ABx Group

ASX Announcement

10 February 2022

ASX: ABX

New rare earth discovery 52 km from Deep Leads
Thicker higher grades

Discovery of high grade REE at Portrush 52 km east of Deep Leads

ABx Group (ABx) has discovered a new rare earth element (REE) prospect at Portrush located 52 km east of ABx's Deep Leads REE project in northern Tasmania (see Figure 1)

Results from Portrush include hole PR033 grading 4,800 ppm total rare earth oxides (TREO)

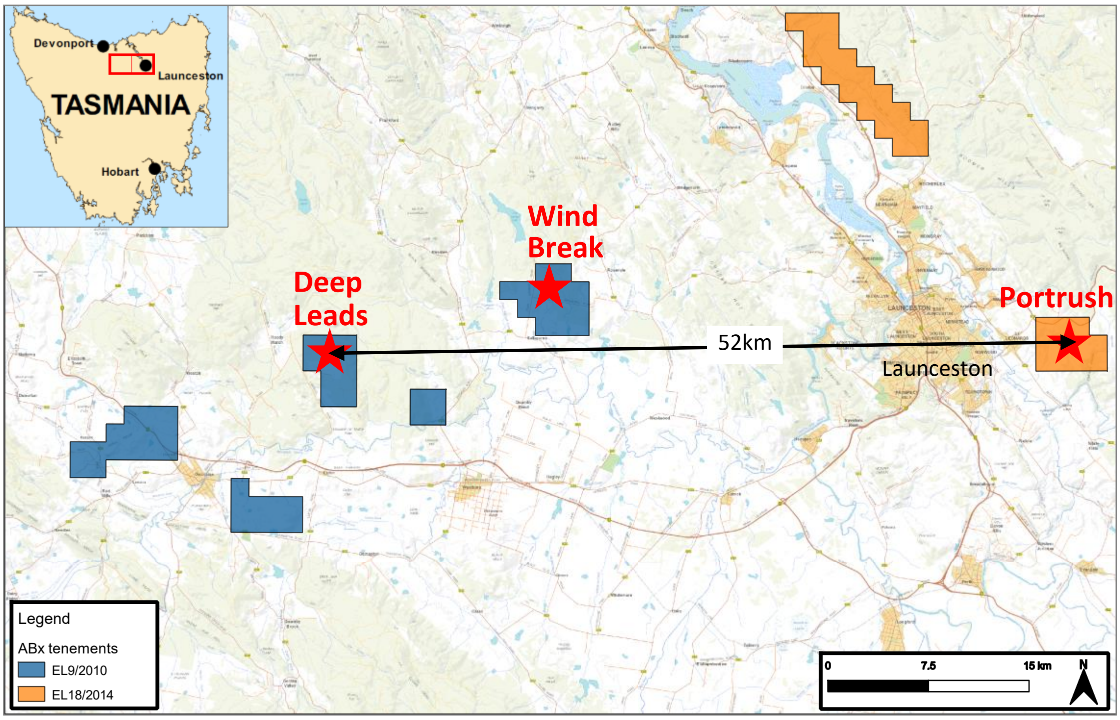

Figure 1: ABx leases and REE prospects in northern Tasmania.

Portrush REE discovery is 52km east of Deep Leads

Wind Break REE discovery is 16km northeast of Deep Leads

Deep Leads drill program delivered thicker, higher grade REE results:

Latest results at Deep Leads indicate thicker and higher-grade mineralisation. Holes at Deep Leads were stopped by the wet clays and broken ground of the mineralised horizon

Those holes that penetrated further into the mineralisation show a wide distribution of thicker, higher grade REE mineralisation that extends for several kms

The best intercept to date in hole DL190 is 5m thick, including a metre at 3,943ppm TREO

Discovery holes DL190, DL409 and DL403 confirm that the deposit continues strongly to the southeast and west – see Figures 2 and 3

A more powerful multi-purpose drill rig is being deployed to drill major step-out holes

Third discovery at Wind Break located 16 km northeast of Deep Leads confirms REE Province

37 holes at Wind Break project returned strong REE mineralisation at the bottom of the holes

Four of the holes had grades from 1,000 to above 1,500ppm TREO and two of the holes encountered mineralisation 4 m thick. All holes at Wind Break ended in REE mineralisation

ABx exploration manager, Paul Glover commented; "We are discovering better grades and thicker mineralisation over a much larger province than thought possible."

ABx operations manager, Nathan Towns commented; "Our next drill program will sample the full thickness of this shallow, clay-hosted REE and give us some indications of how large these discoveries can be. It's time to step-out much wider."

ABx REE discoveries across northern Tasmania

ABx is an emerging hi-technology and explorer-developer company that is the first company to discover clay-hosted REE in northern Tasmania, initially at Deep Leads. ABx's latest assay results confirm that ABx has now made REE discoveries in three locations (see Figure 1):

1. Deep Leads project
2. Wind Break project located 16 km northeast of Deep Leads
3. Portrush project located 52 km east of Deep Leads

Deep Leads project

In the latest drilling program, several holes were able to penetrate deeper into the REE mineralisation zone before becoming stuck. Without special equipment, drill rods become bogged in wet clays and drill bits get stuck in broken ground.

REE intercepts from those holes that penetrated further into the mineralisation are:

Hole	From m	To m	Nd_2O_3 ppm	Pr_2O_3 ppm	Dy_2O_3 ppm	Tb_2O_3 ppm	Sm_2O_3 ppm	Other REE ppm	TREO ppm
DL190	4	5	31	8	8	1	6	1,015	**1,068**
DL190	5	6	40	10	10	2	8	765	**835**
DL190	6	7	401	111	52	9	77	1,815	**2,466**
DL190	7	8	679	166	93	16	129	2,859	**3,943**
DL190	8	9	581	143	87	15	110	1,633	**2,568**

Discovery hole. DL190 is considered to be a discovery hole because it intersected 5m of REE mineralisation and included the highest grades at Deep Leads to date (**3,943 ppm TREO**).

DL190 is the southernmost hole, indicating a strengthening REE mineralisation trend towards the south-east which could extend for a considerable distance and is currently unexplored – (see Figure 2).

