



## Kanyika Niobium Project Update

### Excellent Infill Drill Results Received

Globe Metals & Mining ("**Globe**" or "**the Company**"; ASX:GBE) is pleased to announce the following update on activity at the Kanyika Niobium Project (KNP) in Malawi. The Company has now received approximately 50% of the infill drilling results from the 15,000m KNP drilling program undertaken in 2012 and has made significant progress on a number of other activities required to complete the Definitive Feasibility Study (DFS) already underway.

### Highlights

- **In-fill Drilling has encountered wide zones of moderate to high grade mineralisation intersected at depth and along strike from known mineralisation**
- **Best results include:**
  - **KARC239 25m @ 4,289ppm Nb<sub>2</sub>O<sub>5</sub>, 99ppm Ta<sub>2</sub>O<sub>5</sub>, 122ppm U<sub>3</sub>O<sub>8</sub> (from 136m) incl. 11m @ 6,632ppm Nb<sub>2</sub>O<sub>5</sub>, 138ppm Ta<sub>2</sub>O<sub>5</sub>, 182ppm U<sub>3</sub>O<sub>8</sub> (from 136m)**
  - **KARC244 58m @ 4386ppm Nb<sub>2</sub>O<sub>5</sub>, 200ppm Ta<sub>2</sub>O<sub>5</sub>, 110ppm U<sub>3</sub>O<sub>8</sub> (from 95m)**
  - **KARC276 12m @ 5,173ppm Nb<sub>2</sub>O<sub>5</sub>, 216ppm Ta<sub>2</sub>O<sub>5</sub>, 131ppm U<sub>3</sub>O<sub>8</sub> (from surface)**
  - **KARC284 44m @ 13,210ppm Nb<sub>2</sub>O<sub>5</sub>, 330ppm Ta<sub>2</sub>O<sub>5</sub>, 408ppm U<sub>3</sub>O<sub>8</sub> (from 57m) incl. 13m @ 25,938ppm Nb<sub>2</sub>O<sub>5</sub>, 597ppm Ta<sub>2</sub>O<sub>5</sub>, 842ppm U<sub>3</sub>O<sub>8</sub> (from 69m)**
- **Drilling to date confirms Globe's previous orebody modelling**
- **Upgraded resource estimate already underway**
- **Coffey Mining has been contracted to undertake the mining study**
- **Major technical areas within refinery flow sheet resolved – potential joint ventures with third party Chinese refiners progressing with assistance from ECE**
- **Discussions advancing with China Development Bank regarding project financing parameters**
- **DFS remains on track for completion by end of current quarter**



In April 2012, Globe undertook a 5 month 15,000m reverse circulation (RC) and diamond drilling program at the Kanyika Niobium Project incorporating resource, geotechnical and metallurgical drilling (Figure 1). The objective of the resource drilling was to improve geological and mineralogical confidence in the project leading to a reserve of 50Mt with a projected mining rate of 1.5 Mtpa (Years 1-5) and 3.0 Mtpa (Years 6-20).

