

# Developing a global iron ore business

3 November 2009

**ASX / MEDIA RELEASE** 

## SUNDANCE EXPANDS MBALAM PROJECT EXPLORATION PROGRAM

Second Drilling Rig Acquired To Target High Grade Hematite Prospects

International iron ore company Sundance Resources Limited (ASX: SDL – "Sundance") is pleased to advise that it has purchased a second diamond drilling rig which will enable it to accelerate exploration of High Grade hematite prospects at its Mbalam Iron Ore Project in West Africa.

The second Sandvik DE710 (UDR 200D LS) Track Mounted Drill Rig will supplement the rig currently being mobilised to site for drilling at the Nabeba Deposit, located 42km south of the flagship Mbarga Deposit.

The drilling program is aimed at converting the Exploration Target\* for the Nabeba Deposit of 100 to 250Mt hematite grading 55 to 65% Fe to JORC-Code compliant resources, thereby increasing the Project's inventory of High Grade hematite (refer to Table 1).

"As foreshadowed to shareholders at yesterday's Annual General Meeting, the Company has decided to accelerate its work program to facilitate Project financing in 2010," said Sundance's CEO, Mr Don Lewis. "The definition of additional High Grade hematite resources is a key part of this work program and has the potential to add significant value as we progress discussions with prospective strategic partners."

"We are very pleased to have been able to secure this drill rig quickly in a tightening market for such equipment. This was achieved by exercising an option we obtained over this identical rig when we purchased the first rig in August. Sundance will self-perform drilling operations for both rigs with the first rig expected to be commissioned on site this week. The second rig is expected to be delivered in Johannesburg ready for shipment to Cameroon later this month", Mr Lewis concluded.

Table 1: SUMMARY OF INDICATED AND INFERRED RESOURCES OF HIGH GRADE HEMATITE							
Deposit	Resource Category	Tonnage (MT)	Grade				
			Fe (%)	SiO <sub>2</sub> (%)	A1 <sub>2</sub> O <sub>3</sub> (%)	P (%)	LOI (%)
Mbarga	Indicated	168.7	60.5	9.5	2.1	0.08	1.4
	Inferred	10.4	57.5	13.0	2.7	0.06	1.6
Mbarga South	Inferred	21.8	58.8	9.4	3.0	0.06	2.9
Metzimevin	Inferred	14.3	61.8	10.3	3.6	0.09	1.8
Total - Indicated and Inferred Resource		215.2	60.2	9.8	2.3	0.08	1.6

<sup>\*</sup> While the Company is optimistic that it will report additional resources in the future, any discussion in relation to the potential quantity and grade of Exploration Targets in excess of Inferred or Indicated Mineral Resources is only conceptual in nature. There has been insufficient exploration to define a Mineral Resource in excess of that estimated for the Mbarga, Mbarga South or Metzimevin Deposits and it is uncertain if further exploration will result in determination of a Mineral Resource for the Nabeba Deposit or other prospects on the Company's landholdings.

#### **ENDS**

Released by: On behalf of:

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#### **About Sundance Resources Limited**

Sundance Resources Ltd is an Australian exploration company focused on mining interests in the Republic of Cameroon and the Republic of Congo, on the central west coast of Africa. Sundance has commenced feasibility study on its Mbalam Iron Ore Project as the basis for developing a global iron ore business.

Central West Africa is considered to have the potential to develop into a significant new iron province, underpinned by the Mbalam Project and nearby projects in Congo and Gabon.

WA-based Sundance has been listed on the Australian Stock Exchange since 1993 and is also traded on over-the-counter markets in Frankfurt, Berlin, Hamburg, Stuttgart and Munich.

#### **Competent Persons Statement**

The information in this release that relates to Exploration Results is based on information compiled by Mr Robin Longley, a Member of the Australian Institute of Geoscientists, and Mr Lynn Widenbar, a member of the Australasian Institute of Mining and Metallurgy.

