ASX Announcement
28 May 2025

Extensive Lithium-Soil Anomaly Identified and Target Extended >1.4km at Igrejinha

HIGHLIGHTS

- **High-grade soil anomaly identified at Igrejinha, with surface sampling program confirming an expanded LCT trend with regional potential.**
- **New soil sampling results indicate a potential significant increase in the strike extent of the outcropping high-grade lithium-bearing pegmatite to over 1.4 km,** highlighting strong potential for further mineralisation along strike.
    - Building on previously reported rock chip grades **exceeding 7% Li_2O and 5.3% Cs_2O**[1]
    - Peak soil results of **577 ppm Li_2O, 168 ppm Cs & 1,029 ppm W**[2]
- **Strong geological correlation across multispectral, soil assays & field mapping:**
    - Multiple independent techniques provide a robust approach to identifying targets within the project areas, validating the exploration model and guiding ongoing targeting efforts.
    - The mineralised corridor remains open along strike, indicating further potential for extension (*see Figure 2*).
- **New significant lithium target identified at the SE Anomaly**
    - New anomaly identified from first pass sampling with **results exceeding 400 ppm Li_2O**, located 2.3 km southeast of the main Igrejinha pegmatite prospect (*See Figure 1*)
- **New target is located within a highly prospective corridor, bordered by Sigma Lithium and Lithium Ionic, this emerging target presents strong potential with additional exploration underway** (See Figure 3).
- **Maiden 1,500m RC drilling program scheduled for first week of June, with site preparations well advanced.**

Perpetual Resources Ltd ("Perpetual" or "the Company") (ASX: PEC) is pleased to report the identification of a **broad and coherent lithium-in-soil anomaly at its Igrejinha Project and the identification of a new South East (SE) Anomaly**, strategically located within Brazil's globally recognised Lithium Valley.

The Company recently completed a 220-sample soil and auger geochemical program across high-priority zones at Igrejinha, in advance of the maiden drill campaign scheduled for June. The sampling aimed to refine and prioritise drill targets, with a focus on areas surrounding previously mapped high-grade spodumene outcrops.

Commenting on the developments at Igrejinha, Exploration Manager, Allan Stephens, said:
"These latest results reinforce the scale and potential of the Igrejinha Project, with the LCT corridor now stretching over 1.4 km and remaining open along strike. A new lithium anomaly highlights regional upside, supported by high-grade lithium and caesium at an artisanal working. With maiden drilling starting early June, Perpetual is entering an exciting phase to unlock value at its flagship project."

[1] *See announcements on 19th February, 7th March and 24th April 2025 for full results.*
[2] *See Appendix A for full results.*

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The soil and auger program has generated valuable new geochemical data that enhances the existing geological model, which already integrates extensive field mapping, earlier soil and rock chip sampling, and hyperspectral analysis. The combined dataset significantly increases confidence in drill targeting and underpins a technically robust foundation for Perpetual's upcoming maiden drilling program at Igrejinha.

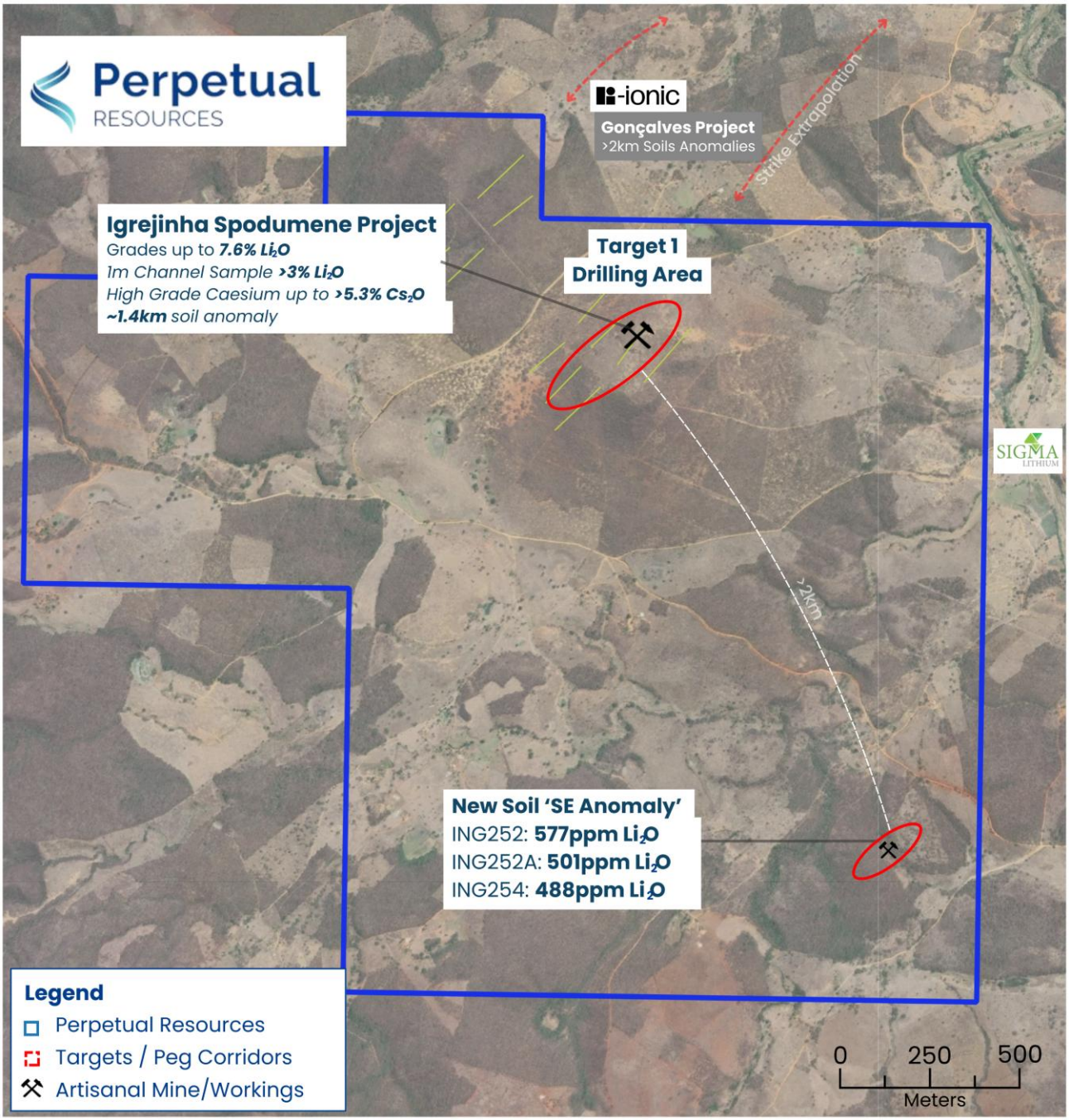

Figure 1 – Target 1 drilling area and newly defined SE soil anomaly on Licence 830851/2010, with full soil results provided in Appendix A. Target 1 grades previously reported please refer announcements on 19 Feb, 7 Mar and 24 Apr 2025.

Main (Target 1) Igrejinha Lithium Prospect

A recently completed geochemical program (~220 soil and auger samples) at Igrejinha has defined a broad lithium-in-soil anomaly, significantly extending the mineralised footprint beyond previously mapped high-grade spodumene outcrops.

The anomaly exhibits strong NE-SW geochemical continuity and is characterised by elevated concentrations of lithium and pathfinder elements (Li-Be-Cs-K-Tb-Tl) across a substantial area. It closely aligns with mapped oxidised remnant pegmatites, artisanal workings and interpreted structural controls. Collectively, the results provide compelling geochemical evidence for a potentially mineralised corridor extending over 1.4 km, which remains open along strike in both directions (see Figure 2).

Notably, the soil **assay results returned peak values of 577 ppm Li_2O, 168 ppm Cs, and 1,029 ppm W**, further reinforcing the project's potential to host high-grade lithium-bearing pegmatites. These assays complement previously reported (refer ASX announcements dated 19 February, 7 March and 24 April 2025) **rock chip samples exceeding 7% Li_2O and 5.3% Cs_2O**, with additional high-priority targets now emerging outside the current drill area.