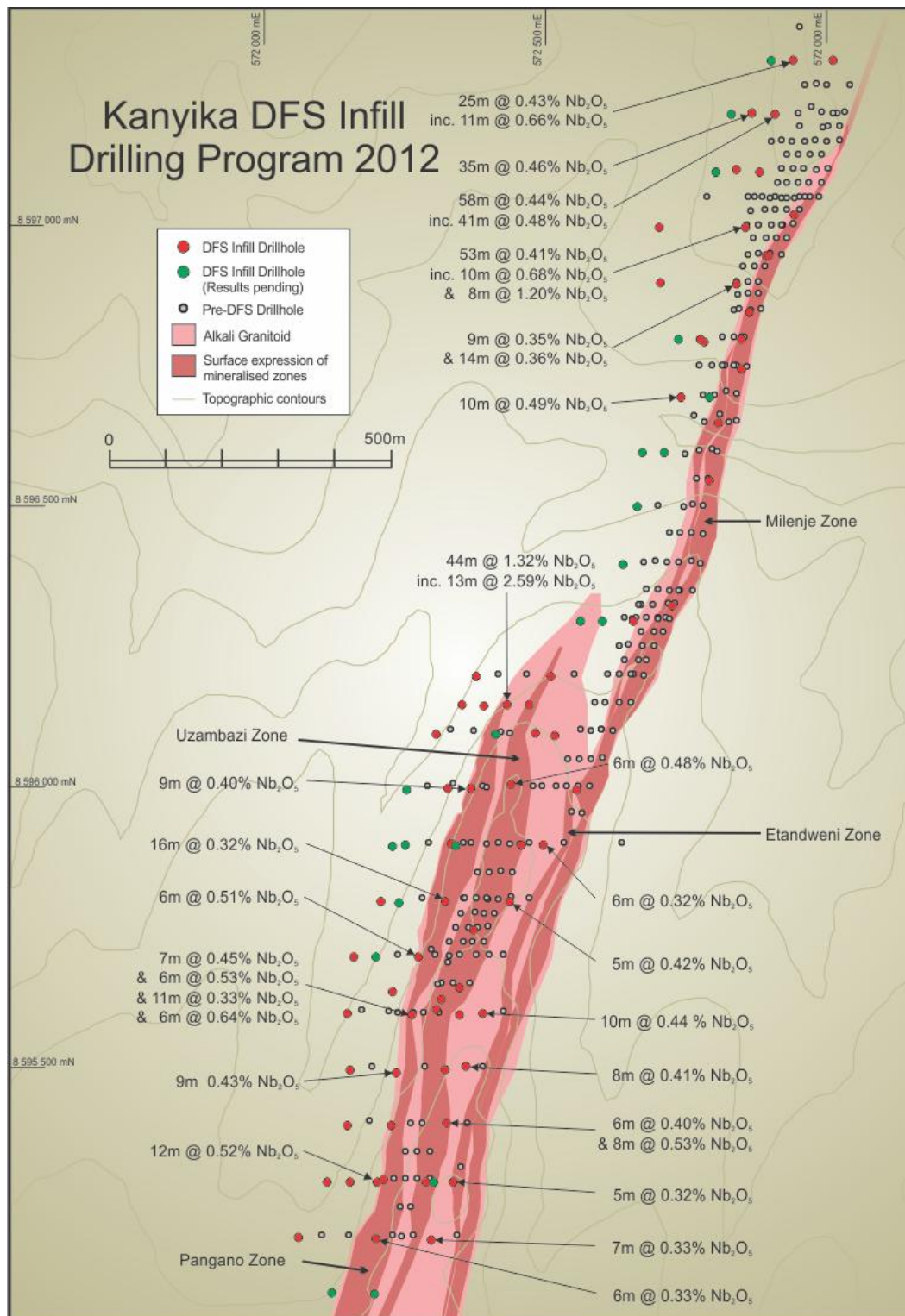
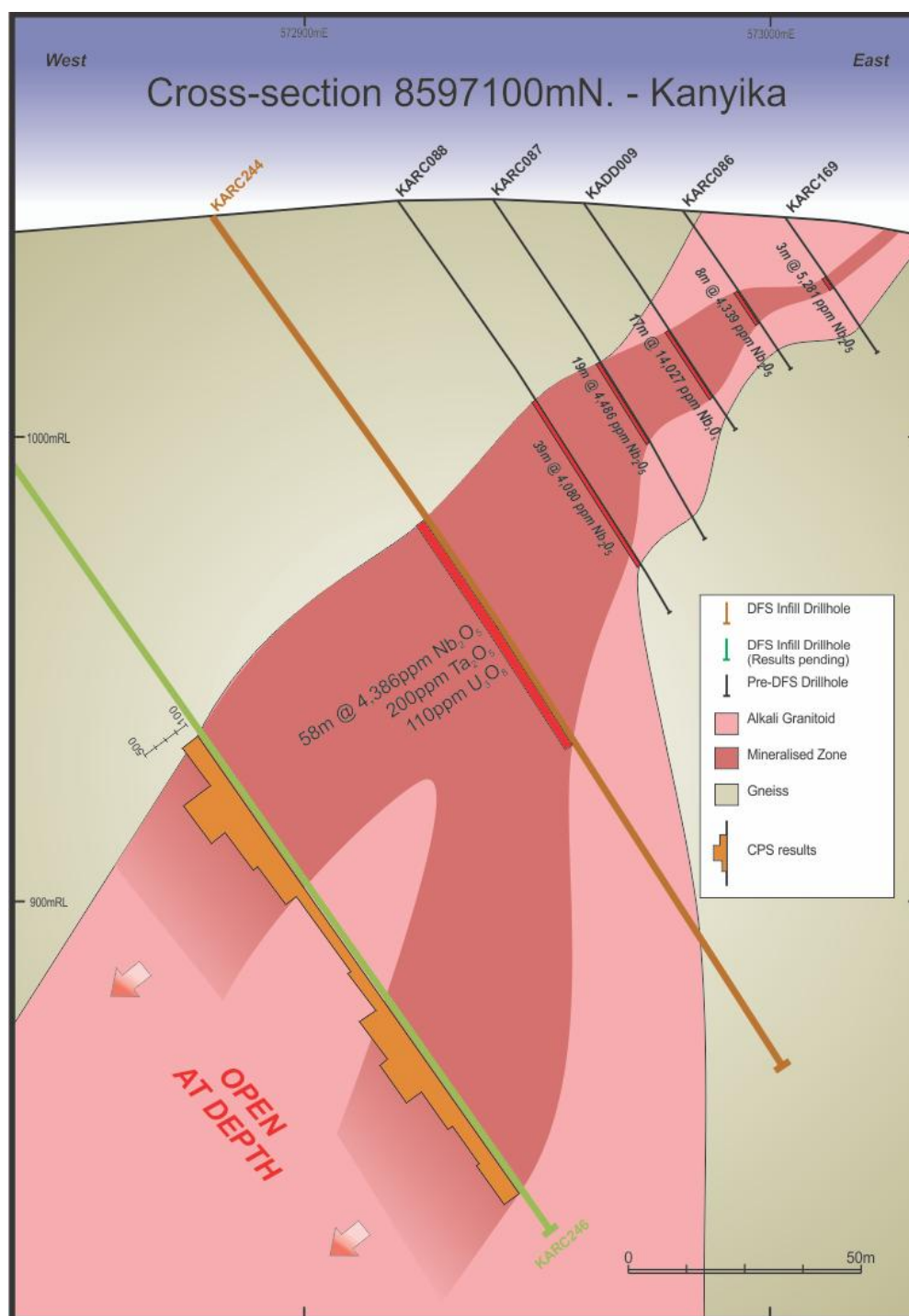


