



ASX Announcement and Media Release

24 November 2014

## 5.8m THICK ZONE OF MASSIVE SULPHIDES

### HIGHLIGHTS

- Drilling intersects **5.8m of massive sulphides** and **28.4m of disseminated sulphides**
- Nickel and copper sulphides are clearly visible in the drill core
- Importantly, this intersection is **120 metres from the previous most southerly intersection** of nickel-copper mineralisation – south east from the Rosie Ni-Cu deposit
- Core has been sent for priority assaying
- **Drilling continues at the newly discovered zone**, with a further five holes planned as part of an immediate follow-up drill program

Duketon Mining Limited (ASX: DKM) advises that ongoing diamond drilling has intersected massive sulphides with visible nickel and copper sulphides at a new zone (the Nariz prospect) within its 100% owned Duketon Project in WA.

Hole DKMDD-0005 intersected **5.8 metres of massive sulphides** from 438.4 metres and **28.4 metres of disseminated sulphides** from 410.0 metres.

The massive sulphide intersection with visible pentlandite (nickel sulphide) and chalcopyrite (copper sulphide) is shown below in Figures 1, 2 and 3. It is not yet known if the mineralisation also contains platinum group metals (PGM's). The core has been sent for priority assaying and results will be reported in the coming weeks.

Drilling continues at the newly discovered zone, with a further five holes planned as part of an immediate follow-up drill program.

Importantly, the intersection was made at the Nariz prospect which sits approximately 120 metres from hole DKMRCD002 - the previous most southerly intersection of nickel-copper mineralisation at Rosie. DKMRCD002 intersected 7.20m at 1.30%Ni, 0.13%Cu and 1.12g/t Pt+Pd (see Figure 4 and ASX Announcement 6 October 2014). DKMRCD002 was predominantly disseminated sulphides.

Duketon's Managing Director Stuart Fogarty said the latest results continue to support the Company's view that there is major scope to discover and grow nickel resources at the Company's 100% owned Duketon Project.

"The intersection of massive sulphides within the Nariz Prospect is very promising and supports the fundamental prospectivity of "The Bulge Ultramafic" in the Duketon Project. We look forward to continuing the immediate follow-up drill program." Mr Fogarty said.



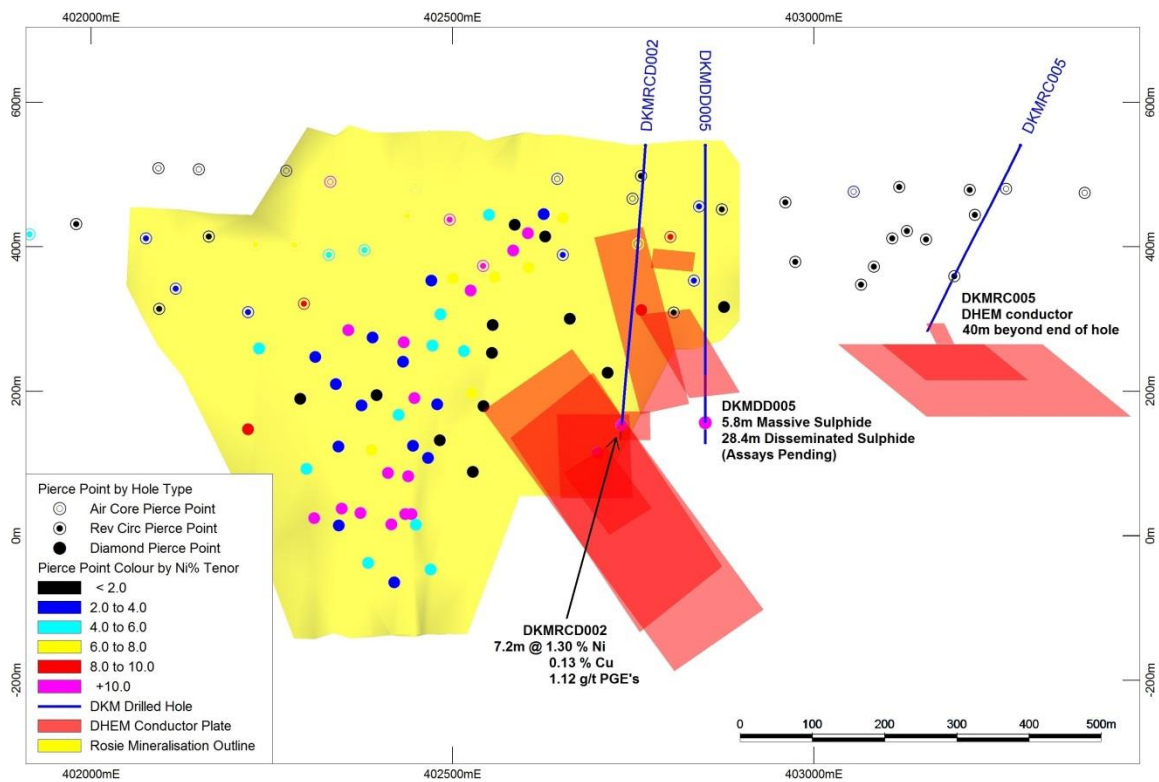
**Figure 1: Photo of massive sulphide zone from hole DKMDD005**