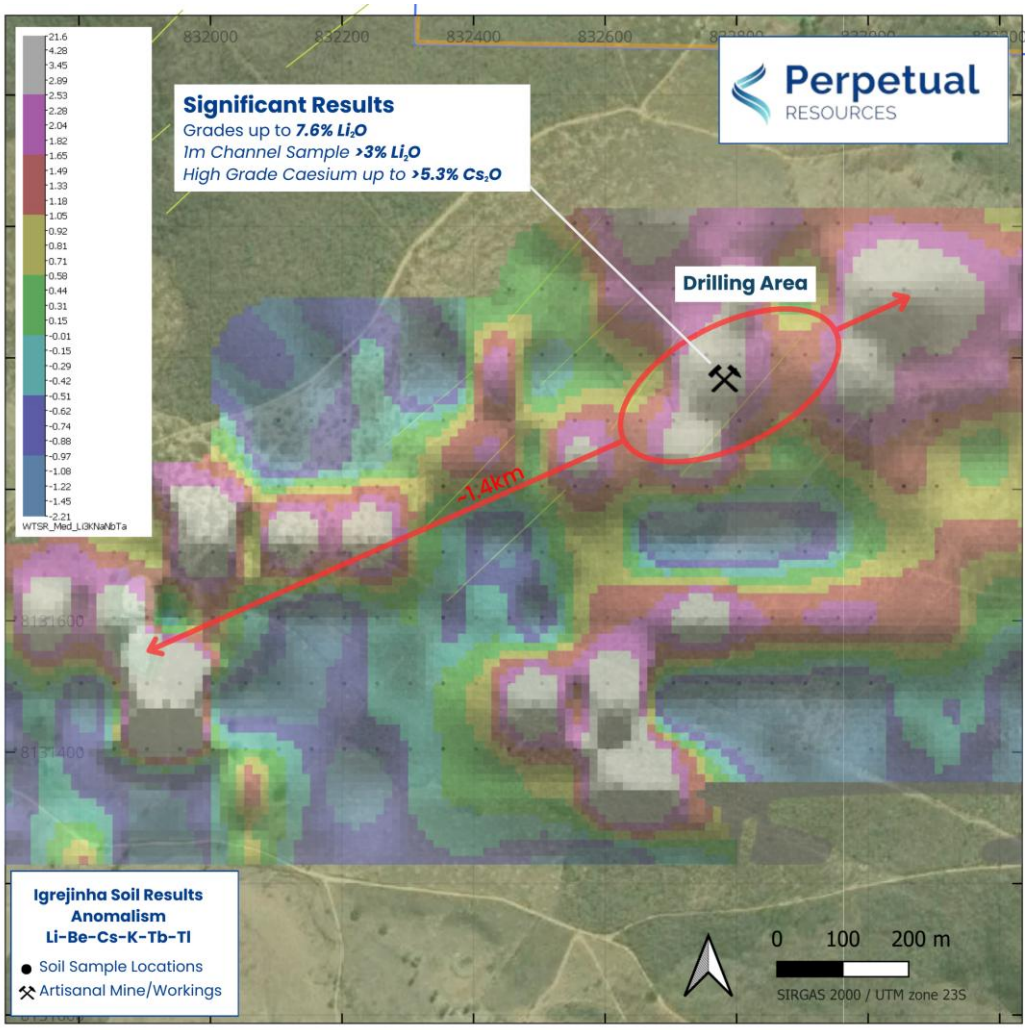

Figure 2 – Main soil anomaly at Target 1 of the Igrejinha Project. Soil assays geochemistry – median-levelled and weighted sum of Li-Be-Cs-K-Tb-Tl assays (Licence 830851/2010)[3]

[3] See Pages 7-8 for full suite of plots & Appendix A for results.

This expanded lithium footprint will directly inform the design and prioritisation of drill targets in the upcoming maiden drilling program, particularly those zones demonstrating coincident geochemical, spectral, and geological indicators of mineralisation.

New South-East (SE) Anomaly

A second lithium anomaly has now been delineated approximately 2.3 km southeast of the main (Target 1) Igrejinha pegmatite, where **multiple soil samples returned values exceeded 400 ppm Li_2O**. This newly defined 500m-long corridor (SE Anomaly) lies within a highly prospective area, with significant artisanal workings and bounded by Sigma Lithium to the east and Lithium Ionic to the south (see Figure 3).

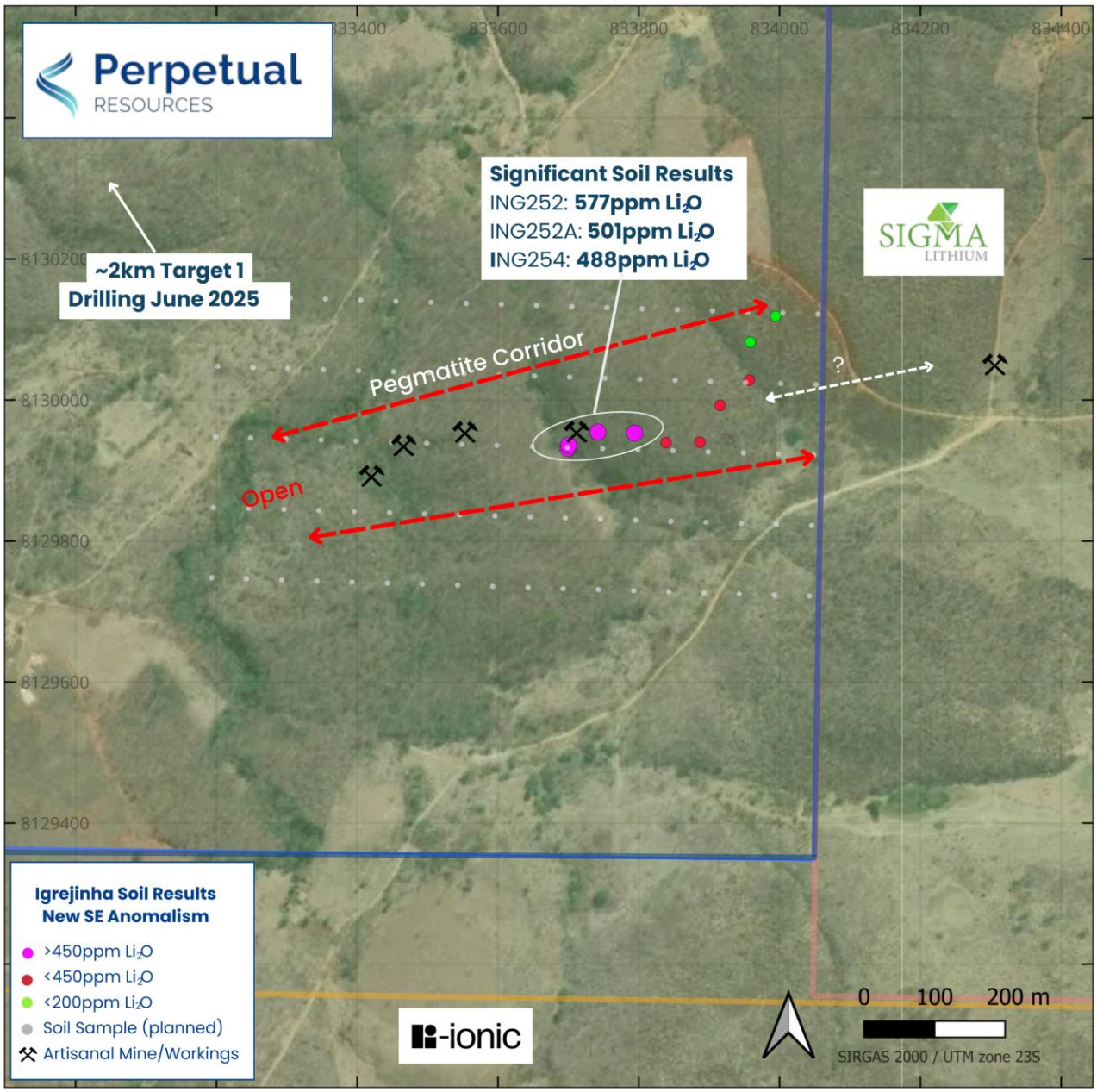

Figure 3 – Soil Geochemistry – New SE Anomaly Results and Trend (Licence 830851/2010)[4], with follow-up soil sampling planned following the drilling campaign.

[4] See Appendix A for full results.

Pre-Drill Activities Progressing Well at Igrejinha

Site preparation activities at the Igrejinha prospect are now well advanced, representing a key milestone in Perpetual's broader exploration program. All required land access agreements have been finalised, clearing the way for construction of access roads to support the upcoming drill rig mobilisation (see Figure 4). ServDrill Brazil, Perpetual's recently appointed drilling contractor, is preparing to mobilise drilling equipment in the near term, positioning Perpetual to commence its maiden 1,500m RC drilling campaign as scheduled, in early June.

Figure 4 – Access, Trenching and Drilling Preparation at Igrejinha Pegmatite (Licence 830851/2010), for prior results refer ASX announcements on 18th February, 7th March & 24th April 2025.

Figure 5: Perpetual exploration team with local landowners post signing of land access agreement (left), and Perpetual field vehicle on recently cleared drill rig access road at Igrejinha (right).

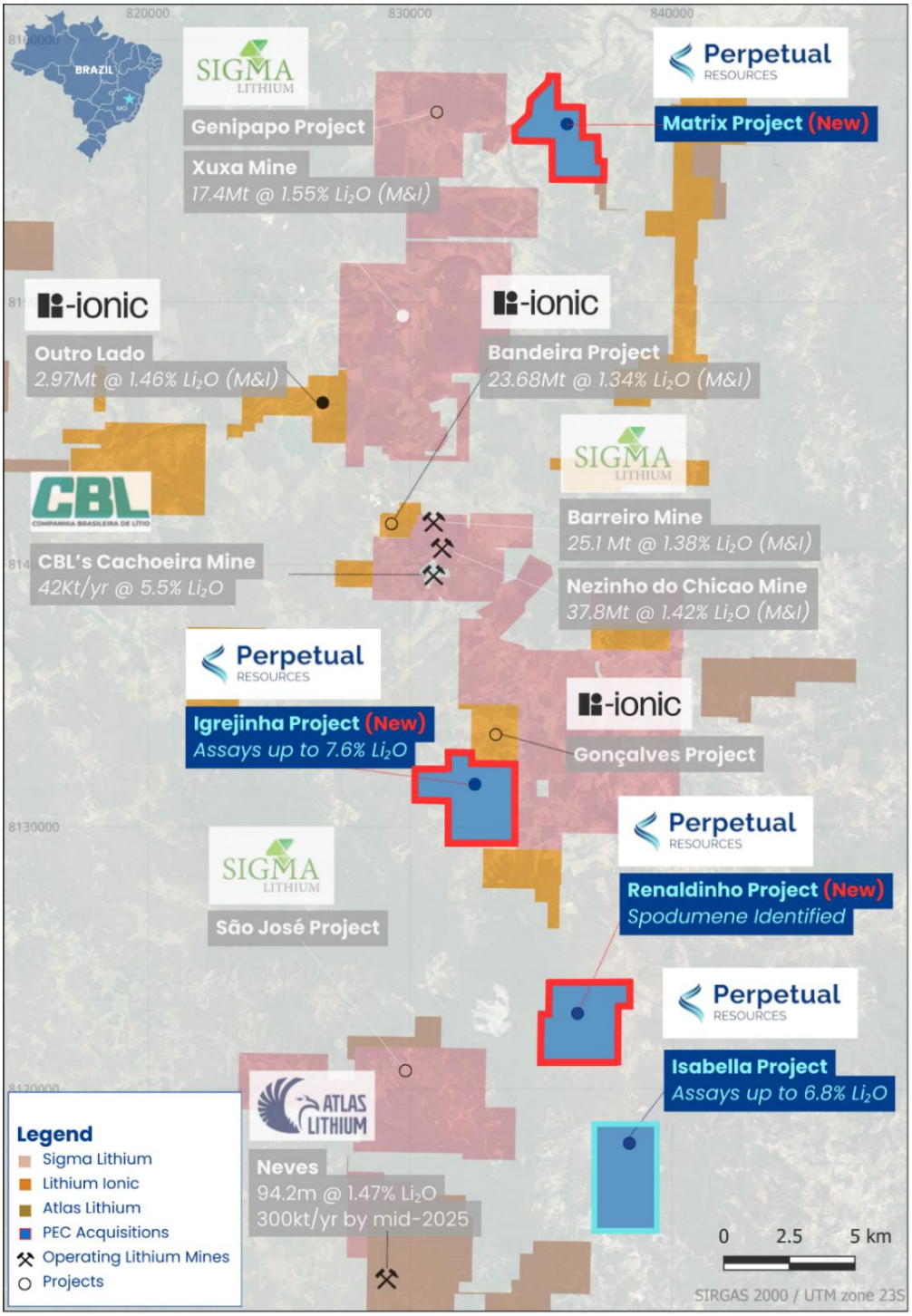

Figure 6 - Regional map showing Perpetual's newly acquired tenement areas (bold red outline) as well as Perpetual's existing Isabella Project (light blue outline), all located within Brazil's Lithium Valley[5][6][7][8][9].