Figure 1: Kanyika Infill Program drill hole location plan.

To date, the Company has received results for approximately 50% of the submitted samples; initial results confirm the previous modelling of the orebody undertaken in 2010. Excitingly, the high grade mineralised zones appear to continue along strike and down dip as demonstrated in the below cross-section (Figure 2).



**Figure 2: Kanyika 8597100mN cross section**

Work on the revised Mineral Resource Estimate has already begun, to be incorporated into the draft Definitive Feasibility Study (DFS) scheduled for completion in Q4, 2012.



## Definitive Feasibility Study Update

### Operational

In addition to the resource drilling detailed above, there has been significant progress made on other key facets of the Kanyika Niobium Project DFS.

- **Mining Study and plant-site infrastructure** - Coffey Mining has been contracted to complete the mining study and this is now underway. Tenders have been issued for the contract mining operations with the first draft mining schedule to be completed in October. To facilitate the mining study and plant-site infrastructure construction, all site investigations and geotechnical test reports are completed. Knight Piésold and Overflow have completed the design definition for all major civil works.
- **Refinery testwork and alliances with Chinese partners for technology transfer to third party refiners** - all major technical areas within the refinery flow-sheet are now resolved. Globe personnel have been involved in developing strategic alliances with potential Chinese partners leading to arrangements for technology transfer with third party refiners. Potential joint ventures or technology transfers may provide significant business risk and cost mitigation. These potential alliances have been arranged through Globe's substantial shareholder East China Mineral Exploration and Development Bureau (ECE).
- **Metallurgy** - concentrate leaching test-work has commenced at Mintek in South Africa and results are expected to be received by November 2012.
- **Environmental** - the Technical Committee of the Environmental Affairs Department (EAD) is undertaking its in-house review regarding the Environmental Impact Assessment (EIA) completed by Synergistics on behalf of Globe. The EAD has had meetings with Globe and Synergistics personnel and the Committee is now making its final recommendations before it goes to the Public Review & Comment phase as required by Malawi law.
- **Development Agreement** - the first draft Development Agreement (DA) including an economic model for the KNP was lodged with the Government of Malawi in July and is still under review. The next rounds of meetings are scheduled for mid-November and Globe is hopeful of significant advancement being made.

