

Monday, 22 January 2024  
Australian Securities Exchange Limited  
Level 40, Central Park,  
152-158 St Georges Terrace  
PERTH WA 6000

## **Analysis of Historic Database at SQM adjacent Bamboo Creek Project Unearths Promising Lithium Rock Chip Results**

Ironbark Zinc Limited (“**Ironbark**”, “**the Company**”, or “**IBG**”) is pleased to update the market regarding ongoing analysis of historic exploration results from its Bamboo Creek Project in Western Australia. For further information regarding the acquisition of the Bamboo Creek Project, please see the ASX release dated 11 December 2023 (“**IBG Option over Pilbara Projects; Completes \$0.6m Placement**”) and the accompanying Company Presentation released on the same day.

### **HIGHLIGHTS**

- Analysis of rock chip data collected during 2018 & 2019 on the Bamboo Creek Project (E 45/4560 and E 45/4853) has unearthed three samples returning assays of over 100ppm Lithium with
  - the peak value being **199ppm Li** in the northern part of the Bamboo Creek Project area; and
  - two samples **over 100ppm Li** from a large outcropping quartz vein 600m west of the Nobb Hill Prospect
- IBG has engaged Lithium experts CSA Global to assist with ongoing analysis of the historic geochemical database with further results expected in the coming weeks, including of the more well-known Copper-Gold mineralisation in the Project Area (inclusive of Daltons further to the west)
- As part of its ongoing assessment of the Projects during the Option period, it is anticipated Ironbark will be conducting new exploration activities at the Bamboo Creek & Daltons Projects between February and April 2024

IBG Managing Director Michael Jardine commented:

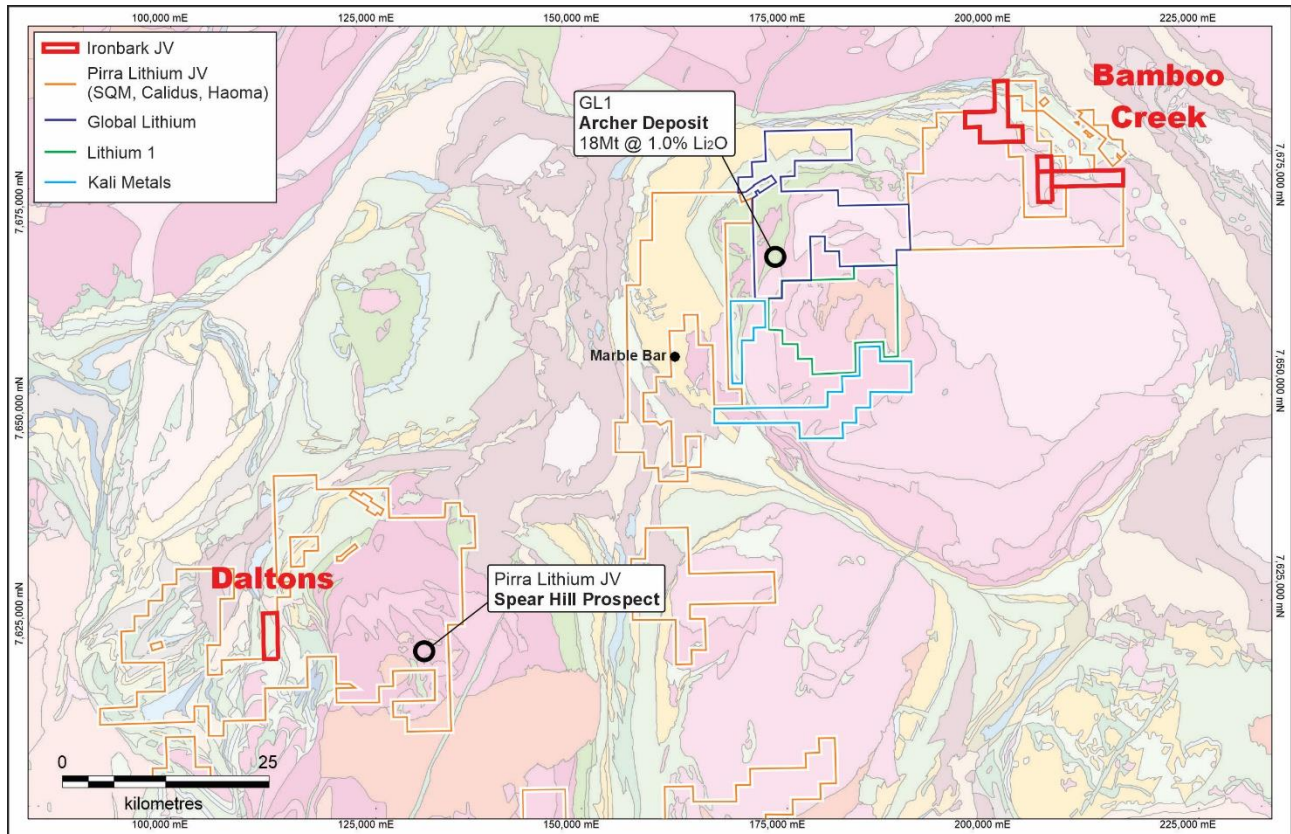
*“Bamboo Creek and Daltons have been relatively lightly explored in the past, for example Bamboo Creek has seen very little drilling historically, with exploration activity aimed primarily at Copper-Gold and a range of other minerals. Importantly nobody has ever looked for Lithium here before and we are pleased that this preliminary re-examination of the data has shown some positive early signs of prospectivity.*