[5] *Refer to CBL's website as of 22nd March 2024: https://www.cblitio.com.br/en/mining*
[6] *https://www.atlas-lithium.com/news/atlas-lithium-intersects-1-47-li2o-over-95-2-meters/*
[7] *Lithium Mines & Li Deposit points available from ANM Online Database: https://geo.anm.gov.br/portal*
[8] *For Perpetual's previously released Isabella Project results, please refer to ASX Announcement dated 18th December 2024 and for Igrejinha Project please refer to ASX Announcement dated 18th February, 7th March & 24th April 2025.*
[9] https://sigmalithiumresources.com/sigma-lithium-significantly-increased-audited-mineral-resource-by-27-to-109mt-grota-do-cirilo-in-brazil-becomes-worlds-4th-largest-operating-industrial-pre-chemical-lithium-beneficiation-mini/

Igrejinha Soil Sample Geochem Plots

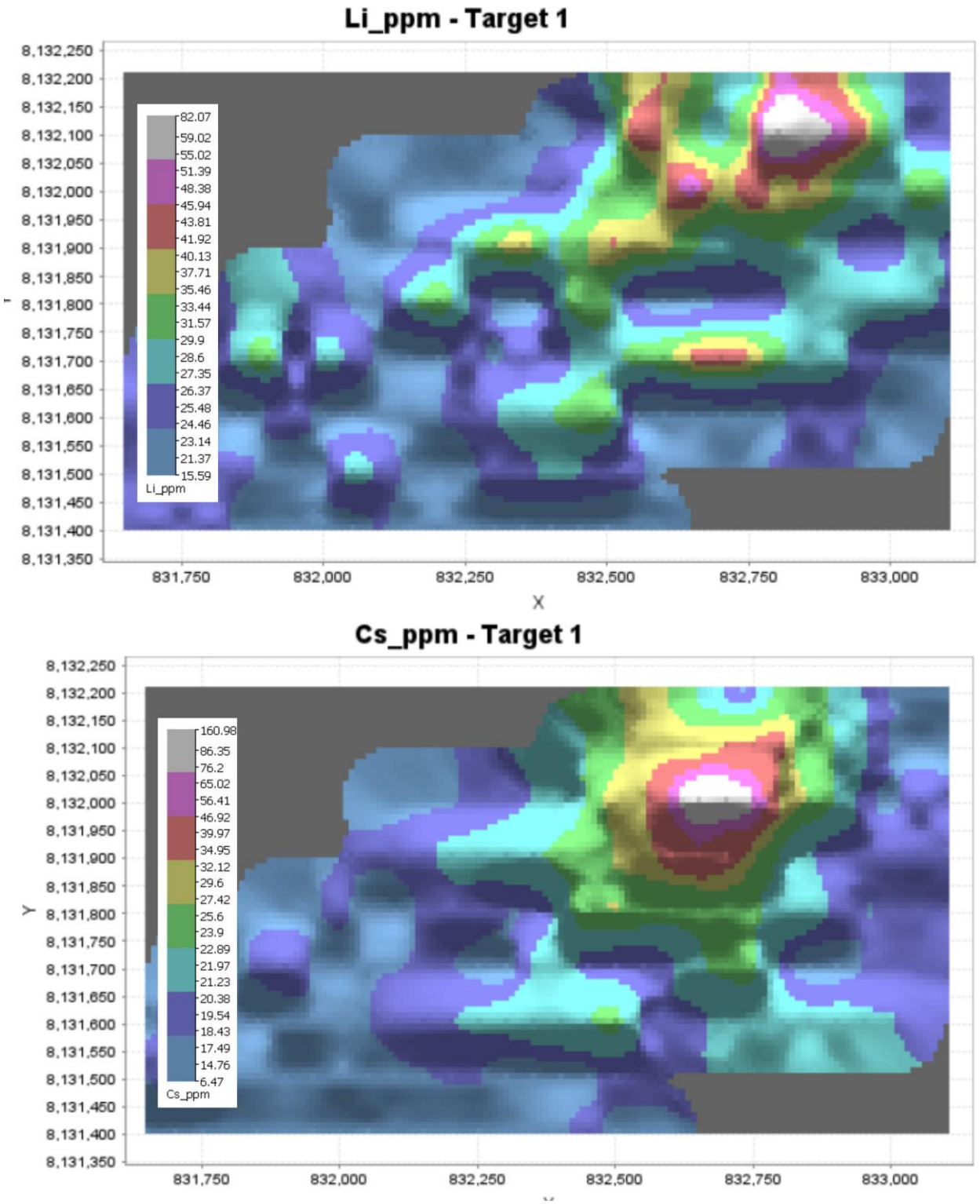

Figure 7 – IoGAS Plots of Soil Assay Results from Igrejinha (Licence 830851/2010)

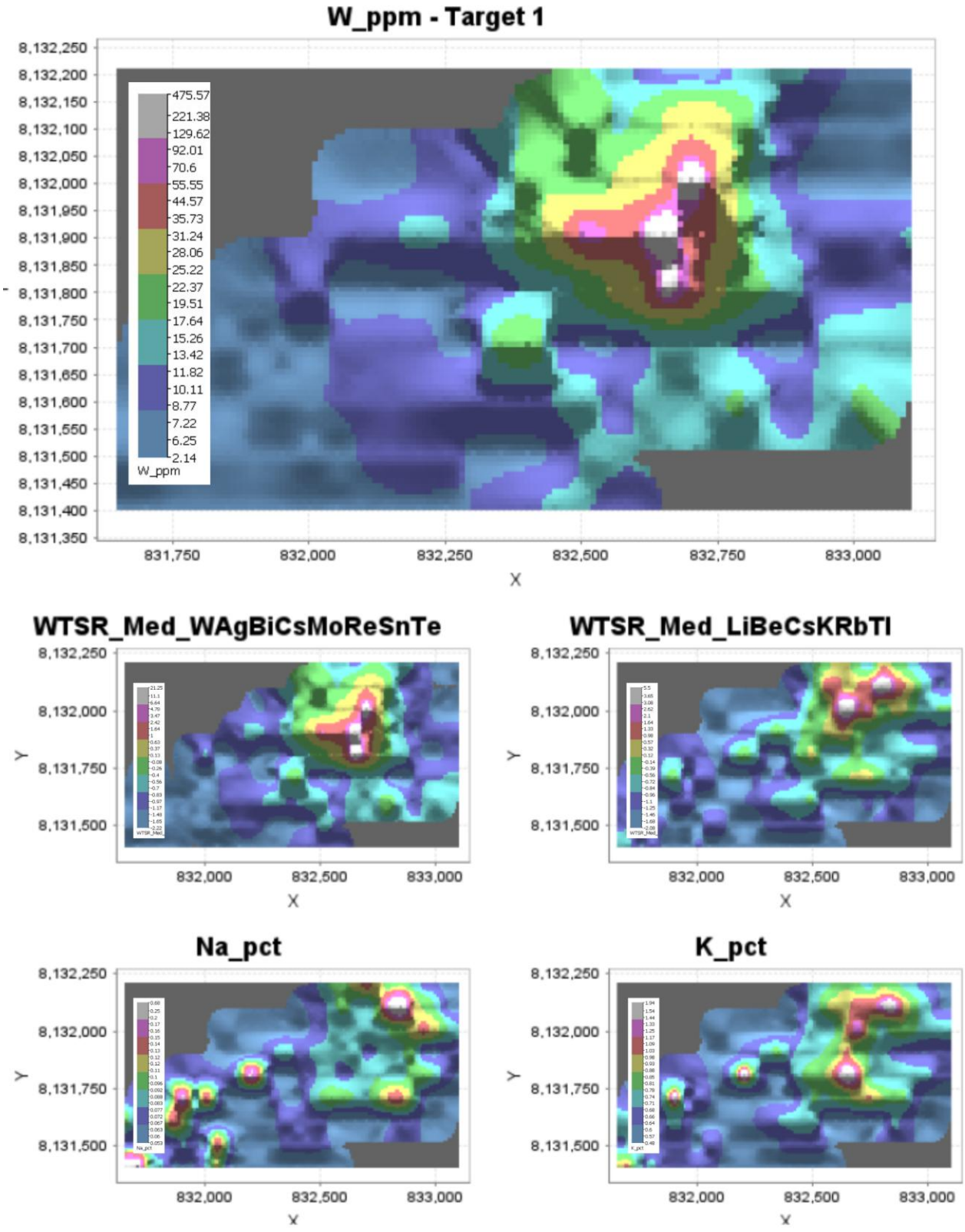

Figure 6 – Continued: IoGAS Plots of Soil Assay Results from Igrejinha (Licence 830851/2010)

This announcement has been approved for release by the Board of Perpetual.