### Corporate

- **Project Financing** - The ECE team has commenced further discussions with the China Development Bank (CDB) and other Chinese banks to prepare the ground for the funding requests. Globe has already announced previously that a Memorandum of Understanding (MoU) is now in place with the CDB. The KNP continues to get the support of the Chinese Embassy in Malawi, further highlighting the benefits of ECE's involvement in Globe's Kanyika Project.

## Community and Social Responsibility

Globe has also continued to progress its Community and Social Responsibility initiatives, including:

- Globe continues to contribute to a fundraising campaign initiated on a personal basis by a Globe employee. The campaign provided much needed basic learning tools to Kanyika School. This is currently being shipped from Australia to Malawi at cost price by Air Land Logistics.
- Thirty-five students studying a Bachelors of Natural Resources Management from The University of Malawi conducted a site visit at Kanyika in July this year.
- The Etandweni Clinic is near completion and Globe is organising through Global Health Alliance Western Australia (GHAWA) for volunteer Australian nurses to provide healthcare and to the community and healthcare training to Malawian health workers. A proposal by GHAWA is being prepared for review.
- Globe is participating in the TutuDesk Campaign, set up by Archbishop Desmond Tutu to provide 10 million desks to students across Africa by 2015.
- In addition to the local community work being undertaken, to continue to provide support to education in Malawi, Globe made a donation of \$1000 to the Rotary of Crawley Perth and African Students Union, UWA, to raise funds for science education and youth leadership at two schools in Malawi, Africa.

Globe's Acting Chief Executive Officer, Fergus Jockel, said: "We are very pleased with the calibre of the in-fill drilling results received from recent drilling at Kanyika. Globe's technical team has significantly increased the confidence in the geology and mineralogy at the project and the Company will deliver an updated resource estimate by year-end.

"Substantial progress has also been made on activity to complete the DFS, with third party providers commissioned for the mining study and civil works program. Major elements of the refinery test work are now resolved, and leaching test work has commenced. With the Development Agreement and Environmental Impact Assessment already submitted to relevant Malawian authorities, we expect to have timely approval.

"Globe has also begun discussions with potential Chinese strategic partners who will assist to facilitate technology transfer with third party refiners, in addition to advancing discussions around the project financing details with China development Bank. These discussions have been driven by Globe's strategic partner and major shareholder, ECE.

"The draft Definitive Feasibility Study remains on track for completion by the end of the current quarter," Mr. Jockel added.

-ENDS-

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## About Globe Metals & Mining

Globe is an African-focused resources company, specialising in rare metals such as niobium, tantalum and rare earths, as well as other commodities including graphite, fluorite, uranium and zircon. Globe's primary focus is the advanced multi-commodity Kanyika Niobium Project in Malawi, which will produce ferro-niobium, a key additive in sophisticated steels.

Globe also owns 100% of the Machinga Rare Earth Project in southern Malawi, and is earning up to a 90% interest in the Mount Muambe REE – Fluorite Project and the Membra Titanium – Iron Project, both in Mozambique. Recently Globe also announced it has entered into an agreement to acquire the Chiziro Graphite Project in Malawi.

Globe's corporate head office in Perth, Australia is supported by regional operational offices in Lilongwe, Maputo, Tete and Nacala. The Company has been listed on the ASX since December 2005 (Code: GBE).

In April 2011, the Company entered into a strategic partnership with East China Mineral Exploration and Development Bureau (ECE), a Chinese State Owned Enterprise with extensive mining operations in China and overseas. ECE is now the major shareholder in Globe, and a key partner for Globe's exploration and development program in Africa.

*The information in this presentation that relates to Globe Metals & Mining (ASX:GBE) is based on information compiled, reviewed or prepared by Mr Fergus Jockel, Exploration Manager for Globe Metals & Mining, who is a Member of the Australasian Institute of Mining & Metallurgy and of the Australian Institute of Geoscientists. Mr Jockel has sufficient experience, which is relevant to the style of mineralization and type of deposits under consideration and to the activities undertaken, to qualify as a Competent Person as defined in the 2004 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" (the JORC Code). Mr Jockel consents to the inclusion in this presentation of the matters based on this information, in the form and context in which they appear.*

