

ASX/MEDIA RELEASE

15 September 2011

NEW HIGH GRADE GOLD ZONES DISCOVERED AT MT FISHER

HIGHLIGHTS

- **Discovery of new high-grade gold zones**
- **Multiple high-grade gold zones confirmed**
- **Best results include;**
 - **9m @ 4.43 g/t Au from the Damsel prospect**
 - **6m @ 4.08 g/t Au from the Dam prospect**
 - **1m @ 8.40 g/t Au from a composite sample**

INTRODUCTION

Rox Resources Limited ("Rox", ASX: RXL) is pleased to announce that recent drilling at its highly prospective Mt Fisher gold project, located approximately 250km north of Leonora in Western Australia's Goldfields region (Figure 1) has identified previously unknown high-grade gold zones and confirmed the presence of multiple zones of high-grade gold mineralisation. These are the result of 1 metre re-splits of previous 4 metre composite samples.

Managing Director Ian Mulholland said the latest 1 metre re-split assays were exciting and confirmed the high-grade prospectivity of the Mt Fisher Gold project and the mineralisation identified from previous sampling.

"Our first drilling campaign at Mt Fisher has been very successful. We have discovered some previously unknown zones of high grade mineralisation which is very exciting and gives us confidence that the mineralisation we've previously defined continues at depths with potentially economic grades.

We've also confirmed the potential for Mt Fisher to host multiple shallow high-grade gold deposits and high-grade gold mineralisation at depth.

We now intend to conduct a more extensive drilling campaign to prove up JORC resources at several prospects by the end of this year".

DRILLING RESULTS

Rox conducted a 3,000 metre program of Reverse Circulation (RC) drilling at Mt Fisher during July 2011. Results were previously reported on 23 August 2011, but several zones of 4 metre composite sampling were re-sampled at 1 metre intervals for better definition of the grade and thickness of the mineralisation. Drill locations and results are listed in Table 1.

New results reported include:

- MFRC001 1m @ 8.40 g/t Au from 205m at the Damsel prospect. This zone was previously not detected by the composite sampling.
- MFRC004 6m @ 4.08 g/t Au from 106m, including 4m @ 5.53 g/t Au from 106m at the Dam prospect. This interval was previously reported as 8m @ 3.08 g/t Au from 104m.
- 1m @ 5.79 g/t Au from 142m, previously not detected by the composite sampling.
- 2m @ 4.83 g/t Au from 149m, including 1m @ 8.34 from 149m. This interval was previously reported as 4m @ 1.37 g/t Au from 148m.
- 1m @ 3.20 g/t Au from 254m, previously reported as 4m @ 0.59 g/t Au from 252m.
- MFRC005 3m @ 2.66 g/t Au from 128m at the Dam prospect, including 1m @ 5.91 g/t Au from 129m. This interval was previously reported as 4m @ 1.54 g/t Au from 128m.
- MFRC010 1m @ 5.51 g/t Au from 40m at the Damsel, previously reported as 8m @ 1.53 g/t Au from 36m.
- MFRC011 4m @ 1.61 g/t Au from 176m at the Damsel, previously reported as 4m @ 1.00 g/t Au from 176m.

As previously reported (ASX release 23 August 2011), the drilling results in hole MFRC010 including 9m @ 4.43 g/t Au from 54m (see Table 1) highlight a zone of potential near surface mineralisation at the Damsel prospect, but now holes MFRC001 and MFRC011 also indicate potential at depth for economic grade mineralisation at that prospect.

The potential at depth at the Dam prospect has been confirmed by the results from holes MFRC004 and MFRC005.

PLANS

Rox has booked a rig to undertake further drilling at Damsel, Dam and other prospects from mid-October to the end of November, with a 5,000 – 6,000 metre program of Reverse Circulation (RC) drilling planned.

This drilling will also follow-up several high priority targets generated from the recent VTEM survey that indicate sulphide bodies in favourable geological locations with the goal of defining JORC resources at a number of these prospects.

ENDS

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About Rox Resources

Rox Resources (ASX: RXL) is an Australian exploration company with three key projects: the Mt Fisher Gold project in Western Australia, and the Myrtle zinc-lead project and the Marqua phosphate project, both located in the Northern Territory..

At Mt Fisher, Rox has acquired a highly prospective area of 615 km², well endowed with gold, and with strong potential for nickel, only 40km to the east of the prolific Yandal greenstone belt and 100km east of the main Wiluna greenstone belt. Three parallel structures at the Dam-Dirks prospect define a 5km long gold-in-regolith anomaly which is largely untested at depth. There are numerous high grade drill results over the project area including 1m @ 187 g/t Au and 3m @ 67 g/t Au at the Moray Reef prospect.

In addition Rox has an Option to acquire a further area of 170 km², including the Mt Fisher gold mine which has produced ~ 4,500 ozs of gold from historic underground mining and 22,500 ozs of gold from open pit mining, and is open at depth and down plunge. There are several other strong targets for drill testing as well. The total area under exploration by Rox at Mt Fisher is 785 km².