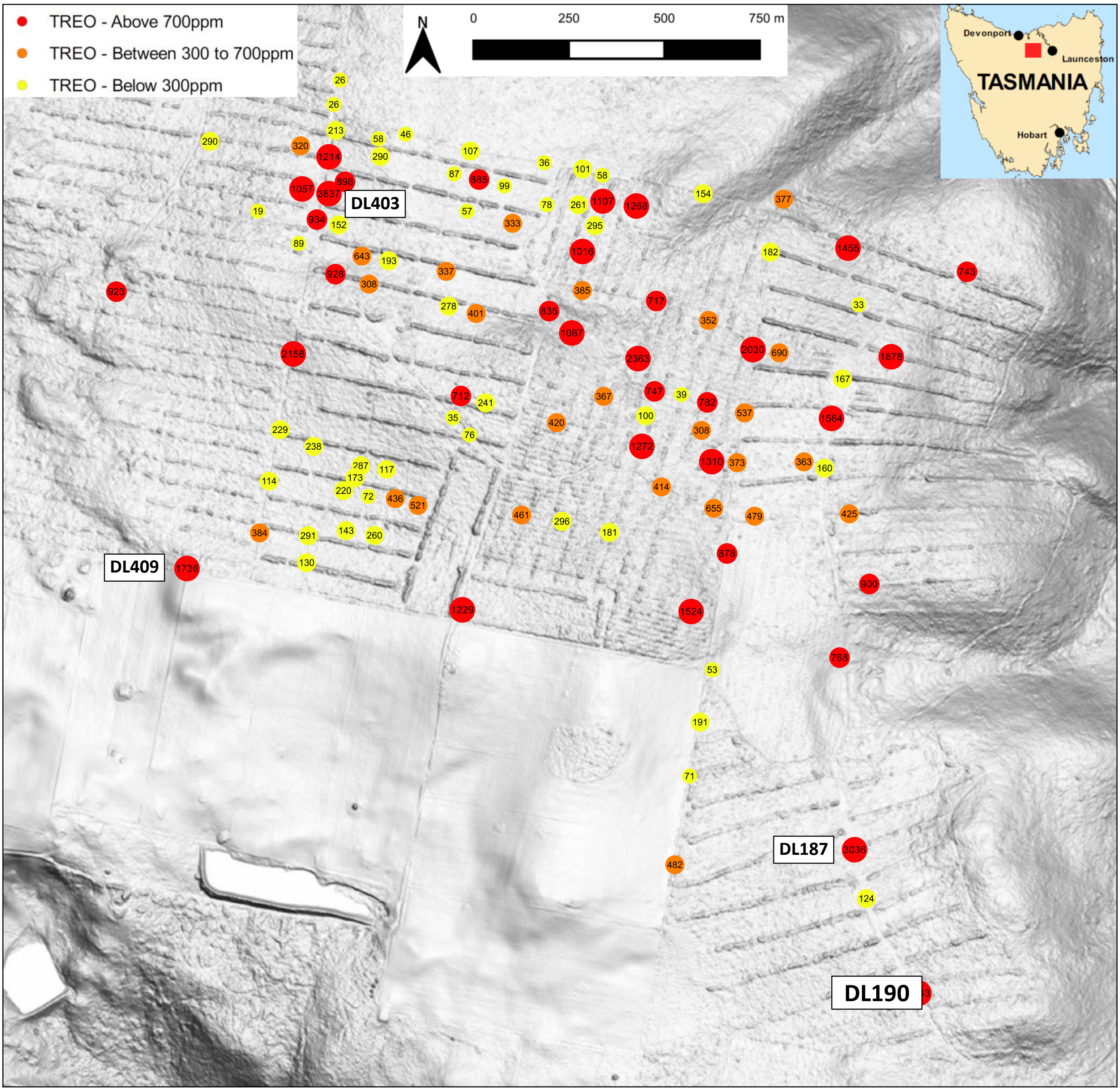

Figure 2: Deep Leads drillholes with highest REE grades shown as total rare earth oxide (TREO)

Hole	From	To	Nd_2O_3	Pr_2O_3	Dy_2O_3	Tb_2O_3	Sm_2O_3	Other REE	TREO
	m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DL187	4	5	28	8	7	1	6	659	**709**
DL187	5	6	37	9	9	2	10	1,845	**1,911**
DL187	5	6	41	12	13	2	9	2,380	**2,457**
DL187	6	7	63	16	19	3	20	2,914	**3,036**

DL187 is a shallow hole that is more enriched in cerium than usual, which usually occurs in samples above the main REE mineralised zone. DL187 is a strongly mineralised intercept, and a new hole is planned nearby to test to at least 15 metres depth.

Hole	From	To	Nd_2O_3	Pr_2O_3	Dy_2O_3	Tb_2O_3	Sm_2O_3	Other REE	TREO
	m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DL409	6	7	26	7	6	1	6	1,190	**1,236**
DL409	7	8	102	26	24	4	23	992	**1,170**
DL409	8	9	240	60	59	9	51	1,316	**1,736**
DL409	9	10	125	30	30	5	30	696	**916**

DL409 is located in the south-westernmost corner of the drilled area, which indicates that the southwestern edge of the plateau is well mineralised.

Hole	From	To	Nd_2O_3	Pr_2O_3	Dy_2O_3	Tb_2O_3	Sm_2O_3	Other REE	TREO
	m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DL403	6	7	659	144	174	31	188	1,873	**3,070**
DL403	7	8	804	177	231	40	238	2,348	**3,837**
DL403	8	9	717	157	213	37	211	2,110	**3,445**
DL403	9	10	772	167	230	41	238	2,077	**3,525**

DL403 discovered a thick, high-grade intercept in a high-grade area that is open to the northwest (see Figure 2). Hole DL403 ended still in high-grade REE mineralisation.

Step-out drilling target

A work-program has been designed to drill holes to significantly expand the drill coverage of the REE mineralisation at Deep Leads as shown in Figure 3.

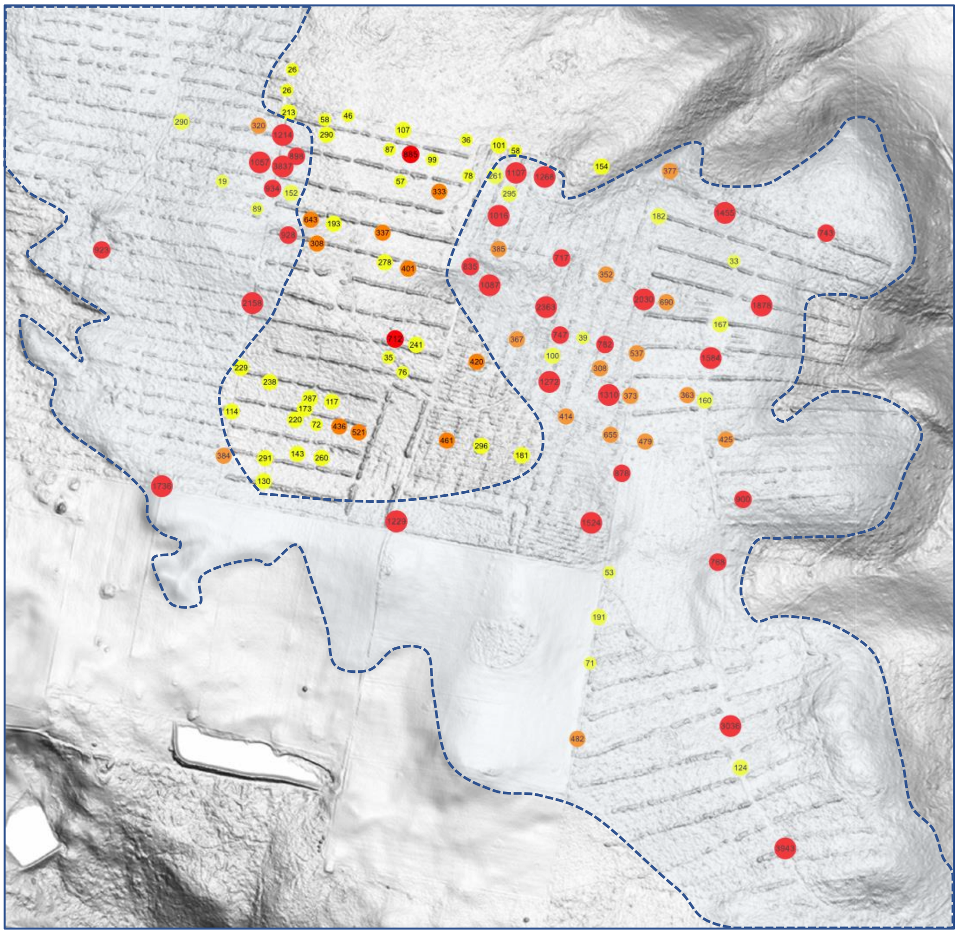

Figure 3: Potential REE resource zones at Deep Leads REE project (blue zone)