*The Projects are in a rapidly emerging area for Lithium exploration, nearby to both Global Lithium and the SQM led Pirra Lithium JV, and the Option deal we struck in late December 2023 allows us time to properly de-risk a decision to proceed to the earn-in phase. Our initial review is showing good promise and I look forward to sharing further developments with shareholders as soon as we’re able to do so.”*

## Discussion of Results

Bamboo Creek is located north-east of Marble Bar in the Pilbara region of Western Australia (see Figure 1) close by to the SQM led Pirra Lithium JV, Global Lithium and recently listed Kali Metals.

Figure 1 – Bamboo Creek is located in the East Pilbara immediately adjacent to SQM’s Pirra Lithium JV

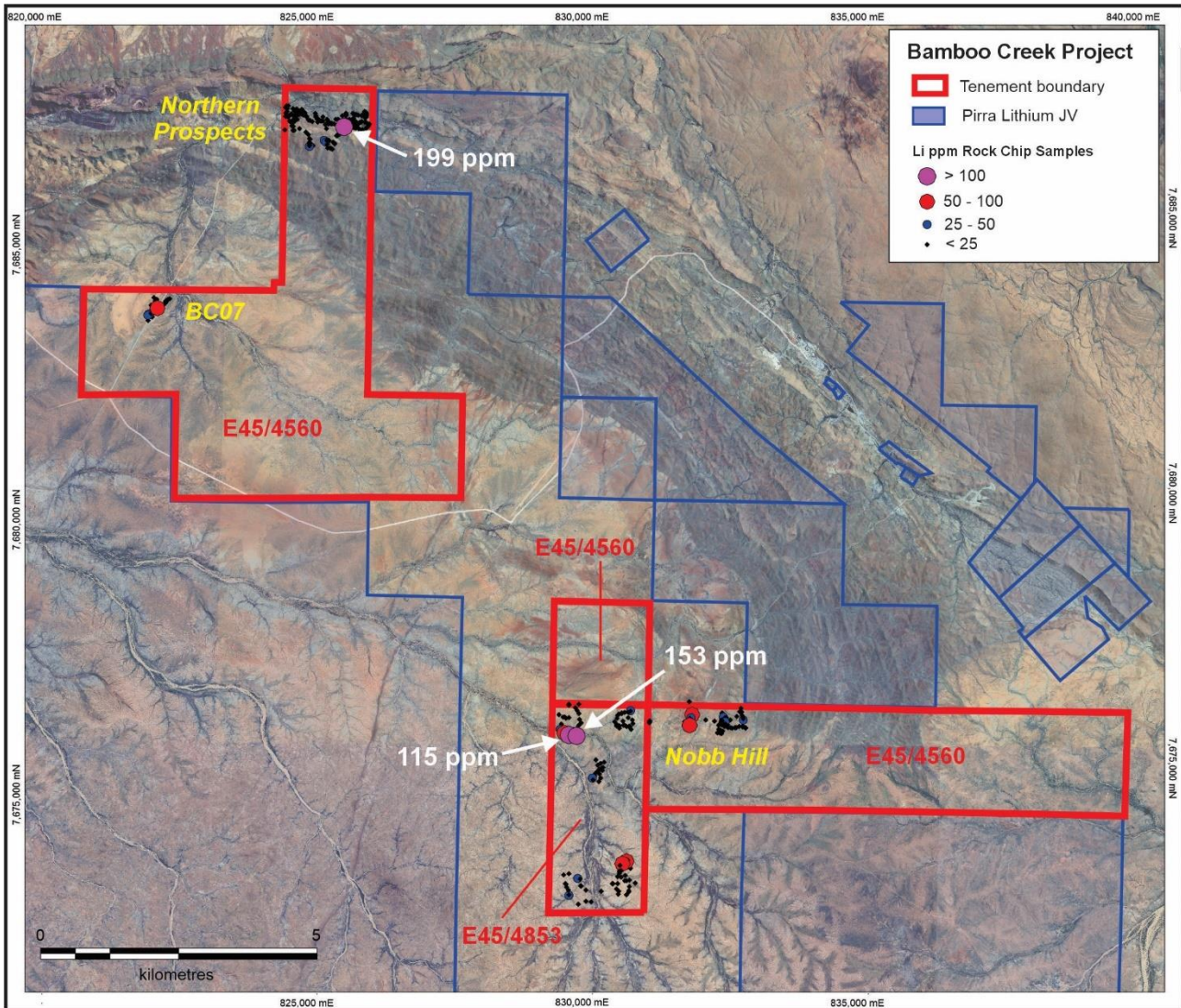


In 2018 and 2019, MinRex Resources Limited (ASX:MRR) (“**MinRex**”) completed several campaigns of rock chip sampling across the Bamboo Creek Project. The exploration was predominantly targeting gold mineralisation and to a lesser extent base metals. These samples were collected from a wide spread of rock types, outcrop, float and scree zones.

