

## **Vital Metals' Exciting New Gold Intersections at Doulnia (31m @ 3.19 g/t Gold; 18m @ 2.95 g/t Gold; 4m @ 18.71 g/t Gold)**

**Vital Metals Ltd (ASX Code: VML)** and Joint Venture Partner **Ampella Mining Ltd (ASX Code: AMX)** are pleased to announce exciting assay results for the first 19 drill holes of the recently completed 24 Reverse Circulation (RC) drill hole Phase 1 Drill Programme at the Doulnia Gold Project in Burkina Faso, West Africa (see ASX announcement 28<sup>th</sup> April 2010).

### **Best results:**

- KRC001: **18m @ 2.95g/t Gold** from 37m  
(incl. **4m @ 4.28 g/t Gold** from 45m & **2m @ 9.56g/t Au** from 53m)
- KRC001: **4m @ 18.71g/t Gold** from 76m (ended in mineralisation)
- KRC010: **5m @ 1.70g/t Gold** from 30m
- KRC018: **2m @ 3.63g/t Gold** from 41m
- KRC019: **31m @ 3.19g/t Gold** from 34m  
(incl. **2m @ 16.91g/t Gold** from 41m)

Vital Metals Managing Director Dr Howard Carr and Ampella Mining Managing Director Dr Paul Kitto believe these exciting early-stage results confirm the prospectivity of the Doulnia Project to host significant economic gold mineralisation.

Dr Carr said "Prior to Phase 1 Drilling at Doulnia, we completed a thorough review of geoscientific research and exploration in the area, and had in-depth discussion with Ampella on previous exploration results, interpretations, implications and medium term exploration strategies. This review and follow-up field work convinced us of Doulnia's outstanding geological and structural setting, and the urgent need to drill a number of high quality, outcropping targets."

Dr Kitto added that "I am especially pleased by the width of the intercepts in KRC001 and KRC019. It is pleasing to note that Vital have hit mineralisation in 11 out of 19 drill holes in what is essentially a scout drill programme. I look forward to seeing the results from the remainder of Phase 1 and from their more carefully considered Phase 2 Drill programme"

Ampella Executive Director Mr Evan Cranston drew attention to the value of Doulnia to Ampella shareholders "We are impressed that our farm-out strategy is bearing fruit in a timely fashion. We are happy with our exposure to yet another exciting Burkina Faso Gold project. Congratulations to the Vital team on a job well done".

Table 1 shows the complete list of mineralised gold intercepts, generated by applying a nominal 0.5 g/t Au lower cut-off grade, for the first 19 holes. The RC chips were assayed by Fire Assay at BIGS Global Laboratories in Ouagadougou using a 50g charge. Vital inserted QA/QC reference material samples (blanks and gold standards) at regular intervals of not less than one in 20 for all batches of

samples. The results for the remaining five holes are expected shortly and will be released following receipt, cross-checking and initial evaluation.

The first 19 drill holes tested multiple gold mineralisation targets generated by Ampella's initial sampling in 2008, and Vital's own work (soil sampling, trenching, artisanal workings sampling, rock-chip sampling and geological mapping) in the period since the Doulunia Farm-In was announced on 19<sup>th</sup> November 2009.

Table 2 shows the physical attributes of all Phase 1 drill holes, which tested approximately 5kms along strike and less than 1.5kms across strike of the interpreted main "Kollo" structure. The Doulunia Project covers an area of around 479km<sup>2</sup>.

Vital have recognised for some time that Doulunia's geotectonic and structural setting (at or adjacent to the intersection of the Markoye-Dori-Tiebele Shear Zone and the Bole Greenstone belt) is highly favourable for gold mineralisation on a regional scale (Figure 1).

The significance of these preliminary results is enhanced by the fact Phase 1 drill holes were sited without the aid of high resolution aeromagnetic and radiometric data - generally deemed critical for successful (drill) testing of local targets generated from regional prospects.

"By August an aeromagnetic-based structural interpretation, combined with PIMA alteration mapping, will significantly enhance our understanding of the controls on what is obviously a highly mineralised system" Dr Carr said.

Vital are evaluating the logistics and merits of accelerating the Phase 2 Drill Programme and will keep the market informed in this regard.

**Table 1. First 19 drill holes of Doulunia Phase 1 Drill Programme. Gold mineralised intercepts at > 0.5 g/t Au lower cut-off grade.**

Hole ID	Interval (m)	From (m)	To (m)	Grade Au g/t
KRC001	18	37	55	2.95
includes	4	45	49	4.28
and	2	53	55	9.56
KRC001	5	60	65	3.55
KRC001	4	76	80	18.71
KRC003	4	0	4	1.54
KRC004	6	5	11	1.11
KRC004	9	5	14	0.77
KRC006	3	0	3	0.66
KRC006	5	14	19	0.62
KRC006	2	22	24	1.01
KRC007	2	0	2	0.57
KRC009	4	0	4	1.89
KRC010	5	30	35	1.70
KRC011	3	13	16	2.75

KRC011	3	33	36	0.82
KRC016	2	13	15	0.85
KRC018	2	41	43	3.63
KRC018	3	58	61	0.70
KRC018	2	66	68	3.00
KRC019	4	4	8	0.59
KRC019	31	34	65	3.19
includes	2	41	43	16.91

