	14	442	0.5	17	6	2.5	2392	131	5	27
11256	816632	9407430	2274	0.003	0.25	64091	15	5	47	1	0.04	0.1	27	6	105	91	9.22	998	0.5	0.14	262	0.5	0.005	39	402	11	234	0.5	15	5	2.5	1731	288	5	41
11257	816581	9407430	2290	0.003	0.25	49151	6	5	26	1	0.005	0.1	24	1	85	61	7.11	829	0.5	0.17	199	0.5	0.005	21	302	11	86	0.5	11	5	2.5	802	200	5	39
11258	816530	9407440	2291	0.008	0.25	53285	8	5	32	1	0.03	0.1	10	0.5	118	71	9.29	710	0.5	0.14	95	0.5	0.005	32	361	14	156	0.5	14	6	2.5	1076	244	5	34
11259	816477	9407442	2293	0.041	0.25	44741	7	5	21	1	0.06	0.1	10	0.5	44	32	8.76	557	0.5	0.1	76	0.5	0.005	11	134	10	106	0.5	5	6	2.5	1761	340	5	20
11260	816427	9407452	2301	0.015	0.25	51004	10	5	34	1	0.08	0.1	10	0.5	137	63	6.44	1106	0.5	0.06	65	0.5	0.005	32	697	14	63	0.5	16	13	2.5	591	225	5	36
11261	816360	9407445	2311	0.003	0.25	30907	5	5	23	1	0.03	0.1	10	0.5	65	25	5.95	985	0.5	0.04	30	0.5	0.005	3	70	7	64	0.5	5	5	2.5	465	185	5	19
11262	816311	9407448	2317	0.008	0.25	60482	5	5	137	1	0.02	0.1	10	0.5	55	81	3.64	704	0.5	0.05	30	0.5	0.005	29	120	14	202	0.5	9	12	2.5	2330	235	5	34
11263	816412	9407003	2321	0.008	0.25	53444	7	5	71	1	0.06	0.1	60	72	129	92	6.6	872	0.5	0.18	1545	0.5	0.005	107	306	11	175	0.5	18	9	2.5	865	195	5	74
11264	816419	9406953	2309	0.003	0.25	60383	3	5	78	1	0.05	0.1	10	6	76	43	1.84	892	0.5	0.31	119	0.5	0.005	52	64	10	101	0.5	8	6	2.5	1252	109	5	65
11265	816440	9406908	2295	0.009	0.25	47777	32	5	79	1	0.1	0.1	36	42	206	71	6.01	2258	36	1.08	733	0.5	0.01	139	416	11	25	0.5	24	8	2.5	974	155	5	153
11266	816463	9406862	2275	0.003	0.25	94218	9	5	523	1	0.09	0.1	10	37	209	171	7.1	434	0.5	0.76	322	0.5	0.005	76	275	4	117	0.5	23	16	2.5	5115	292	5	147
11267	816486	9406816	2263	0.007	0.25	100001	9	5	290	1	0.07	0.7	59	24	101	228	12.2	1068	0.5	0.5	490	0.5	0.005	35	800	8	275	0.5	32	16	2.5	4449	415	5	87
11268	816496	9406768	2249	0.003	0.25	100001	6	5	266	3	0.04	0.8	10	4	99	137	13.5	888	0.5	0.22	88	0.5	0.005	74	117	13	176	2	17	5	2.5	2335	324	5	36
11269	816526	9406726	2232	0.003	0.25	100001	15	5	131	1	0.06	0.1	27	14	92	215	10.2	349	0.5	0.36	417	0.5	0.005	38	303	15	564	2	34	5	2.5	5460	451	5	67
11270	816543	9406677	2216	0.008	0.25	100001	17	5	22	1	0.25	0.1	10	2	121	85	2.09	432	0.5	0.31	89	0.5	0.04	12	364	16	562	0.5	26	6	2.5	3612	132	5	28
11271	816539	9406626	2194	0.006	0.25	100001	8	5	152	1	0.05	0.6	28	20	144	186	10.9	833	0.5	0.44	785	0.5	0.005	33	467	8	412	2	30	8	2.5	4596	375	5	60
11272	816553	9406578	2171	0.007	0.25	100001	12	5	74	1	0.13	0.6	24	17	89	171	13.6	1142	0.5	0.47	592	1	0.005	12	407	15	554	0.5	25	11	2.5	4609	459	5	53
11273	816538	9406529	2153	0.003	0.25	100001	6	5	106	1	0.09	0.1	33	17	177	156	8.74	584	0.5	0.34	558	0.5	0.005	33	367	10	338	3	27	15	2.5	3770	326	5	57
11274	816534	9406479	2139	0.003	0.25	100001	7	5	355	1	0.11	0.5	43	30	59	203	8.55	494	0.5	0.55	1174	0.5	0.005	19	400	0.5	285	3	32	13	5	4703	222	5	115
11275	816536	9406428	2119	0.003	0.25	100001	7	5	97	1	0.12	0.9	41	42	135	194	11	535	0.5	0.94	664	0.5	0.01	48	542	5	660	0.5	36	6	2.5	6152	414	5	79
11276	817293	9406536	2320	0.003	0.25	91701	3	5	714	1	0.03	0.1	10	6	186	178	9.41	355	0.5	0.04	132	0.5	0.005	111	1839	17	260	0.5	54	2	2.5	7929	404	5	49
11277	817325	9406498	2318	0.003	0.25	100001	9	5	18	1	0.14	0.7	10	30	141	103	11.4	388	0.5	0.15	97	0.5	0.02	7	669	11	816	0.5	31	4	6	4016	300	5	30
11278	817332	9406447	2308	0.003	0.25	100001	3	5	45	2	0.06	0.7	10	17	105	205	10.2	385	0.5	0.65	236	0.5	0.005	29	213	8	367	0.5	29	10	2.5	3324	381	5	76
11279	817340	9406399	2304	0.003	0.25	100001	9	5	109	1	0.07	0.6	48	42	207	276	12.3	257	0.5	0.55	941	0.5	0.005	63	838	5	527	0.5	38	9	2.5	5441	446	5	110
11280	817340	9406349	2299	0.006	0.25	96295	3	5	56	1	0.09	0.8	10	13	76	180	14.2	286	0.5	0.5	279	0.5	0.005	19	179	11	238	2	28	13	2.5	4070	457	5	53
11281	817356	9406302	2295	0.01	0.25	100001	7	5	145	1	0.04	1	10	33	300	168	14.3	161	0.5	0.5	1116	0.5	0.005	109	924	8	460	0.5	76	1	2.5	7031	474	5	102
11282	817378	9406256	2286	0.003	0.25	100001	6	5	61	1	0.03	0.6	10	8	142	159	13.6	332	0.5	0.27	223	0.5	0.01	43	314	16	387	0.5	26	11	2.5	6252	504	5	42
11283	817395	9406207	2282	0.006	0.25	100001	8	5	74	1	0.05	0.1	10	0.5	158	173	5.85	391	0.5	0.24	70	2	0.01	40	283	28	1013	0.5	36	18	5	5410	332	5	24
11284	817435	9406174	2278	0.003	0.25	100001	3	5	43	1	0.02	0.8	10	31	362	149	13.4	189	0.5	0.51	1361	0.5	0.005	55	1274	3	332	0.5	55	3	2.5	8631	491	5	95
11285	817478	9406147	2278	0.003	0.25	100001	8	5	20	1	0.36	0.1	26	5	136	55	6.04	617	0.5	0.41	223	0.5	0.07	10	282	10	1664	0.5	39	13	5	3834	190	5	27
11286	817518	9406115	2267	0.003	0.25	100001	3	5	79	2	0.03	0.6	103	61	127	193	12.2	282	29	0.9	2112	0.5	0.005	40	781	5	219	0.5	57	7	2.5	4798	413	5	104
11287	817552	9406077	2257	0.003	0.25	100001	8	5	68	1	0.1	0.1	21	10	102	203	7.62	629	0.5	0.8	177	0.5	0.005	25	114	5	336	0.5	21	15	2.5	3456	303	5	66
11288	817594	9406048	2244	0.003	0.25	100001	3	5	74	1	0.04	1.4	25	20	276	222	19.1	556	0.5	0.56	605	0.5	0.005	41	223	14	610	0.5	35	7	2.5	8394	680	5	64

