

ASX RELEASE

19 August 2009

DOOLGUNNA: FURTHER DRILLING SUCCESS

More Highly Promising Assays; Step-Out Drilling Continues to Extend High-Grade Mineralisation

Sandfire Resources NL (ASX: SFR; Sandfire) is pleased to report further high-grade copper-gold assay results from its 100%-owned **Doolgunna Copper-Gold Project** in Western Australia, including final results for diamond core hole, DGDD-001, and assay results from the third hole, DGDD-003. Ongoing drilling also continues to intersect significant extensions to the **DeGrussa** and **Conductor 1** zones.

Final Assay Results for DGDD-001

Final assay results have now been received for Intersection 4 in the first diamond drill hole, DGDD-001 (first 11.3 metres previously reported).

Intersection 4 (part of Conductor 1):

8.3m @ 5.0% Cu, 0.4% Zn, 1.8g/t Au, 18.1g/t Ag from 348.0m

The complete results of this hole are now reported as follows.

	Interval (downhole)			Copper (Cu) %	Gold (Au) g/t
	From (m)	To (m)	Total (m)		
Intersection 1 – DeGrussa	146.1	167.4	21.3	16.3	1.3
Intersection 2 – DeGrussa	175.9	207.8	31.9	17.9	3.5
Intersection 3 – Conductor 1	319.0	324.5	5.5	4.2	2.2
Intersection 4 – Conductor 1	336.7	356.3	19.6	3.6	1.6

In total, DGDD-001 intersected **78.3 metres** of high-grade copper-gold mineralisation.

Assay Results for DGDD-003

Assay results have now also been received for drill hole DGDD-003 – which is located at 733960mE and 7173040mN, 120 metres east and 40 metres north of DGDD-001:

DGDD-003:

21.9m @ 5.0% Cu, 1.8% Zn, 2.0g/t Au, 14.9g/t Ag from 322.2m

This intersection is interpreted to be part of the Conductor 1 zone.

Drilling Update: New Massive Sulphide Intersections (see previous ASX Announcements for full diagram of drill hole locations)

Hole DGDD-008 (7172990mN, 733880mE) – located 40 metres east of DGDD-001

Hole	From	To	Width	Type	Comment
DGDD-008	245.9m	286.5m	40.6m	Massive sulphide	DeGrussa-style mineralisation
DGDD-008	342.6m	347.3m	4.7m	Sulphide	Conductor 1 style mineralisation
DGDD-008	347.3m	362.8m	15.5m	Massive sulphide	Conductor 1 style mineralisation

Hole DGDD-009 (717292mN, 733840mE) – located 80 metres due south from DGDD-001.

No significant mineralization – intersected gabbro unit similar to that intersected by hole DGDD-002, 40 metres to the south.

Hole DGDD-010 (717292mN, 733880mE) – located 40 metres east and 40 metres south from DGDD-001

Hole	From	To	Width	Type	Comment
DGDD-010	317.2m	321.0m	3.8m	Massive sulphide	DeGrussa-style mineralisation
DGDD-010	371.8m	373.8	2.0m	Sulphide	Conductor 1-style mineralisation
DGDD-010	373.8m	387.2m	13.4m	Massive sulphide	Conductor 1-style mineralisation
DGDD-010	392.3m	394m	1.7m	Massive sulphide	Conductor 1-style mineralisation

The results seen to date are consistent with Sandfire's geological model for DeGrussa and Conductor 1, which suggest that they are two separate zones of steeply-dipping mineralisation.

Diamond drilling is continuing with two drilling rigs operational to provide further information on the scale and orientation of the mineralisation discovered at DeGrussa and Conductor 1.

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TECHNICAL DIRECTOR (AUSIMM Competent Person)

Competent Person's Statement

The information in this report that relates to Exploration Results is based on information compiled by John Evans who is a Fellow of the Australasian Institute of Mining and Metallurgy. John Evans has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the Australasian Code of Reporting of Exploration Results, Mineral Resources and Ore Reserves. John Evans consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

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