- ENDS -

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About Perpetual Resources Limited

Perpetual Resources Limited (Perpetual) is an ASX listed company pursuing exploration and development of critical minerals essential to the fulfillment of global new energy requirements.

Perpetual is active in exploring for lithium and other critical minerals in the Minas Gerais region of Brazil, where it has secured approximately 12,000 hectares of highly prospective lithium exploration permits, within the pre-eminent lithium (spodumene) bearing region that has become known as Brazil's "Lithium Valley".

Perpetual also operates the Beharra Silica Sand development project, which is located 300km north of Perth and is 96km south of the port town of Geraldton in Western Australia.

Perpetual continues to review complementary acquisition opportunities to augment its growing portfolio of exploration and development projects consistent with its critical minerals focus.

COMPLIANCE STATEMENTS

Forward-looking statements

This announcement contains forward-looking statements which involve a number of risks and uncertainties. These forward-looking statements are expressed in good faith and believed to have a reasonable basis. These statements reflect current expectations, intentions or strategies regarding the future and assumptions based on currently available information. Should one or more of the risks or uncertainties materialise, or should underlying assumptions prove incorrect, actual results may vary from the expectations, intentions and strategies described in this announcement. No obligation is assumed to update forward looking statements if these beliefs, opinions and estimates should change or to reflect other future developments.

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Competent Person Statement

The information in this announcement that relates to Geological Data and Exploration Results is based on, and fairly represents, information and supporting documentation compiled by Mr Allan Harvey Stephens, who is an employee of Perpetual Resources Limited. Mr Stephens is a Member of both the Australasian Institute of Mining and Metallurgy (AusIMM) and the Australian Institute of Geoscientists (AIG), and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration, and to the activity being undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code). Mr Stephens consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.

Previous disclosure

This announcement contains references to prior exploration results, all of which have been cross-referenced to previous market announcements made by the Company. The Company confirms that it is not aware of any new information or data that materially affects the information included in the relevant market announcements, and that all material assumptions and technical parameters underpinning those results continue to apply and have not materially changed.

Appendix A –Assay Results

Coordinate Presented in SIRGUS 2000 23S

Sample ID	Easting	Northing	Ag ppm	Be ppm	Bi ppm	Ca %	Cs ppm	K %	Li ppm	Li2O ppm	Na ppm	Nb ppm	Rb ppm	Sn ppm	Ta ppm	Te ppm	Tl ppm	W ppm
ING001	833104	8132205	0.074	1.74	1.125	0.01	20.8	0.64	33.8	72.8	0.057	13.9	42.1	5.05	1.19	0.047	0.546	12.35
ING002	833054	8132205	0.06	1.84	1.135	0.02	20.1	0.69	36.3	78.2	0.067	14.4	46.8	4.85	1.235	0.049	0.496	11.55
ING003	833004	8132205	0.053	1.94	1.09	0.03	20.1	0.82	42.1	90.6	0.092	15.45	58.3	4.99	1.38	0.051	0.509	11.9
ING004	832954	8132205	0.063	2.23	1.535	0.03	30.3	0.99	48.8	105.1	0.103	15.55	76.3	5.95	1.175	0.063	0.59	18.1
ING005	832904	8132205	0.074	2.6	2.63	0.05	52.5	1.2	62	133.5	0.151	14.05	101.5	7.43	1.08	0.106	0.687	35.3
ING006	832854	8132205	0.094	2.75	3.01	0.06	66.6	1.32	61.6	132.6	0.212	13.2	102	9.14	0.993	0.118	0.735	32.2
ING007	832804	8132205	0.068	2.69	4.34	0.05	80.4	1.48	69.8	150.3	0.16	12.9	117.5	10.6	0.941	0.151	0.854	51.4
ING008	832754	8132205	0.04	1.95	0.668	0.07	17.7	1.13	39.9	85.9	0.242	15.35	104	4.57	1.09	0.028	0.658	6.04
ING009	832704	8132205	0.042	2.36	0.828	0.1	25.4	1.28	46.1	99.3	0.298	16.5	110	5.16	1.26	0.045	0.767	7.5
ING010	832654	8132205	0.066	2.97	1.71	0.06	53.5	1.47	55.3	119.1	0.235	16.7	124	8.12	1.28	0.075	0.824	11.8
ING011	832604	8132205	0.065	2.65	2.95	0.05	78.5	1.36	61.1	131.5	0.178	15.25	109.5	10.55	1.125	0.101	0.814	25.6
ING012	832554	8132205	0.062	2.44	3.47	0.05	83.3	1.16	57.1	122.9	0.161	16.7	95.8	9.21	2.23	0.126	0.748	64.7
ING013	833104	8132105	0.057	1.74	0.873	0.05	17.65	0.68	35.7	76.9	0.067	13.95	46.2	4.87	1.175	0.04	0.558	10.3
ING014	833054	8132105	0.052	1.58	0.798	0.02	15.15	0.71	32.9	70.8	0.08	16.65	52.8	4.24	5.56	0.037	0.489	7.66
ING015	833004	8132105	0.037	2.14	0.924	0.05	20.3	1.05	47.7	102.7	0.161	15.6	92	4.69	1.18	0.048	0.629	8.43
ING016	832954	8132105	0.04	2.55	1.19	0.06	31.9	1.38	61.1	131.5	0.204	16.3	126	5.64	1.23	0.053	0.807	11.05
ING017	832904	8132105	0.047	2.82	2.29	0.06	58.3	1.55	69.6	149.8	0.22	15.15	133.5	7.91	1.295	0.079	0.768	19.1
ING018	832854	8132105	0.051	3.05	2.02	0.3	61	1.89	71.9	154.8	0.753	12.45	143.5	7.88	0.909	0.07	0.736	18.95
ING019	832804	8132105	0.066	2.94	6.63	0.16	97.1	1.77	86	185.2	0.459	13.05	143.5	10.15	0.961	0.266	0.881	105
ING020	832754	8132105	0.08	3.13	8.31	0.05	91	1.6	56.2	121.0	0.166	11.45	109	14.6	0.851	0.287	0.836	176.5
ING021	832704	8132105	0.081	2.83	8.93	0.05	92.9	1.71	44.9	96.7	0.127	10.85	110	23.3	0.872	0.318	0.901	260
ING022	832654	8132105	0.089	2.93	6.24	0.04	82	1.53	49.5	106.6	0.138	12.35	89.4	15.9	2.21	0.22	0.827	151
ING023	832604	8132105	0.092	2.86	3.96	0.05	85.2	1.56	60	129.2	0.185	13.55	125.5	11.4	1.015	0.129	0.869	71.3
ING024	832554	8132105	0.075	2.61	3.84	0.04	84.5	1.41	67	144.3	0.143	14.45	119.5	10.9	1.11	0.136	0.882	65.9
ING025	832504	8132105	0.085	1.94	5.14	0.03	74.4	1.15	39.8	85.7	0.108	12.65	86.1	12.9	2.08	0.182	0.75	154
ING026	832454	8132105	0.102	1.4	4.38	0.03	56.4	0.72	27.2	58.6	0.086	12.25	57.5	11.55	1.605	0.165	0.571	77.2
ING027	833104	8132005	0.055	2.46	0.707	0.04	20.7	1.18	47	101.2	0.122	15.3	91.6	5.98	1.395	0.042	0.809	6.57
ING028	833054	8132005	0.044	2.57	0.755	0.04	31.2	1.05	56.5	121.6	0.158	16.35	98.8	7.76	1.22	0.039	0.77	6.69
ING029	833004	8132005	0.04	1.95	0.668	0.07	17.7	1.13	39.9	85.9	0.242	15.35	104	4.57	1.09	0.028	0.658	6.04
ING030	832954	8132005	0.042	2.36	0.828	0.1	25.4	1.28	46.1	99.3	0.298	16.5	110	5.16	1.26	0.045	0.767	7.5
ING031	832904	8132005	0.066	2.97	1.71	0.06	53.5	1.47	55.3	119.1	0.235	16.7	124	8.12	1.28	0.075	0.824	11.8
ING032	832854	8132005	0.065	2.65	2.95	0.05	78.5	1.36	61.1	131.5	0.178	15.25	109.5	10.55	1.125	0.101	0.814	25.6
ING033	832804	8132005	0.062	2.44	3.47	0.05	83.3	1.16	57.1	122.9	0.161	16.7	95.8	9.21	2.23	0.126	0.748	64.7
ING034	832754	8132005	0.092	2.68	7.77	0.04	134	1.44	65.2	140.4	0.145	13.6	99.5	14	1.095	0.265	0.876	250
ING035	832704	8132005	0.131	2.41	10.5	0.07	148	1.79	54.1	116.5	0.157	10	100	18.55	1.125	0.44	0.821	520
ING036	832654	8132005	0.115	3.61	6.76	0.05	166.5	1.59	69.4	149.4	0.14	11.6	97.2	17.45	1.6	0.237	0.942	240
ING037	832604	8132005	0.089	3.41	6.22	0.04	113.5	1.25	59.4	127.9	0.128	12	81.4	16.7	2.35	0.203	0.9	205
ING038	832554	8132005	0.086	3.04	5.26	0.04	87.7	1.02	48.8	105.1	0.134	11.7	65.6	13.55	1.285	0.164	0.74	125.5
ING039	832504	8132005	0.104	2.67	4.47	0.03	84.3	1.14	52.7	113.5	0.104	12.7	89.1	13.55	1.04	0.164	0.793	98.9

[10] All single samples use centroid coordinate at the centre of the artisanal workings, within a 15m radius of the reference point.