See Figure 2 for legend

Portrush project located 52 kms east of Deep Leads

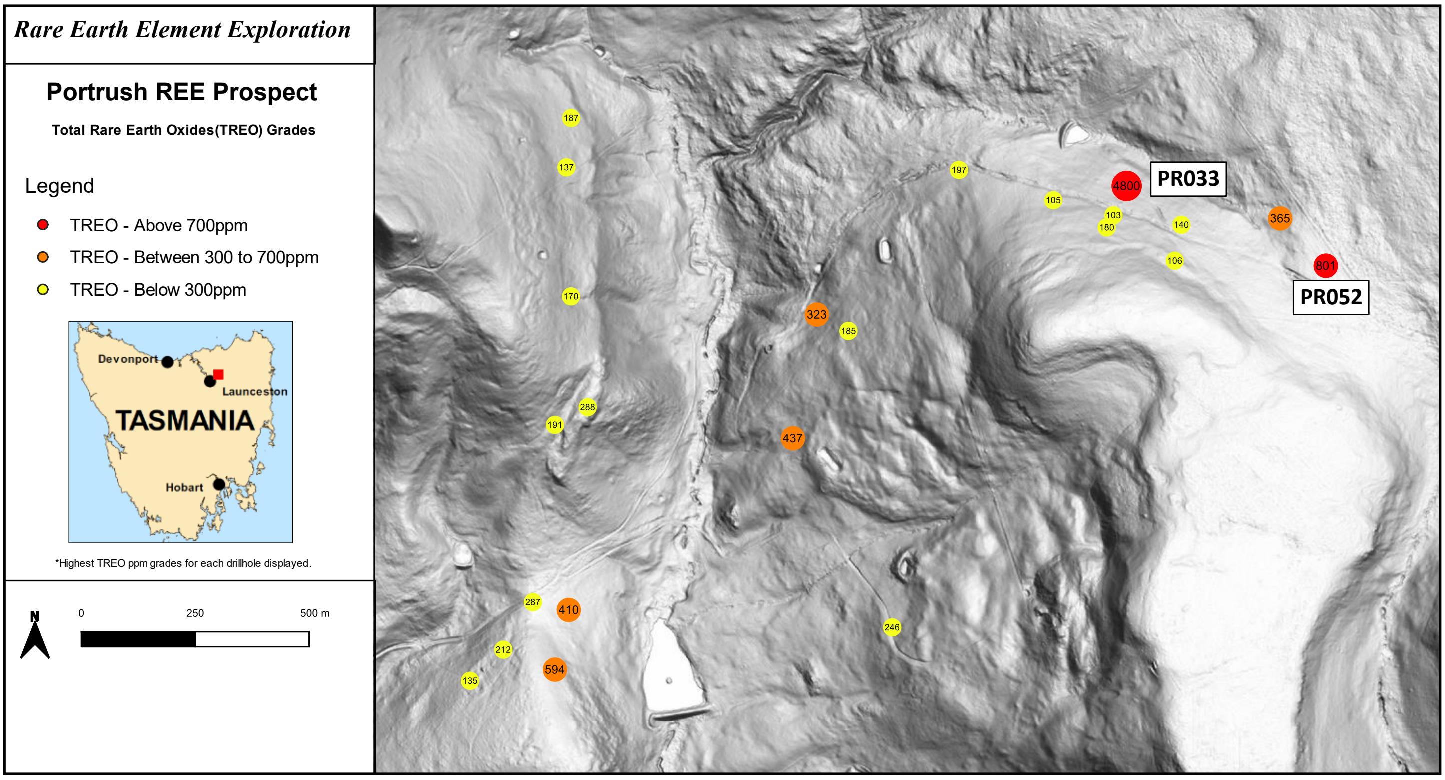

Figure 4: REE discovery holes at Portrush REE Project located 52km east of Deep Leads

Hole	From	To	Nd_2O_3	Pr_2O_3	Dy_2O_3	Tb_2O_3	Sm_2O_3	Other REE	TREO
	m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm
PR052	19	20	166	44	34	6	36	516	**801**

Hole	From	To	Nd_2O_3	Pr_2O_3	Dy_2O_3	Tb_2O_3	Sm_2O_3	Other REE	TREO
	m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm
PR033	11	12	581	139	270	39	146	3,624	**4,800**

Comments: Hole PR033 is the highest grade REE intercept to date in terms of TREO grades. It is from the final sample drilled in hole PR033 and shallower samples from 8 metres to 11 metres depth will also be assayed.

Wind Break project located 16 km northeast of Deep Leads

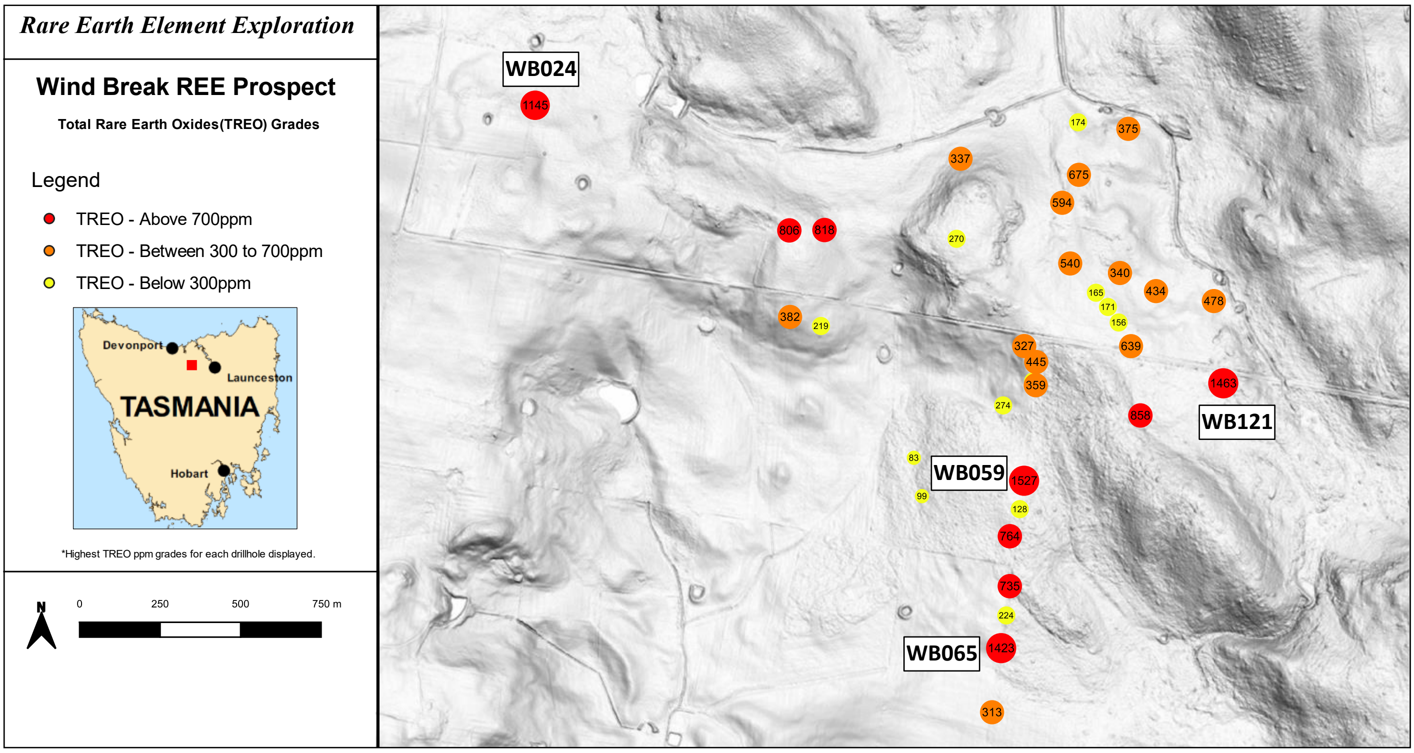

Figure 5: REE discovery holes at Wind Break REE Project located 16km east of Deep Leads

Hole	From m	To m	Nd_2O_3 ppm	Pr_2O_3 ppm	Dy_2O_3 ppm	Tb_2O_3 ppm	Sm_2O_3 ppm	Other REE ppm	TREO ppm
WB024	6	7	253	64	45	9	58	646	**1,075**
WB024	7	8	280	71	50	9	65	670	**1,145**

WB024 is well mineralised, shallow and ended in the mineralised horizon

WB059	9	10	282	74	52	9	58	922	**1,398**
WB059	12	13	239	57	67	11	53	1,099	**1,527**

WB059 is well mineralised and probably at least four metres thick (9 to 13m depth) and ended in the mineralised horizon

WB065	9	10	197	48	62	10	43	1,063	**1,423**

WB065 is well mineralised, shallow and ended in the mineralised horizon (1m sample only)

WB121	0	1	69	10	11	2	10	367	**469**
WB121	1	2	54	13	20	3	14	350	**454**
WB121	2	3	83	14	22	3	16	554	**693**
WB121	3	4	190	20	31	5	24	1,194	**1,463**

WB121 is mineralised at surface with increasing super-magnet REE grades with depth and ended in the mineralised horizon.