In total, 510 samples were taken and assayed for numerous elements including Lithium. Three of the rock chip samples returned an assay of over 100ppm Lithium with the peak value being 199ppm Li in the northern part of the Project area, and two samples over 100ppm Li from a large outcropping quartz vein 600m west of the Nobb Hill Prospect (see Figure 2).

Importantly, these samples were collected as part of a Gold & Copper focused exploration program therefore they may or may not be indicative of the most prospective project areas for Lithium.

Figure 2 – Location of Rock Chip Samples Noting Proximity of 199ppm result to SQM's Pirra Lithium JV



The northern prospect samples were collected from the Northern Area ultramafic rock sequence, which represents the along strike continuation of the Bamboo Creek goldfield. Samples collected at the BC07 prospect area were from an extensive quartz vein system and also into the footwall and hanging wall rocks, which include extensive xenoliths and rafts of greenstones within the roof zone of the Coppin Gap Granodiorite, and a dolerite intrusion.

A total of 40 samples were collected at the large, coarse-grained ultramafic intrusion, in the eastern portion of E45/4560, which comprises the Nobb Hill prospect. This prominent hill outcrops in the eastern portion of the licence and consists of layered bands of serpentinised peridotite and metapyroxenite, with some talcose alteration zones. Relatively few samples have been collected from this prospect and the extent of any mineralisation within the intrusive body is as yet poorly understood.

Please see Appendix 1 and JORC Tables 1 at the end of this announcement for further details of the exploration results.

**Further Details**

This notice is authorised to be issued by the Board. Please contact Managing Director Mr Michael Jardine for any further inquiries at [mjardine@ironbark.gl](mailto:mjardine@ironbark.gl) or +61 424 615 047.

## Appendix 1 – Rock Chip Sample Assay Results

SampleNo	Easting	Northing	Li_ppm
BBR001	200330	7687559	1.40
BBR002	200268	7687460	3.10
BBR003	200325	7687457	11.70
BBR004	200323	7687457	20.80
BBR005	200329	7687469	17.00
BBR006	200330	7687465	10.20
BBR007	200320	7687499	4.40
BBR008	200171	7687306	5.70
BBR009	200318	7687301	2.20
BBR010	200336	7687300	1.90
BBR011	200434	7687334	5.00
BBR012	200557	7687278	6.00
BBR013	200633	7687152	0.70
BBR014	200684	7687040	0.60
BBR015	200684	7687040	3.40
BBR016	200631	7686994	3.60
BBR017	200624	7687052	0.50
BBR018	200625	7687075	0.20
BBR019	200622	7687085	0.50
BBR020	200388	7687503	1.80
BBR021	200367	7687517	0.40
BBR022	197856	7684033	1.50
BBR023	197903	7684172	7.20
BBR024	197957	7684136	4.00
BBR025	197932	7684105	15.50
BBR026	197908	7684050	0.60
BBR027	197903	7684030	0.80
BBR028	197898	7684014	0.20
BBR029	197899	7684004	0.20
BBR030	197879	7683974	0.60
BBR031	197820	7683747	2.20
BBR032	197887	7683821	0.60
BBR033	197826	7683836	2.90
BBR034	207188	7676825	0.30
BBR035	207179	7676817	0.20
BBR036	207183	7676788	0.00
BBR037	208494	7677016	0.60
BBR038	208495	7677005	0.80
BBR039	208519	7676946	26.70
BBR040	208552	7676941	0.60
BBR041	208577	7676939	0.80
BBR042	208650	7676900	0.30

SampleNo	Easting	Northing	Li_ppm
BBR043	208601	7676810	1.00
BBR044	208553	7676863	32.00
BBR045	208499	7676879	1.00
BBR046	207953	7676948	0.50
BBR047	207946	7676951	4.00
BBR048	207893	7677202	0.30
BBR049	197830	7683841	1.60
BBR050	197838	7683855	1.50
BBR051	200214	7687749	1.70
BBR052	200182	7687748	7.30
BBR053	200168	7687711	2.70
BBR054	200374	7687682	0.20
BBR055	200369	7687682	0.20
BBR056	200359	7687645	2.70
BBR057	200257	7687580	0.90
BBR058	200256	7687571	6.50
BBR059	200271	7687599	4.70
BBR060	200271	7687599	2.00
BBR061	201092	7687533	0.10
BBR062	201126	7687537	0.10
BBR063	201199	7687599	8.00
BBR064	201265	7687539	0.20
BBR065	201329	7687546	0.60
BBR066	201378	7687536	0.30
BBR067	201400	7687471	0.20
BBR068	201431	7687400	10.80
BBR069	201433	7687400	13.20
BBR070	201433	7687400	18.10
BBR071	201430	7687394	13.00
BBR072	201434	7687393	3.50
BBR073	201441	7687400	4.40
BBR074	201460	7687385	3.50
BBR075	201460	7687385	2.40
BBR076	201265	7687397	0.20
BBR077	200951	7687469	0.10
BBR078	200899	7687426	2.30
BBR079	200926	7687350	0.00
BBR080	200865	7687173	3.90
BBR081	200876	7687161	2.50
BBR082	200888	7687147	24.80
BBR083	200890	7687142	32.20
BBR084	200935	7687145	1.60