**Table 2. Phase 1 Drill Programme drill hole physical attributes.**

Hole ID	Easting	Northing	RL (m)	Az (mag)	Decl (deg)	Depth (m)
KRC001	722673	1222733	261.80	350	-60	80
KRC002	722673	1222768	262.80	350	-60	61
KRC003	722670	1222795	262.90	350	-60	31
KRC004	722673	1222806	263.00	350	-60	73
KRC005	722720	1222750	262.50	350	-50	97
KRC006	722754	1222791	263.30	0	-50	84
KRC007	722850	1222731	261.80	0	-50	49
KRC008	722952	1222749	261.30	350	-50	66
KRC009	722850	1222760	263.70	0	-50	43
KRC010	722420	1222600	269.60	330	-50	62
KRC011	722345	1222548	279.00	330	-60	55
KRC012	722331	1222560	278.50	330	-60	55
KRC013	722247	1222557	301.60	330	-60	91
KRC014	722865	1221800	262.00	330	-60	80
KRC015	723496	1223805	289.90	170	-50	57
KRC016	723740	1223800	321.70	170	-50	157
KRC017	726178	1224173	275.10	180	-60	49
KRC018	724595	1223911	279.60	335	-60	76
KRC019	724560	1223900	278.10	335	-60	65
KRC020	724557	1223912	278.50	335	-50	50
KRC021	724500	1223875	275.80	335	-60	60
KRC022	723790	1223783	330.60	170	-50	157
KRC023	724372	1223804	285.30	340	-50	61
KRC024	724295	1223772	294.10	340	-50	82

## Overview of Markoye-Dori-Tiebele Shear Zone

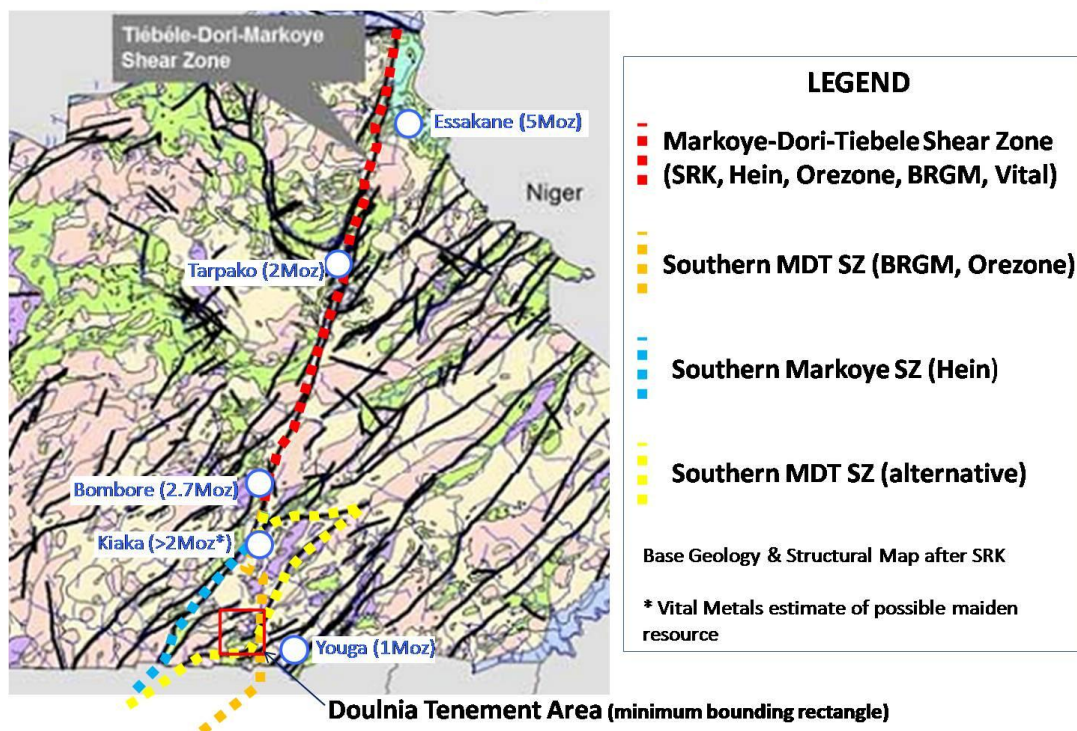


Figure 1. Location of the Doulia Project proximal to interpreted locations of the southern extension of the Markoye-Dori-Tiebele Shear Zone; host of >10Moz Au.

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For further details, refer to the company's website, [www.vitalmetals.com.au](http://www.vitalmetals.com.au) or contact:

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**Competent Person Statement**

The information in this announcement that relates to Exploration Results and Mineral Resources is based on information compiled by Dr Howard W. Carr (CEO,MD), an employee of the Company. Dr Carr is a member of the Australian Institute of Geoscientists (AIG) and has sufficient experience of relevance to the styles of mineralisation and the types of deposits under consideration, and to the activities undertaken, to qualify as a Competent Person as defined 2004 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Dr Carr consents to the inclusion in the report of matters based on his information in the form and context in which it appears.