Conclusions

1. ABx's REE mineralisation is relatively enriched in the super-magnet suite of rare earth elements, namely neodymium (Nd), praseodymium (Pr), dysprosium (Dy), terbium (Tb) and samarium (Sm). These super-magnet REE are in short supply globally for use in electric vehicles, wind turbines, mobile phones, computers and military applications
2. ABx is increasing its ability to identify REE prospects in this geological district which has been subjected to a range of intense geological events
3. These latest assay results confirm that ABx has discovered a province that contains several prospects which are strongly enriched in clay-hosted REE mineralisation
4. ABx has selected a new drill rig that has the technology to drill through the entire REE mineralised horizon to confirm its thickness, grades and several other important geological features
5. ABx has designed a drilling campaign for this new drill rig that will extend the drill coverage a considerable distance outside the area that has been drilled at the Deep Leads project and this may allow ABx to undertake its maiden resource estimation later this year
6. ABx will also carry out exploration on several other target areas within its tenements that have the geological features that ABx considers to be prospective for REE
7. ABx is pursuing additional tenements in northern Tasmania, focussing on favourable geology in blocks of land which may be amenable to early development.

This announcement is approved for release by the board of directors.

For further information please contact:

Dr Mark Cooksey
CEO
ABx Group
Mobile: +61 447 201 536
Email: mcooksey@abxgroup.com.au

Website: abxgroup.com.au

Qualifying statements

General: The information in this report that relate to Exploration Information and Mineral Resources are based on information compiled by Jacob Rebek and Ian Levy who are members of The Australasian Institute of Mining and Metallurgy and the Australian Institute of Geoscientists. Mr Rebek and Mr Levy are qualified geologists and Mr Levy is a director of Australian Bauxite Limited.

Tasmania: The information relating to Exploration Information and Mineral Resources in Tasmania has been prepared or updated under the JORC Code 2012. Mr Rebek and Mr Levy have sufficient experience, which 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. Mr Rebek and Mr Levy have consented in writing to the inclusion in this report of the Exploration Information in the form and context in which it appears.

Table of drilling results

Hole	From	To	Nd_2O_3	Pr_2O_3	Dy_2O_3	Tb_2O_3	Sm_2O_3	Other REE	TREO
	m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Deep Leads									
DL077	4	5	16	4	3	1	4	109	**137**
DL077	4	5	16	4	3	1	4	109	**137**
DL130	9	10	7	2	2	0	2	147	**161**
DL131	11	12	8	3	1	0	2	61	**74**
DL131	11	12	8	3	1	0	2	62	**76**
DL132	14	15	8	2	2	0	2	95	**109**
DL132	14	15	8	2	2	0	2	88	**103**
DL133	5	6	4	1	2	0	1	50	**58**
DL133	8	9	11	4	2	0	2	128	**148**
DL134	0	1	17	6	3	0	3	146	**175**
DL134	7	8	4	1	1	0	1	46	**54**
DL135	4	5	7	2	1	0	1	59	**71**
DL135	7	8	10	3	2	0	3	909	**928**
DL136	4	5	4	1	1	0	1	56	**64**
DL136	7	8	9	2	2	0	2	73	**89**
DL137	2	3	1	0	0	0	0	16	**19**
DL138	8	9	20	6	2	0	4	121	**153**
DL139	8	9	4	1	1	0	1	55	**62**
DL149	7	8	12	3	2	0	3	364	**384**
DL149	8	9	13	3	2	0	3	310	**331**
DL150	4	5	7	2	1	0	2	56	**68**
DL150	5	6	14	4	2	0	3	91	**114**
DL151	4	5	22	5	5	1	6	145	**183**
DL151	5	6	10	2	2	0	3	212	**229**
DL152	4	5	40	12	3	1	8	218	**281**
DL153	8	9	6	2	2	0	2	63	**75**
DL155	8	9	7	2	2	0	2	113	**127**
DL156	6	7	162	37	35	6	45	549	**835**
DL157	8	9	8	2	2	0	2	592	**605**
DL161	4	5	3	1	1	0	1	38	**43**
DL161	6	7	7	2	3	0	2	119	**133**
DL162	6	7	210	46	53	10	56	775	**1,150**
DL162	7	8	209	47	53	10	55	767	**1,140**
DL162	8	9	230	51	62	11	61	800	**1,214**
DL163	7	8	15	4	3	1	4	147	**173**
DL163	8	9	37	9	8	1	9	329	**393**
DL164	8	9	23	6	3	1	5	90	**127**
DL165	7	8	57	21	5	1	9	328	**421**
DL166	1	2	62	21	3	1	11	316	**414**
DL167	4	5	143	40	8	2	27	434	**655**
DL167	5	6	51	14	5	1	10	218	**299**
DL168	2	3	7	2	2	0	2	39	**52**
DL168	4	5	18	5	5	1	5	338	**373**
DL169	5	6	18	4	4	1	4	506	**537**
DL170	3	4	35	9	7	1	9	859	**920**
DL170	4	5	107	28	21	4	30	1,840	**2,030**
DL171	3	4	3	1	1	0	1	22	**27**

Hole	From	To	Nd_2O_3	Pr_2O_3	Dy_2O_3	Tb_2O_3	Sm_2O_3	Other REE	TREO
	m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Deep Leads									
DL171	5	7	14	4	3	0	3	327	**352**
DL172	4	5	29	7	10	2	8	180	**235**
DL172	5	6	118	30	26	5	28	510	**717**
DL173	5	6	38	9	10	2	10	317	**385**
DL174	0	1	28	7	7	1	7	132	**182**
DL175	2	3	2	1	0	0	0	16	**20**
DL175	3	4	4	1	1	0	1	26	**33**
DL175	3	4	3	1	1	0	1	25	**31**
DL176	0	1	9	2	2	0	2	42	**57**
DL176	1	2	10	2	2	0	2	42	**60**
DL176	2	3	5	1	1	0	1	18	**26**
DL176	4	5	4	1	1	0	1	17	**23**
DL176	5	6	3	1	1	0	1	14	**19**
DL176	6	7	6	2	2	0	2	77	**88**
DL176	7	8	5	1	2	0	1	185	**195**
DL176	8	9	27	7	7	1	7	472	**521**
DL177	3	4	98	24	20	4	30	1,409	**1,584**
DL178	1	2	12	3	2	0	3	138	**160**
DL179	4	5	46	11	12	2	12	234	**318**
DL180	4	5	91	23	15	3	22	463	**616**
DL180	5	6	56	13	12	2	16	780	**878**
DL182	1	2	6	2	1	0	1	43	**53**
DL183	5	6	14	4	2	0	4	166	**191**
DL184	4	5	5	1	1	0	1	61	**71**
DL185	2	3	2	0	0	0	0	11	**14**
DL185	3	4	3	1	1	0	1	24	**31**
DL185	4	5	8	2	4	1	2	79	**95**
DL185	5	6	11	3	3	0	3	56	**76**
DL185	6	7	29	7	6	1	7	117	**167**
DL185	7	8	37	9	8	1	8	161	**224**
DL185	8	9	100	25	23	3	21	309	**482**
DL187	3	4	11	3	2	0	2	50	**69**
DL187	4	5	28	8	7	1	6	659	**709**
DL187	5	6	37	9	9	2	10	1,845	**1,911**
DL187	5	6	41	12	13	2	9	2,380	**2,457**
DL187	6	7	63	16	19	3	20	2,914	**3,036**
DL188	3	4	4	1	1	0	1	56	**63**
DL188	4	5	3	1	1	0	1	18	**23**
DL188	5	6	4	1	1	0	1	26	**33**
DL188	6	7	6	2	2	0	1	63	**74**
DL188	7	8	6	2	2	0	1	114	**124**
DL190	3	4	44	12	9	1	8	211	**286**
DL190	4	5	31	8	8	1	6	1,015	**1,068**
DL190	5	6	40	10	10	2	8	765	**835**
DL190	6	7	401	111	52	9	77	1,815	**2,466**
DL190	7	8	679	166	93	16	129	2,859	**3,943**
DL190	8	9	581	143	87	15	110	1,633	**2,568**

