

ANNOUNCEMENT TO THE AUSTRALIAN SECURITIES EXCHANGE: 5<sup>th</sup>NOVEMBER 2010

# INITIAL DRILLING AT CAPACETE DELIVERS ENCOURAGING RESULTS. DRILL RIG MOBILISED TO TEST LARGE BLOCK 5 TARGET AT MATA DA CORDA PHOSPHATE PROJECT, BRAZIL

## Highlights:

- Fourteen wide spaced first pass holes tested the Capacete Target over a 2.3 kilometre strikelength. Assays from first seven holes have now been received.
- Drilling at Capacete has intersected narrow high grade intervals of up to 11.15%  $P_2O_5$  within wider zones of low grade phosphate mineralisation.
- The grade of the narrow intervals is comparable to operating phosphate mines in close proximity to the project.
- These early results highlight the area's potential to host a near surface phosphate deposit in close proximity to infrastructure, primary agriculture customers and fertilizer blenders.
- Surface rock chip sampling at Block 5 has returned grades of up to 13.01% and 11.84%  $P_2O_5$  within a large 8 kilometre long target with encouraging host rock thicknesses of up to 100 metres.
- The drilling rig has mobilised to commence drilling at Block 5 to build on the encouraging first pass results from the Capacete Target.

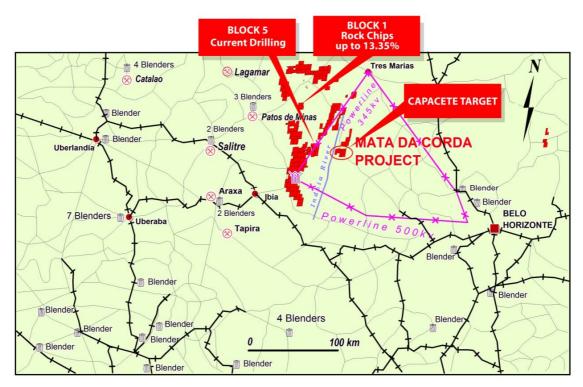


Figure 1: Location of the Mata da Corda Project relative to operating phosphate mines, major fertilizer bulk blenders, infrastructure and location of drilling at Block 5.

The Board of Aguia Resources Limited ("**Aguia**" or "**Company**") is pleased to announce the first drilling results from its regional land holding at the Mata da Corda Phosphate Project ("**MCPP**") located in the state of Minas Gerais, Brazil (Figure 1).

The first results from the Capacete Target highlight the prospective nature of the MCCP to host a near surface phosphate deposit. The results validate the large aggressive ground acquisition program completed in June 2010 of approximately 300,000 hectares.

"The first drilling results from our large landholding are encouraging in that they confirm that phosphate mineralisation occurs in the target host rocks and it is now our intention to continue drill testing the various prospects where we have discovered outcropping surface phosphate mineralisation," said Mr Simon Taylor, Managing Director of Aguia Resources. "We are encouraged by the fact that drilling intersected soft weathered material of low grade with higher grades reported from fresher samples. At Block 5 where we will commence first pass drilling we have identified much thicker packages of up to 100 metres containing favourable host rock with the potential for higher grades and widths."

A total of 7 holes are now planned for Block 5 testing thicker packages of host rocks with the potential for wider intervals of higher grade.

Further updates will be provided as drilling results become available.

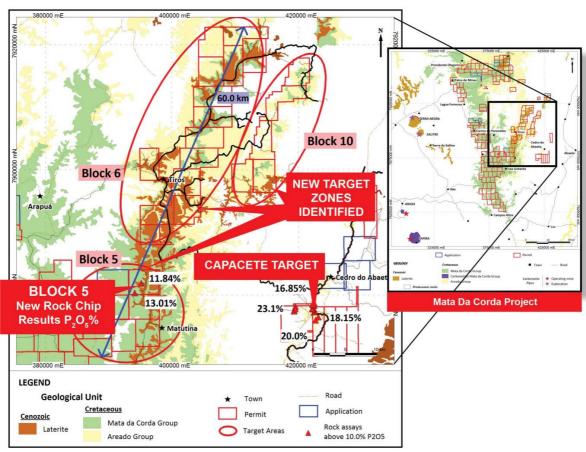


Figure 2: Showing extensive target zones at Block 5, 6 and 10.

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## **Capacete Drilling Results**

Fourteen wide spaced holes tested the Capacete Target over a 2.3 kilometre strikelength. Assays from the first seven holes have now been received.