Figure 32 Soil assays provided by GMN, 6 of 12

Sample_ID	East	North	Elev	Au	Ag	Al	As	B	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Te	Ti	V	W	Zn
11289	817623	9406008	2239	0.007	0.25	100001	13	5	44	1	0.06	0.1	22	7	150	243	8.31	357	0.5	0.38	168	1	0.005	38	182	22	1015	0.5	34	10	7	4887	290	5	43
11290	817650	9405963	2227	0.006	0.25	100001	11	5	18	1	0.41	0.1	10	4	117	98	5.32	618	0.5	0.59	202	0.5	0.07	11	254	12	1481	0.5	34	8	6	3558	238	5	35
11291	817674	9405919	2216	0.009	0.25	100001	7	5	8	1	0.45	0.6	45	22	179	75	7.87	528	0.5	0.58	969	0.5	0.08	14	424	20	1947	0.5	28	10	5	5984	242	5	53
11292	817698	9405875	2199	0.006	0.25	100001	9	5	13	1	0.18	0.1	10	1	88	70	5.37	422	0.5	0.27	108	0.5	0.03	4	337	11	925	0.5	37	5	2.5	4084	262	5	22
11293	817728	9405836	2186	0.008	0.25	100001	7	5	15	1	0.39	0.1	10	4	104	75	4	637	0.5	0.54	186	0.5	0.07	14	326	10	1619	0.5	24	8	2.5	3507	154	5	40
11294	817728	9405785	2183	0.003	0.25	100001	6	5	57	1	0.23	0.1	38	25	155	153	7.55	596	0.5	0.43	894	2	0.04	74	483	17	1838	4	23	7	2.5	5078	248	5	78
11295	817769	9405808	2169	0.007	0.25	100001	3	5	72	1	0.13	1.1	43	73	286	223	16	2439	0.5	1.22	3054	0.5	0.005	59	426	5	156	0.5	121	10	2.5	5560	382	5	117
11296	817820	9405800	2150	0.006	0.25	100001	3	5	100	2	0.02	1	27	27	291	187	14.3	468	0.5	0.74	919	0.5	0.005	75	323	4	212	0.5	67	3	2.5	6301	441	5	78
11297	817871	9405794	2123	0.003	0.25	100001	6	5	245	1	0.21	0.7	46	49	170	219	10.7	328	26	2.11	1651	0.5	0.005	88	695	1	125	3	52	18	2.5	6590	367	5	109
11298	817922	9405784	2092	0.003	0.25	100001	8	5	169	1	0.14	0.6	36	23	208	205	12.8	625	0.5	0.76	442	0.5	0.005	57	468	7	288	0.5	39	21	2.5	5710	438	5	64
11299	817966	9405759	2075	0.003	0.25	100001	3	5	209	1	0.2	0.6	41	43	146	142	10.7	467	24	1.67	1609	0.5	0.01	60	594	6	157	0.5	48	26	2.5	5965	368	5	113
11300	818017	9405770	2041	0.003	0.25	100001	3	5	186	1	0.11	0.5	50	49	164	191	11.9	366	0.5	1.18	1009	0.5	0.005	55	549	5	307	4	51	16	2.5	4843	434	5	96
11301	818066	9405767	2015	0.003	0.25	100001	3	5	196	1	0.19	0.5	37	42	191	153	10.4	566	0.5	1.03	1160	0.5	0.01	52	739	5	388	0.5	34	26	2.5	4685	393	5	85
11302	815669	9407380	2317	0.065	0.25	100001	10	5	718	1	0.03	0.1	10	10	150	203	2.71	510	0.5	0.1	39	0.5	0.01	65	936	15	419	3	24	11	2.5	4097	231	5	107
11303	815685	9407331	2311	0.003	0.25	81069	3	5	157	1	0.11	0.1	10	3	78	94	3.29	1014	0.5	0.19	73	0.5	0.01	48	373	15	276	0.5	11	20	2.5	2771	259	5	50
11304	815695	9407281	2308	0.008	0.25	65728	7	5	89	1	0.005	0.1	25	2	134	93	5.63	1192	0.5	0.12	74	0.5	0.01	80	333	18	63	0.5	25	14	2.5	767	283	5	43
11305	815682	9407229	2305	0.003	0.25	72049	12	5	54	1	0.02	0.1	34	28	72	83	10.5	1324	0.5	0.21	863	0.5	0.005	26	248	10	162	0.5	18	7	6	1145	211	5	48
11306	815648	9407190	2295	0.003	0.25	100001	10	5	23	1	0.83	0.1	10	6	102	45	2.9	934	0.5	0.99	270	0.5	0.16	18	534	8	548	0.5	14	19	2.5	3567	136	5	53
11307	815603	9407166	2292	0.003	0.25	100001	8	5	15	1	0.54	0.1	10	4	120	50	1.52	728	0.5	0.63	184	0.5	0.09	13	603	20	532	0.5	20	10	2.5	3866	120	5	29
11308	815572	9407126	2289	0.003	0.25	100001	8	5	175	1	0.19	0.1	10	3	122	178	1.91	615	0.5	0.28	92	0.5	0.03	51	389	20	328	0.5	28	12	5	4007	213	5	43
11309	815546	9407077	2292	0.003	0.25	98467	5	5	10	1	0.54	0.1	10	4	102	31	2.76	635	0.5	0.65	186	0.5	0.1	9	411	9	570	0.5	21	10	2.5	2627	133	5	37
11310	815521	9407035	2281	0.003	0.25	100001	9	5	278	1	0.005	0.1	10	2	170	240	5.48	983	0.5	0.12	52	1	0.005	130	164	17	200	0.5	22	8	6	3048	297	5	39
11311	815525	9406987	2270	0.003	0.25	64113	3	5	68	1	0.02	0.1	10	0.5	119	52	5.59	1224	0.5	0.17	77	0.5	0.01	50	122	13	93	0.5	12	6	2.5	1082	204	5	37
11312	815541	9406940	2269	0.003	0.25	100001	6	5	18	1	0.34	0.1	10	3	91	67	3.58	555	0.5	0.51	140	0.5	0.06	17	328	15	865	0.5	20	7	2.5	3375	138	5	39
11313	815580	9406906	2261	0.007	0.25	97678	6	5	11	1	0.02	0.1	10	14	175	100	9.49	1846	0.5	0.87	408	0.5	0.005	18	223	6	224	2	28	3	2.5	2172	253	5	51
11314	815599	9406856	2250	0.006	0.25	92649	6	5	53	1	0.02	0.5	10	10	75	133	12.4	517	0.5	0.53	462	0.5	0.005	18	226	13	282	0.5	16	9	2.5	5738	506	5	53
11315	815616	9406808	2236	0.007	0.25	100001	6	5	96	1	0.02	0.7	64	46	88	218	11.8	2276	0.5	0.74	1642	0.5	0.005	18	308	7	133	0.5	38	4	2.5	6274	303	5	99
11316	815620	9406758	2219	0.003	0.25	100001	9	5	124	1	0.08	0.1	10	3	149	294	9.41	404	0.5	0.18	97	1	0.02	52	226	15	663	0.5	30	14	2.5	4471	300	5	32
11317	815623	9406705	2203	0.007	0.25	100001	3	5	145	1	0.04	0.7	67	47	188	223	12.3	533	0.5	0.86	1959	0.5	0.005	80	362	7	232	0.5	69	2	2.5	6262	349	5	98
11318	815654	9406665	2205	0.01	0.25	100001	3	5	413	1	0.02	0.8	93	94	254	283	13.9	288	20	0.54	2024	0.5	0.005	82	772	4	386	2	83	5	2.5	9021	514	5	153
11319	815681	9406622	2201	0.003	0.25	99895	3	5	135	1	0.005	0.8	33	58	334	216	14.5	205	0.5	0.58	1978	0.5	0.005	113	1002	6	303	0.5	64	1	2.5	9577	547	5	134
11320	815664	9406572	2187	0.007	0.25	85099	3	5	77	1	0.03	0.1	38	77	98	184	10.1	372	0.5	0.57	2006	0.5	0.005	39	310	3	264	0.5	30	4	2.5	3618	404	5	63
11321	815630	9406531	2165	0.003	0.25	100001	3	5	169	1	0.03	0.7	60	52	66	267	10.9	338	41	1.32	2016	0.5	0.005	33	367	7	91	0.5	49	9	2.5	6578	323	5	125
11322	815590	9406498	2149	0.003	0.25	100001	6	5	128	1	0.03	0.1	36	49	140	216	10.5	457	0.5	1.04	1309	0.5	0.005	54	525	3	188	0.5	29	8	2.5	7546	431	5	160
11323	815576	9406449	2140	0.003	0.25	100001	9	5	167	1	0.04	0.9	72	84	234	198	14.6	392	29	0.84	2526	0.5	0.01	94	621	2	190	3	89	3	2.5	4350	461	5	107
11324	815597	9406405	2137	0.003	0.25	93559	3	5	65	1	0.08	0.8	20	21	237	158	13.3	631	0.5	0.82	755	0.5	0.005	41	464	11	337	2	38	14	2.5	6050	397	5	74
11325	815629	9406367	2139	0.008	0.25	100001	3	5	153	2	0.01	0.7	54	61	246	239	14.5	236	0.5	0.41	1962	0.5	0.005	105	705	2	348	0.5	73	2	2.5	6900	500	5	102
11326	815647	9406320	2137	0.011	0.25	100001	12	5	12	1	0.03	0.6	10	0.5	30	62	9.92	297	0.5	0.07	60	0.5	0.005	0.5	276	14	1039	0.5	35	2	5	4312	380	5	16
11327	816272	9405728	1943	0.01	0.25	100001	9	5	324	1	0.04	0.6	59	90	133	257	13.7	2766	23	0.88	2063	0.5	0.005	46	130	4	94	3	76	8	2.5	5312	422	5	123
11328	816263	9405777	1960	0.003	0.25	100001	3	5	356	1	0.1	0.8	56	79	114	189	13.9	456	24	0.76	2530	0.5	0.005	39	260	4	213	3	67	21	2.5	7066	306	5	138
11329	816268	9405831	1989	0.003	0.25	100001	6	5	174	1	0.04	0.6	31	35	123	217	11.5	304	0.5	0.61	919	0.5	0.005	43	391	4	196	0.5	61	12	2.5	6177	311	5	97
11330	816249	9405878	2003	0.003	0.25	100001	17	5	57	1	0.06	0.1	37	7	195	133	10.9	360	0.5	0.17	336	0.5	0.005	25	212	20	1481	4	36	6	5	5346	323	5	35
11331	816269	9405927	2020	0.008	0.25	100001	14	5	77	1	0.05	0.7	52	21	171	164	12.3	842	0.5	0.43	642	0.5	0.005	33	273	14	750	0.5	49	7	2.5	4960	397	5	62
11332	816281	9405976	2032	0.003	0.25	100001	16	5	23	1	0.08	0.1	46	5	209	93	9.92	441	0.5	0.27	212	0.5	0.02	12	180	13	2145	0.5	53	2	2.5	5244	305	5	32
11333	816299	9406025	2040	0.003	0.25	100001	3	5	194	1	0.08	0.8	49	43	173	226	11.5	675	23	0.68	1380	0.5	0.01	73	418	7	208	0.5	48	12	2.5	5341	354	5	106
11334	816306	9406080	2056	0.003	0.25	100001	7	5	171	1	0.15	0.6	41	25	243	198	10.2	509	0.5	0.52	520	0.5	0.01	62	478	9	410	0.5	45	33	2.5	4584	404	5	80
11335	816308	9406132	2075	0.006	0.25	100001	3	5	248	1	0.09	0.6	49	45	198	251	13.2	994	0.5	0.79	1497	0.5	0.01	63	532	9	317	0.5	57	8	2.5	5765	436	5	99
11336	816321	9406182	2099	0.013	0.25	100001	7	5	163	1	0.03	0.7	59	64	170	223	12.6	2359	23	1.1	2373	0.5	0.01	39	562	6	148	2	84	5	2.5	6472	335	5	116