Mr Longley is a consultant to the Company and has sufficient experience which is relevant to the style of mineralisation and type of Deposit and to the activity which he is undertaking 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". Mr Longley consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Mr Widenbar is a consultant to the Company and has sufficient experience which is relevant to the style of mineralisation and type of Deposit and to the activity which he is undertaking 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". Mr Widenbar consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The estimated quantity and grade of DSO quality Supergene mineralisation and underlying Itabirite-style mineralisation has been restricted to the area currently covered by drilling on a 100m x 50m pattern for the Indicated Resource at the Mbarga Deposit and 200m x 100m pattern for the Inferred Resource at the Mbarga South and Metzimevin Deposits. This is represented by an area approximately 3km (east-west) x 3km (north-south) on the Mbarga Deposit; by an area approximately 1.5km (east-west) and 1.0km (north-south) on the Mbarga South Deposit. Grade has been estimated by Ordinary Kriging on composited sample results. Cut-off grades for High Grade Hematite for the Mbarga Deposit are broken down as follows: Surficial: >50% Fe and <10% Al203; Supergene: No cut-off; Transitional: >51% Fe; Phosphorus: >53% Fe and <0.3% P; Hypogene: >52% Fe. Mbarga South is quoted at >50% Fe cut-off and Metzimevin is quoted at >56% Fe cut-off. A nominal 34% Fe cut-off value for the Mbarga Itabirite hematite is used.

A digital terrain surface (based on highly accurate topographic data), has been used to limit extrapolation of the mineralisation to the topography of the relevant deposits. A number of mineralisation and waste domains have been modelled as either a digital terrain surface or as wireframes and used to constrain the grade interpolation. The resource modelling has used 20m x 10m x 10m blocks with sub-blocks to honour the constraining surfaces. Collar surveys used DGPS surveying.

Down-hole surveys were determined using either deviation or gyro survey data. Down-hole geophysical logging including density, gamma, resistivity and caliper logs have been used in the evaluation.

The Itabirite mineralisation has a very strong correlation of density to Fe grade and therefore a Fe regression formula has been applied. The regression formula has been derived by analysis of data from geophysical downhole logging and assaying with a range of densities adopted from 3-4t/m3 depending on the iron grade. A density of 3.6t/m3 has been used for the majority of the near-surface High Grade Hematite and a value of 2.6 t/m3 applied to the overlying Surficial Zone. The underlying Transitional Zone has density values assigned via the Itabirite Fe grade regression formula, with a nominal 10% reduction applied to the resultant value to ensure the value is conservative.

Core and sample recovery has been recorded during logging. All drill hole data is stored in an acQuire database and imported data is fully validated. Assaying QA/QC was undertaken using field duplicates, laboratory replicates and internal standards with comprehensive reporting on laboratory precision and accuracy. Three metallurgical test work programs have supported the assay grades and density values of the major mineral types.

The map boundaries shown in the attached figures are indicative and should not be used for legal purposes. All areas are approximate and maps do not reflect all topographical features.

While the Company is optimistic that it will report additional resources in the future, any discussion in relation to the potential quantity and grade of Exploration Targets is only conceptual in nature. There has been insufficient exploration to define a Mineral Resource for these Exploration Targets and it is uncertain if further exploration will result in determination of a Mineral Resource.

### **Forward-Looking Statement**

Certain statements made during or in connection with this communication, including, without limitation, those concerning the economic outlook for the iron ore mining industry, expectations regarding iron ore prices, production, cash costs and other operating results, growth prospects and the outlook of SDL's operations including the likely commencement of commercial operations of the Mbalam Project and its liquidity and capital resources and expenditure, contain or comprise certain forward-looking statements regarding SDL's exploration operations, economic performance and financial condition. Although SDL believes that the expectations reflected in such forward-looking statements are reasonable, no assurance can be given that such expectations will prove to have been correct. Accordingly, results could differ materially from those set out in the forward-looking statements as a result of, among other factors, changes in economic and market conditions, success of business and operating initiatives, changes in the regulatory environment and other government actions, fluctuations in iron ore prices and exchange rates and business and operational risk management. For a discussion of such factors, refer to SDL's most recent annual report and half year report. SDL undertakes no obligation to update publicly or release any revisions to these forward-looking statements to reflect events or circumstances after today's date or to reflect the occurrence of unanticipated events.