Narrow high grade intersections up to 11.15% P<sub>2</sub>O<sub>5</sub> were intersected within broader zones of low grade phosphate mineralisation up to 20 metres wide.

Highlights are summarised in Table 1 and the full results are presented at the end of this report.

Interpretation of rock texture and mineralogy together with whole rock assays indicate that weathering plays a critical role in redistributing phosphate along the profile. The upper portion includes an iron-rich saprolite which is depleted in phosphate, whereas the lower portion of the weathering profile includes the least altered and higher grade epiclastic rocks.

Best results are shown in Table 1 below with a full summary at the end of this report.

Hole_Number	Metres @ % P2O5						
MCD-10-001	19.60m @ 2.61% P2O5 (from surface), Including:						
	10.05m @ 3.31% P2O5 (from 1.70m), Including:						
	2.15m @ 5.84% P2O5 (from 7.35m) (Capacete) and						
	<b>0.86m @ 11.15% P2O5</b> (from 33.73m) (Areado)						
MCD-10-002							
	<b>0.78m @ 10.85% P2O5</b> (from 29.72m) (Areado)						
MCD-10-003	6.60m @ 3.23% P2O5 (from 7.45m) (Capacete)						
MCD-10-004	10.60m @ 3.33% P2O5 (from 6.50m), Including:						
	<b>2.10m @ 6.08% P2O5</b> (from 9.90m) (Capacete)						
MCD-10-005	4.25m @ 4.64% P2O5 (from 6.45m), Including:						
	<b>1.95m @ 7.13% P2O5</b> (from 8.75m) (Capacete)						
MCD-10-006 11.00m @ 2.34% P2O5 (from 0.0m) (Capacete)							
MCD-10-007	<b>15.00m @ 4.57% P2O5</b> (from 37.0m), Including:						
	<b>4.0m @ 6.06% P2O5</b> (from 48.0m)						

Table 1: Summary of significant drilling results

These results are encouraging with respect to comparable grades of operating phosphate mines within Brazil, some of which are located within 100 kilometres of the MCCP Project.

As can been seen in the Table 2 below the selected deposits have an average grade of  $9.0\%~P_2O_5$  and are profitable due to their close proximity to markets and favourable mineralogy enabling beneficiation to a saleable product.

C	Duniant	Chahara		Resource	Reserve	Aver. Grade	P2O5	Production	
Company	Project	Status	Туре	(Mt)	(Mt)	P <sub>2</sub> O <sub>5</sub> (%)	Concentr.	Capacity (ktpy)	
				(A)	(B)		(C)	(C)	
Fosfértil / Vale	Tapira	Operating	Carbonatite		1,309.2	7.69	35.5	2,030	
Copebrás / Anglo	Ouvidor	Operating	Carbonatite		256.7	7.63	38.0	1,300	
Vale	Araxá	Operating	Carbonatite		88.7	11.12	35 / 33	910	
Fosfértil / Vale	Catalao	Operating	Carbonatite		223.6	8.96	36 / 34	1,209	
Vale	Cajati	Operating	Carbonatite		85.1	5.45	36.0	528	
Fosfértil / Vale	Patos	Operating	Metasediments		304.6	12.36	24.0	150	
Fosfértil / Vale	Salitre	Implementation	Carbonatite	852.0		10.74	-	1,600 forecast	
Vale	Anitápolis	Implementation	Carbonatite	54.0		9.01	-	300 forecast	
MBAC	Itafós	Operating	Metasediments		44.0	5.39	28 / 30	50	<(1
									_
Yara	Siliinjarvi - Finland	Operating	Carbonatite	470.0		4.5	36	850	<(1

## AVERAGE BRAZILIAN P2O5 GRADE DEPOSITS >

9.0%

#### Sources:

- (A) > Resource and Grades: Salitre DNPM 1975 / Anitápolis: , DOU 1980 (DOU = Official Diary of Brazil)
- (B) > Reserve and Grades: DNPM 2006 Mineral Annuary
- (C) > Concentratio/ Production: ANDA Annuary 2008
- (D) > Major phosphate rock producer by Bete, Inc for Cargill Fertilizer, Inc 1998. Values updated to 2010 including exchange variation and inflation o
- (E) > Siliinjarvi data: Phosphate Production Cost Profile Report EuroChem Trading. Resource data: Phosphate deposits
- of the world A.J.G Notholt
- (F) > BMO MBAC Report Figures April 2010 and Website Info Sep/2010

Table 2: Brazilian Phosphate deposits

# Drilling – Block 5

The Company has retained the services of the diamond drilling rig that has now mobilised to Block 5.

