

Mineral Resources Limited (ASX:MIN)

QUARTERLY REPORT, ENDING 31 MARCH 2013

HIGHLIGHTS

- **Phil's Creek Iron Ore Mine**
 - Agreement signed to purchase tenements from IOH - October 2011
 - Access and construction approvals completed - March 2012
 - Iron ore processing commences on site - October 2012
 - Haulage commences on temporary route to test logistics chain - January 2013
 - Maiden shipment loaded for customer evaluation - February 2013
 - Road construction and upgrade programme is ongoing
- **Carina Iron Ore Mine**
 - 961,518 wmt exported in quarter, representing an improvement on the previous period which was subject to FPA industrial action and scheduling delays
 - Production operations and supply chain well placed to deliver planned export volume target of 4 MTPA
- **Exploration**
 - J4 infill drilling completed with samples currently being assessed
 - Yilgarn regional environmental surveys progressing for all sites
 - Significant mineralisation at Weelumurra being confirmed by further drilling

Phil's Creek Iron Ore Mine

This project has been constructed and brought into early operation in record time. Iron ore processing commenced within 7 months of site access in March 2012. The maiden shipment from this project was loaded on 27th February 2013.

Small quantities have been transferred from site to Port Hedland, using a temporary road haulage route. Some material has also been exported from Utah Point to establish and test logistics arrangements whilst the permanent road construction and upgrade is completed. The project ramp-up schedule will be advanced in stages as this road work is completed.

Mining operations are progressing as planned; the development of stage one in the pit is on schedule. Ore grades are as predicted in the mining model.

Operation crews have been manned up for full production output as road construction is completed.

The process plant is commissioned and capable of producing at target capacity to coincide with the ramp-up schedule.