SampleNo	Easting	Northing	Li_ppm
BBR085	200935	7687131	0.70
BBR086	200935	7687131	9.50
BBR087	200933	7687128	5.30
BBR088	200924	7687113	25.40
BBR089	201260	7687647	9.30
BBR090	201267	7687649	9.10
BBR091	201277	7687622	1.70
BBR092	201410	7687562	1.70
BBR093	201425	7687510	0.10
BBR094	201439	7687507	0.80
BBR095	201436	7687462	0.60
BBR096	201437	7687461	2.70
BBR097	201476	7687470	2.20
BBR098	201484	7687468	6.20
BBR099	201502	7687476	1.70
BBR100	201528	7687481	1.70
BBR101	201553	7687502	0.90
BBR102	201557	7687511	1.30
BBR103	201607	7687588	1.50
BBR104	201629	7687584	0.50
BBR105	201628	7687592	0.10
BBR106	201630	7687601	0.10
BBR107	201636	7687633	0.00
BBR108	201637	7687630	1.60
BBR109	201632	7687657	0.20
BBR110	201630	7687685	0.10
BBR111	201605	7687690	0.50
BBR112	201608	7687695	0.90
BBR113	201588	7687635	0.00
BBR114	201576	7687630	0.00
BBR115	201560	7687620	4.80
BBR116	201555	7687615	0.30
BBR117	201487	7687621	7.80
BBR118	201457	7687628	18.00
BBR119	201420	7687631	19.50
BBR120	201393	7687649	0.50
BBR121	201270	7687606	0.20
BBR122	201193	7687503	0.10
BBR123	201201	7687446	0.30
BBR124	201207	7687425	0.10
BBR125	201213	7687408	0.10
BBR126	201225	7687400	0.20
BBR127	201244	7687383	0.20
BBR128	201167	7687277	2.20

SampleNo	Easting	Northing	Li_ppm
BBR129	201172	7687270	0.30
BBR130	201130	7687249	2.10
BBR131	201125	7687236	1.20
BBR132	201107	7687231	3.50
BBR133	201072	7687106	1.00
BBR134	201047	7687118	0.50
BBR135	200975	7687139	0.10
BBR136	200971	7687141	0.20
BBR137	200953	7687145	0.20
BBR138	200945	7687154	2.10
BBR139	200945	7687154	1.50
BBR140	200940	7687136	3.90
BBR141	200945	7687065	2.90
BBR142	200960	7687007	1.60
BBR143	200997	7687004	4.40
BBR144	201023	7687001	1.00
BBR145	201047	7686986	0.80
BBR146	201086	7687082	3.20
BBR147	201266	7687416	3.00
BBR148	201418	7687445	1.60
BBR149	201177	7687436	4.50
BBR150	201176	7687438	0.20
BBR151	197998	7684062	6.50
BBR152	197999	7684059	5.50
BBR153	198007	7684049	6.10
BBR154	198007	7684049	1.00
BBR155	198008	7684046	4.30
BBR156	198009	7684044	3.20
BBR157	198013	7684032	2.20
BBR158	198014	7684031	9.60
BBR159	198014	7684031	4.40
BBR160	198016	7684020	2.80
BBR161	198004	7684042	15.60
BBR162	198058	7684013	0.20
BBR163	198022	7683975	2.20
BBR164	197969	7683906	0.60
BBR165	197917	7683897	1.50
BBR166	197852	7683877	0.70
BBR167	197843	7683868	1.40
BBR168	197826	7683839	1.80
BBR169	197884	7683936	1.50
BBR170	197904	7683969	0.80
BBR171	200659	7687473	16.40
BBR172	200593	7687235	2.40

SampleNo	Easting	Northing	Li_ppm
BBR173	200625	7687076	0.30
BBR174	200625	7687076	0.10
BBR175	200625	7687076	0.30
BBR176	200622	7687071	0.70
BBR177	200624	7687057	0.20
BBR178	200624	7687044	0.80
BBR179	200631	7686993	7.00
BBR180	200629	7687022	6.60
BBR181	200626	7687025	33.40
BBR182	200624	7687067	7.00
BBR183	200625	7687070	10.30
BBR184	200627	7687047	4.00
BBR185	200622	7687049	4.80
BBR186	200632	7687081	5.20
BBR187	200623	7687037	0.50
BBR188	200623	7687037	0.70
BBR189	200623	7687100	6.00
BBR190	200617	7687167	5.00
BBR191	208549	7676772	0.80
BBR192	208609	7676753	1.60
BBR193	208655	7676757	0.80
BBR194	208689	7676754	0.20
BBR195	208736	7676757	0.70
BBR196	208765	7676766	8.30
BBR197	208812	7676783	1.80
BBR198	208875	7676773	1.60
BBR199	208932	7676760	1.20
BBR200	208929	7676771	0.70
BBR201	208877	7676795	4.30
BBR202	208885	7676904	44.30
BBR203	208880	7676929	12.80
BBR204	208870	7676963	4.70
BBR205	208864	7676992	14.70
BBR206	208850	7677038	12.90
BBR207	208847	7677058	0.30
BBR208	208836	7677121	1.00
BBR209	208816	7677049	0.30
BBR210	208766	7676968	2.10
BBR211	200199	7687635	0.00
BBR212	200181	7687610	0.00
BBR213	200181	7687608	0.00
BBR214	200164	7687551	0.00
BBR215	200208	7687541	0.00
BBR216	200235	7687558	0.00