Seven wide spaced holes for a total of 700 metres are planned to test the large target zone that extends for over 8 kilometres north-south and up to 6 kilometres in an east-west direction as shown in Figure 3. This includes surface rock chip sampling that has returned grades of up to 13.01% and 11.84%  $P_2O_5$ .

The drilling will test for thicker packages of potentially fresher host rocks. As noted earlier, interpretation of rock texture and mineralogy indicates weathering plays a role with the lower portion of the weathering profile containing the least altered and higher grade phosphate mineralisation within the epiclastic host rocks.

The Company will update the market on drilling progress when results become available.

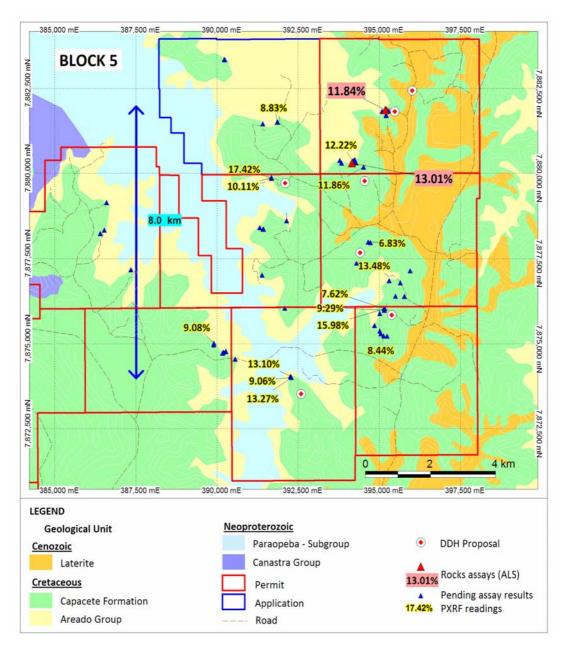


Figure 3: Block 5, Showing the large as yet untested target, proposed drill holes, surface rock chip results from assays and PXRF (portable XRF readings).

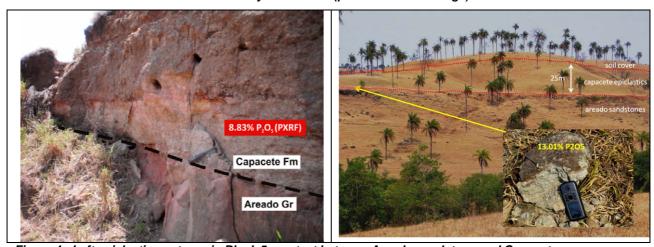


Figure 4: Left epiclastics outcrop in Block 5, contact between Areado sandstone and Capacete conglomerate; Right: Grab sample - returned 13.01% P2O5 assay, with potential thickness shown of 25m.

## About the Mata da Corda Phosphate Project

The MCPP is located within 150km of the three largest phosphate mines in Brazil; Araxá – Vale (290Mt @ 14.88%  $P_2O_5$ ), Tapira – Vale (744Mt @ 8.35%  $P_2O_5$ ) and Catalão – Anglo/Vale (203Mt @ 8.80%  $P_2O_5$ ). These three mines account for 95% of the phosphate rock production in Brazil. Within this existing transportation corridor there are 32 major bulk fertilizer blenders (Figure 1).

The MCPP covers approximately 300,000 hectares and is central to the agricultural and industrialized heartland of the southeast region of Brazil in the state of Minas Gerais (English Translation = General Mining State) some 250km to the west of Belo Horizonte.

Aguia identified the property through a review of historical phosphate occurrences reported by CPRM in the late 1960's and early 1970's. After an initial analysis of these occurrences, the geology and its distribution, Aguia staked the MCPP in August 2008. This triggered a staking rush in the area with Amazon Mining Ltd (late August 2008) and Vale (September 2008) staking to the north, south and west.

The MCPP is well located with excellent logistics. It is close to infrastructure (roads, water, railway and energy), potential primary (agriculture) customers, fertilizer blenders and is on the main transportation route for the expanding agricultural districts within the Cerrado Crop Belt.

## About Aguia

Aguia is focused on the exploration and development of phosphate rock projects in Brazil which as a country imports approximately 50% of its phosphate requirements annually. Aguia is well positioned to capitalize on the growing demand for phosphorous-based fertilisers in the expanding agriculture sector in Brazil and controls a large land position of about 400,000 hectares, located close to existing infrastructure. The Company is committed to its existing projects whilst continuing to pursue other opportunities within the phosphate sector.