Hole	From	To	Nd_2O_3	Pr_2O_3	Dy_2O_3	Tb_2O_3	Sm_2O_3	Other REE	TREO
	m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Deep Leads									
DL203	7	8	5	1	1	0	1	59	**68**
DL214	14	15	8	2	2	0	2	200	**215**
DL215	10	11	65	25	4	1	10	608	**712**
DL215	11	12	37	14	3	1	6	309	**370**
DL216	7	8	18	7	2	0	3	165	**194**
DL216	11	12	24	7	3	1	6	200	**241**
DL217	5	6	8	3	1	0	2	67	**80**
DL217	8	9	15	5	1	0	2	129	**152**
DL217	8	9	15	5	1	0	2	125	**149**
DL217	11	12	9	2	2	0	3	379	**395**
DL218	8	9	7	2	1	0	2	81	**94**
Dl218	10	11	7	2	1	0	2	65	**78**
Dl218	11	12	6	2	1	0	1	98	**109**
DL219	2	3	5	1	2	0	2	45	**56**
DL219	7	8	13	3	3	0	3	160	**182**
DL220	1	2	5	1	1	0	2	45	**54**
DL220	11	12	9	2	3	1	3	92	**110**
DL221	1	2	8	2	3	1	3	123	**140**
DL221	8	9	62	14	12	2	17	347	**455**
DL221	9	10	62	14	13	2	16	262	**370**
DL221	10	11	47	11	12	2	13	215	**300**
DL221	11	12	66	15	17	3	17	306	**424**
DL222	6	7	49	11	10	2	13	285	**371**
DL222	7	8	64	13	12	2	16	285	**392**
DL222	7	8	60	13	13	2	16	286	**391**
DL222	8	9	14	4	4	1	4	374	**401**
DL223	6	7	11	3	3	1	3	145	**166**
DL223	8	9	50	11	11	2	13	191	**278**
DL224	10	11	5	1	2	0	1	49	**59**
DL224	11	12	8	2	2	0	2	149	**164**
DL225	7	8	9	2	2	0	2	83	**100**
DL225	8	9	11	3	2	0	3	85	**104**
DL226	5	6	3	1	1	0	1	90	**96**
DL226	6	7	7	2	3	0	2	322	**337**
DL226	7	8	7	2	2	0	2	204	**218**
DL227	5	6	15	4	4	1	4	269	**298**
DL227	8	9	101	26	27	4	27	390	**576**
DL228	4	5	6	2	2	0	2	140	**152**
DL228	5	6	16	4	5	1	5	270	**301**
DL228	6	7	30	7	8	1	8	483	**537**
DL228	6	7	30	7	8	1	8	381	**436**
DL228	8	9	48	11	13	2	13	346	**433**
DL229	9	10	4	1	1	0	1	27	**35**
DL229	11	12	9	2	2	0	2	85	**102**
DL230	9	10	4	1	1	0	1	79	**87**
DL230	10	11	5	1	1	0	1	67	**75**
DL230	11	12	7	2	2	0	2	71	**83**
DL231	11	12	3	1	1	0	1	36	**41**
DL232	7	8	2	1	0	0	0	19	**23**
DL233	8	9	7	2	2	0	2	84	**96**
DL234	8	9	42	10	11	2	11	292	**369**
DL235	3	4	5	1	1	0	2	44	**54**
DL235	5	6	17	4	4	1	4	122	**152**
DL236	8	9	81	19	25	4	23	783	**934**
DL237	6	7	7	2	1	0	2	85	**96**
DL237	8	9	23	6	4	1	6	155	**193**
DL238	4	5	8	2	1	0	2	72	**86**
DL238	6	7	17	4	5	1	5	612	**643**
DL238	7	8	35	8	9	1	10	421	**484**
DL238	7	8	34	8	9	1	10	333	**396**
DL239	2	3	18	5	2	0	4	76	**105**
DL239	6	7	21	5	6	1	7	196	**236**
DL239	7	8	65	15	19	3	19	474	**594**
DL240	7	8	17	6	1	0	3	124	**152**
DL240	8	9	8	3	1	0	2	94	**108**
DL243	7	8	34	7	9	1	9	313	**374**
DL244	5	6	14	4	4	1	4	261	**287**
DL244	6	7	14	4	3	1	4	124	**149**
DL245	6	7	14	4	5	1	4	192	**220**
DL245	7	8	13	3	4	1	4	153	**177**
DL247	4	5	17	4	4	1	4	261	**291**
DL247	5	6	14	4	3	0	3	127	**152**
DL248	6	7	15	4	4	1	4	103	**130**
DL253	7	8	18	4	5	1	4	170	**203**
DL253	8	9	23	5	7	1	6	197	**240**
DL254	4	5	8	2	1	0	2	225	**238**
DL256	6	7	4	1	1	0	1	31	**38**
DL256	7	8	3	1	1	0	1	27	**34**

Hole	From	To	Nd_2O_3	Pr_2O_3	Dy_2O_3	Tb_2O_3	Sm_2O_3	Other REE	TREO
	m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Deep Leads									
DL257	7	8	6	2	1	0	1	112	**123**
DL257	8	9	4	1	1	0	1	57	**64**
DL258	6	7	25	8	2	0	4	127	**167**
DL258	8	9	17	6	2	0	4	87	**116**
DL259	8	9	49	17	3	1	7	174	**251**
DL260	8	9	14	5	2	0	3	93	**117**
DL261	8	9	22	8	2	0	4	144	**181**
DL266	7	8	9	2	4	1	3	336	**355**
DL269	6	7	16	5	3	0	4	129	**156**
DL269	8	9	14	3	5	1	4	126	**154**
DL270	4	5	3	1	1	0	1	110	**117**
DL272	6	7	4	1	1	0	1	35	**42**
DL272	8	9	5	2	2	0	2	91	**102**
DL273	7	8	2	1	1	0	1	37	**41**
DL273	8	9	2	1	1	0	1	38	**42**
DL274	7	8	2	0	0	0	1	75	**78**
DL276	7	8	3	1	1	0	1	29	**35**
DL277	8	9	5	2	2	0	1	85	**95**
DL278	8	9	4	1	2	0	1	62	**69**
DL279	5	6	4	1	1	0	1	86	**93**
DL279	11	12	7	2	2	0	2	77	**90**
DL280	5	6	5	1	1	0	1	28	**36**
DL281	6	7	4	1	1	0	1	100	**107**
DL282	7	8	2	1	1	0	0	31	**34**
DL282	8	9	3	1	1	0	1	41	**46**
DL284	3	4	12	3	5	1	4	188	**213**
DL285	5	6	9	2	2	0	2	71	**87**
DL287	6	11	9	3	1	0	2	113	**128**
DL287	11	12	19	5	3	1	4	300	**333**
DL288	8	9	5	2	1	0	1	24	**33**
DL289	9	10	6	2	1	0	1	46	**57**
DL289	13	14	6	1	1	0	1	37	**47**
DL291	10	11	6	1	2	0	2	201	**212**
DL291	11	12	8	2	3	0	2	149	**163**
DL292	7	8	8	2	3	0	2	79	**95**
DL292	8	9	9	2	2	0	2	99	**115**
DL293	3	4	6	2	2	0	2	236	**249**
DL293	4	5	10	2	3	1	3	208	**228**
DL293	5	6	31	7	9	2	9	841	**898**
DL294	7	8	4	1	1	0	1	45	**53**
DL295	10	11	2	0	1	0	1	152	**155**
DL295	11	12	3	1	1	0	1	284	**290**
DL295	11	12	3	1	1	0	1	218	**223**
DL295	12	13	9	2	2	0	3	144	**161**
DL296	9	10	2	0	0	0	0	23	**26**
DL296	14	15	1	0	0	0	0	13	**15**
DL296	16	17	4	1	1	0	1	103	**110**
DL298	7	8	6	2	1	0	1	874	**885**
DL298	8	9	7	2	1	0	2	181	**194**
DL299	4	5	10	3	3	0	2	82	**99**
DL299	5	6	11	3	2	0	2	72	**90**
DL301	3	4	3	1	1	0	1	29	**34**
DL301	4	5	3	1	1	0	1	68	**72**
DL302	7	8	19	5	5	1	5	403	**436**
DL303	5	6	7	2	2	0	2	181	**194**
DL303	7	8	33	9	9	1	9	460	**521**
DL303	8	9	43	10	9	2	10	390	**464**
DL303	8	9	42	10	10	2	11	320	**394**
DL304	5	6	17	4	5	1	5	111	**143**
DL305	6	7	15	4	4	1	4	234	**260**
DL306	8	9	27	7	6	1	7	468	**516**
DL307	7	8	5	1	2	0	1	74	**84**
DL307	8	9	6	2	2	0	1	82	**93**
DL308	10	11	8	3	2	0	2	91	**105**
DL308	11	12	9	2	3	0	2	104	**121**
DL309	6	7	8	2	3	0	3	351	**367**
DL309	7	8	7	2	2	0	2	158	**170**
DL311	10	11	8	2	3	0	2	128	**144**
DL311	11	12	15	4	4	1	4	142	**170**
DL312	6	7	2	1	0	0	1	42	**46**
DL312	8	9	2	0	0	0	0	77	**80**
DL312	9	10	3	1	1	0	1	97	**101**
DL313	6	7	9	2	2	0	2	268	**284**
DL313	8	9	51	14	12	2	13	391	**482**
DL313	9	10	301	88	37	7	72	602	**1,107**
DL314	6	7	24	7	3	1	6	158	**198**
DL314	8	9	7	2	1	0	2	282	**295**
DL315	3	4	6	2	2	0	2	49	**61**
DL315	5	6	26	7	8	1	8	472	**522**
DL315	8	9	183	45	42	7	47	691	**1,016**
DL315	9	10	156	36	33	5	35	535	**800**
DL315	9	10	146	35	35	6	37	532	**789**