SampleNo	Easting	Northing	Li_ppm
BBR217	200244	7687469	0.00
BBR218	200261	7687460	0.00
BBR219	200295	7687385	0.00
BBR220	200315	7687370	0.00
BBR221	200318	7687380	0.12
BBR222	200367	7687570	0.00
BBR223	200409	7687591	0.00
BBR224	200366	7687599	0.00
BBR225	200359	7687646	0.02
BBR226	200344	7687670	0.02
BBR227	200335	7687674	0.10
BBR228	200305	7687694	0.12
BBR229	200459	7687685	0.04
BBR230	200477	7687647	0.00
BBR231	200478	7687651	0.00
BBR232	200502	7687586	0.00
BBR233	200555	7687566	0.04
BBR234	200556	7687569	0.08
BBR235	200549	7687550	0.04
BBR236	200587	7687499	0.02
BBR237	200624	7687491	0.04
BBR238	200754	7687462	0.00
BBR239	200745	7687517	0.00
BBR240	200727	7687560	0.00
BBR241	200724	7687580	0.00
BBR242	200713	7687625	0.00
BBR243	200465	7687668	0.00
BBR244	200384	7687665	0.00
BBR245	200200	7687695	0.42
BBR246	200321	7687656	0.00
BBR247	200364	7687651	0.00
BBR248	200427	7687628	0.00
BBR249	200457	7687611	0.02
BBR250	200453	7687608	0.02
BBR251	200517	7687620	0.00
BBR252	200521	7687623	0.00
BBR253	200505	7687637	0.04
BBR254	200470	7687635	0.00
BBR255	200434	7687643	0.00
BBR256	200392	7687660	0.00
BBR257	200852	7687561	0.02
BBR258	200749	7687536	0.00
BBR259	200753	7687532	0.02
BBR260	200815	7687490	0.00

SampleNo	Easting	Northing	Li_ppm
BBR261	200827	7687489	0.00
BBR262	200851	7687491	0.06
BBR263	200952	7687445	0.00
BBR264	200969	7687459	0.08
BBR265	200981	7687452	0.00
BBR266	200992	7687451	0.00
BBR267	200999	7687457	0.00
BBR268	201006	7687452	0.08
BBR269	201015	7687453	0.02
BBR270	201018	7687446	1.38
BBR271	200949	7687493	0.00
BBR272	200932	7687528	0.00
BBR273	201061	7687442	0.32
BBR274	201209	7687395	7.00
BBR275	201204	7687400	9.06
BBR276	201208	7687415	2.36
BBR277	201199	7687427	1.48
BBR278	201223	7687460	0.04
BBR279	201239	7687474	0.10
BBR280	201238	7687446	0.26
BBR281	201240	7687442	15.90
BBR282	201235	7687424	0.28
BBR283	201238	7687399	199.00
BBR284	201259	7687397	0.54
BBR285	201249	7687397	2.86
BBR286	201242	7687384	0.36
BBR287	201236	7687395	29.80
BBR288	201190	7687467	0.08
BBR289	201252	7687471	0.10
BBR290	201362	7687434	0.10
BBR291	201416	7687394	0.02
BBR292	201461	7687410	0.00
BBR293	201483	7687396	0.00
BBR294	201493	7687388	0.04
BBR295	201507	7687373	0.02
BBR296	201557	7687361	0.00
BBR297	201588	7687362	0.04
BBR298	201643	7687393	0.06
BBR299	201660	7687407	0.00
BBR300	201673	7687422	0.02
BBR301	201685	7687446	0.00
BBR302	201700	7687472	0.00
BBR303	201646	7687489	0.00
BBR304	201630	7687496	0.00

SampleNo	Easting	Northing	Li_ppm
BBR305	201610	7687495	0.28
BBR306	201548	7687491	0.00
BBR307	201526	7687490	0.00
BBR308	201461	7687494	0.00
BBR309	201357	7687490	0.00
BBR310	201295	7687475	0.00
BBR311	207986	7677034	1.52
BBR312	207990	7677026	0.10
BBR313	207978	7676991	0.24
BBR314	207972	7676984	4.32
BBR315	207956	7676966	83.40
BBR316	207946	7676945	6.22
BBR317	207942	7676944	1.78
BBR318	207932	7676932	73.50
BBR319	207934	7676916	22.70
BBR320	207930	7676917	49.60
BBR321	207917	7676902	1.00
BBR322	207912	7676885	0.70
BBR323	207905	7676870	7.98
BBR324	207891	7676856	0.36
BBR325	207881	7676853	0.68
BBR326	207851	7676846	0.40
BBR327	207817	7676833	0.86
BBR328	208207	7676875	0.22
BBR329	208368	7676860	0.42
BBR330	208486	7676877	1.18
BBR331	208492	7676886	0.18
BBR332	208496	7676873	1.08
BBR333	208485	7676847	0.08
BBR334	208502	7676841	0.04
BBR335	208491	7676827	1.04
BBR336	208492	7676805	0.48
BBR337	208512	7676804	0.46
BBR338	208521	7676808	0.06
BBR339	208555	7676816	0.30
BBR340	208565	7676817	0.30
BBR341	208532	7676789	0.18
BBR342	208516	7676693	1.88
BBR343	208480	7676711	1.30
BBR344	208439	7676718	0.74
BBR345	208503	7676651	1.04
BBR346	208491	7676652	1.54
BBR347	208467	7676657	0.78
BBR348	208430	7676657	1.56