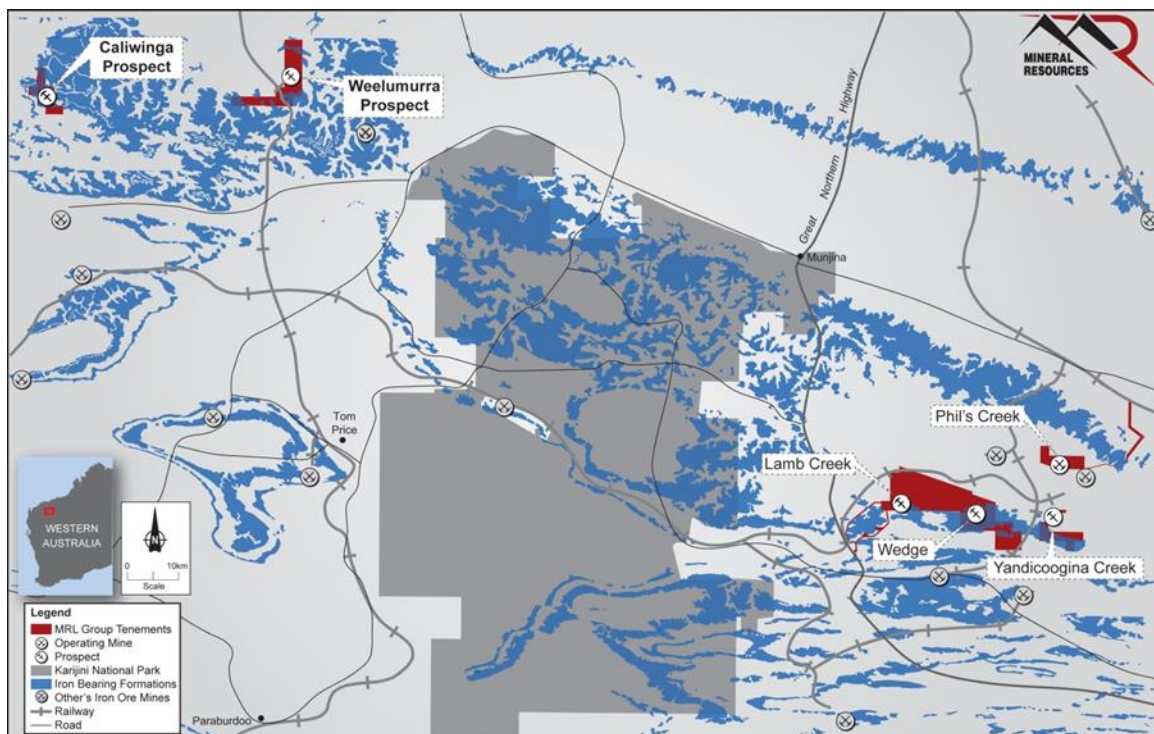


Figure – Pilbara Deposit Locations including the Phil's Creek Iron Ore Mine



Photo – Phil's Creek Mining



Photo – Phil's Creek Watercart



Photo – Phil's Creek Crusher and Road Trains

Carina Iron Ore Mine

Iron Ore shipped for the March quarter was 961,518 wmt with 20 vessels being loaded at Kwinana Berth. This is an improvement on the previous quarter which was the subject of FPA labour disputation, port scheduling and port maintenance issues. Ship loading continues to improve albeit still subject to some delays from industrial action and inbound shipping schedules.

Three additional train pathways with half consists were added to the rail schedule during the quarter. This allows for optimisation of the train loading facilities and logistics arrangements.

The Supply Chain is now at steady state, with mine development progressing well and consistent tonnes and grade being produced.