Rox has signed a joint venture agreement with Teck Australia Ltd. (“Teck”) to explore its Myrtle project tenements which cover 669 km² adjacent to the world-class McArthur River zinc-lead deposit in the Northern Territory. The terms of the JV require Teck to spend \$5 million to earn an initial 51% interest within 4 years including a minimum of \$1 million and 2,000 metres of drilling by 21 July 2012. Teck can increase its interest in the project to 70% by spending an additional \$10 million (\$15 million in total) over an additional 4 years.

A SEDEX style deposit has been identified by Rox at the Myrtle prospect, where an Inferred Mineral Resource of 43.6 million tonnes grading 4.09% zinc and 0.95% lead has been delineated to JORC Code standards. Thick drill intercepts of prospective stratigraphy carrying significant zinc-lead grades have already been made but only a small portion of the prospective area has been drilled, and Rox is extremely confident the resource will continue to grow with further drilling. A higher grade core of 15.3 million tonnes grading 5.45% zinc and 1.40% lead is present, and a large mineralised system is indicated. Several other prospects in the tenement area have similar potential to Myrtle but are at an early stage of exploration.

Rox also owns 100% of the Marqua phosphate project in the Northern Territory located 300km south-west of Mt Isa. A 25 km long strike length of phosphate bearing rocks has been identified by surface sampling (up to 39.4% P₂O₅) and drilling (including 6m @ 19.9% P₂O₅ and 5m @ 23.7% P₂O₅), and there is the potential for a sizeable phosphate resource to be present. The project is located only 250 km from the nearest railhead and gas pipeline at Phosphate Hill and covers ~ 2,600 km².

The information in this report that relates to Exploration Results and Mineral Resources is based on information compiled by Mr Ian Mulholland BSc (Hons), MSc, FAusIMM, FAIG, FSEG, MAICD, who is a Fellow of The Australasian Institute of Mining and Metallurgy and a Fellow of the Australian Institute of Geoscientists. Mr Mulholland 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 for Reporting of Exploration Results, Mineral Resources and Ore Reserves”. Mr Mulholland is a full time employee of the Company and consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Table 1: Mt Fisher RC Drilling Results

Hole	North ⁽⁹⁾	East ⁽⁹⁾	Dip	Azimuth	From (m)	To (m)	Interval (m)	Au ⁽¹⁾	Assay Type ⁽²⁾	Prospect
MFRC001	7027970	342430	-60	90	205	206	1	8.40	1m	Damsel
MFRC002	7027704	342449	-60	90	NSR					Damsel
MFRC003	7027379	342333	-57	90	NSR					Damsel
MFRC004	7027035	342115	-55	92	106 ⁽³⁾	112	6	4.08	1m	Dam
					142	143	1	5.79	1m	
					149 ⁽⁴⁾	151	2	4.83	1m	
					254	255	1	3.20	1m	
MFRC005	7027139	342126	-55	90	54	55	1	1.39	1m	Dam
					84	85	1	1.17	1m	
					121	122	1	2.64	1m	
					128 ⁽⁵⁾	131	3	2.66	1m	
					283	284	1	2.66	1m	
MFRC006	7025380	342198	-55	90	140	144	4	0.50	4m	Dam South
MFRC007	7025281	342243	-50	97	85	86	1	1.19	1m	Dam South
					155	157	2	1.32	1m	
					210	212	2	1.48	1m	
					235	236	1	0.90	1m	
MFRC008	7024860	342810	-55	90	NSR					Dam SE
MFRC009	7024558	342813	-60	90	148	149	1	0.83	1m	Dam SE
					154	157	3	0.82	1m	
MFRC010	7027567	342593	-60	90	40	41	1	5.51	1m	Damsel
					44 ⁽⁶⁾	51	7	2.14	1m	
					54 ⁽⁷⁾	63	9	4.43	1m	
MFRC011	7027845	342496	-60	94	158	159	1	1.21	1m	Damsel
					160	161	1	0.99	1m	
					167	168	1	1.39	1m	
					176	180	4	1.61	1m	
MFRC012	7029540	349580	-55	290	147 ⁽⁸⁾	150	3	3.87	1m	Mt Fisher Mine

Notes

New 1m re-split results highlighted in italics

- ⁽¹⁾ Results quoted at 0.8 g/t Au cut-off
⁽²⁾ Assay Types: 4m composite by AAS (25g charge), 1m split by Fire Assay (50g charge)
⁽³⁾ MFRC004, incl. 4m @ 5.53 g/t Au from 106m
⁽⁴⁾ MFRC004, incl. 1m @ 8.34 g/t Au from 149m
⁽⁵⁾ MFRC005, incl. 1m @ 5.91 g/t Au from 129m
⁽⁶⁾ MFRC010, incl. 1m @ 5.96 g/t Au from 45m
⁽⁷⁾ MFRC010 incl. 3m @ 8.31 g/t Au from 57m
⁽⁸⁾ MFRC012, incl. 2m @ 5.44 g/t Au from 147m
⁽⁹⁾ GPS coordinates for drill collars, MGA94, zone 53



Figure 1: Mt Fisher Project Location