Figure 33 Soil assays provided by GMN, 7 of 12

Sample_ID	East	North	Elev	Au	Ag	Al	As	B	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Te	Ti	V	W	Zn
11337	816313	9406235	2121	0.003	0.25	100001	14	5	7	1	0.22	0.7	10	3	123	105	11.1	527	0.5	0.33	135	0.5	0.04	3	392	9	1296	2	53	5	2.5	2971	344	5	25
11338	816323	9406287	2140	0.003	0.25	99963	8	5	8	1	0.04	0.6	22	3	76	69	12.7	364	0.5	0.08	144	0.5	0.01	0.5	310	18	1131	0.5	28	3	2.5	5036	459	5	17
11339	816325	9406338	2154	0.003	0.25	100001	6	5	86	1	0.02	0.8	59	21	264	141	11.3	278	0.5	0.3	759	0.5	0.005	51	299	11	457	0.5	73	5	2.5	6462	382	5	71
11340	816331	9406395	2173	0.003	0.25	100001	15	5	8	1	0.29	0.1	10	0.5	127	55	5.87	575	0.5	0.26	119	2	0.05	3	387	13	1569	0.5	34	7	2.5	3416	283	5	22
11341	816317	9406444	2191	0.006	0.25	100001	7	11	91	1	0.11	0.6	27	5	116	194	17.2	452	0.5	0.31	383	1	0.005	24	230	14	361	0.5	28	20	2.5	6084	524	5	57
11342	816295	9406490	2203	0.003	0.25	100001	10	5	21	1	0.23	0.1	10	0.5	125	63	3.67	466	0.5	0.19	68	1	0.03	7	403	14	644	0.5	38	13	2.5	3861	220	5	18
11343	816262	9406531	2214	0.003	0.25	100001	7	5	7	1	0.16	0.1	25	0.5	61	53	10.2	466	0.5	0.15	124	0.5	0.02	0.5	273	11	1303	0.5	45	5	2.5	4782	364	5	19
11344	816262	9406584	2223	0.003	0.25	100001	7	5	424	1	0.06	0.1	33	5	149	314	10.8	562	0.5	0.15	374	0.5	0.005	149	385	13	354	0.5	34	4	2.5	6124	336	5	56
11345	816251	9406638	2225	0.003	0.25	85998	3	5	10	1	0.15	0.1	21	7	48	84	7.93	337	0.5	0.15	545	0.5	0.03	0.5	146	20	1372	0.5	30	5	2.5	5529	296	5	21
11346	816230	9406684	2229	0.003	0.25	100001	8	5	224	1	0.05	0.1	91	48	283	270	13	783	0.5	0.57	1438	0.5	0.005	86	477	6	419	0.5	69	4	2.5	7162	406	5	135
11347	816214	9406732	2222	0.003	0.25	100001	3	5	164	1	0.04	0.1	47	14	67	293	11.8	977	0.5	0.41	510	0.5	0.005	20	218	10	318	0.5	29	9	2.5	5122	411	5	83
11348	816206	9406770	2220	0.003	0.25	92772	3	5	287	1	0.05	0.1	43	18	79	336	9.54	1498	0.5	0.6	547	0.5	0.005	37	120	7	363	0.5	41	5	2.5	4676	271	5	89
11349	816172	9407116	2263	0.003	0.25	67470	6	5	53	1	0.06	0.1	10	4	99	86	4.38	726	0.5	0.09	62	0.5	0.005	42	181	13	175	0.5	14	11	2.5	1136	191	5	53
11350	816164	9407066	2270	0.003	0.25	67240	7	5	56	1	0.01	0.1	40	14	127	124	9.77	738	0.5	0.19	416	0.5	0.005	67	440	11	209	0.5	23	5	2.5	1607	276	5	75
11351	816136	9407015	2259	0.008	0.25	100001	7	12	192	1	0.06	0.1	34	24	132	214	8.79	766	0.5	0.09	1012	5	0.005	110	355	39	573	0.5	21	17	2.5	6137	327	5	40
11352	816118	9406968	2246	0.018	0.25	87738	16	5	113	1	0.06	0.1	48	39	138	114	7.85	1359	0.5	0.86	962	0.5	0.01	173	424	11	142	0.5	23	7	2.5	2193	227	5	148
11353	816095	9406922	2233	0.003	0.25	86523	11	5	77	1	0.05	0.1	99	41	125	155	9.85	1001	0.5	1.07	1766	0.5	0.02	94	589	8	121	0.5	49	8	2.5	2972	305	5	103
11354	816077	9406868	2229	0.015	0.5	100001	6	5	112	1	0.05	0.1	85	17	257	205	11.4	487	0.5	0.54	529	0.5	0.005	67	314	6	339	0.5	57	3	2.5	5303	402	5	84
11355	816054	9406827	2221	0.003	0.25	87708	7	5	288	1	0.04	0.1	77	19	55	250	9.61	1525	33	0.9	1283	0.5	0.005	11	197	12	80	0.5	35	15	2.5	4408	408	5	120
11356	816030	9406797	2213	0.003	0.25	100001	6	5	205	1	0.05	0.1	45	44	224	222	13.3	527	0.5	0.69	1698	1	0.005	60	377	7	256	0.5	42	6	2.5	4913	349	5	73
11357	815992	9406763	2201	0.003	0.25	100001	6	5	309	1	0.05	0.1	78	56	297	250	14	274	0.5	0.74	2051	0.5	0.005	104	984	5	458	0.5	71	4	2.5	5000	469	5	107
11358	815947	9406726	2181	0.003	0.25	100001	9	5	72	1	0.09	0.1	24	2	162	214	16.5	415	0.5	0.29	213	0.5	0.01	32	292	23	896	0.5	31	9	2.5	6066	586	5	54
11359	815933	9406679	2169	0.007	0.25	100001	12	5	161	1	0.1	0.1	69	42	294	300	14	394	0.5	0.83	1626	0.5	0.005	96	932	5	648	0.5	59	6	2.5	8204	539	5	139
11360	815923	9406629	2154	0.012	0.25	100001	7	5	140	1	0.07	0.1	32	12	258	224	15.7	492	0.5	0.59	658	0.5	0.005	53	429	8	518	0.5	45	9	2.5	7255	528	5	76
11361	815921	9406587	2144	0.003	0.25	100001	6	5	299	1	0.04	0.1	75	52	180	246	12.4	330	0.5	0.75	2118	0.5	0.005	126	429	3	126	0.5	69	8	2.5	5484	300	5	112
11362	815931	9406539	2128	0.003	0.25	100001	3	5	104	1	0.03	0.1	67	46	322	190	13.1	295	0.5	0.75	2257	0.5	0.005	75	638	0.5	181	0.5	63	5	2.5	7426	391	5	107
11363	815951	9406488	2107	0.013	0.25	100001	11	5	205	1	0.04	0.1	39	28	265	289	11.1	495	0.5	0.74	658	0.5	0.005	104	659	8	312	0.5	55	6	2.5	6528	489	5	110
11364	815935	9406429	2090	0.003	0.25	100001	7	5	294	1	0.07	0.1	66	49	184	242	12.9	734	0.5	0.96	2022	0.5	0.005	89	925	4	386	0.5	50	13	2.5	6921	450	5	121
11365	816162	9406827	2226	0.003	0.25	100001	6	5	107	1	0.04	0.8	87	78	286	200	19	315	0.5	0.65	3466	0.5	0.005	113	640	5	490	0.5	82	6	2.5	8415	534	5	119
11366	816136	9406873	2242	0.021	0.25	89230	7	5	94	1	0.05	0.1	58	34	150	129	8.89	1606	29	1.22	1152	0.5	0.02	92	320	6	162	0.5	35	8	2.5	2671	259	5	127
11367	816142	9406922	2257	0.003	0.25	72924	8	5	91	1	0.01	0.1	39	21	113	94	7.63	1263	0.5	0.35	723	0.5	0.01	73	346	10	133	0.5	41	4	2.5	1771	248	5	67
11368	816149	9406970	2276	0.022	0.25	100001	10	5	61	1	0.02	0.1	28	5	104	106	11.2	747	0.5	0.32	178	0.5	0.005	49	307	17	554	0.5	29	6	2.5	3457	411	5	67
11369	816203	9406995	2288	0.003	0.25	85758	9	5	17	1	0.01	0.1	24	2	65	100	12.3	556	0.5	0.13	120	1	0.005	18	336	15	1068	0.5	24	3	2.5	4198	475	5	33
11370	816242	9407026	2315	0.019	0.25	68571	10	5	29	1	0.005	0.1	10	0.5	91	79	10	606	0.5	0.1	97	0.5	0.005	34	228	13	247	0.5	14	5	2.5	1411	285	5	45
11371	817445	9406853	2308	0.041	0.25	59592	12	5	25	1	0.005	0.1	10	0.5	152	50	8.28	881	0.5	0.06	76	0.5	0.005	48	428	12	95	0.5	27	3	2.5	718	270	5	26
11372	817449	9406920	2304	0.003	0.25	87267	7	5	362	1	0.005	0.1	10	2	230	102	11.5	778	0.5	0.1	116	1	0.005	82	219	17	188	0.5	30	5	2.5	3884	330	5	52
11373	817460	9406956	2290	0.008	0.25	96244	9	5	21	1	0.38	0.1	10	3	81	48	2.71	566	0.5	0.58	142	0.5	0.07	16	577	9	495	0.5	12	9	2.5	2446	123	5	50
11374	817460	9406999	2285	0.003	0.25	97508	6	5	9	1	0.31	0.1	10	2	78	35	1.49	417	0.5	0.47	121	0.5	0.06	9	666	7	679	0.5	14	7	2.5	1849	86	5	37
11375	817457	9407051	2280	0.003	0.25	83749	7	5	18	1	0.42	0.1	10	3	75	33	1.97	627	0.5	0.59	155	0.5	0.08	11	824	4	472	0.5	10	11	2.5	2216	88	5	45
11376	817471	9407103	2277	0.003	0.25	100001	12	5	14	1	0.27	0.1	10	1	99	64	2.77	586	0.5	0.44	116	0.5	0.05	10	543	17	738	0.5	17	6	2.5	2590	139	5	35
11377	817492	9407149	2277	0.006	0.25	97968	10	5	422	1	0.03	0.1	10	0.5	95	126	9.63	1551	0.5	0.14	52	1	0.01	132	230	12	94	0.5	27	8	2.5	3127	338	5	43
11378	817497	9407199	2278	0.003	0.25	100001	10	5	379	1	0.02	0.1	10	2	178	254	13.4	492	0.5	0.16	144	1	0.005	91	378	15	381	0.5	24	13	2.5	5072	293	5	67
11379	817481	9407248	2276	0.003	0.25	100001	12	5	16	1	0.5	0.1	10	2	99	69	3.33	588	0.5	0.59	174	0.5	0.1	16	338	6	479	0.5	32	13	2.5	2703	189	5	38
11380	817474	9407300	2273	0.007	0.25	100001	9	5	12	1	0.2	0.1	21	0.5	134	75	7.28	451	0.5	0.31	124	0.5	0.04	7	273	23	1037	0.5	37	6	2.5	3312	185	5	25
11381	817475	9407348	2275	0.003	0.25	54666	3	5	39	1	0.03	0.1	10	0.5	112	38	5.02	1143	0.5	0.13	103	0.5	0.01	31	68	3	58	0.5	11	6	2.5	651	220	5	33
11382	817492	9407403	2272	0.003	0.25	56219	5	5	49	1	0.005	0.1	34	5	126	68	8.06	819	0.5	0.13	370	0.5	0.005	61	337	12	180	0.5	13	5	2.5	880	203	5	47
11383	817509	9407453	2272	0.003	0.5	100001	10	5	7	1	0.16	0.1	10	0.5	140	43	4.25	349	0.5	0.21	66	0.5	0.03	4	427	9	870	0.5	37	6	2.5	4455	242	5	16
11384	817545	9407486	2264	0.01	0.25	63441	12	5	54	1	0.01	0.1	10	1	105	79	8.46	1350	0.5	0.23	216	0.5	0.01	34	271	9	102	0.5	14	7	2.5	924	241	5	52