Hole	From	To	Nd_2O_3	Pr_2O_3	Dy_2O_3	Tb_2O_3	Sm_2O_3	Other REE	TREO
	m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Deep Leads									
DL316	2	3	22	5	6	1	5	183	**221**
DL316	3	4	52	13	10	2	11	208	**296**
DL316	4	5	119	31	23	4	27	2,160	**2,363**
DL317	6	7	37	10	11	2	11	678	**747**
DL317	8	9	16	4	6	1	6	286	**318**
DL318	3	4	3	1	2	0	1	32	**39**
DL319	4	5	8	2	2	0	2	53	**66**
DL319	5	6	17	4	3	1	4	648	**677**
DL319	5	6	16	4	3	1	4	438	**466**
DL319	6	7	15	4	3	0	4	332	**358**
DL319	7	8	15	4	3	1	4	671	**696**
DL319	8	9	17	4	3	1	4	753	**782**
DL320	4	5	3	1	1	0	1	47	**52**
DL320	6	7	6	2	1	0	2	297	**308**
DL320	7	8	8	2	1	0	2	259	**273**
DL321	6	7	51	13	13	2	14	1,217	**1,310**
DL324	6	7	28	7	7	1	7	640	**690**
DL327	6	7	5	1	1	0	1	35	**44**
DL327	7	8	9	2	2	0	2	213	**228**
DL327	8	9	16	4	3	1	4	1,244	**1,272**
DL328	4	5	5	2	1	0	1	91	**100**
DL329	7	8	12	3	2	0	3	270	**290**
DL329	11	12	12	3	4	1	3	439	**461**
DL330	7	8	7	2	1	0	2	94	**107**
DL330	11	12	25	7	4	1	5	254	**296**
DL331	10	11	23	7	3	1	4	142	**181**
DL331	11	12	25	8	3	1	5	138	**179**
DL389	13	14	24	6	3	1	5	134	**172**
DL389	14	15	18	5	3	1	4	125	**155**
DL389	15	16	11	3	4	1	3	78	**99**
DL389	16	17	29	7	7	1	7	135	**187**
DL389	17	18	106	25	21	4	24	415	**595**
DL389	18	19	210	49	53	10	51	857	**1,229**
DL389	19	20	160	37	42	8	38	697	**981**
DL390	12	13	20	5	4	1	4	188	**222**
DL390	13	14	25	6	5	1	5	378	**420**
DL390	14	15	25	6	8	1	6	251	**297**
DL390	15	16	31	7	9	2	8	279	**336**
DL391	5	6	3	1	1	0	1	21	**27**
DL391	6	7	2	1	1	0	1	21	**25**
DL391	7	8	2	1	1	0	1	26	**31**
DL391	8	9	6	2	1	0	1	153	**163**
DL391	9	10	6	2	1	0	1	156	**167**
DL391	water	water	4	1	1	0	1	26	**32**
DL392	5	6	9	2	2	0	2	64	**79**
DL392	6	7	20	5	4	1	4	118	**152**
DL392	7	8	92	25	16	3	17	461	**615**
DL392	8	9	493	122	77	14	97	1,074	**1,878**
DL392	9	10	259	70	40	7	52	556	**985**
DL393	4	5	60	16	11	2	12	270	**372**
DL393	5	6	64	17	12	2	12	269	**377**
DL393	6	7	61	16	12	2	12	257	**361**
DL394	7	8	9	3	2	0	2	105	**122**
DL394	8	9	5	1	1	0	1	174	**184**
DL394	9	10	12	3	3	1	3	286	**308**
DL394	10	11	29	7	6	1	7	196	**246**
DL394	11	12	17	4	3	1	4	211	**240**
DL394	water	water	29	9	3	1	5	121	**167**
DL395	5	6	5	2	1	0	1	63	**72**
DL395	6	7	2	1	1	0	1	20	**24**
DL395	7	8	3	1	1	0	1	37	**42**
DL395	8	9	3	1	1	0	1	38	**44**
DL395	9	10	5	1	1	0	1	119	**129**
DL395	10	11	5	1	1	0	1	89	**98**
DL395	11	12	15	4	4	1	3	234	**261**
DL395	12	13	25	7	5	1	5	214	**258**
DL395	13	14	21	6	4	1	4	190	**226**
DL396	2	3	3	1	1	0	1	17	**21**
DL396	3	4	7	2	1	0	1	42	**53**
DL396	4	5	2	0	0	0	0	54	**58**
DL396	5	6	3	1	1	0	1	46	**52**
DL396	water	water	2	1	1	0	0	21	**24**
DL397	1	2	15	4	3	1	3	84	**111**
DL397	2	3	14	3	3	1	3	78	**101**
DL397	3	4	45	9	22	4	15	255	**351**
DL397	4	5	67	17	15	2	14	1,153	**1,268**
DL397	5	6	20	5	8	1	6	220	**261**
DL398	1	2	12	3	4	1	3	106	**128**
DL398	2	3	14	4	3	1	3	129	**154**
DL399	2	3	3	1	1	0	1	30	**36**
DL399	3	4	4	1	1	0	1	32	**39**
DL399	4	5	3	1	1	0	1	38	**43**
DL399	5	6	3	1	1	0	1	53	**58**
DL399	6	7	2	0	0	0	1	30	**34**
DL400	2	3	3	1	1	0	1	21	**26**
DL400	3	4	1	0	0	0	0	10	**12**
DL400	4	5	2	0	0	0	0	20	**23**