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Sample ID	Easting	Northing	Ag ppm	Be ppm	Bi ppm	Ca %	Cs ppm	K %	Li ppm	Li2O ppm	Na ppm	Nb ppm	Rb ppm	Sn ppm	Ta ppm	Te ppm	Tl ppm	W ppm
ING041	832404	8132005	0.082	1.5	4.16	0.02	42.9	0.61	30.3	65.2	0.064	11.4	39.4	11.3	1.435	0.154	0.499	130.5
ING042	833104	8131905	0.041	1.81	1.825	0.02	25.9	0.78	38.2	82.2	0.12	15.2	68.5	6.53	1.195	0.074	0.593	33.1
ING043	833054	8131905	0.048	1.96	1.55	0.02	29.6	0.83	42.8	92.1	0.095	15	75.8	6.61	1.295	0.071	0.593	24.5
ING044	833004	8131905	0.042	1.56	1.47	0.01	27.5	0.71	35.1	75.6	0.075	15.3	55.9	6.61	1.685	0.058	0.526	27.3
ING045	832954	8131905	0.039	1.59	1.415	0.02	23.8	0.73	35.5	76.4	0.081	14.95	53.7	5.95	1.205	0.067	0.484	29
ING046	832904	8131905	0.059	2.02	1.17	0.04	22.9	0.87	39.4	84.8	0.196	15.35	74.5	5.43	1.165	0.064	0.566	19.25
ING047	832854	8131905	0.075	2.29	2.36	0.03	34.1	0.96	48.9	105.3	0.137	16.45	72.8	8.01	1.27	0.1	0.625	48.7
ING050	832704	8131905	0.099	2.1	8.95	0.03	94.2	1.28	44.3	95.4	0.11	11.15	81.7	17.1	1.225	0.316	0.761	300
ING051	832654	8131905	0.124	2.07	10.85	0.04	116	1.64	49.9	107.4	0.153	11.15	123.5	18.45	1.215	0.41	0.911	510
ING052	832604	8131905	0.164	3.05	7.74	0.05	96.3	1.38	58.6	126.2	0.124	10.95	104.5	15.75	2.58	0.281	0.8	340
ING054	832504	8131905	0.123	3.05	7.19	0.04	79.2	1.2	60.4	130.0	0.129	10.85	78.4	16.2	1.255	0.269	0.744	400
ING055	832454	8131905	0.094	2.66	5.76	0.04	70.6	1.08	54.6	117.6	0.123	11.6	75.2	13.8	2.38	0.207	0.685	175.5
ING056	832404	8131905	0.094	2.33	5.43	0.03	59.2	0.9	46	99.0	0.103	11.95	61.3	13.75	1.04	0.202	0.658	105.5
ING057	833104	8131805	0.056	1.33	1.575	0.01	21.6	0.59	25.9	55.8	0.061	15.45	42.6	6.13	1.215	0.062	0.59	29.2
ING058	833054	8131805	0.049	1.57	1.305	0.01	21.1	0.68	30.2	65.0	0.081	16.05	49.3	5.88	1.37	0.07	0.634	23.5
ING059	833104	8131805	0.042	1.71	1.11	0.01	19.7	0.74	37.4	80.5	0.078	16	52.5	5.61	1.19	0.061	0.664	17.4
ING060	833054	8131805	0.054	2.1	1.17	0.02	23.5	0.78	43.9	94.5	0.099	16.35	58.8	6.6	1.3	0.062	0.619	17.2
ING061	833004	8131805	0.04	2.3	1.14	0.03	23.1	1.06	46	99.0	0.155	15.6	94.6	5.84	1.16	0.058	0.646	17.2
ING062	832954	8131805	0.043	2.07	1.275	0.04	20.7	1.02	42.8	92.1	0.184	16.45	87.9	5.54	1.17	0.061	0.652	21.8
ING063	832904	8131805	0.046	2.22	1.655	0.04	28.2	1.11	43.9	94.5	0.183	16.05	103	6.38	1.14	0.075	0.699	29.2
ING064	832854	8131805	0.056	2.34	3.21	0.03	40.6	1.03	45	96.9	0.129	15.6	83.3	9.42	1.145	0.126	0.681	66.9
ING065	832804	8131805	0.077	1.87	4.23	0.04	46.8	1.04	37.7	81.2	0.131	14.15	83.6	10.65	1.16	0.174	0.677	94.9
ING066	832754	8131805	0.107	1.84	6.67	0.05	60.3	1.22	29	62.4	0.164	10.8	83.7	14	0.893	0.263	0.711	155.5
ING067	832704	8131805	0.139	1.92	9.6	0.04	75.4	1.7	28.9	62.2	0.141	9.74	114	16.45	0.792	0.342	0.867	340
ING068	832654	8131805	0.153	1.47	13.4	0.04	65.2	1.98	23.8	51.2	0.124	8.08	111	20.8	0.565	0.455	0.773	450
ING069	832604	8131805	0.123	1.44	9.45	0.03	61.3	1.64	22.7	48.9	0.108	8.39	93.9	17.6	0.566	0.301	0.687	202
ING070	832554	8131805	0.098	2	6.83	0.03	65	1.42	28.3	60.9	0.127	9.35	89.3	15.25	0.67	0.21	0.734	151
ING071	832504	8131805	0.097	3.25	5.73	0.05	80.8	1.44	52.5	113.0	0.131	12.75	109	15.25	1.05	0.194	0.811	80.7
ING072	832454	8131805	0.09	2.65	4.29	0.03	71.7	1.23	54	116.3	0.108	13.55	98.1	13.25	1	0.161	0.76	46
ING075	833104	8131705	0.047	0.97	2.25	0.01	23.2	0.52	20.1	43.3	0.055	14.65	41.4	6.37	1.13	0.098	0.592	42.7
ING076	833054	8131705	0.047	1.06	2.34	0.01	23.1	0.56	22.4	48.2	0.06	14.55	42.6	6.58	1.13	0.092	0.576	45.7
ING077	833004	8131705	0.046	1.26	2.04	0.01	22.7	0.68	27	58.1	0.078	14.9	49.3	6.03	1.445	0.094	0.555	47.5
ING078	832954	8131705	0.053	1.57	1.85	0.01	22.5	0.78	32.9	70.8	0.085	15.6	54.8	6.16	1.205	0.089	0.574	41.4
ING079	832904	8131705	0.044	2.3	0.614	0.05	16.5	1.38	48	103.3	0.19	15.75	111	4.56	1.14	0.042	0.693	9.42
ING080	832854	8131705	0.048	2.2	0.582	0.08	15.05	1.27	44.2	95.2	0.296	14.65	107.5	3.87	1.07	0.038	0.616	9.08
ING081	832804	8131705	0.071	2.58	0.983	0.07	25.4	1.48	50.7	109.2	0.286	14.7	123.5	5.03	1.065	0.051	0.698	15.05
ING082	832754	8131705	0.084	2.76	3.28	0.05	64.8	1.59	61	131.3	0.193	14.3	127	10.55	1.02	0.124	0.786	52.4
ING083	832704	8131705	0.085	2.87	2.85	0.04	62.1	1.55	61.1	131.5	0.143	14.1	123	10.25	1	0.104	0.691	46.8
ING084	832654	8131705	0.074	2.78	2.3	0.05	56.3	1.42	61.5	132.4	0.159	15.55	115.5	10	1.095	0.081	0.756	40.6
ING085	832604	8131705	0.056	2.63	1.445	0.04	29.2	1.3	52.6	113.2	0.173	17	107.5	6.58	2.22	0.074	0.729	20.3
ING086	832554	8131705	0.054	2.38	0.861	0.04	23.1	1.21	49.6	106.8	0.202	16.35	98.8	4.93	1.185	0.046	0.627	11.15
ING087	832504	8131705	0.063	2.3	0.966	0.03	23.9	1.31	47.8	102.9	0.163	16.7	104	5.46	1.205	0.047	0.641	12.65
ING088	832454	8131705	0.06	2.19	1.625	0.02	26.3	0.96	44.7	96.2	0.119	16.15	65.6	6.27	1.185	0.08	0.615	21.3
ING089	832404	8131705	0.124	1.4	4.06	0.03	39.5	0.56	26.5	57.1	0.072	11.5	36	10.85	1.01	0.127	0.555	133.5
ING090	832354	8131705	0.1	1.12	3.23	0.03	35.4	0.49	23.9	51.5	0.064	11.35	31.9	9.53	0.937	0.12	0.542	93.2