Figure 34 Soil assays provided by GMN, 8 of 12

Sample_ID	East	North	Elev	Au	Ag	Al	As	B	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Te	Ti	V	W	Zn
11385	817576	9407536	2266	0.003	0.25	57075	5	5	37	1	0.005	0.1	10	0.5	110	77	12.3	873	0.5	0.15	182	0.5	0.005	29	186	7	130	0.5	16	4	2.5	854	246	5	40
11386	817616	9407567	2266	0.003	0.25	55459	8	5	39	1	0.005	0.1	10	1	169	73	9.34	845	0.5	0.14	205	0.5	0.005	40	350	7	143	0.5	19	5	2.5	1038	245	5	37
11387	817686	9407543	2250	0.007	0.25	100001	11	5	5	1	0.24	0.1	10	0.5	136	50	10.3	425	0.5	0.27	114	2	0.05	2	378	11	1229	0.5	42	6	2.5	3578	233	5	22
11388	817739	9407538	2244	0.003	0.25	78692	11	5	42	1	0.005	0.1	10	5	107	156	10.9	587	0.5	0.21	189	0.5	0.005	44	245	12	342	0.5	15	6	2.5	1811	282	5	74
11389	817780	9407532	2227	0.003	0.25	100001	6	5	109	1	0.02	0.1	54	39	115	152	13	250	0.5	0.49	1535	0.5	0.005	61	817	1	189	0.5	46	20	2.5	3950	456	5	127
11390	817663	9407588	2254	0.007	0.25	67481	8	5	56	1	0.01	0.1	10	4	81	104	10.5	594	0.5	0.15	148	0.5	0.005	39	282	10	279	0.5	12	8	2.5	1588	273	5	50
11391	817693	9407629	2246	0.003	0.25	100001	7	5	36	1	0.06	0.1	10	6	77	141	4.12	997	0.5	0.19	84	0.5	0.02	30	248	10	345	0.5	19	5	2.5	1700	171	5	59
11392	817744	9407657	2237	0.003	0.25	77730	3	5	251	1	0.005	0.1	90	107	49	79	6.47	790	0.5	0.2	4344	0.5	0.005	40	270	13	166	0.5	24	3	2.5	1572	141	5	59
11393	817789	9407626	2228	0.003	0.25	54564	6	5	20	1	0.03	0.1	10	1	104	96	10.5	1551	0.5	0.38	101	0.5	0.005	5	926	3	349	0.5	24	6	2.5	484	366	5	27
11394	817839	9407623	2215	0.003	0.25	58832	3	5	32	1	0.02	0.1	60	17	97	115	9.43	460	0.5	0.22	796	0.5	0.005	16	924	4	164	0.5	28	2	2.5	222	345	5	57
11395	817877	9407657	2193	0.003	0.25	92225	5	5	63	1	0.05	0.1	10	4	75	152	2.05	352	0.5	0.16	39	0.5	0.005	33	165	12	136	0.5	22	16	2.5	2875	247	5	49
11396	816762	9408119	2250	0.003	0.25	100001	6	5	5	1	0.33	0.1	10	0.5	121	33	1.94	408	0.5	0.31	81	2	0.05	3	479	8	466	0.5	18	8	2.5	3460	179	5	16
11397	816721	9408091	2235	0.003	0.25	73247	6	5	249	1	0.05	0.1	10	0.5	99	167	3.73	914	0.5	0.11	28	0.5	0.005	87	160	19	118	0.5	11	7	2.5	2994	258	5	37
11398	816687	9408051	2260	0.003	0.25	100001	7	5	403	1	0.04	0.1	10	0.5	123	169	13.9	499	0.5	0.06	65	0.5	0.005	69	359	17	249	0.5	22	10	2.5	5660	397	5	41
11399	816646	9408013	2260	0.003	0.25	66492	3	5	51	1	0.06	0.1	10	2	64	57	4.6	1131	0.5	0.15	113	0.5	0.005	36	82	5	94	0.5	9	10	2.5	933	213	5	43
11400	816615	9407974	2277	0.006	0.25	35526	6	5	25	1	0.06	0.1	10	0.5	39	21	7.09	599	0.5	0.08	72	0.5	0.005	8	114	9	160	0.5	4	9	2.5	761	277	5	20
11401	816557	9407962	2281	0.003	0.25	32420	3	5	28	1	0.1	0.1	10	0.5	59	16	4.79	973	0.5	0.11	92	0.5	0.01	11	115	8	74	0.5	6	8	2.5	383	190	5	26
11402	816507	9407952	2282	0.155	0.25	57224	3	5	36	1	0.06	0.1	10	0.5	87	108	9.16	796	0.5	0.09	84	0.5	0.005	18	236	9	185	0.5	11	10	2.5	848	191	5	37
11403	816455	9407959	2291	0.003	0.25	25944	3	5	18	1	0.04	0.1	10	0.5	65	18	5.21	609	0.5	0.08	77	0.5	0.005	6	83	8	69	0.5	4	5	2.5	278	127	5	25
11404	816404	9407964	2292	0.003	0.25	100001	3	5	626	1	0.04	0.1	10	16	96	164	1.95	601	0.5	0.08	29	0.5	0.005	71	374	16	219	0.5	24	5	2.5	2276	242	5	106
11405	816356	9407967	2295	0.003	0.25	45488	3	5	33	1	0.06	0.1	10	0.5	58	38	4.52	894	0.5	0.1	71	0.5	0.01	12	94	14	78	0.5	5	8	2.5	906	209	5	32
11406	816319	9407934	2291	0.003	0.25	44705	3	5	31	1	0.1	0.1	10	0.5	76	41	8.09	1047	0.5	0.15	132	0.5	0.01	25	163	6	80	0.5	6	13	2.5	659	191	5	42
11407	816266	9407922	2299	0.003	0.25	41501	9	5	34	1	0.03	0.1	75	2	90	59	6.21	1273	0.5	0.16	165	0.5	0.005	38	318	12	75	0.5	12	7	2.5	423	163	5	54
11408	816240	9407879	2292	0.012	0.25	49537	7	5	29	1	0.08	0.1	10	0.5	151	49	8.47	833	0.5	0.1	109	0.5	0.005	34	260	9	141	0.5	13	9	2.5	730	231	5	32