SampleNo	Easting	Northing	Li_ppm
BBR349	208492	7676802	0.46
BBR350	208438	7676793	0.84
BBR351	198194	7684159	0.04
BBR352	198167	7684153	0.30
BBR353	198142	7684128	1.00
BBR354	198136	7684117	2.08
BBR355	198134	7684115	21.90
BBR356	198129	7684105	2.52
BBR357	198118	7684111	5.44
BBR358	198118	7684096	1.86
BBR359	198121	7684083	12.80
BBR360	198074	7684031	10.50
BBR361	198069	7684033	0.38
BBR362	198051	7684006	1.08
BBR363	198036	7684016	8.18
BBR364	198014	7684012	4.70
BBR365	197996	7684003	1.04
BBR366	197982	7684000	1.00
BBR367	197982	7683995	1.78
BBR368	197974	7683981	55.70
BBR369	197970	7683968	2.38
BBR370	197963	7683963	0.50
BBR371	197861	7683914	0.42
BBR372	197869	7683937	1.08
BBR373	197874	7683923	7.02
BBR374	197889	7683949	9.52
BBR375	197894	7683960	5.92
BBR376	197896	7683965	2.70
BBR377	197903	7683974	1.38
BBR378	197924	7683964	6.06
BBR379	197937	7683948	0.98
BBR380	197914	7683954	2.34
BBR381	197845	7683870	4.70
BBR382	197846	7683874	31.90
BBR383	197842	7683869	5.76
BBR384	197826	7683865	44.00
BBR385	197820	7683857	10.00
BBR386	197818	7683855	7.76
BBR387	197806	7683842	9.26
BBR388	197800	7683832	0.84
BBR389	197814	7683849	30.00
BBR390	197863	7683884	1.46
BCR001	206885	7673657	1.3
BCR002	206924	7673712	0.3

SampleNo	Easting	Northing	Li_ppm
BCR003	206927	7673731	0.2
BCR004	206933	7673805	0.5
BCR005	207038	7673867	0.4
BCR006	206928	7673917	0
BCR007	206878	7673908	0
BCR008	206848	7673912	0
BCR009	206719	7673851	1.2
BCR010	206628	7673851	1.1
BCR011	206620	7673851	0.2
BCR012	206695	7673751	0.6
BCR013	206741	7673711	0.2
BCR014	206732	7673659	0
BCR015	206256	7673506	1.1
BCR016	206156	7673506	0.6
BCR017	206022	7673450	0
BCR018	205863	7673584	0.2
BCR019	205839	7673603	45.1
BCR020	205846	7673611	1.2
BCR021	205829	7673697	0.5
BCR022	205791	7673756	0.3
BCR023	205783	7673802	3.5
BCR024	205775	7673815	0.4
BCR025	205727	7673970	0.3
BCR026	205823	7673996	0.2
BCR027	205951	7673930	0.2
BCR028	205978	7673921	0.3
BCR029	205992	7673919	34.7
BCR030	206030	7673905	0.2
BCR031	206050	7673778	0.5
BCR032	206060	7673777	0.3
BCR033	206147	7673709	0.2
BCR034	206428	7673705	0.3
BCR035	206716	7673978	0
BCR036	206779	7673971	3.6
BCR037	206854	7674008	0.2
BCR038	206941	7674135	0.2
BCR039	206921	7674153	0.2
BCR040	206918	7674152	0.3
BCR041	206866	7674180	0
BCR042	206863	7674259	76.8
BCR043	206880	7674278	0.5
BCR044	206817	7674242	0.5
BCR045	206790	7674220	69.5
BCR046	206751	7674184	0.4