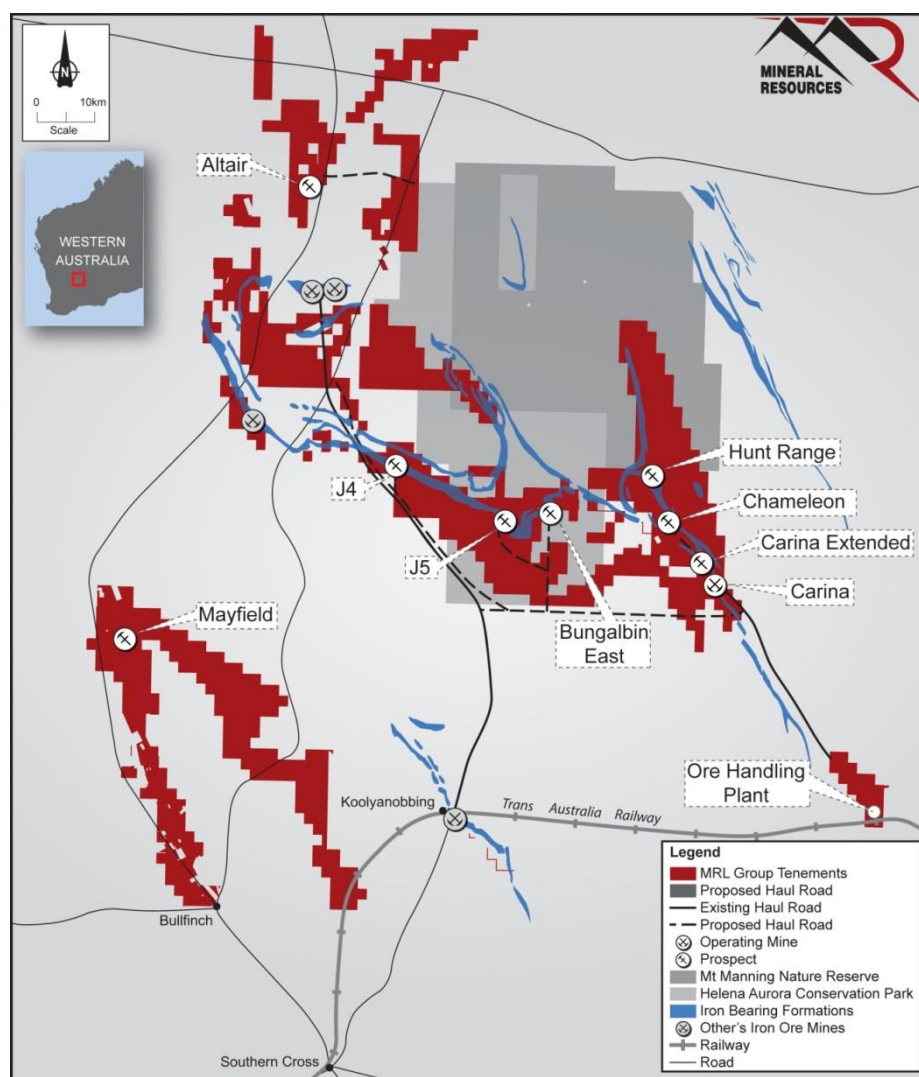


Figure: Yilgarn Deposit Locations

Yilgarn Exploration

109 holes were drilled for 15,030 m at J4 during the quarter. Subsequent to the period, the program has now been completed. This drilling has in-filled and extended the previous drilling by Portman. A significant investment is being made in environmental surveys to enable the smoothest possible approvals pathway. J4 is one of the suite of major deposits which can potentially be developed by Polaris in the Yilgarn Region to supplement and extend production from the region.