Hole	From	To	Nd_2O_3	Pr_2O_3	Dy_2O_3	Tb_2O_3	Sm_2O_3	Other REE	TREO
	m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Deep Leads									
DL401	0	1	2	1	1	0	1	22	**26**
DL401	1	2	2	1	1	0	1	18	**22**
DL402	2	3	2	0	0	0	0	136	**139**
DL402	3	4	3	1	1	0	1	47	**53**
DL402	4	5	10	2	2	0	3	194	**211**
DL402	5	6	24	6	6	1	6	276	**320**
DL403	2	3	17	4	5	1	4	339	**369**
DL403	3	4	24	5	7	1	6	205	**249**
DL403	4	5	38	9	10	2	10	245	**314**
DL403	5	6	92	21	29	5	24	441	**611**
DL403	6	7	659	144	174	31	188	1,873	**3,070**
DL403	7	8	804	177	231	40	238	2,348	**3,837**
DL403	8	9	717	157	213	37	211	2,110	**3,445**
DL403	9	10	772	167	230	41	238	2,077	**3,525**
DL404	1	2	255	55	64	12	72	600	**1,057**
DL404	2	3	91	20	24	4	26	245	**409**
DL404	3	4	41	9	10	2	11	146	**220**
DL404	water	water	32	7	8	1	8	100	**156**
DL405	1	2	61	13	14	3	16	183	**290**
DL405	2	3	24	6	6	1	7	79	**123**
DL405	3	4	18	4	4	1	5	69	**101**
DL407	2	3	6	1	2	0	2	71	**82**
DL407	3	4	11	3	3	0	3	95	**115**
DL407	4	5	18	4	5	1	5	181	**214**
DL407	5	6	83	20	32	5	21	675	**836**
DL407	6	7	78	19	31	4	20	578	**729**
DL407	7	8	91	22	29	4	22	754	**923**
DL407	8	9	86	21	24	4	21	437	**593**
DL407	9	10	88	22	26	4	22	542	**704**
DL408	2	3	153	47	9	2	26	371	**607**
DL408	3	4	59	18	5	1	10	189	**281**
DL408	4	5	26	7	4	1	6	92	**136**
DL408	5	6	40	11	6	1	9	127	**193**
DL408	6	7	5	1	1	0	1	34	**43**
DL408	7	8	12	3	3	1	4	2,136	**2,158**
DL408	8	9	17	4	5	1	5	760	**792**
DL408	9	10	35	8	11	2	10	382	**447**
DL409	2	3	46	12	5	1	8	156	**228**
DL409	3	4	7	2	1	0	2	40	**53**
DL409	4	5	22	5	4	1	5	89	**127**
DL409	5	6	11	3	3	0	3	472	**491**
DL409	6	7	26	7	6	1	6	1,190	**1,236**
DL409	7	8	102	26	24	4	23	992	**1,170**
DL409	8	9	240	60	59	9	51	1,316	**1,736**
DL409	9	10	125	30	30	5	30	696	**916**
DL410	1	2	22	6	5	1	5	134	**173**
DL410	2	3	6	2	2	0	2	48	**60**
DL410	3	4	8	2	3	0	2	60	**76**
DL410	4	5	12	3	3	0	3	74	**96**
DL410	5	6	12	3	3	0	3	138	**160**
DL410	6	7	10	2	2	0	2	72	**90**
DL411	0	1	24	3	3	0	3	117	**150**
DL411	1	2	17	2	2	0	2	86	**111**
DL411	2	3	16	3	2	0	3	83	**109**
DL411	3	4	99	38	9	2	21	473	**642**
DL411	4	5	49	12	8	1	10	244	**324**
DL411	5	6	87	10	9	2	10	531	**649**
DL411	6	7	147	23	23	4	25	865	**1,087**
DL411	7	8	103	25	27	5	29	493	**681**
DL412	0	1	38	10	7	1	9	186	**252**
DL412	1	2	46	13	8	2	11	216	**295**
DL412	2	3	41	12	8	2	10	192	**264**
DL412	3	4	57	10	7	1	9	278	**362**
DL412	4	5	37	8	8	1	8	181	**243**
DL412	5	6	75	9	10	2	11	373	**479**
DL412	6	7	41	7	9	2	9	208	**277**
DL413	0	1	61	10	9	2	11	299	**392**
DL413	1	2	41	6	6	1	7	202	**264**
DL413	2	3	15	2	3	1	3	78	**102**
DL413	3	4	34	10	4	1	7	147	**202**
DL413	4	5	40	10	4	1	8	167	**230**
DL413	5	6	44	15	3	1	8	203	**273**
DL413	6	7	54	18	4	1	10	229	**316**
DL413	7	8	63	21	5	1	12	267	**370**
DL413	8	9	42	12	4	1	7	193	**260**
DL413	9	10	36	8	4	1	6	171	**225**
DL413	10	11	32	6	4	1	5	157	**205**
DL413	11	12	24	3	3	0	3	121	**153**
DL413	12	13	26	4	4	1	4	138	**177**
DL413	13	14	80	13	15	3	16	398	**524**
DL413	14	15	241	78	62	12	91	1,039	**1,524**
DL414	0	1	109	37	46	9	48	519	**768**
DL414	1	2	58	20	20	4	23	263	**389**
DL414	2	3	105	36	33	6	42	419	**640**
DL415	0	1	30	9	8	1	10	135	**194**
DL415	1	2	5	2	1	0	2	26	**36**
DL415	2	3	11	3	3	1	4	52	**74**
DL415	3	4	19	6	5	1	6	84	**121**
DL415	4	5	196	7	7	1	7	1,237	**1,455**
DL415	5	6	88	29	14	2	23	326	**483**
DL415	6	7	126	60	25	4	43	433	**691**
DL415	7	8	87	40	24	4	32	364	**551**

Hole	From	To	Nd_2O_3	Pr_2O_3	Dy_2O_3	Tb_2O_3	Sm_2O_3	Other REE	TREO
	m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Deep Leads									
DL416	0	1	50	16	10	2	13	221	**311**
DL416	1	2	47	8	5	1	7	221	**289**
DL416	2	3	59	3	3	1	3	294	**363**
DL417	0	1	70	15	10	2	13	315	**425**
DL417	1	2	18	4	3	0	4	86	**115**
DL417	2	3	15	3	2	0	3	72	**95**
DL417	3	4	10	2	3	0	2	59	**77**
DL418	0	1	34	8	6	1	8	159	**215**
DL418	1	2	40	11	9	1	10	187	**258**
DL418	2	3	42	6	5	1	6	203	**263**
DL418	3	4	102	5	4	1	5	627	**743**
DL419	0	1	126	8	6	1	8	752	**900**
DL419	1	2	28	4	4	1	4	151	**192**
Portrush									
PR003	4	5	48	12	14	2	13	187	**276**
PR003	5	6	88	22	28	4	25	427	**594**
PR004	4	5	49	13	12	2	11	200	**287**
PR004	5	6	20	5	6	1	5	116	**152**
PR005	4	5	26	7	8	1	7	111	**159**
PR005	5	6	67	18	13	2	14	297	**410**
PR006	9	10	30	7	13	2	9	142	**204**
PR006	14	15	29	7	13	2	9	151	**212**
PR007	4	5	24	7	6	1	5	93	**135**
PR009	8	9	66	17	12	2	14	326	**437**
PR013	6	7	18	4	6	1	5	158	**191**
PR014	7	8	27	7	8	1	7	238	**288**
PR021	11	12	5	1	2	0	2	160	**170**
PR024	5	6	7	2	3	0	2	173	**187**
PR026	10	11	3	1	1	0	1	89	**95**
PR026	11	12	6	2	2	0	2	125	**137**
PR028	10	11	5	1	2	0	1	116	**126**
PR028	11	12	13	3	5	1	4	170	**197**
PR033	11	12	581	139	270	39	146	3,624	**4,800**
PR037	16	17	1	0	1	0	1	38	**41**
PR037	17	18	3	1	2	0	1	96	**103**
PR038	15	16	22	6	5	1	5	142	**180**
PR038	21	22	3	1	1	0	1	103	**110**
PR041	7	8	19	6	4	1	4	106	**140**
PR041	9	10	3	1	1	0	1	26	**31**
PR041	11	12	2	0	1	0	1	96	**100**
PR041	13	14	6	1	2	0	2	101	**113**
PR043	5	6	51	14	15	2	13	269	**365**
PR052	15	16	45	12	12	2	11	256	**338**
PR052	17	18	28	7	8	1	7	193	**244**
PR052	19	20	166	44	34	6	36	516	**801**
PR053	21	22	3	1	2	0	1	85	**92**
PR053	22	23	8	2	3	0	2	91	**106**
PR054	16	17	4	1	2	0	1	97	**105**
PR059	9	10	54	14	16	3	15	221	**323**
PR061	11	12	9	2	3	0	3	128	**145**
PR061	12	13	21	6	6	1	5	146	**185**
PR066	8	9	24	6	9	1	7	199	**246**
Wind Break									
WB001	9	10	6	2	4	1	2	122	**135**
WB001	13	14	10	2	7	1	4	133	**156**
WB002	6	7	23	6	5	1	5	125	**165**
WB002	13	14	6	1	2	0	2	127	**139**
WB003	7	8	23	5	5	1	6	131	**171**
WB003	14	15	5	1	3	0	2	101	**112**
WB005	8	9	59	13	14	3	16	242	**346**
WB005	9	10	67	16	15	3	13	426	**540**
WB007	10	11	109	26	22	4	26	406	**594**
WB008	1	2	25	7	6	1	6	143	**188**
WB008	3	4	77	19	23	3	17	535	**675**
WB009	7	8	22	5	6	1	6	133	**174**
WB009	10	11	19	5	5	1	4	109	**143**
WB010	2	3	12	3	3	0	3	66	**88**
WB010	7	8	57	14	18	3	15	268	**375**
WB015	8	9	36	9	9	1	8	177	**241**
WB015	11	12	48	12	14	2	12	252	**340**
WB016	8	9	27	7	7	1	7	287	**337**
WB016	12	13	63	16	18	3	16	318	**434**
WB017	9	10	73	19	18	3	16	349	**478**
WB017	10	11	61	16	13	2	14	251	**357**
WB020	7	8	109	27	21	4	24	478	**662**
WB020	9	10	152	38	28	5	35	561	**818**
WB020	11	12	30	7	9	1	7	155	**211**