SampleNo	Easting	Northing	Li_ppm
BCR047	206770	7674084	0.5
BCR048	206744	7674078	1.1
BCR049	206744	7674078	1.7
BCR050	206745	7674039	2.2
BCR051	206360	7675894	0.6
BCR052	206324	7675916	0.9
BCR053	206300	7675903	18.9
BCR054	206308	7675912	4.7
BCR055	206348	7675931	21.8
BCR056	206372	7675946	1.7
BCR057	206388	7676043	0.9
BCR058	206322	7676024	8.2
BCR059	206240	7676086	2.2
BCR060	206279	7675986	0.7
BCR061	206254	7675861	4.6
BCR062	206241	7675838	0.2
BCR063	206229	7675798	0.9
BCR064	206223	7675769	3.2
BCR065	206183	7675748	8.6
BCR066	206183	7675748	49.6
BCR067	206201	7675713	0.3
BCR068	206308	7675685	1.3
BCR069	206334	7675750	1.8
BCR070	206317	7675825	9.9
BCR071	205713	7677071	1.00
BCR072	205714	7677051	2.60
BCR073	205726	7676833	0.40
BCR074	205665	7676821	12.10
BCR075	205641	7676833	0.60
BCR076	205615	7676840	4.70
BCR077	205542	7676873	0.60
BCR078	205617	7676552	1.00
BCR079	205582	7676708	14.70
BCR080	205574	7676607	26.50
BCR081	205563	7676575	2.40
BCR082	205650	7676546	71.40
BCR083	205723	7676537	115.00
BCR084	205744	7676525	22.50
BCR085	205775	7676505	153.00
BCR086	205832	7676476	2.80
BCR087	205882	7676639	9.40
BCR088	205815	7676616	3.50
BCR089	205902	7676698	3.80
BCR090	205949	7676746	8.40

SampleNo	Easting	Northing	Li_ppm
BCR091	205916	7676800	1.30
BCR092	205903	7676907	0.60
BCR093	205867	7676964	0.50
BCR094	205832	7677016	1.20
BCR095	205895	7677077	1.00
BCR096	206834	7676994	27.00
BCR097	206793	7676970	0.30
BCR098	206732	7676962	0.60
BCR099	206675	7676946	17.60
BCR100	206675	7676943	1.90
BCR101	206623	7676929	2.20
BCR102	206608	7676901	0.30
BCR103	206599	7676856	1.30
BCR104	206559	7676788	1.00
BCR105	206592	7676746	3.40
BCR106	206590	7676710	0.90
BCR107	206640	7676711	1.70
BCR108	206646	7676669	0.30
BCR109	206717	7676730	0.80
BCR110	206773	7676713	2.20
BCR111	206812	7676706	0.70
BCR112	206820	7676710	5.70
BCR113	206834	7676714	3.40
BCR114	206884	7676771	0.30
BCR115	206873	7676827	1.00
BCR116	206839	7676985	1.40
BCR117	206854	7676663	0.50
BCR118	206726	7676741	0.50
BCR119	206700	7676806	0.40
BCR120	206795	7676867	15.30

## Competent Persons Statement

The information included in this report that relates to Exploration Results & Mineral Resources is based on and fairly represents information compiled or reviewed by Ms Elizabeth Laursen (B. ESc Hons (Geol), GradDip App. Fin., MSEG, MAIG), an employee of Ironbark Zinc Limited. Ms Laursen has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking 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. Ms Laursen is a member of the Australian Institute of Geoscientists and Society of Economic Geologists. Ms Laursen consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.

## Competent Persons Disclosure

Ms Laursen is an employee of Ironbark Zinc Limited and currently holds securities in the company.

## JORC Table 1

### Section 1 Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	<ul style="list-style-type: none"> <li>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.</li> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <li>Aspects of the determination of mineralisation that are Material to the Public Report.</li> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>Samples were collected by MinRex Resources Limited (MinREX) during 2018 - 2019 and work was considered to be qualitative and exploratory rather than quantitative and representative. The Bamboo Creek Projects remains in an early exploration phase.</li> <li>MinRex managed its exploration and assaying activities in accordance with industry standard quality assurance and quality control procedures. Samples are collected by appropriately trained personnel and prepared in accordance with specified procedures.</li> </ul>
Drilling techniques	<ul style="list-style-type: none"> <li>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).</li> </ul>	<ul style="list-style-type: none"> <li>No drilling has been conducted.</li> </ul>
Drill sample recovery	<ul style="list-style-type: none"> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> <li>Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>No drilling has been conducted.</li> </ul>
Logging	<ul style="list-style-type: none"> <li>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.</li> <li>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</li> <li>The total length and percentage of the relevant intersections logged.</li> </ul>	<ul style="list-style-type: none"> <li>All surface samples were geologically logged.</li> </ul>