Sample ID	Easting	Northing	Ag ppm	Be ppm	Bi ppm	Ca %	Cs ppm	K %	Li ppm	Li2O ppm	Na ppm	Nb ppm	Rb ppm	Sn ppm	Ta ppm	Te ppm	Tl ppm	W ppm
ING101	832504	8131605	0.095	2.7	3.69	0.04	67.4	1.29	57.5	123.8	0.115	13.45	95.2	12.25	4.17	0.138	0.714	47.9
ING102	832454	8131605	0.071	2.34	2.7	0.04	55.4	1.14	51.3	110.4	0.104	12.9	86.3	9.94	0.953	0.108	0.666	30
ING103	832404	8131605	0.07	2.42	2.5	0.03	47.4	1.05	48.3	104.0	0.091	13.85	73.1	9.74	3.36	0.098	0.674	25.3
ING104	832354	8131605	0.09	1.99	2.29	0.02	42.3	0.86	38.2	82.2	0.082	14	57.4	8.45	1.16	0.092	0.636	23.4
ING105	832354	8132005	0.083	1.31	1.79	0.02	32.2	0.65	27.5	59.2	0.071	13.6	43.7	6.94	2.83	0.074	0.521	20.8
ING106	832304	8132005	0.073	1.07	1.695	0.02	26.9	0.57	21.7	46.7	0.061	12.7	40.9	6.35	1.005	0.067	0.493	28.1
ING107	832254	8132005	0.077	0.84	1.11	0.01	22.1	0.51	15.7	33.8	0.054	13.9	39.2	5.3	1.125	0.05	0.524	20
ING108	832204	8132005	0.078	0.83	0.856	0.01	21.2	0.53	15.5	33.4	0.052	15.15	41.2	4.84	1.805	0.041	0.521	14.2
ING109	832154	8132005	0.055	0.95	0.737	0.01	19.95	0.58	19.5	42.0	0.057	14.5	43.8	4.47	1.105	0.037	0.547	10.6
ING110	832104	8132005	0.066	1.25	0.699	0.02	19.5	0.67	25.1	54.0	0.068	14.45	49.5	4.47	1.115	0.037	0.582	8.68
ING111	832354	8131905	0.068	2.76	2.28	0.05	56	1.41	61.4	132.2	0.157	15.8	116	9.86	1.1	0.077	0.763	40.4
ING112	832304	8131905	0.075	2.44	1.92	0.03	42.3	1.14	54.7	117.8	0.127	15.55	84.1	8.23	1.115	0.076	0.658	25.4
ING113	832254	8131905	0.083	2.05	2.53	0.02	35.4	0.91	45.4	97.7	0.088	14.85	58.1	9.11	1.13	0.094	0.597	31.6
ING114	832204	8131905	0.096	1.46	2.49	0.02	34.4	0.77	33	71.0	0.074	14.5	49.8	9.13	1.115	0.083	0.566	38.4
ING115	832154	8131905	0.084	1.33	2.09	0.02	29.7	0.64	26.3	56.6	0.06	14.3	43.3	8.13	1.265	0.07	0.547	28.3
ING116	832104	8131905	0.079	1.02	1.665	0.02	23	0.55	21.1	45.4	0.057	13.3	39.7	6.12	1.125	0.057	0.501	20.2
ING117	832354	8131805	0.087	1.49	1.65	0.03	21.7	0.61	22.2	47.8	0.062	13.35	46.9	6.07	1.1	0.058	0.515	21.5
ING118	832304	8131805	0.066	1.44	1.195	0.03	21.3	0.73	25.4	54.7	0.078	14.5	60.3	5.38	1.37	0.041	0.544	14.95
ING119	832254	8131805	0.065	2.17	1.14	0.05	28.5	1.09	40.4	87.0	0.147	14.95	90	5.64	1.17	0.046	0.717	12.15
ING120	832204	8131805	0.076	2.61	0.788	0.24	31.7	2.13	56.5	121.6	0.535	15.7	135.5	5.1	1.67	0.029	0.741	5.85
ING121	832154	8131805	0.08	2.24	0.99	0.06	25.2	1.08	45	96.9	0.156	15.65	88.1	5.33	1.245	0.039	0.705	9.9
ING122	832104	8131805	0.076	1.5	0.755	0.05	15.3	0.67	25.4	54.7	0.084	26.5	57.4	4.07	3.03	0.025	0.527	7.34
ING123	832054	8131805	0.067	1.66	0.795	0.04	17.4	0.69	26.3	56.6	0.093	14.45	57.7	4.36	1.165	0.029	0.547	7.03
ING124	832004	8131805	0.064	1.56	3.07	0.02	24.3	0.83	32.1	69.1	0.092	19.6	54.1	8.33	4.18	0.116	0.576	34.1
ING125	831954	8131805	0.064	2.08	1.49	0.02	20.2	0.91	40.6	87.4	0.103	16.1	66.6	5.88	1.23	0.074	0.638	14.95
ING126	831904	8131805	0.077	1.94	1.045	0.02	17.85	0.88	42.3	91.1	0.091	16.35	59.5	5.27	1.235	0.048	0.631	9.87
ING127	832354	8131705	0.065	1.65	1.105	0.01	18.15	0.7	37.4	80.5	0.074	15.9	45	5.19	1.23	0.048	0.583	11
ING128	832304	8131705	0.073	1.4	0.782	0.04	14.4	0.66	24.4	52.5	0.102	13.6	54.1	4.09	1.12	0.031	0.528	8.33
ING129	832254	8131705	0.065	1.74	1.14	0.01	18.1	0.7	36.7	79.0	0.073	15.65	44.3	5.18	1.24	0.048	0.587	11.05
ING130	832204	8131705	0.064	0.97	1.775	0.01	22.2	0.59	21.8	46.9	0.058	14.5	36.9	6.23	1.47	0.065	0.539	18.8
ING131	832154	8131705	0.073	0.91	1.875	0.01	21.8	0.56	20	43.1	0.058	13.45	36	6.11	1.12	0.052	0.484	18.85
ING132	832104	8131705	0.083	1.24	1.53	0.02	21.4	0.59	23.4	50.4	0.06	14.15	40.7	5.96	1.16	0.064	0.515	18.15
ING133	832054	8131705	0.085	2.35	1.29	0.07	21.1	0.74	35.4	76.2	0.111	13.8	58.3	5.27	1.185	0.047	0.545	15.65
ING134	832004	8131705	0.08	2.09	0.78	0.15	16.5	1.01	47.2	101.6	0.359	13.65	78.7	3.96	1.105	0.024	0.569	9.06
ING135	831954	8131705	0.068	1.16	1.35	0.01	19.4	0.59	24.6	53.0	0.061	14.5	36.7	5.3	1.165	0.055	0.506	13.8
ING136	831904	8131705	0.076	2.61	0.788	0.24	31.7	2.13	56.5	121.6	0.535	15.7	135.5	5.1	1.67	0.029	0.741	5.85
ING137	831854	8131705	0.08	2.24	0.99	0.06	25.2	1.08	45	96.9	0.156	15.65	88.1	5.33	1.245	0.039	0.705	9.9
ING138	831804	8131705	0.076	1.5	0.755	0.05	15.3	0.67	25.4	54.7	0.084	26.5	57.4	4.07	3.03	0.025	0.527	7.34
ING139	831754	8131705	0.067	1.66	0.795	0.04	17.4	0.69	26.3	56.6	0.093	14.45	57.7	4.36	1.165	0.029	0.547	7.03
ING140	832354	8131605	0.061	2.19	1.895	0.02	27.9	0.98	44.9	96.7	0.12	16.8	64.6	7.11	1.205	0.071	0.642	19.75
ING141	832304	8131605	0.074	1.77	2.53	0.01	35.2	0.85	39.5	85.0	0.079	16.1	51.9	8.57	1.195	0.077	0.666	28.7
ING142	832254	8131605	0.081	1.28	2.3	0.01	33.5	0.73	30.5	65.7	0.069	15.4	42.5	8.2	1.115	0.071	0.631	27.2
ING143	832204	8131605	0.075	1.29	2.02	0.01	31.4	0.68	27.7	59.6	0.063	15	41	7.65	1.265	0.054	0.619	23.7
ING144	832154	8131605	0.087	1.22	1.745	0.01	29.1	0.64	24.6	53.0	0.06	14.2	41.5	7.15	1.165	0.048	0.605	19.45
ING145	832104	8131605	0.099	1.31	1.5	0.02	26.4	0.64	25.6	55.1	0.06	13.8	44	6.49	1.06	0.045	0.583	18.35