**Figure 2: Detailed photo of massive sulphide zone from hole DKMDD005**

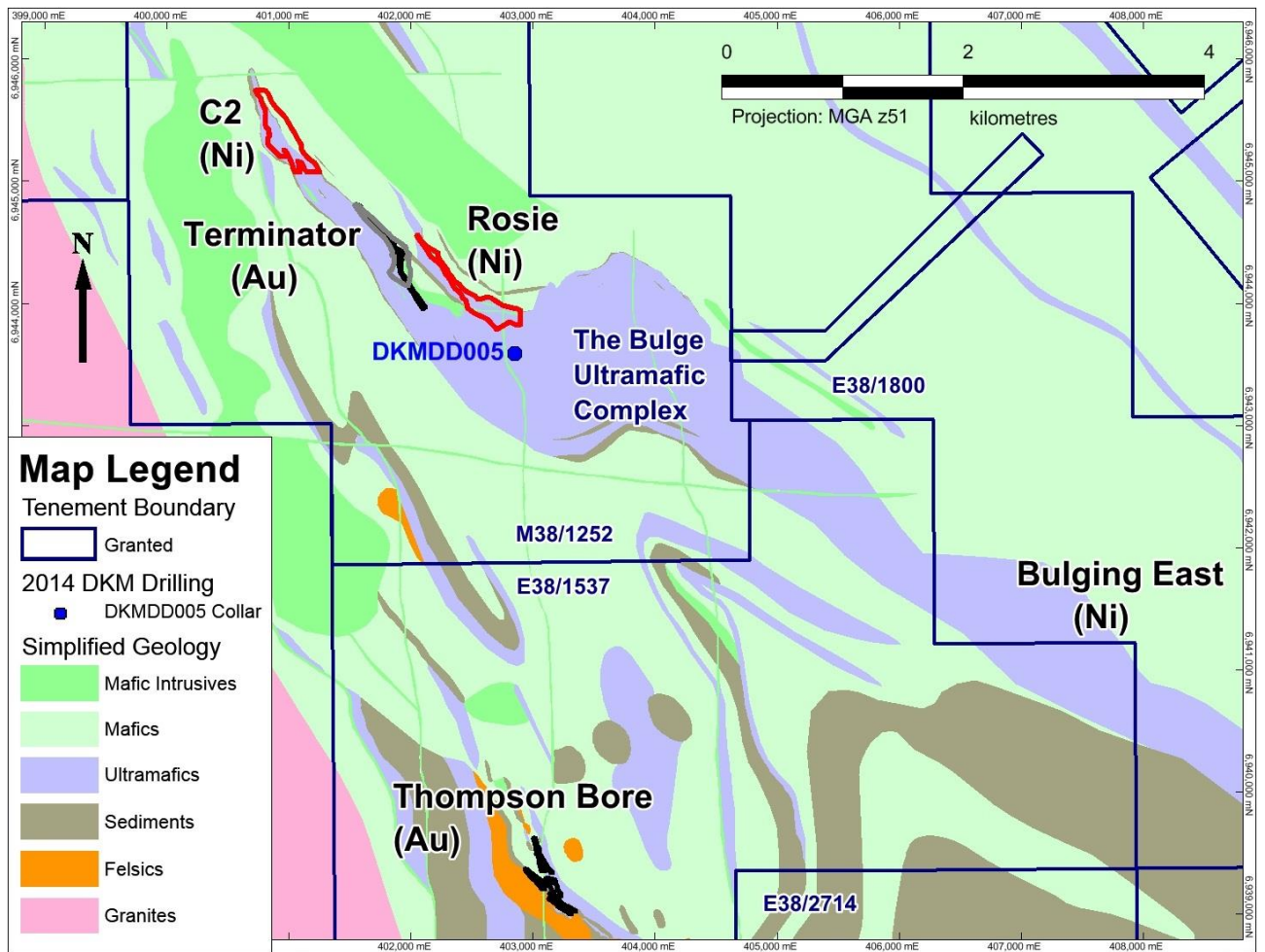


**Figure 3: Detailed photo of massive sulphide zone from hole DKMDD005**



**Figure 4: Longsection looking north showing the Rosie mineralisation, DKMDD-005 and the relevant DHEM plates**





**Figure 5: Plan showing location of DKMDD005**

HOLE ID	East	North	RL	Dip	Azi	From(m)	To(m)	Ni(%)
DKMDD005	402850	6943590	540	-60	360	410.0	438.4	Pending
						438.4	444.2	Pending

**Table 1: Significant Intercepts, Nariz Prospect**

For further enquiries, please contact:

**Investors:**  
 Stuart Fogarty  
 Duketon Mining - Managing Director  
 +61 8 6315 1490

**Media:**  
 Paul Armstrong/Nicholas Read  
 Read Corporate  
 +61 8 9388 1474/0421 619 084



*The information in this report that relates to exploration results is based on information compiled by Mr Trevor Saul, Member of the Australian Institute of Mining and Metallurgy ("AusIMM") and a consultant for Duketon Mining Limited. Mr Saul has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity that is being undertaken to qualify as a competent person as defined in the JORC Code 2012. Mr Saul consents to the inclusion in the report of the matters based on the information in the form and context in which it appears.*