11409	816195	9407843	2294	0.003	0.25	54743	22	5	31	1	0.05	0.1	10	0.5	177	54	8.25	1142	0.5	0.09	131	0.5	0.005	35	494	15	108	0.5	17	6	2.5	725	244	5	31
11410	816144	9407828	2294	0.003	0.25	53495	12	5	35	1	0.02	0.1	10	0.5	166	54	9.02	1212	0.5	0.06	77	0.5	0.005	27	457	8	107	0.5	22	6	2.5	711	215	5	25
11411	816095	9407828	2298	0.003	0.25	100001	6	5	338	1	0.02	0.1	10	1	107	167	3.77	1383	0.5	0.12	27	0.5	0.005	105	176	17	184	0.5	16	11	2.5	2457	267	5	51
11412	816046	9407832	2306	0.003	0.25	48361	3	5	33	1	0.02	0.1	10	0.5	92	21	5.71	1147	0.5	0.05	66	0.5	0.005	13	182	11	95	0.5	7	12	2.5	678	279	5	19
11413	815998	9407812	2315	0.003	0.25	92603	3	5	247	1	0.06	0.1	10	6	131	175	2.63	1383	0.5	0.32	64	0.5	0.01	109	499	17	114	0.5	14	10	2.5	2427	222	5	81
11414	815954	9407784	2316	0.003	0.25	93108	3	5	285	1	0.06	0.1	10	5	110	126	2.94	1401	0.5	0.19	40	0.5	0.01	87	179	14	56	0.5	17	13	2.5	1839	270	5	66
11415	815919	9407748	2314	0.003	0.25	100001	7	5	721	1	0.09	0.1	10	3	117	148	1.82	529	0.5	0.06	46	0.5	0.01	76	234	18	127	0.5	19	7	2.5	2599	198	5	46
11416	815892	9407706	2317	0.003	0.25	54166	5	5	44	1	0.03	0.1	10	0.5	56	63	5.24	675	0.5	0.06	67	1	0.01	11	165	8	261	0.5	7	10	2.5	1699	314	5	21
11417	815852	9407672	2322	0.003	0.25	44573	27	5	37	1	0.06	0.1	10	0.5	287	37	10.8	1502	0.5	0.04	122	0.5	0.01	22	233	4	75	0.5	20	8	2.5	546	243	5	27
11418	815802	9407656	2323	0.003	0.25	100001	10	5	97	1	0.19	0.1	10	0.5	198	157	2.99	729	0.5	0.34	70	0.5	0.03	73	1755	15	500	0.5	33	16	2.5	4734	258	5	47
11419	815753	9407672	2324	0.003	0.25	100001	3	5	8	1	0.36	0.1	10	0.5	122	42	1.63	424	0.5	0.38	116	1	0.06	8	606	14	528	0.5	27	7	2.5	3479	162	5	26
11420	815704	9407648	2325	0.003	0.25	100001	11	5	10	1	0.25	0.1	10	0.5	119	43	2.95	444	0.5	0.28	88	1	0.05	6	544	15	667	0.5	36	7	2.5	3529	169	5	19
11421	815663	9407620	2322	0.003	0.25	95311	9	5	31	1	0.28	0.1	10	1	73	50	2.07	756	0.5	0.42	123	2	0.05	8	619	20	371	0.5	14	7	2.5	2655	123	5	35
11422	815628	9407577	2328	0.01	0.25	98515	7	5	13	1	0.36	0.1	10	2	78	47	2.4	498	0.5	0.43	134	0.5	0.06	8	603	8	424	0.5	18	8	2.5	2590	151	5	32
11423	817212	9406552	2317	0.016	0.25	96251	6	5	15	1	0.45	0.1	10	2	73	59	2.55	609	0.5	0.58	154	2	0.07	12	515	8	554	0.5	12	10	2.5	2737	119	5	41
11424	817167	9406516	2308	0.003	0.25	88357	3	5	31	1	0.09	0.1	10	6	194	105	4.39	460	0.5	0.19	120	0.5	0.02	39	133	12	178	0.5	29	11	2.5	2545	393	5	59
11425	817121	9406485	2303	0.007	0.25	84130	3	5	33	1	0.08	0.1	10	5	122	103	7.12	385	0.5	0.18	91	0.5	0.01	25	202	12	387	0.5	19	11	2.5	3338	400	5	55
11426	817081	9406455	2300	0.003	0.25	100001	3	5	22	1	0.07	0.1	10	3	309	59	4.97	402	0.5	0.27	114	0.5	0.02	61	106	12	95	0.5	39	9	2.5	2209	379	5	37
11427	817062	9406408	2300	0.007	0.25	96632	3	5	25	1	0.02	0.1	30	7	457	164	5.75	640	0.5	0.55	191	0.5	0.02	40	171	5	92	0.5	49	5	2.5	3387	515	5	54
11428	817025	9406367	2301	0.003	0.25	96094	7	5	12	1	0.02	0.1	10	4	158	200	17.6	302	0.5	0.28	151	1	0.01	41	321	6	304	0.5	40	5	2.5	2062	354	5	60
11429	816984	9406333	2303	0.003	0.25	100001	3	5	17	1	0.005	0.1	28	10	178	122	6.35	311	0.5	0.3	164	0.5	0.02	48	189	8	146	0.5	28	4	2.5	2482	379	5	69
11430	816934	9406319	2301	0.014	0.25	100001	8	5	23	1	0.02	0.1	39	20	127	195	15.8	400	0.5	0.41	482	1	0.005	24	275	16	775	0.5	42	3	2.5	6346	534	5	67
11431	816905	9406363	2286	0.013	0.5	100001	5	5	35	1	0.03	0.6	31	4	147	135	16.5	461	0.5	0.45	370	1	0.01	26	502	12	856	0.5	27	3	2.5	6498	519	5	55
11432	816902	9406414	2275	0.013	0.25	100001	11	5	342	1	0.1	0.1	91	48	106	211	10.5	367	0.5	1.24	2304	0.5	0.01	46	799	5	239	0.5	51	41	2.5	5363	354	5	108