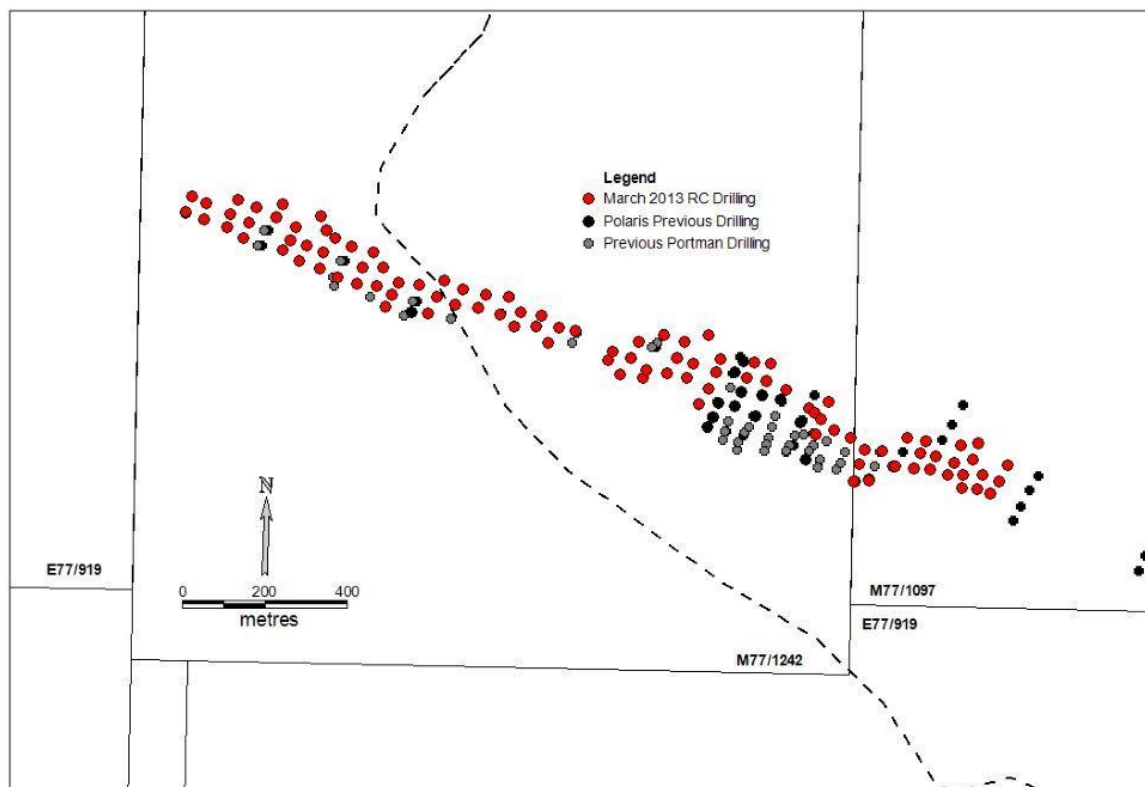


Figure - Drilling at J4 during the March 2013 quarter

Pilbara Exploration

249 shallow holes for 6,377m were drilled at Caliwinga. Channel Iron Deposit mineralisation has been identified. Further assays are in progress. A further heritage survey was completed to drill prospective ground not previously surveyed.

Drill rigs returned to Weelumurra to follow up significant mineralisation confirmed by assays during the quarter. 27 holes for 1,310m were drilled and results are being evaluated.