Sample ID	Easting	Northing	Ag ppm	Be ppm	Bi ppm	Ca %	Cs ppm	K %	Li ppm	Li2O ppm	Na ppm	Nb ppm	Rb ppm	Sn ppm	Ta ppm	Te ppm	Tl ppm	W ppm
ING146	832054	8131605	0.063	1.19	1.085	0.02	20.7	0.64	21.6	46.5	0.066	14.5	47.4	5.45	1.12	0.035	0.575	14.6
ING147	832004	8131605	0.077	1.24	1.06	0.04	19.25	0.66	24	51.7	0.064	13.9	53.4	5.12	1.09	0.034	0.562	13.4
ING148	831954	8131605	0.073	1.75	1.16	0.06	20.9	0.81	32.5	70.0	0.109	19.9	69.9	5.45	12.6	0.035	0.67	14.05
ING149	831904	8131605	0.068	2.16	0.891	0.15	18.85	1.21	29.6	63.7	0.23	12.7	106.5	4.4	1.135	0.023	0.547	8.38
ING150	831854	8131605	0.061	1.75	0.494	0.19	9.17	0.83	16.6	35.7	0.353	8.45	53.5	2.6	0.719	0.009	0.316	3.14
ING151	831804	8131605	0.055	1.5	0.659	0.11	14.7	0.76	24.8	53.4	0.091	14.7	69.8	3.75	1.57	0.016	0.533	5.58
ING152	831754	8131605	0.045	1.46	0.845	0.06	19.6	0.91	24.2	52.1	0.085	12.6	66.8	4.83	0.988	0.024	0.562	5.81
ING153	831704	8131605	0.069	1.86	0.823	0.08	24	1.05	31.7	68.3	0.111	14.6	75.4	4.97	1.665	0.021	0.637	5.47
ING154	831654	8131605	0.048	1.8	0.668	0.11	20.1	1.06	36.5	78.6	0.19	13.05	87.5	3.77	1.085	0.022	0.575	4.96
ING165	832504	8131505	0.064	1.56	3.07	0.02	24.3	0.83	32.1	69.1	0.092	19.6	54.1	8.33	4.18	0.116	0.576	34.1
ING166	832454	8131505	0.064	2.08	1.49	0.02	20.2	0.91	40.6	87.4	0.103	16.1	66.6	5.88	1.23	0.074	0.638	14.95
ING167	832404	8131505	0.077	1.94	1.045	0.02	17.85	0.88	42.3	91.1	0.091	16.35	59.5	5.27	1.235	0.048	0.631	9.87
ING168	832354	8131505	0.065	1.65	1.105	0.01	18.15	0.7	37.4	80.5	0.074	15.9	45	5.19	1.23	0.048	0.583	11
ING169	832354	8131505	0.073	1.4	0.782	0.04	14.4	0.66	24.4	52.5	0.102	13.6	54.1	4.09	1.12	0.031	0.528	8.33
ING170	832304	8131505	0.065	1.74	1.14	0.01	18.1	0.7	36.7	79.0	0.073	15.65	44.3	5.18	1.24	0.048	0.587	11.05
ING171	832254	8131505	0.064	0.97	1.775	0.01	22.2	0.59	21.8	46.9	0.058	14.5	36.9	6.23	1.47	0.065	0.539	18.8
ING172	832204	8131505	0.073	0.91	1.875	0.01	21.8	0.56	20	43.1	0.058	13.45	36	6.11	1.12	0.052	0.484	18.85
ING173	832154	8131505	0.083	1.24	1.53	0.02	21.4	0.59	23.4	50.4	0.06	14.15	40.7	5.96	1.16	0.064	0.515	18.15
ING174	832104	8131505	0.085	2.35	1.29	0.07	21.1	0.74	35.4	76.2	0.111	13.8	58.3	5.27	1.185	0.047	0.545	15.65
ING175	832054	8131505	0.08	2.09	0.78	0.15	16.5	1.01	47.2	101.6	0.359	13.65	78.7	3.96	1.105	0.024	0.569	9.06
ING176	832004	8131505	0.068	1.16	1.35	0.01	19.4	0.59	24.6	53.0	0.061	14.5	36.7	5.3	1.165	0.055	0.506	13.8
ING177	831954	8131505	0.074	1.45	0.666	0.05	13.15	0.77	24.1	51.9	0.1	13.1	86.6	3.87	1.11	0.025	0.535	7.59
ING178	831904	8131505	0.063	1.48	0.558	0.11	10.85	0.8	26.3	56.6	0.133	11.85	73.1	3.22	1.055	0.017	0.43	5.85
ING179	831854	8131505	0.058	1.66	0.654	0.06	14.05	0.79	29.6	63.7	0.09	13.65	73.4	4.06	1.155	0.027	0.531	6.84
ING180	831804	8131505	0.054	1.62	0.703	0.05	17.45	0.82	29.2	62.9	0.085	15.2	63.3	4.51	1.125	0.034	0.584	7.75
ING181	831754	8131505	0.057	1.61	0.744	0.07	20.3	1	27.6	59.4	0.087	11.85	70.5	4.76	0.949	0.027	0.56	6.48
ING182	831704	8131505	0.045	1.9	0.848	0.04	27.6	0.99	33.8	72.8	0.1	15	78.1	5.64	1.105	0.034	0.662	10.25
ING183	831654	8131505	0.06	1.89	0.736	0.07	20.6	0.92	32.9	70.8	0.09	13.85	78.2	4.54	1.115	0.036	0.621	9.14
ING193	832554	8131405	0.059	1.33	1.77	0.02	20.8	0.65	25.5	54.9	0.076	16.8	50.4	6.71	1.23	0.071	0.625	28.2
ING194	832504	8131405	0.05	0.99	2.15	0.02	20	0.53	18.3	39.4	0.063	13.1	37.4	6.6	1.02	0.081	0.448	32.4
ING195	832454	8131405	0.058	1.02	2.41	0.02	23.4	0.6	20	43.1	0.07	15.2	41.6	7.77	1.135	0.092	0.533	35.8
ING196	832404	8131405	0.056	1.02	1.82	0.01	20.8	0.56	20.7	44.6	0.062	15.55	38.5	6.57	1.14	0.074	0.515	25.4
ING197	832354	8131405	0.07	1.07	1.295	0.01	18.6	0.56	21.5	46.3	0.058	15.7	37.7	5.54	1.17	0.056	0.539	16.7
ING198	832354	8131405	0.061	1	1.04	0.01	17.4	0.58	21.6	46.5	0.062	16.95	39	6.19	1.24	0.053	0.568	13.85
ING199	832304	8131405	0.068	1	1.06	0.01	17.4	0.58	21.2	45.6	0.06	16.9	39	5.21	1.275	0.036	0.574	14.3
ING200	832254	8131405	0.079	1	1.01	0.01	17.1	0.59	20.3	43.7	0.063	16.5	40	5.05	1.25	0.043	0.544	12.8
ING201	832204	8131405	0.077	1.19	1.08	0.02	18.4	0.59	22.9	49.3	0.062	16.1	42.8	5.35	1.22	0.048	0.548	13.8
ING202	832154	8131405	0.073	1.2	1.045	0.04	17.5	0.6	22.7	48.9	0.058	14.2	43.2	5.12	1.19	0.044	0.504	13.5
ING203	832104	8131405	0.089	1.53	0.941	0.03	17.2	0.67	29.6	63.7	0.074	14.6	52	4.79	1.16	0.038	0.53	11.7
ING204	832054	8131405	0.075	1.24	0.587	0.12	10.25	0.88	24.8	53.4	0.246	11.55	67.2	2.87	1.78	0.015	0.401	5.78
ING205	832004	8131405	0.066	1.76	0.615	0.06	11.6	0.87	26.8	57.7	0.13	12.4	99.8	3.53	0.997	0.02	0.53	6.27
ING206	831954	8131405	0.062	1.1	0.54	0.04	10.05	0.73	22.6	48.7	0.08	11.85	63.2	3.08	1.04	0.018	0.427	5.35
ING207	831904	8131405	0.055	1.22	0.517	0.06	9.91	0.75	23.5	50.6	0.087	11.6	62.6	3.12	1.135	0.018	0.484	5.16
ING208	831854	8131405	0.058	1.29	0.511	0.04	10.2	0.76	23.8	51.2	0.082	16.25	64	3.14	2.08	0.02	0.502	5.26
ING209	831804	8131405	0.066	1.71	0.49	0.08	12.3	1.06	34.6	74.5	0.149	12.8	93.1	3.49	1.015	0.019	0.559	6.09

Sample ID	Easting	Northing	Ag ppm	Be ppm	Bi ppm	Ca %	Cs ppm	K %	Li ppm	Li2O ppm	Na ppm	Nb ppm	Rb ppm	Sn ppm	Ta ppm	Te ppm	Tl ppm	W ppm
ING210	831754	8131405	0.083	1.2	0.429	0.07	9.42	0.88	28.2	60.7	0.112	11.75	67.5	2.98	1.04	0.017	0.476	5.06
ING211	831704	8131405	0.07	1.76	0.304	0.34	6.81	1.64	37.7	81.2	0.652	13.5	116.5	3.05	1.055	0.019	0.578	2.44
ING212	831654	8131405	0.047	1.94	0.358	0.24	6.38	1.5	35.4	76.2	0.5	14.3	112	2.9	1.15	0.017	0.576	2.07
ING213	830920	8131355	0.051	1.22	0.483	0.03	8.11	0.74	19.3	41.6	0.065	15.9	63.4	3.69	1.275	0.024	0.52	3.14
ING214	830870	8131355	0.059	1.38	0.445	0.03	7.85	0.79	21.3	45.9	0.077	15.05	73.7	3.44	1.195	0.023	0.551	3.04
ING215	830820	8131355	0.046	1.68	0.27	0.22	5.69	1.23	28.4	61.1	0.335	13.8	94.8	2.68	1.03	0.018	0.481	2.79
ING216	830770	8131355	0.04	1.4	0.261	0.14	4.78	0.9	22.5	48.4	0.214	12.95	70	2.3	1.01	0.018	0.387	2.28
ING217	830720	8131355	0.053	1.2	0.289	0.12	5.18	1.13	20.6	44.4	0.274	13.05	89.9	2.64	1.06	0.012	0.464	2.81
ING218	830670	8131355	0.046	1.08	0.373	0.02	7.42	0.7	18.8	40.5	0.065	16.15	57.7	3.15	1.35	0.02	0.491	3.17
ING219	830620	8131355	0.048	1.38	0.351	0.02	7.15	0.82	23.5	50.6	0.084	15.3	75.1	3.1	1.175	0.022	0.524	3.12
ING220	830570	8131355	0.041	1.38	0.23	0.21	4.49	1.22	20.8	44.8	0.443	12.95	91.2	2.35	1	0.01	0.431	2.67
ING221	830520	8131355	0.059	1.56	0.253	0.22	5.17	1.34	24.8	53.4	0.448	15.1	104.5	2.68	1.1	0.011	0.484	2.87
ING222	830470	8131355	0.084	2.26	0.415	0.04	9.09	0.96	36.1	77.7	0.096	16.65	75.5	3.83	1.265	0.029	0.614	3.57
ING223	830420	8131355	0.049	2.3	0.404	0.08	9.1	1.18	38.4	82.7	0.148	17.2	103.5	3.94	1.235	0.028	0.706	3.31
ING224	830370	8131355	0.05	2.13	0.401	0.04	8.7	0.99	35.2	75.8	0.112	17.15	87.3	3.86	1.24	0.03	0.63	3.53
ING225	830320	8131355	0.052	2.26	0.376	0.11	8.39	1.11	37	79.7	0.155	17.05	99.9	3.77	1.25	0.022	0.614	3.35
ING226	830270	8131355	0.052	2.46	0.397	0.08	8.95	1.37	41.8	90.0	0.171	17.65	125	4.07	1.26	0.028	0.712	3.35
ING227	831015	8132125	0.046	1.67	0.344	0.11	7.31	0.9	30.2	65.0	0.299	11.7	72.6	2.6	0.968	0.012	0.512	2.6
ING228	830965	8132125	0.064	1.16	0.486	0.02	9.17	0.6	20.9	45.0	0.072	13.8	50.7	3.17	1.165	0.027	0.53	4.16
ING229	830915	8132125	0.063	0.83	0.499	0.02	8.76	0.52	14.5	31.2	0.05	13.9	41.7	3.38	1.15	0.023	0.507	4.05
ING230	830865	8132125	0.06	0.79	0.518	0.01	9.14	0.52	13.2	28.4	0.051	14.5	41.8	3.38	1.23	0.029	0.544	4.22
ING231	830815	8132125	0.063	0.82	0.523	0.01	10.95	0.6	14.5	31.2	0.055	16	46.3	4.24	1.185	0.028	0.598	4.01
ING232	830765	8132125	0.051	0.81	0.487	0.01	9.6	0.57	13.9	29.9	0.052	15.2	41.7	3.78	1.215	0.022	0.549	3.59
ING233	831015	8131805	0.042	1.67	0.478	0.03	13.3	1.02	29.9	64.4	0.111	16.7	79.6	3.89	1.355	0.021	0.678	4.42
ING234	830965	8131805	0.045	1.76	0.411	0.04	12.1	1.18	30.2	65.0	0.125	14.15	86.3	3.32	1.085	0.014	0.659	3.56
ING235	830915	8131805	0.055	1.53	0.408	0.06	10.95	1.11	29.5	63.5	0.14	13.8	88.1	3.12	1.085	0.014	0.573	3.52
ING236	830865	8131805	0.033	2.07	0.368	0.1	9.76	1.39	35.3	76.0	0.22	13.8	96.8	3.17	1.055	0.017	0.626	3.03
ING237	830815	8131805	0.042	3.03	0.509	0.06	11.75	1.2	43	92.6	0.15	17.45	96.6	4.2	1.37	0.031	0.808	3.54
ING238	830765	8131805	0.039	2.83	0.471	0.04	10.9	0.98	39.7	85.5	0.123	17.1	72.2	4.24	1.32	0.033	0.746	3.68
ING239	830715	8131805	0.042	2.43	0.432	0.03	9.76	1.05	38.3	82.5	0.116	16	79	3.96	1.165	0.028	0.714	3.16
ING240	830665	8131805	0.045	2.62	0.439	0.03	9.9	1.15	43.2	93.0	0.118	17.25	92.4	4.2	1.245	0.031	0.753	2.89
ING241	830615	8131805	0.044	2.3	0.409	0.06	9.69	1.16	38.4	82.7	0.153	16.1	95.2	4.05	1.22	0.024	0.689	3
ING244	192710	8132823	0.064	2.44	1.845	0.03	42	1.41	42	90.4	1410	14.9	124.5	7.27	1.04	0.039	0.781	9.83
ING245	192748	8132780	0.063	2.27	1.17	0.04	31.1	1.23	39	84.0	1370	15.1	116.5	5.02	1.04	0.032	0.718	8.73
ING246	192781	8132743	0.06	2.12	1.13	0.03	28	1.03	36	77.5	1140	14.4	96.6	4.96	1.025	0.033	0.572	11.45
ING247	192817	8132705	0.071	2.02	1.15	0.02	30.2	0.89	34	73.2	1000	18.25	69.9	5.48	2.47	0.033	0.621	11.8
ING248	192852	8132671	0.066	1.82	1.12	0.01	30.7	0.91	33	71.0	950	14.7	64.7	5.26	1.13	0.041	0.643	11.55
ING249	192886	8132631	0.08	1.49	1.18	0.01	32.4	0.78	30	64.6	770	15.1	51.5	5.61	1.1	0.039	0.652	14.5
ING250	192920	8132594	0.092	0.9	1.14	0.01	25.8	0.56	17	36.6	600	14.35	38.5	5.44	1.065	0.041	0.521	15.15
ING251	192956	8132559	0.083	0.87	1.44	0.03	24.2	0.48	15	32.3	570	15.15	33	5.39	1.955	0.053	0.491	25.5
ING252	194423	8130361	0.058	6.82	1.145	0.19	55.6	1.46	227	488.7	3810	14.65	150.5	13.6	1.77	0.037	0.966	18.85
ING252A	194424	8130365	0.052	6.98	1.25	0.17	58.3	1.76	268	577	3810	18	153.6	13.6	0.851	0.287	0.836	1,029
ING253	194465	8130385	0.057	5.8	1.26	0.09	56.3	1.17	212	456.4	0.15	19.25	121.5	17.95	4.37	0.055	0.988	14.2
ING254	194517	8130385	0.05	6.26	1.205	0.08	68.1	1.21	233	501.6	0.136	20.7	136	23.4	3.82	0.053	1.1	16.95
ING255	194562	8130373	0.045	5.94	1.075	0.07	52.7	1.1	156	335.9	0.112	22.2	108	20.8	4.84	0.047	0.971	18.85