Hole	From	To	Nd_2O_3	Pr_2O_3	Dy_2O_3	Tb_2O_3	Sm_2O_3	Other REE	TREO
	m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Wind Break									
WB021	6	7	13	3	3	1	3	66	**89**
WB021	8	9	40	10	11	2	10	734	**806**
WB024	6	7	253	64	45	9	58	646	**1,075**
WB024	7	8	280	71	50	9	65	670	**1,145**
WB025	11	12	10	2	3	0	3	69	**86**
WB025	14	15	67	17	10	2	14	273	**382**
WB026	5	6	4	1	1	0	1	35	**43**
WB026	8	9	16	4	3	1	4	192	**219**
WB026	11	12	8	2	2	0	2	77	**92**
WB027	6	7	17	5	4	1	4	164	**195**
WB027	10	11	29	7	13	2	9	197	**256**
WB028	4	5	20	5	4	1	4	109	**143**
WB028	6	7	29	8	6	1	5	225	**274**
WB029	5	6	34	9	9	2	8	384	**445**
WB029	7	8	24	6	9	1	6	181	**228**
WB030	5	6	8	2	3	0	2	259	**275**
WB030	7	8	22	6	5	1	5	288	**327**
WB059	9	10	282	74	52	9	58	922	**1,398**
WB059	12	13	239	57	67	11	53	1,099	**1,527**
WB060	2	3	16	4	6	1	4	93	**124**
WB060	5	6	19	4	5	1	4	95	**128**
WB061	4	5	111	27	30	5	23	524	**720**
WB061	5	6	133	33	28	5	27	538	**764**
WB063	3	4	5	1	2	0	1	28	**37**
WB063	6	7	125	31	26	5	28	521	**735**
WB064	9	10	10	2	4	1	3	108	**128**
WB064	12	13	32	8	12	2	8	162	**224**
WB065	6	7	24	6	7	1	5	148	**193**
WB065	9	10	197	48	62	10	43	1,063	**1,423**
WB066	5	6	48	12	10	2	10	232	**313**
WB068	3	4	11	3	4	1	3	78	**99**
WB068	5	6	24	6	6	1	6	316	**359**
WB070	7	8	3	1	1	0	1	40	**47**
WB070	9	10	3	1	1	0	1	76	**83**
WB071	4	5	3	1	1	0	1	64	**69**
WB071	8	9	4	1	1	0	1	91	**99**
WB121	0	1	69	10	11	2	10	367	**469**
WB121	1	2	54	13	20	3	14	350	**454**
WB121	2	3	83	14	22	3	16	554	**693**
WB121	3	4	190	20	31	5	24	1,194	**1,463**
WB122	0	1	40	10	10	2	11	200	**272**
WB122	1	2	35	9	9	1	10	175	**239**
WB122	2	3	50	13	14	2	13	269	**362**
WB122	3	4	91	29	17	3	22	416	**578**
WB122	4	5	117	19	16	2	16	688	**858**
WB122	5	6	79	23	21	3	21	425	**572**
WB122	6	7	36	10	18	3	11	290	**369**
WB122	7	8	76	25	19	3	22	368	**513**
WB122	8	9	81	29	18	3	24	360	**515**
WB122	9	10	94	28	20	3	25	438	**608**
WB122	10	11	104	33	32	5	30	649	**853**
WB122	11	12	63	19	23	4	18	500	**626**
WB122	12	13	77	25	23	4	22	448	**598**
WB123	0	1	21	5	4	1	5	107	**142**
WB123	1	2	48	13	11	2	12	251	**337**
WB124	0	1	33	10	7	1	9	169	**229**
WB124	1	2	41	11	8	1	10	198	**270**
WB124	2	3	33	10	8	1	9	182	**244**
WB125	0	1	12	3	3	0	3	65	**85**
WB125	1	2	18	5	4	1	4	94	**127**
WB125	2	3	12	2	1	0	1	63	**80**
WB125	3	4	16	3	2	0	2	94	**118**
WB125	4	5	28	3	3	1	3	164	**202**
WB125	5	6	63	3	3	1	3	395	**468**
WB125	6	7	60	3	3	1	3	379	**448**
WB125	7	8	88	3	3	1	3	542	**639**
WB125	8	9	35	3	3	0	2	189	**233**
WB125	9	10	38	3	3	0	2	200	**246**

APPENDIX 1

JORC Code, 2012 Edition – Table 1 report

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.*	• Drill holes samples to 25 metres maximum depth but typically to 12 metres depth
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).*	• Reverse circulation rotary percussion
Drill sample recovery	• *Method of recording & assessing core and chip sample recoveries and results assessed.* • *Measures taken to maximise sample recovery & 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.*	• Weight tests indicated reliable sample recovery
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. Core (or costean, channel, etc) photography.* • *The total length and percentage of the relevant intersections logged.*	• Geologically logged in detail by senior professional geologists. Every sample photographed, with photos and logs and assays entered into ABx's proprietary ABacus database.
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.*	• Chips are subsampled using bauxite shovel method in accordance with ISO standards
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 lab checks) & whether acceptable levels of accuracy (ie lack of bias) & precision have been established.*	• All assaying done at NATA-registered commercial laboratories of ALS Brisbane Australia and Labwest Minerals Analysis Pty Ltd in Western Australia. Duplicate interlab assays done. • Round robin assays with 4 other major laboratories confirmed accuracy and precision meets industry standards.

Criteria	JORC Code explanation	Commentary
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.*	• All assaying done at NATA-registered commercial laboratories of ALS Brisbane Australia and Labwest Minerals Analysis Pty Ltd in Western Australia. Duplicate interlab assays showed excellent correspondence.
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.*	• GPS hole locations have been tested for accuracy on many prospects, all satisfactorily – within 1m.
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.*	• Drilling typically at 50 to 75 metre spacing on mineralised prospects
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.*	• Vertical holes through flat-dipping bauxite is as good as it gets
Sample security	• *The measures taken to ensure sample security.*	• Samples collected and assembled onto pallets every day
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• Several audits confirmed reliability

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.*	• Satisfactory to excellent. All tenements are unencumbered….
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• 3 industry majors and two customers have approved exploration methods and data collection, interpretation and reporting
Geology	• *Deposit type, geological setting and style of mineralisation.*	• Bauxite deposit formed on Lower Tertiary basalts

Criteria	JORC Code explanation	Commentary
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.*	• GPS location. • Airborne Radar RL topography • All holes are short straight vertical holes
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.*	• All data are presented.
Relationship between mineralisation widths & 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').*	• Mineralisation typically 3 to 6 metres thick and Drillholes are sampled at 1 metre intervals
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.*	• N.A.
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.*	• All new results are reported in this report
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.*	• N.A.
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.*	• Step-out drilling over a wider area has been planned, work plans submitted and new drill rig has been mobilised.

END