**Table 1: Significant intercepts – Kanyika Niobium Project**

Hole ID	Zone	From (m)	To (m)	Length (m)	Nb <sub>2</sub> O <sub>5</sub> (ppm)	Ta <sub>2</sub> O <sub>5</sub> (ppm)	U <sub>3</sub> O <sub>8</sub> (ppm)	ZrSiO <sub>4</sub> (ppm)
KARC239	Milenje	136	161	25	4289	99	122	1012
inc.		136	147	11	6632	138	182	847
KARC241	Milenje	135	147	12	5113	243	104	5903
KARC241	Milenje	152	161	9	6049	180	168	5667
KARC244	Milenje	79	137	58	4386	200	110	4872
inc.	Milenje	95	136	41	4792	221	116	5492
KARC248	Milenje	87	106	19	5729	296	127	9909
KARC248	Milenje	151	158	7	13405	671	619	11208
KARC249	Milenje	129	135	6	4193	180	127	4191
KARC252	Milenje	82	88	6	4118	268	72	8908
KARC252	Milenje	130	145	15	5001	289	211	8813
KARC260	Milenje	70	76	6	4389	199	106	2589
KARC260	Milenje	97	103	6	5030	210	110	3139
KARC261	Etandweni	1	7	6	4316	192	127	7427
KARC261	Etandweni	105	111	6	5055	258	67	23223
KARC264	Milenje	95	101	6	5441	358	240	8018
KARC268	Uzambazi	14	20	6	4844	191	124	4806
KARC269	Uzambazi	8	14	6	5272	292	74	8879
KARC272	Uzambazi	13	20	7	4174	283	71	8480
KARC273	Uzambazi	5	11	6	5866	174	154	2722
KARC274	Uzambazi	22	28	6	4021	112	100	3597
KARC274	Milenje	43	49	6	5797	402	90	13874
KARC275	Milenje	26	32	6	4652	243	73	4653

Hole ID	Zone	From (m)	To (m)	Length (m)	Nb <sub>2</sub> O <sub>5</sub> (ppm)	Ta <sub>2</sub> O <sub>5</sub> (ppm)	U <sub>3</sub> O <sub>8</sub> (ppm)	ZrSiO <sub>4</sub> (ppm)
KARC276	Pangano	0	12	12	5173	216	131	4645
KARC277	Pangano	1	13	12	5142	207	131	5649
KARC277	Etandweni	82	89	7	4082	628	60	4749
KARC278	Uzambazi	86	92	6	4656	380	254	9400
KARC278	Etandweni	97	103	6	5310	254	72	11681
KARC278	Milenje	157	163	6	6440	365	79	10037
KARC283	Pangano	25	32	7	9315	312	288	5983
KARC283	Uzambazi	112	118	6	4186	165	116	3510
KARC284	Uzambazi	57	101	44	13210	330	408	1917
inc.	Uzambazi	69	82	13	25938	597	842	2084
KARC284	Uzambazi	126	132	6	4098	157	95	3561
KARC285	Uzambazi	7	13	6	5577	416	253	7155
KARC285	Milenje	134	140	6	5057	276	75	6504
KARC288	Pangano	3	11	8	9792	405	288	6279
KARC288	Uzambazi	100	106	6	5316	140	132	5541
KARC288	Uzambazi	110	116	6	5879	208	138	4666
KARC288	Etandweni	148	154	6	4402	130	113	6121
KARC291	Uzambazi	81	87	6	4562	179	171	6729
KARC292	Etandweni	144	150	6	5070	282	88	8898
KARC295	Pangano	41	47	6	4912	287	193	6856
KARD286	Uzambazi	120	129	9	6525	311	98	10809

True intercept widths are uncertain at this stage. Nb<sub>2</sub>O<sub>5</sub> results based on a 4,000ppm Nb<sub>2</sub>O<sub>5</sub> cut off and minimum intercept width of 6m.