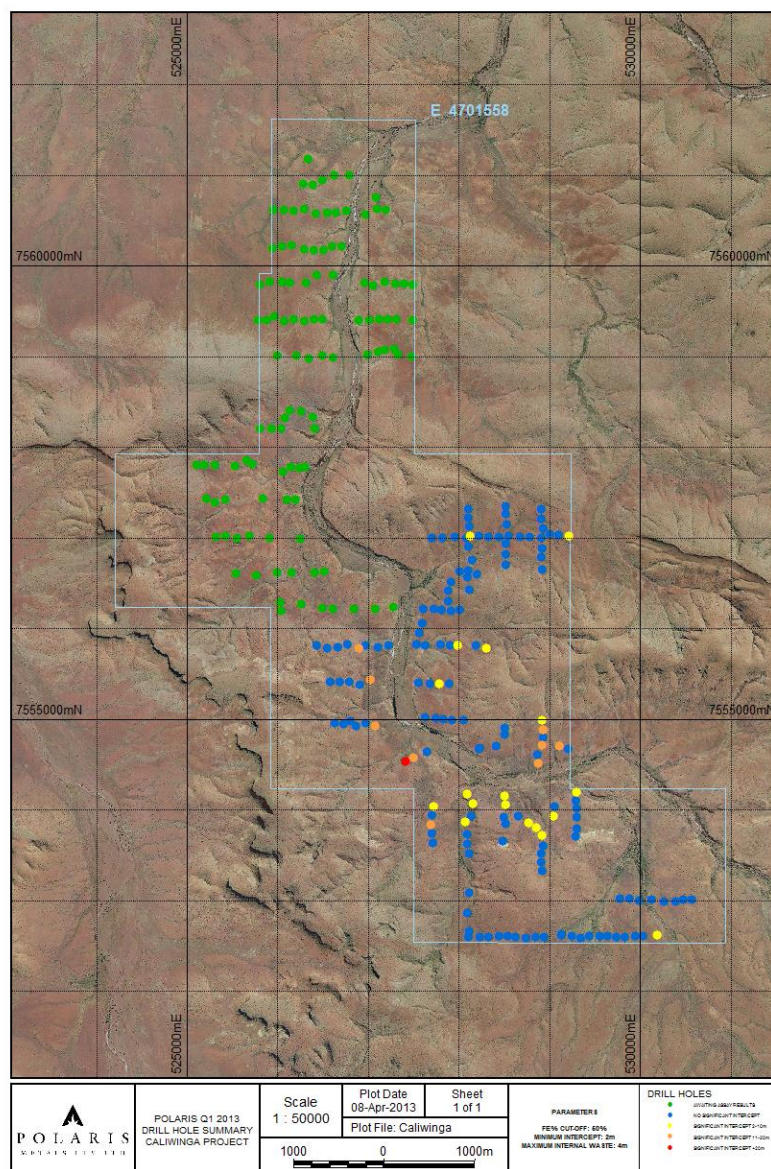


Figure - Drilling at Caliwinga during the March 2013 quarter

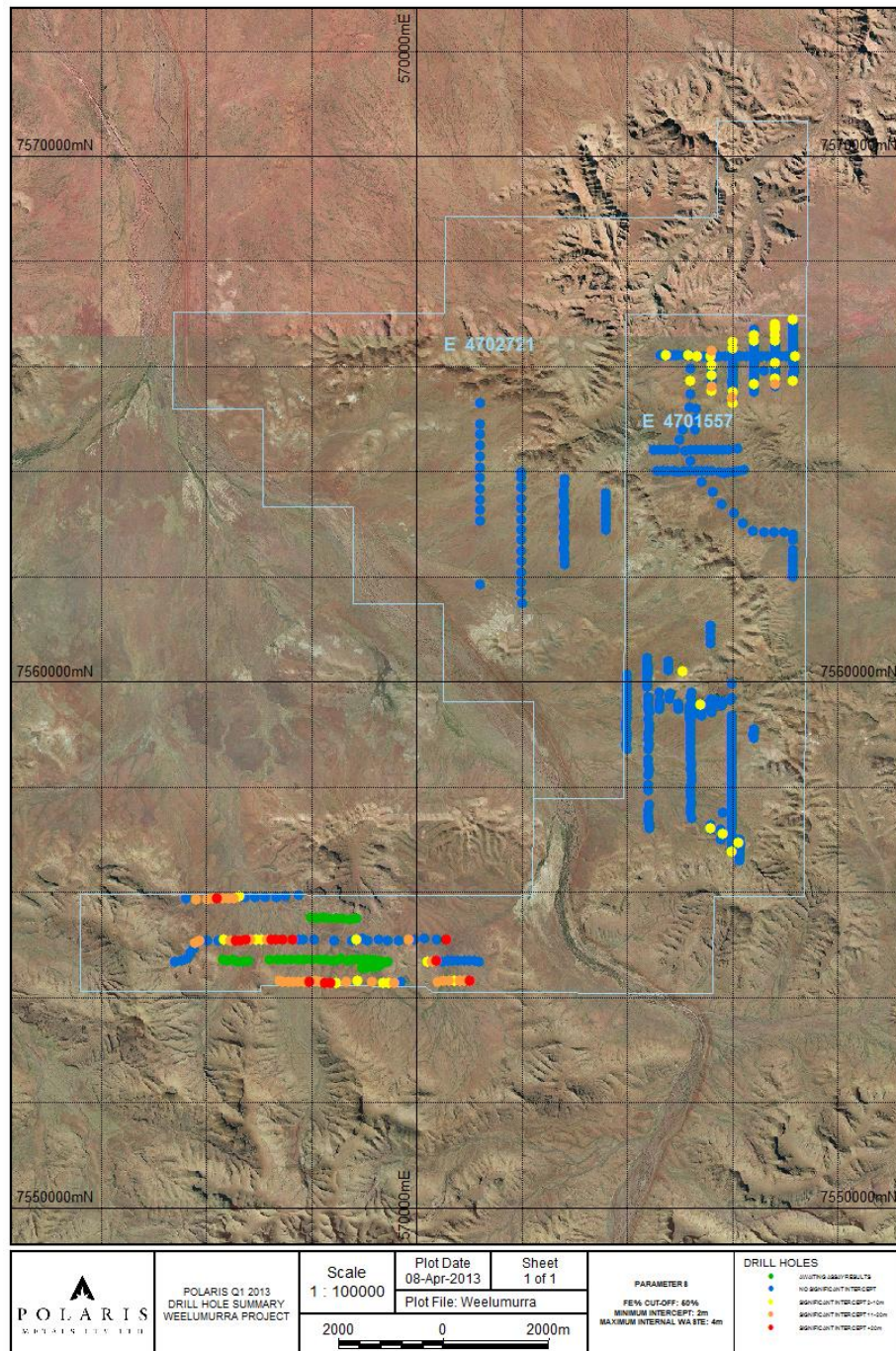


Figure - Drilling at Weelumurra during the March 2013 quarter

PARAMETERS	DRILL HOLES
FE% CUT-OFF: 50%	● AWAITING ASSAY RESULTS
MINIMUM INTERCEPT: 2m	● NO SIGNIFICANT INTERCEPT
MAXIMUM INTERNAL WASTE: 4m	● SIGNIFICANT INTERCEPT 2-10m
	● SIGNIFICANT INTERCEPT 11-20m
	● SIGNIFICANT INTERCEPT +20m