Figure 35 Soil assays provided by GMN, 9 of 12

Sample_ID	East	North	Elev	Au	Ag	Al	As	B	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Te	Ti	V	W	Zn
11433	816903	9406467	2254	0.014	0.5	100001	6	5	124	1	0.03	0.1	68	56	271	210	14.2	351	0.5	1.23	1925	0.5	0.005	123	835	8	389	0.5	50	10	2.5	8082	491	5	127
11434	816875	9406518	2224	0.017	0.25	100001	5	5	104	1	0.02	0.1	69	21	185	212	15	631	0.5	0.47	698	1	0.005	50	650	12	1289	0.5	46	5	2.5	6966	517	5	78
11435	816832	9406544	2218	0.007	0.25	100001	7	5	64	1	0.02	0.1	41	8	103	209	15.9	499	0.5	0.25	393	1	0.005	18	483	16	951	0.5	35	7	2.5	6771	557	5	53
11436	816782	9406551	2211	0.008	0.25	100001	7	5	6	1	0.18	0.1	23	0.5	110	34	3.63	422	0.5	0.22	81	0.5	0.03	1	451	11	867	0.5	46	5	2.5	2769	153	5	14
11437	816739	9406520	2195	0.006	0.6	100001	19	5	14	1	0.18	0.1	10	0.5	168	84	9.54	574	0.5	0.43	183	2	0.03	11	382	29	1239	0.5	24	5	2.5	4107	338	5	35
11438	816715	9406476	2179	0.008	0.25	100001	3	5	91	1	0.01	0.1	20	14	101	159	8.76	902	0.5	0.77	213	0.5	0.005	28	239	7	174	0.5	23	10	2.5	3880	348	5	73
11439	816720	9406426	2165	0.015	0.25	100001	3	5	226	1	0.12	0.1	36	24	227	237	10.1	905	0.5	0.73	324	0.5	0.005	66	531	6	136	0.5	45	13	2.5	5215	468	5	95
11440	816739	9406373	2168	0.003	0.25	79593	3	5	226	1	0.58	0.1	47	36	86	176	8.85	1371	0.5	1.57	1624	1	0.02	47	750	4	245	0.5	20	139	2.5	4842	299	5	91
11441	816753	9406313	2165	0.008	0.25	68536	3	5	159	1	0.63	0.1	36	33	78	157	7.87	1372	0.5	1.49	1632	0.5	0.02	44	1093	3	298	0.5	15	181	2.5	4321	261	5	95
11442	816771	9406266	2172	0.007	0.25	68440	3	5	135	1	0.57	0.1	33	29	70	147	7.79	1093	0.5	1.47	1155	0.5	0.02	42	631	1	398	0.5	15	189	2.5	4213	265	5	73
11443	816799	9406225	2194	0.003	0.5	75439	3	5	194	1	0.16	0.1	29	24	52	151	8.26	807	0.5	0.72	844	0.5	0.02	27	647	5	543	0.5	14	56	2.5	4635	271	5	73
11444	816771	9406178	2159	0.006	0.25	65368	3	5	147	1	0.78	0.1	44	33	74	151	8.03	679	0.5	1.91	1529	0.5	0.05	54	1016	3	230	0.5	18	181	2.5	4261	289	5	94
11445	816744	9406139	2130	0.009	0.25	98431	3	5	210	1	0.46	0.1	52	34	107	213	11.1	855	0.5	0.92	1604	0.5	0.02	42	971	5	549	0.5	30	149	2.5	5901	395	5	93
11446	816717	9406091	2106	0.003	0.25	85061	6	5	218	1	0.61	0.1	48	38	92	192	9.68	1536	0.5	1.41	1627	0.5	0.02	51	809	3	233	0.5	27	193	2.5	5178	337	5	98
11447	816684	9406056	2091	0.003	0.25	86609	3	5	315	1	0.33	0.1	73	59	263	220	12.5	734	23	1.17	2162	0.5	0.01	77	769	5	74	0.5	56	78	2.5	6814	418	5	132
11448	816655	9406015	2074	0.009	0.25	96654	3	5	302	1	0.19	0.1	54	75	378	224	12.7	552	0.5	1.86	2022	0.5	0.02	195	1109	5	152	0.5	61	41	2.5	7152	410	5	162
11449	816628	9405967	2038	0.012	0.5	100001	14	5	142	1	0.05	0.1	49	30	150	197	12.4	660	0.5	0.49	1187	2	0.005	47	787	11	831	0.5	36	21	2.5	6113	408	5	78
11450	816587	9405945	2013	0.003	0.5	100001	7	5	156	1	0.04	0.5	65	45	203	209	13.3	1219	0.5	0.94	1118	0.5	0.005	60	681	7	326	0.5	50	6	2.5	7266	423	5	109
11451	816556	9405903	1993	0.003	0.25	100001	10	5	128	1	0.05	0.1	70	33	147	218	12.7	890	0.5	0.64	849	0.5	0.005	44	642	10	369	0.5	42	13	2.5	6148	417	5	97
11452	816531	9405860	1976	0.014	0.25	100001	8	5	228	1	0.05	0.1	68	43	117	267	11.9	1187	0.5	0.99	1664	0.5	0.005	51	405	5	259	0.5	41	10	2.5	6399	365	5	135
11453	816506	9405813	1962	0.003	0.25	98930	3	5	316	1	0.18	0.7	58	54	93	175	12.9	4071	22	0.8	1181	0.5	0.005	36	325	4	125	0.5	52	53	2.5	6978	415	5	121
11454	816478	9405770	1955	0.003	0.25	100001	7	5	445	1	0.06	0.1	61	46	137	209	11.2	1337	27	1.05	1567	0.5	0.01	67	571	5	130	0.5	48	10	2.5	5433	405	5	121
11461	815444	9407617	2298	0.003	0.25	44078	3	5	27	1	0.06	0.1	10	0.5	78	21	3.06	1254	0.5	0.08	107	0.5	0.005	15	70	5	25	0.5	8	10	2.5	980	163	5	21
11462	815389	9407608	2289	0.003	0.25	38323	3	5	46	1	0.02	0.1	10	0.5	93	26	7.28	1966	0.5	0.08	49	0.5	0.02	12	140	7	77	0.5	9	7	2.5	205	133	5	26
11463	815340	9407601	2282	0.003	0.25	68055	16	5	68	1	0.005	0.1	46	14	108	82	9.03	650	0.5	0.13	374	0.5	0.005	114	507	20	134	3	21	4	2.5	985	234	5	65
11464	815290	9407623	2279	0.003	0.25	100001	11	5	6	1	0.17	0.1	10	0.5	140	48	7.63	423	0.5	0.21	89	2	0.04	2	321	6	964	0.5	34	6	2.5	3688	388	5	17
11465	815238	9407622	2283	0.003	0.25	96874	6	5	57	1	0.005	0.6	23	1	54	141	17.2	237	0.5	0.18	225	0.5	0.005	29	353	5	116	0.5	28	16	2.5	3785	400	5	47
11466	815200	9407592	2279	0.003	0.25	100001	8	5	91	1	0.005	0.5	47	9	158	237	14	279	27	0.26	298	0.5	0.005	34	488	7	324	0.5	34	15	2.5	4602	460	5	69
11467	815176	9407549	2273	0.02	0.25	100001	3	5	104	1	0.05	0.7	25	23	582	321	18.4	285	0.5	0.12	1443	2	0.01	67	1083	9	236	0.5	88	13	2.5	9886	640	5	134
11468	815180	9407500	2263	0.003	0.25	95448	3	5	120	1	0.08	0.1	10	5	97	187	7.43	491	0.5	0.12	95	0.5	0.01	55	199	8	203	0.5	18	19	2.5	2508	216	5	36
11469	815141	9407546	2269	0.003	0.25	93254	7	5	54	1	0.005	0.6	23	2	62	153	14.5	507	0.5	0.13	228	0.5	0.005	8	284	16	637	2	26	9	2.5	3351	524	5	34
11470	815087	9407550	2253	0.003	0.25	100001	3	5	70	1	0.04	0.6	41	22	177	195	12.4	360	0.5	0.45	990	0.5	0.005	58	677	7	370	3	43	9	2.5	4886	426	5	80
11471	815034	9407552	2230	0.003	0.25	98213	10	5	32	3	0.01	0.6	27	1	37	143	14	403	0.5	0.15	211	1	0.005	8	478	15	1518	0.5	34	3	2.5	5450	504	5	33
11472	815954	9407358	2340	0.003	0.25	49488	3	5	45	1	0.01	0.1	10	0.5	37	15	1.01	1790	0.5	0.05	38	0.5	0.01	19	48	9	25	0.5	5	6	2.5	354	97	5	19
11473	815975	9407399	2333	0.003	0.25	55588	18	5	43	1	0.02	0.1	10	0.5	253	36	8.69	1365	0.5	0.05	65	0.5	0.01	31	265	13	86	0.5	14	12	2.5	694	244	5	21
11474	815992	9407448	2322	0.006	0.25	81110	7	5	46	1	0.02	0.1	10	2	124	109	4.99	951	0.5	0.08	62	0.5	0.01	48	204	14	158	2	17	6	2.5	1162	269	5	55
11475	815252	9407493	2308	0.003	0.25	68905	3	5	71	1	0.005	0.1	10	0.5	99	57	1.35	1776	0.5	0.08	60	0.5	0.01	46	62	23	25	0.5	12	7	2.5	931	121	5	26
11476	816032	9407539	2303	0.003	0.25	89119	5	5	19	1	0.31	0.1	10	2	67	39	1.94	602	0.5	0.39	106	1	0.05	8	585	18	375	0.5	12	12	2.5	1909	105	5	29
11477	815574	9407475	2319	0.003	0.25	100001	6	5	9	1	0.15	0.1	10	0.5	88	37	0.96	301	0.5	0.23	66	1	0.03	6	382	17	482	0.5	18	4	2.5	2296	123	5	18
11478	815522	9407468	2316	0.003	0.25	41604	3	5	42	1	0.02	0.1	10	0.5	31	8	1.95	1692	0.5	0.06	52	0.5	0.01	8	51	7	25	0.5	3	7	2.5	259	53	5	14
11479	815471	9407468	2312	0.007	0.25	49211	8	5	20	1	0.01	0.1	10	0.5	226	36	9.29	827	0.5	0.06	78	0.5	0.005	33	198	14	112	0.5	10	5	2.5	1243	295	5	25
11480	815443	9407424	2311	0.008	0.25	58294	6	5	36	1	0.03	0.1	10	0.5	126	40	5.56	1139	0.5	0.1	82	0.5	0.01	35	192	7	70	2	16	7	2.5	673	220	5	29
11481	815396	9407450	2306	0.007	0.25	100001	8	5	7	1	0.17	0.1	29	0.5	145	63	8.31	350	0.5	0.24	152	2	0.03	6	461	6	1856	5	43	6	2.5	3837	234	5	23
11482	815343	9407449	2294	0.008	0.25	90681	5	5	97	1	0.05	0.6	60	33	113	133	12.1	927	0.5	0.5	1393	0.5	0.005	39	380	5	230	5	31	9	2.5	5145	412	5	107
11483	815304	9407419	2284	0.008	0.25	100001	9	5	22	1	0.09	0.1	10	0.5	108	90	8.53	330	0.5	0.19	98	0.5	0.02	9	277	14	1355	2	34	5	2.5	3366	259	5	24
11484	815252	9407405	2277	0.013	0.25	100001	3	5	269	1	0.01	0.5	91	36	158	402	11.7	1570	34	0.25	1050	0.5	0.005	69	1043	2	159	0.5	66	24	2.5	7781	554	5	141
11485	815217	9407370	2268	0.003	0.25	73181	3	5	20	1	0.09	0.1	38	6	40	81	9.37	433	0.5	0.28	331	0.5	0.01	4	209	5	141	0.5	18	8	2.5	2716	249	5	40
11486	815187	9407330	2257	0.003	0.25	100001	3	5	227	3	0.03	0.1	52	19	80	251	10.5	324	23	0.5	793	0.5	0.005	41	320	5	257	4	34	20	2.5	5571	209	5	123