Criteria	JORC Code explanation	Commentary
Sub-sampling techniques and sample preparation	<ul style="list-style-type: none"> <li>If core, whether cut or sawn and whether quarter, half or all core taken.</li> <li>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</li> <li>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> <li>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</li> <li>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.</li> <li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li> </ul>	<ul style="list-style-type: none"> <li>Surface samples were of approximately 0.5-1kg weight and were collected into calico or plastic bags for transport to the assay lab.</li> <li>No field duplicates were taken.</li> </ul>
Quality of assay data and laboratory tests	<ul style="list-style-type: none"> <li>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li> <li>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.</li> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>Samples were submitted to Ultra Trace Laboratories in Perth.</li> <li>Samples were dried, crushed and pulverised in a vibrating disc pulveriser.</li> <li>The samples were digested with Aqua Regia and analysed by ICP-OES.</li> </ul>
Verification of sampling and assaying	<ul style="list-style-type: none"> <li>The verification of significant intersections by either independent or alternative company personnel.</li> <li>The use of twinned holes.</li> <li>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</li> <li>Discuss any adjustment to assay data.</li> </ul>	<ul style="list-style-type: none"> <li>No independent verification was deemed necessary for early exploration work.</li> <li>No adjustment was made to the assay data.</li> </ul>
Location of data points	<ul style="list-style-type: none"> <li>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.</li> <li>Specification of the grid system used.</li> <li>Quality and adequacy of topographic control.</li> </ul>	<ul style="list-style-type: none"> <li>Sample locations were picked up by handheld Garmin GPS with approximately 2.5m accuracy.</li> <li>No topographic control was established for the project area.</li> <li>Samples recorded in MGA GDA94 Zone 51.</li> </ul>
Data spacing and distribution	<ul style="list-style-type: none"> <li>Data spacing for reporting of Exploration Results.</li> <li>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.</li> <li>Whether sample compositing has been applied.</li> </ul>	<ul style="list-style-type: none"> <li>Rock chip sample locations were random.</li> </ul>
Orientation of data in relation to geological structure	<ul style="list-style-type: none"> <li>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</li> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>Orientation not applicable for early stage surface samples.</li> </ul>
Sample security	<ul style="list-style-type: none"> <li>The measures taken to ensure sample security.</li> </ul>	<ul style="list-style-type: none"> <li>Samples were placed directly into numbered bas in the field. These bags were then either stapled or tied. The samples were then placed into larger plastic bags and transported directly from the field to the laboratory by the field personnel.</li> </ul>
Audits or reviews	<ul style="list-style-type: none"> <li>The results of any audits or reviews of sampling techniques and data.</li> </ul>	<ul style="list-style-type: none"> <li>No audits or reviews undertaken.</li> </ul>

## Section 2 Reporting of Exploration Results

Criteria	JORC Code explanation	Commentary
<i>Mineral tenement and land tenure status</i>	<ul style="list-style-type: none"> <li>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.</li> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>The Bamboo Creek Project lies in two granted Exploration Licences – E45/4560 and E45/4853.</li> <li>The registered holder of the licences are wholly owned subsidiaries of Sorrento Resources Pty Ltd.</li> <li>Ironbark has a 6-month option over the two licences and can acquire up to 70% interest in the Bamboo Creek Project by issuing Sorrento either \$200,000 in IBG shares or 40 million IBG shares and spending \$1m over 3 years (see ASX announcement dated 11 Dec 2023 for more details).</li> </ul>
<i>Exploration done by other parties</i>	<ul style="list-style-type: none"> <li>Acknowledgment and appraisal of exploration by other parties.</li> </ul>	<ul style="list-style-type: none"> <li>The Bamboo Creek area has been explored previously by various exploration companies including Metals Exploration, Stockdale Prospecting, Haoma Mining, Artemis Resources and Metal Bank Ltd. Work included soils sampling, rock chip sampling, BLEG sampling, geophysical interpretation and geological mapping.</li> </ul>
<i>Geology</i>	<ul style="list-style-type: none"> <li>Deposit type, geological setting and style of mineralisation.</li> </ul>	<ul style="list-style-type: none"> <li>The project lies within the Archean Warrawoona Group Greenstone Belt.</li> <li>The project areas host Archean greenstones, predominantly metabasalts and high -Mg metabasalt with some metasediment, granite dykes and granitic intrusions.</li> </ul>
<i>Drill hole Information</i>	<ul style="list-style-type: none"> <li>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: <ul style="list-style-type: none"> <li>easting and northing of the drill hole collar</li> <li>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</li> <li>dip and azimuth of the hole</li> <li>down hole length and interception depth</li> <li>hole length.</li> </ul> </li> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>Appendix 1 contains the list of rock chip samples discussed in this announcement.</li> <li>No elevation, dip, down hole length and hole length is available as no drilling was undertaken.</li> </ul>
<i>Data aggregation methods</i>	<ul style="list-style-type: none"> <li>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.</li> <li>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.</li> <li>The assumptions used for any reporting of metal equivalent values should be clearly stated.</li> </ul>	<ul style="list-style-type: none"> <li>Rock chip samples are reported as point values.</li> <li>No aggregation was undertaken.</li> </ul>
<i>Relationship between mineralisation widths and intercept lengths</i>	<ul style="list-style-type: none"> <li>These relationships are particularly important in the reporting of Exploration Results.</li> <li>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</li> <li>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').</li> </ul>	<ul style="list-style-type: none"> <li>No mineralisation widths or intercepts have been reported.</li> </ul>
<i>Diagrams</i>	<ul style="list-style-type: none"> <li>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</li> </ul>	<ul style="list-style-type: none"> <li>Appropriate maps and diagrams and included in Figures 1 and 2.</li> </ul>

Criteria	JORC Code explanation	Commentary
	<i>collar locations and appropriate sectional views.</i>	
<i>Balanced reporting</i>	<ul style="list-style-type: none"> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>All lithium results are presented in Appendix 1.</li> </ul>
<i>Other substantive exploration data</i>	<ul style="list-style-type: none"> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>No other data is considered material.</li> </ul>
<i>Further work</i>	<ul style="list-style-type: none"> <li>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</li> <li>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</li> </ul>	<ul style="list-style-type: none"> <li>Further work on the project will include historic review of all available data and further surface sampling.</li> </ul>