**Table 2: Drillhole Information - Kanyika**

Hole ID	Depth (m)	Easting (m)	Northing (m)	RL (m)	Dip	Azimuth	RC Pre-Collar (m)	Diamond Tail (m)
KARC239	220	572942	8597294	1050	55	80	220	0
KARC241	205	572909	8597197	1050	55	79	205	0
KARC244	220	572881	8597095	1047	55	76	220	0
KARC245	100	572840	8597099	1044	55	80	100	0
KARC247	120	573011	8597294	1047	55	84	120	0
KARC248	220	572855	8596995	1044	75	90	220	0
KARC249	200	572840	8596896	1038	75	90	200	200
KARC250	98	572775	8596796	1033	55	83	98	0
KARC252	201	572742	8596694	1024	55	79	201	0
KARC253	180	572061	8595195	1061	55	82	180	0
KARC254	120	572197	8595193	1077	55	84	120	0
KARC255	80	572296	8595191	1087	55	86	80	0
KARC256	164	572111	8595295	1057	55	81	164	0
KARC257	150	572148	8595395	1056	55	83	150	0
KARC258	150	572152	8595495	1053	55	83	150	0
KARC259	150	572151	8595294	1061	55	83	150	0
KARC260	125	572234	8595488	1061	55	84	125	0
KARC261	140	572272	8595696	1059	55	83	140	0
KARC262	210	572148	8595595	1050	55	80	210	0
KARC263	158	572322	8595793	1061	55	82	160	0
KARC264	120	572437	8595795	1070	55	85	120	0
KARC265	90	572497	8595895	1068	55	86	90	0
KARC266	130	572457	8595895	1070	55	84	130	0
KARC267	115	572158	8595695	1045	55	80	115	0
KARC268	172	572439	8596003	1071	55	81	172	0
KARC269	80	572387	8595594	1075	55	86	80	0
KARC270	180	572483	8596094	1061	55	81	180	0

Hole ID	Depth (m)	Easting (m)	Northing (m)	RL (m)	Dip	Azimuth	RC Pre-Collar (m)	Diamond Tail (m)
KARC271	100	572347	8595594	1075	55	85	100	0
KARC272	80	572357	8595501	1082	55	86	80	0
KARC273	95	572321	8595495	1078	55	86	95	0
KARC274	90	572325	8595400	1084	55	86	90	0
KARC275	100	572335	8595294	1091	55	86	100	0
KARC276	150	572200	8595294	1075	60	90	150	0
KARC277	125	572225	8595396	1070	55	84	125	0
KARC278	170	572261	8595593	1066	55	82	170	0
KARC280	60	572207	8595795	1045	55	84	60	0
KARC283	150	572391	8596143	1044	55	81	150	0
KARC284	150	572432	8596145	1048	55	76	150	0
KARC285	160	572511	8596196	1048	55	82	160	0
KARC287	140	572377	8596194	1040	55	83	140	0
KARC288	163	572368	8595996	1057	55	80	163	0
KARC290	140	572517	8596090	1057	55	83	140	0
KARC291	88	572411	8596092	1055	55	80	88	0
KARC292	180	572252	8595895	1045	55	81	180	0
KARC293	134	572197	8595696	1049	55	82	134	0
KARC294	200	572227	8595893	1043	58	80	200	0
KARC295	200	572240	8595793	1049	55	80	200	0
KARC296	120	572301	8595293	1086	55	90	120	0
KARC297	200	572562	8596294	1041	55	81	200	0
KARC298	140	572340	8595892	1060	60	83	140	0
KARC299	172	572602	8596294	1041	55	81	172	0
KARC302	120	572195	8595095	1080	60	85	120	0
KARC304	127	572121	8595096	1070	60	84	127	0
KARD238	100.13	572792	8596692	1026	55	270	40	60.13
KARD240	250.04	572903	8597293	1050	55	78	120	130.04

Hole ID	Depth (m)	Easting (m)	Northing (m)	RL (m)	Dip	Azimuth	RC Pre-Collar (m)	Diamond Tail (m)
KARD242	280	572868	8597199	1047	55	77	140	140
KARD243	280	572830	8597198	1043	55	73	180	100
KARD246	260	572804	8597093	1041	55	76	140	120
KARD251	162	572737	8596796	1033	55	80	82	80
KARD279	250	572673	8596595	1024	55	81	90	160
KARD281	220	572252	8595995	1040	55	82	70	150
KARD282	140.4	572306	8596093	1037	65	82	80	60.4
KARD286	213	572325	8595995	1048	55	80	162.4	50.6
KARD289	190	572352	8596144	1040	55	81	69.39	120.61
KARD300	189.94	572637	8596394	1035	55	80	119	70.94
KARD301	220	572712	8596594	1021	55	80	136	84
KARD303	224	572663	8596497	1027	55	79	124	100