Figure 36 Soil assays provided by GMN, 10 of 12

Sample_ID	East	North	Elev	Au	Ag	Al	As	B	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Te	Ti	V	W	Zn
11487	815154	9407289	2229	0.009	0.25	100001	6	5	263	1	0.01	0.1	21	14	133	191	10.8	712	0.5	0.31	331	0.5	0.005	43	194	9	304	3	35	11	2.5	4799	332	5	73
11488	815133	9407245	2209	0.01	0.25	100001	3	5	137	1	0.06	0.1	10	13	96	169	5.97	672	0.5	0.39	118	0.5	0.005	32	313	12	251	0.5	20	18	2.5	6298	372	5	78
11489	815089	9407220	2181	0.009	0.25	94972	3	5	228	1	0.07	0.1	47	33	92	202	10.2	2138	0.5	0.73	948	0.5	0.01	35	438	4	208	0.5	30	42	2.5	4593	442	5	112
11490	815061	9407181	2153	0.008	0.25	100001	9	5	139	2	0.12	0.1	48	19	102	206	12.8	1142	0.5	0.34	564	0.5	0.02	21	540	10	892	3	41	28	2.5	6186	477	5	71
11491	815032	9407141	2135	0.007	0.25	100001	3	5	180	1	0.02	0.1	49	36	178	199	11.6	312	0.5	0.44	1023	0.5	0.005	51	453	7	372	0.5	28	11	2.5	5714	412	5	88
11492	814995	9407103	2112	0.006	0.25	100001	6	5	229	1	0.1	0.1	80	55	121	214	11.5	513	0.5	0.55	1630	0.5	0.02	52	687	2	350	3	62	18	2.5	5985	386	5	111
11493	816658	9407506	2258	0.043	0.25	50333	3	5	62	1	0.02	0.1	10	3	64	78	1.12	803	0.5	0.09	50	0.5	0.005	40	208	13	89	0.5	13	4	2.5	1220	118	5	43
11494	816666	9407556	2266	0.007	0.25	84539	14	5	33	1	0.02	0.1	10	2	58	132	10.7	884	0.5	0.19	121	1	0.01	23	397	13	544	3	22	5	2.5	2636	358	5	52
11495	816645	9407603	2281	0.007	0.25	53071	5	5	37	1	0.005	0.1	10	5	258	49	9.02	1269	0.5	0.15	234	0.5	0.005	66	487	15	98	0.5	28	3	2.5	1119	212	5	37
11496	816677	9407634	2288	0.008	0.25	47741	6	5	36	1	0.01	0.1	10	0.5	130	43	7.59	1633	0.5	0.06	49	0.5	0.01	28	449	14	84	0.5	20	5	2.5	329	217	5	23
11497	816692	9407682	2283	0.003	0.25	49107	3	5	26	1	0.01	0.1	10	0.5	65	45	2.75	976	0.5	0.09	93	0.5	0.005	29	88	10	110	0.5	6	5	2.5	986	106	5	21
11498	816699	9407730	2275	0.003	0.25	68342	3	5	57	1	0.03	0.1	10	0.5	98	70	2.73	1100	0.5	0.11	79	1	0.02	31	180	23	159	0.5	9	8	2.5	2735	200	5	27
11499	816680	9407780	2270	0.003	0.25	49253	3	5	40	1	0.03	0.1		2	69	54	1.9	799	0.5	0.16	96	0.5	0.01	34	146	15	117	0.5	6	7	2.5	935	112	5	31
11500	816665	9407828	2264	0.003	0.25	100001	11	5	73	1	0.17	0.1	10	5	105	133	3.16	462	0.5	0.25	85	2	0.03	39	547	20	579	0.5	27	13	2.5	2588	180	5	66
11514	816861	9408104	2231	0.003	0.25	100001	6	5	18	3	0.1	0.1	10	0.5	107	71	3.23	283	0.5	0.18	45	2	0.02	9	441	17	647	0.5	27	8	2.5	3236	246	5	19
11515	816888	9408060	2240	0.003	0.25	100001	6	5	663	1	0.01	0.1	10	6	252	222	4.74	793	0.5	0.1	35	0.5	0.01	188	249	21	113	0.5	21	3	2.5	4602	338	5	50
11516	816927	9408020	2249	0.003	0.25	39687	9	5	40	1	0.01	0.1	47	12	156	54	7.03	911	0.5	0.1	487	0.5	0.005	53	527	13	77	0.5	25	6	2.5	506	164	5	28
11517	816956	9407976	2257	0.003	0.25	51803	3	5	33	1	0.005	0.1	10	3	37	74	3.34	714	0.5	0.06	54	0.5	0.005	17	138	10	155	2	10	6	2.5	1155	178	5	52
11518	816993	9407938	2269	0.007	0.25	33824	10	5	28	1	0.01	0.1	10	0.5	104	47	6.3	882	0.5	0.04	221	0.5	0.005	22	287	14	70	0.5	13	5	2.5	427	156	5	28
11519	816985	9407891	2275	0.003	0.25	50376	7	5	38	1	0.03	0.1	10	0.5	142	43	8.93	1233	0.5	0.05	54	0.5	0.01	32	212	5	113	0.5	14	7	2.5	564	193	5	19
11520	816970	9407845	2277	0.04	0.25	45925	27	5	35	1	0.01	0.1	10	0.5	142	40	10.1	1130	0.5	0.06	63	0.5	0.01	15	187	7	128	2	10	7	2.5	887	256	5	24
11521	816944	9407801	2282	0.009	0.25	49273	38	5	30	1	0.02	0.1	10	0.5	175	35	8.6	1118	0.5	0.05	105	0.5	0.005	29	290	12	106	0.5	19	6	2.5	607	213	5	26
11522	816948	9407753	2288	0.003	0.25	43806	3	5	35	1	0.005	0.1	10	0.5	141	33	3.82	1449	0.5	0.07	62	0.5	0.01	30	168	15	64	0.5	9	6	2.5	452	183	5	25
11529	815748	9407721	2313	0.003	0.25	100001	10	5	6	1	0.26	0.1	10	0.5	118	36	1.55	491	0.5	0.33	91	1	0.05	5	516	14	779	5	22	7	2.5	3231	167	5	19
11530	815757	9407773	2309	0.003	0.25	37622	3	5	31	1	0.03	0.1	10	0.5	76	19	4.37	1372	0.5	0.05	57	0.5	0.01	8	54	4	53	0.5	5	7	2.5	277	142	5	16
11531	815778	9407819	2305	0.003	0.25	48289	7	5	28	1	0.005	0.1	10	0.5	91	23	7.28	1178	0.5	0.05	53	0.5	0.005	17	342	11	76	2	21	6	2.5	461	164	5	25
11532	815776	9407869	2297	0.003	0.25	70142	10	5	50	1	0.005	0.1	21	1	215	73	13.5	743	0.5	0.08	112	0.5	0.005	52	789	26	265	0.5	40	8	2.5	1009	268	5	32
11533	815787	9407922	2288	0.008	0.25	53734	3	5	35	1	0.005	0.1	10	2	60	74	2.41	925	0.5	0.09	70	0.5	0.005	32	98	15	68	0.5	11	5	2.5	752	144	5	29
11534	815790	9407973	2287	0.003	0.25	50907	32	5	41	1	0.005	0.1	10	0.5	125	52	7.75	1464	0.5	0.08	113	0.5	0.01	32	525	13	79	0.5	24	5	2.5	618	219	5	29
11535	815800	9408022	2276	0.003	0.25	84827	13	5	51	1	0.005	0.1	10	0.5	134	97	8.93	537	0.5	0.13	82	0.5	0.005	64	434	10	103	0.5	26	7	2.5	2250	364	5	37
11536	815932	9408104	2261	0.003	0.25	72126	7	5	110	1	0.04	0.1	10	10	92	99	1.83	1216	0.5	0.15	63	0.5	0.01	49	396	17	145	2	15	9	2.5	1915	180	5	88
11537	815932	9408054	2275	0.003	0.25	100001	6	5	148	1	0.19	0.1	10	5	118	82	2.45	433	0.5	0.3	80	2	0.04	27	868	19	416	2	22	9	2.5	2955	181	5	48
11538	815928	9408010	2279	0.008	0.25	99990	12	5	22	1	0.32	0.1	10	1	119	73	3.82	517	0.5	0.43	133	1	0.06	15	533	11	435	0.5	32	8	2.5	3035	174	5	32
11539	815901	9407964	2288	0.003	0.25	69755	16	5	41	1	0.03	0.1	10	4	217	87	12.8	846	0.5	0.1	217	0.5	0.005	78	952	17	139	0.5	50	8	2.5	1359	359	5	44
11540	815906	9407917	2300	0.003	0.25	57152	6	5	44	1	0.005	0.1	10	0.5	134	54	5.92	1102	0.5	0.06	71	0.5	0.005	50	369	14	64	0.5	17	14	2.5	492	219	5	31
11541	815932	9407875	2308	0.003	0.25	44463	3	5	34	1	0.005	0.1	10	0.5	154	36	8.56	1788	0.5	0.08	63	0.5	0.02	9	169	6	78	0.5	8	6	2.5	292	168	5	28
11542	815942	9407826	2316	0.003	0.25	36032	12	5	42	1	0.005	0.1	10	0.5	96	39	4.12	1814	0.5	0.05	58	0.5	0.01	16	218	9	56	0.5	11	10	2.5	185	188	5	22
11543	815530	9407123	2297	0.003	0.25	100001	8	5	26	1	0.15	0.1	21	0.5	122	101	1.73	438	0.5	0.26	74	1	0.03	20	272	20	390	0.5	38	4	2.5	3187	177	5	28
11544	815484	9407144	2295	0.003	0.25	100001	13	5	7	1	0.2	0.1	10	0.5	100	59	2.56	409	0.5	0.32	87	2	0.04	7	248	15	470	0.5	28	5	2.5	2928	246	5	24
11545	815434	9407159	2291	0.003	0.25	87641	3	5	63	1	0.02	0.1	10	4	58	137	4.61	1220	0.5	0.14	65	0.5	0.01	33	107	13	297	0.5	22	11	2.5	2377	248	5	51
11546	815390	9407135	2278	0.003	0.25	100001	3	5	14	3	0.17	0.1	10	0.5	87	42	1.35	559	0.5	0.23	62	1	0.04	9	425	12	488	4	21	6	2.5	2422	91	5	19
11547	815351	9407099	2271	0.003	0.25	92260	3	5	12	1	0.05	0.1	25	7	147	118	7.35	272	0.5	1.4	311	0.5	0.005	15	113	3	100	0.5	30	7	2.5	2389	229	5	53
11548	815308	9407068	2256	0.003	0.25	81245	5	5	14	1	0.02	0.6	10	12	168	107	15.3	434	0.5	0.83	395	0.5	0.005	19	441	9	402	0.5	22	3	2.5	3236	407	5	48
11549	815278	9407025	2239	0.009	0.25	100001	9	5	55	4	0.07	0.1	22	12	80	174	13.3	486	0.5	0.81	593	0.5	0.005	17	242	11	253	0.5	23	12	2.5	4990	371	5	60
11550	815253	9406982	2229	0.003	0.25	83824	3	5	118	1	0.05	0.1	73	32	50	226	9.13	371	0.5	1.03	1717	0.5	0.005	22	211	4	66	0.5	22	9	2.5	4669	219	5	85
11551	815210	9406958	2205	0.003	0.25	100001	9	5	96	1	0.02	0.6	52	27	144	229	13	652	0.5	0.64	977	0.5	0.01	51	400	8	481	0.5	29	14	2.5	6446	411	5	104
11552	815175	9406917	2177	0.003	0.25	100001	8	5	164	1	0.1	0.5	79	47	129	225	12.3	832	23	0.73	1379	0.5	0.01	50	504	7	563	2	58	10	2.5	6734	432	5	113
11553	815123	9406911	2150	0.003	0.25	100001	11	5	141	1	0.02	0.7	32	9	177	196	17.6	773	0.5	0.42	468	1	0.005	26	336	17	767	0.5	37	5	2.5	7066	603	5	65