Figure – Legend for Caliwinga and Weelumurra figures

Tenements

TENEMENT	DATE	COMMENTS	PROJECT
Polaris			
New Applications			
E16/451-I	15/01/2013		Yilgarn I.O. Stage 1
E16/452-I	15/01/2013		Yilgarn I.O. Stage 1
E08/2460-I	5/02/2013	Application subject to ballot procedure	Mt Wall
E47/2834-I	5/02/2013	Application subject to ballot procedure	Mt Wall
E47/2835-I	5/02/2013	Application subject to ballot procedure	Farquhar
E47/2836-I	5/02/2013	Application subject to ballot procedure	Farquhar
E47/2837-I	5/02/2013	Application subject to ballot procedure	Farquhar
E47/2838-I	5/02/2013	Application subject to ballot procedure	Farquhar
E47/2839-I	5/02/2013	Application subject to ballot procedure	Farquhar
E47/2892-I	12/02/2013	Application subject to ballot procedure	Farquhar East
E47/2893-I	12/02/2013	Application subject to ballot procedure	Farquhar East
E47/2894-I	12/02/2013	Application subject to ballot procedure	Caliwinga
E47/2895-I	12/02/2013	Application subject to ballot procedure	Caliwinga
E47/2896-I	12/02/2013	Application subject to ballot procedure	Caliwinga
P77/4208-I	6/03/2013		Yilgarn Iron Ore
Relinquished Tenure			
P29/1924-I	24/01/2013	No further interest	Perrinvale-Polaris
P29/1925-I	24/01/2013	No further interest	Perrinvale-Polaris
M45/1202	25/01/2013	Reevaluated and repegged	Poondano
M45/1203	25/01/2013	Reevaluated and repegged	Poondano
M45/1204	25/01/2013	Reevaluated and repegged	Poondano
M45/1205	25/01/2013	Reevaluated and repegged	Poondano
M45/1200	12/02/2013	Reevaluated and repegged	Poondano
M45/1201	12/02/2013	Reevaluated and repegged	Poondano
E77/1129-I	25/02/2013	No further interest	Yilgarn Iron Ore

TENEMENT	DATE	COMMENTS	PROJECT
Polaris			
Granted Tenure			
L47/555	22/03/2013		Phil's Creek
L47/569	22/03/2013		Phil's Creek
L47/626	22/03/2013		Phil's Creek
L47/627	22/03/2013		Phil's Creek
L47/643	22/03/2013		Phil's Creek
New Applications			
E45/4144	8/01/2013		Quartz Hill
E45/4147	11/01/2013		Quartz Hill
Relinquished Tenure			
L47/649	10/01/2013	Not required	Phil's Creek
L47/650	10/01/2013	Not required	Phil's Creek
L47/651	10/01/2013	Not required	Phil's Creek
L47/652	10/01/2013	Not required	Phil's Creek
E45/4145	12/02/2013	Ground unavailable	Quartz Hill
E47/1237-I	15/02/2013	No further interest	Phil's Creek
E47/2002-I	15/02/2013	No further interest	Phil's Creek

Competent Person's Statement

The information in this report that relates to Exploration Results is based on information compiled by Sean Gregory who is a full time employee of MRL. Mr Gregory is a Member of The Australasian Institute of Mining and Metallurgy and 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 Competent Persons as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. The Competent Person consents to the inclusion in the report of the matters based on their information in the form and context in which it appears.