Sample ID	Easting	Northing	Ag ppm	Be ppm	Bi ppm	Ca %	Cs ppm	K %	Li ppm	Li_2O ppm	Na ppm	Nb ppm	Rb ppm	Sn ppm	Ta ppm	Te ppm	Tl ppm	W ppm
ING256	194610	8130375	0.04	4.9	0.749	0.1	37.6	1.14	132.5	285.3	0.125	16.45	89	10.4	2.44	0.042	0.79	9.74
ING257	194637	8130428	0.039	7.42	0.836	0.08	51.6	1.12	189.5	408.0	0.127	18.25	104	11.7	2.96	0.043	0.931	11
ING258	194677	8130465	0.06	6.53	0.765	0.21	35.2	1.65	169	363.9	0.245	17.55	165.5	9.08	1.82	0.049	1.025	13.65
ING259	194677	8130519	0.048	3.89	0.656	0.07	19.95	0.94	83.8	180.4	0.076	16.3	68.8	7.07	1.805	0.036	0.638	8.01
ING260	194712	8130557	0.06	4.73	0.629	0.16	18.1	1.22	87.9	189.2	0.087	15.9	95.1	6.71	1.355	0.046	0.778	9.33

Appendix B: JORC Code, 2012 Edition – Table 1 report

Section 1 Sampling Techniques and Data

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.	• Soil samples were systematically collected using industry-standard procedures, extracted from depths of approximately 20-30cm along pre-defined lines with a specified spacing. The collected samples, approximately ~0.5kg each, were sieved in the field to a size of 2mm. • Post-collection, the samples underwent controlled drying, and a ~50g split was extracted for transportation to Perth, Australia, while the remaining bulk was delivered by company personnel to ALS, Belo Horizonte. The ALS facility utilized the ME_MS61L analysis method for the assays. • Soil sampling was conducted on a predetermined 100m x 50m grid, aligning with industry standards for early-stage exploration. This grid spacing decision considered regional sampling practices, area-specific expertise, the quantity of collected samples, and the employed methods
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 Completed
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	• No Drilling Completed

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Criteria	JORC Code explanation	Commentary
	preferential loss/gain of fine/coarse material.	
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.	• General landform and sample medium/colour is noted for each sample.
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 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.	• Soil samples were collected under dry conditions, placed in numbered sturdy plastic bags, and grouped in poly-weave bags for dispatch to the laboratory. • Sample sizes ranged between 0.3-0.5 kg, ensuring representative portions for accurate analysis. • PEC personnel directly delivered the samples to the laboratory, maintaining a secure and safe transport process. At ALS Belo Horizonte, sample preparation procedures encompassed sorting, drying, crushing, and milling to facilitate subsequent analyses. • During sample sorting, weights were recorded, and any discrepancies (extra samples, insufficient sample, missing samples) were documented. • Laboratory-recorded sample weights provide additional data for comprehensive analysis and reporting
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.	• ALS implemented its standard QA/QC protocols • No standards duplicates or blanks accompany these initial samples that will not be used other than to indicate potentially interesting lithium contents of the variably weathered samples. • Checks of the analytical values of CRM's used by the laboratory against the CRM specification sheets were made to assess whether analyses were within acceptable limits.

Criteria	JORC Code explanation	Commentary
	• 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.	
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 verification will be undertaken for these initial samples that will not be used in any resource estimate. The samples are to determine the levels of Li and other valuable elements in grab samples.
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.	• Samples sites were located by handheld GPS (Garmin 65s), bagged, labelled. • The accuracy is considered sufficient for an early-exploration sampling program.
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 procedure(s) and classifications applied. • Whether sample compositing has been applied.	• No Drilling Conducted • No sample compositing has been applied.
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.	• Not applicable for the early-stage exploratory programs undertaken. • No Drilling Conducted.
Sample security	• The measures taken to ensure sample security.	• Samples have been securely packed in poly-weave backs and sealed with cable ties to mitigate contaminants or un-approved handling. • Samples were couriered to Belo Horizonte through PEC personnel and approve commercial couriers.

Criteria	JORC Code explanation	Commentary
Audits or reviews	• The results of any audits or reviews of sampling techniques and data.	• No reviews or audit completed to date.

Section 2 Reporting of Exploration Results

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.	• PEC own's 100% exploration rights on the following licenses. o Ponte Nova Prospect: 832.017/2023 o Ponte Nova Prospect: 832.018/2023 o Ponte Nova Prospect: 832.019/2023 o Itinga Prospect: 830.489/2023 o Itinga Prospect: 830.490/2023 o Paraiso Prospect: 830.491/2023 o Paraiso Prospect: 830.492/2023 o Itinga Prospect: 832.837/2023 o Itinga Prospect: 830.226/2021 o Bontempi Prospect: 832.503/2003 o Bontempi Prospect: 831.542/2004 o Isabella Project: 830.167/2013 o Matrix Project: 832.169/1995 o Igrejinha Project: 830.224/2004 o Renaldinho Project: 830.851/2010
Exploration done by other parties	• Acknowledgment and appraisal of exploration by other parties.	• No prior formal exploration is known however there has been some informal exploration and artisanal mining.
Geology	• Deposit type, geological setting and style of mineralisation.	• The geological features of the areas consist of granite & sedimentary rocks from the Neoproterozoic era within the Araçuaí Orogen. These rocks have been intruded by fertile pegmatites rich in lithium, which have formed through the separation of magmatic fluids from peraluminous S-type granitoids and leucogranites associated with the Araçuaí Orogen.
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: o easting and northing of the drill hole collar o elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar o dip and azimuth of the hole o down hole length and interception depth o hole length. • If the exclusion of this information is justified on the basis that the information is	• No drilling activities are being reported. • The co-ordinates of the soil samples have been provided with the relevant assay information in Appendix A.

Criteria	JORC Code explanation	Commentary
	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.	
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. • 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.	• No drilling activities are being reported. • No aggregation methods applied.
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 activities are being reported.
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.	• Maps and images are included within body of text.
Balanced reporting	• Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of	• All relevant and material exploration data for the target areas discussed, has been reported or referenced.

Criteria	JORC Code explanation	Commentary
	both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.	
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.	• All relevant and material exploration data for the target areas discussed, has been reported or referenced.
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.	• Field Reconnaissance: Continued fieldwork across new tenements to identify and prioritize targets. • Drill Preparations: Finalising negotiations with local drill contractors for Q2 2025 readiness. • Drill Commencement: Planned for June 2025.