Figure 37 Soil assays provided by GMN, 11 of 12

Sample_ID	East	North	Elev	Au	Ag	Al	As	B	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Te	Ti	V	W	Zn
11554	815076	9406892	2129	0.003	0.25	89708	3	5	139	1	0.03	0.5	72	39	72	191	11.4	1193	37	0.77	1880	0.5	0.005	32	338	3	98	0.5	44	4	2.5	6458	363	5	144
11555	815029	9406874	2110	0.003	0.25	94497	3	5	199	1	0.12	0.5	71	51	173	205	11.5	1045	27	1.06	1467	0.5	0.01	60	658	5	204	0.5	47	18	2.5	5801	339	5	125
11556	814977	9406872	2090	0.003	0.25	100001	3	5	246	1	0.06	0.1	61	50	145	196	11	794	0.5	0.66	1649	0.5	0.005	53	487	4	490	3	43	10	2.5	5000	359	5	118
11557	814937	9406842	2076	0.003	0.25	86650	3	5	71	1	0.08	0.7	10	7	98	145	16.9	716	0.5	0.62	444	0.5	0.005	13	196	16	318	0.5	21	9	2.5	6480	517	5	54
11654	817125	9407321	2290	0.006	0.25	47396	6	5	35	1	0.12	0.1	10	1	40	71	6.94	542	0.5	0.14	136	0.5	0.03	13	469	10	712	0.5	9	14	2.5	1522	247	5	25
11655	817125	9407321	2290	0.02	0.25	59763	7	5	44	1	0.07	0.1	23	2	124	75	8.75	1081	0.5	0.17	204	0.5	0.01	33	520	16	134	0.5	15	8	2.5	1113	219	5	33
11656	817125	9407321	2290	0.003	0.25	41402	6	5	53	1	0.02	0.1	81	33	62	82	5.67	1560	0.5	0.16	1169	0.5	0.005	34	538	19	53	0.5	17	13	2.5	581	156	5	35
11657	816031	9407309	2322	0.003	0.25	87968	10	5	60	1	0.12	0.1	10	1	93	61	3.53	1205	0.5	0.12	328	0.5	0.02	29	792	17	992	0.5	17	12	2.5	2370	201	5	25
11658	816031	9407309	2322	0.003	0.25	158200	3	5	504	4	0.07	0.1	30	2	108	165	3.7	1345	0.5	0.12	35	1	0.01	115	466	19	336	0.5	19	14	2.5	3241	262	5	54
11659	816031	9407309	2322	0.003	0.25	88676	9	5	338	1	0.05	0.1	37	9	120	109	2.76	3118	0.5	0.61	130	0.5	0.02	112	559	17	108	0.5	28	10	2.5	1836	254	5	90
11709	816509	9407954	2282	0.006	0.25	74560	6	5	28	1	0.06	0.1	10	0.5	58	65	9.38	510	0.5	0.09	89	2	0.01	9	318	20	424	0.5	10	8	2.5	3599	427	5	27
11710	816509	9407954	2282	0.003	0.25	73520	6	5	35	1	0.04	0.1	10	0.5	73	79	8.38	928	0.5	0.1	94	2	0.01	17	289	16	262	0.5	14	7	2.5	1609	251	5	38
11711	816509	9407954	2282	0.003	0.25	68315	3	5	41	1	0.04	0.1	10	0.5	92	54	6.06	1971	0.5	0.15	112	0.5	0.02	36	352	11	58	0.5	14	7	2.5	695	163	5	53
11712	816722	9406439	2151	0.009	0.25	94851	5	5	432	1	0.37	0.8	96	27	154	202	6.36	2322	54	0.98	356	0.5	0.005	55	399	8	25	0.5	43	56	2.5	4295	350	5	141
11713	816722	9406439	2151	0.003	0.25	94296	3	5	358	1	0.39	0.8	150	94	203	234	6.77	1259	45	0.85	969	0.5	0.01	70	470	8	25	0.5	41	59	2.5	3710	318	5	147
11714	816722	9406439	2151	0.003	0.25	84357	3	5	64	1	0.79	1.2	20	54	154	79	9.69	1819	0.5	1.39	912	0.5	0.005	17	334	10	25	0.5	31	77	2.5	1956	269	5	72

Figure 38 Soil assays provided by GMN, 12 of 12

6 References

Levett, J. and Logan, K., 1998 Geophysics of the Porgera gold mine, Papua New Guinea. Exploration Geophysics 1998.

Dekker, F.ER. and Faulks, I.G., 1964. BMR Record 1964/137

Workshop 10 Smooth Model Inversion. Paine J. 23 Scientific Computing.

7 JORC Code, 2012 Edition – Table 1 report

7.1 Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
Sampling techniques	• *Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.* • *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.* • *Aspects of the determination of mineralisation that are Material to the Public Report.* • *In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.*	• The data used were not collected by Allender Exploration (AE) or Gold Mountain (GMN). • No drilling, logging or sampling was conducted as part of this release • Geophysical data (magnetic data) was sourced from the PNG mineral Resources Authority (MRA). The data were collected by MRA and processed to grid level • The data were resampled to a w series of grid lines
Drilling techniques	• *Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).*	• No drilling, logging or sampling was conducted as part of this release.
Drill sample recovery	• *Method of recording and assessing core and chip sample recoveries and results assessed.* • *Measures taken to maximise sample recovery and ensure representative nature of the samples.* • *Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.*	• No drilling, logging or sampling was conducted as part of this release
Logging	• *Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.* • *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.* • *The total length and percentage of the relevant intersections logged.*	• No drilling, logging or sampling was conducted as part of this release
Sub-sampling techniques and sample preparation	• *If core, whether cut or sawn and whether quarter, half or all core taken.* • *If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.* • *For all sample types, the nature, quality and appropriateness of the sample preparation*	• No drilling, logging or sampling was conducted as part of this release

Criteria	JORC Code explanation	Commentary
	technique. • *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.* • *Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.* • *Whether sample sizes are appropriate to the grain size of the material being sampled.*	
Quality of assay data and laboratory tests	• *The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.* • *For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.* • *Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.*	• No drilling, logging or sampling was conducted as part of this release • Information on type and accuracy of the location data is not available. It has been assumed that the locational data for these ten surveys are correct. • No filed report was made available by MRA • MRA made the following corrections - All location data was collected in WGS84, Zone 54. - Diurnal corrections were made using bases in Guam and Longreach Australia -Magnetic data were gridded, resampled onto a series of straight lines and made available as an ASCII data set which was used for gridding and subsequent processing • Elevation data used was Global Land Survey Digital Elevation Model (GLSDEM) data • Magnetic inversion modelling was undertaken
Verification of sampling and assaying	• *The verification of significant intersections by either independent or alternative company personnel.* • *The use of twinned holes.* • *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.* • *Discuss any adjustment to assay data.*	• No drilling, logging or sampling was conducted as part of this release
Location of data points	• *Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.* • *Specification of the grid system used.* • *Quality and adequacy of topographic control.*	• The data used were not collected by AE or GMN • Elevation data used was Global Land Survey Digital Elevation Model (GLSDEM) data • All location data was collected in WGS84, Zone 54 • Data were provided by MRA and information on the accuracy of the location data is not available. It has been assumed that the locational data for the survey are correct.
Data spacing and distribution	• *Data spacing for reporting of Exploration Results.* • *Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation*	• Magnetic data were recorded on lines approximately 200 metres apart with a nominal spacing of 10 metres. The overall spacing of the magnetic readings is considered more than adequate for

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Criteria	JORC Code explanation	Commentary
	procedure(s) and classifications applied. • *Whether sample compositing has been applied.*	first pass surveying with the area having sufficient detail to allow for structural interpretation and targeting. • The magnetic grids are all at 200metre line spacing and this is adequate for exploration for shallow and deep targets.
Orientation of data in relation to geological structure	• *Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.* • *If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.*	• The use of regular spaced grids eliminated the potential bias that could be caused by the use of irregular grids.
Sample security	• *The measures taken to ensure sample security.*	• No drilling, logging or sampling was conducted as part of this release
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• Data were provided by MRA and information on the accuracy of the location data is not available. It has been assumed that the locational data for the survey are correct.

7.2 Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	• *Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.* • *The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.*	• Insert your commentary here…
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	•
Geology	• *Deposit type, geological setting and style of mineralisation.*	•
Drill hole Information	• *A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:* ○ *easting and northing of the drill hole collar* ○ *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar* ○ *dip and azimuth of the hole* ○ *down hole length and interception depth* ○ *hole length.* • *If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.*	• No drilling, logging or sampling was conducted as part of this release.
Data aggregation methods	• *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.*	• No drilling, logging or sampling was conducted as part of this release • No material information is

Criteria	JORC Code explanation	Commentary
	• *Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.* • *The assumptions used for any reporting of metal equivalent values should be clearly stated.*	excluded. • No intersections have been reported as part of this release.
Relationship between mineralisation widths and intercept lengths	• *These relationships are particularly important in the reporting of Exploration Results.* • *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.* • *If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').*	• No drilling, logging or sampling was conducted as part of this release • No material information is excluded. • No intersections have been reported as part of this release.
Diagrams	• *Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.*	• See attached plans for the magnetic coverage of the area, • Inversion modelling of potential drill targets has been produced using Scientific Computing's specialist software package designed specifically to produce 2D models from the geophysical data.
Balanced reporting	• *Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.*	• No drilling, sampling or assaying was conducted as part of this release, hence no reported intersections.
Other substantive exploration data	• *Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.*	• 4 geochemical surveys have been previously recorded. These are soils sampling, stream sediment sampling, rock chip sampling and trench sampling. An attachment showing the results of the stream sediment work is attached.
Further work	• *The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).* • *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	• Subject to GMN board approval, an Heli-mag survey is proposed. This will involve flying lines at 100 metre line spacing. The proposed areas are shown on the attached plans.

26 June 2016

J. F. Allender

Allender Exploration Pty Ltd

A.B.N. 16 073 391 081