The information in this report that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Dr Fernando Tallarico, who is a member of the Association of Professional Geoscientists of Ontario. Dr Tallarico is a full-time employee of Aguia Resources Limited. Dr Tallarico 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 ("JORC Code"). Dr Tallarico consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.

### Summary of Drilling data follows

Hole_ID	UTM_E	UTM_N	Elevation (m)	Azimuth	Dip	Depth (m)
MCD-10-001	422501	7878303	1006	0	90	97.05
MCD-10-002	422528	7878201	1003	0	90	88.60
MCD-10-003	422554	7877998	1005	0	90	87.85
MCD-10-004	422526	7877802	1006	0	90	42.35
MCD-10-005	422311	7877809	999	0	90	86.90
MCD-10-006	422679	7877500	1001	0	90	85.75
MCD-10-007	422693	7877201	1040	0	90	60.80

Table 3: Drill hole locations

MOD-10-001 3101 0.00
MCD-10-001 3102
MCD-10-001 3103
MCD-10-001         3104         2.30         3.04         Capacete Fm         4.96         4.34         8.29         18.8         6.52         0.88           MCD-10-001         3106         3.04         4.00         Capacete Fm         1.49         1.84         6.54         25.9         16.8         1.23           MCD-10-001         3107         4.00         5.00         Capacete Fm         1.49         1.84         6.54         25.9         16.8         1.23           MCD-10-001         3108         5.00         6.00         Capacete Fm         2.21         3.03         6.91         22         15         1.37           MCD-10-001         3109         6.00         7.35         Capacete Fm         2.48         3.52         6.86         21.1         15.25         1.42           MCD-10-001         3110         7.35         8.00         Capacete Fm         5.95         8.23         6.04         19.05         13.45         1.38           MCD-10-001         3112         8.70         9.50         Capacete Fm         7.28         10.15         6.25         17.75         12.5         1.39           MCD-10-001         3113         9.50         10.40         Capacete
MCD-10-001         3106         3.04         4.00         Capacete Fm         1.49         1.84         6.54         25.9         16.8         1.23           MCD-10-001         3107         4.00         5.00         Capacete Fm         1.49         1.96         5.96         28         18.55         1.32           MCD-10-001         3108         5.00         6.00         Capacete Fm         2.21         3.03         6.91         22         15         1.37           MCD-10-001         3110         7.35         8.00         Capacete Fm         2.48         3.52         6.86         21.1         15.25         1.42           MCD-10-001         3111         8.00         8.70         Capacete Fm         4.09         5.81         8.92         14.65         7.64         1.42           MCD-10-001         3112         8.70         9.50         Capacete Fm         7.28         10.15         6.25         17.75         12.5         1.39           MCD-10-001         3113         9.50         10.40         Capacete Fm         2.81         3.97         6.06         23.1         16.45         1.41           MCD-10-001         3114         10.40         11.00         11.73
MCD-10-001         3107         4.00         5.00         Capacete Fm         1.49         1.96         5.96         28         18.55         1.32           MCD-10-001         3108         5.00         6.00         Capacete Fm         2.21         3.03         6.91         22         15         1.37           MCD-10-001         3110         7.35         8.00         Capacete Fm         5.95         8.23         6.04         19.05         13.45         1.38           MCD-10-001         3111         8.00         8.70         Capacete Fm         5.95         8.23         6.04         19.05         13.45         1.38           MCD-10-001         3112         8.70         9.50         Capacete Fm         7.28         10.15         6.25         17.75         12.5         1.39           MCD-10-001         3113         9.50         10.40         Capacete Fm         2.06         4.26         4.08         30.3         23.2         2.07           MCD-10-001         3114         10.40         11.00         Capacete Fm         2.06         4.26         4.08         30.3         23.2         2.07           MCD-10-001         3115         11.00         11.75         12.25
MCD-10-001         3108         5.00         6.00         Capacete Fm         2.21         3.03         6.91         22         15         1.37           MCD-10-001         3109         6.00         7.35         Capacete Fm         2.48         3.52         6.86         21.1         15.25         1.42           MCD-10-001         3110         7.35         8.00         Capacete Fm         4.09         5.81         8.92         14.65         7.64         1.42           MCD-10-001         3112         8.70         9.50         Capacete Fm         4.09         5.81         8.92         14.65         7.64         1.42           MCD-10-001         3113         9.50         10.40         Capacete Fm         2.81         3.97         6.06         23.1         16.45         1.41           MCD-10-001         3113         9.50         10.40         Capacete Fm         2.81         3.97         6.06         23.1         16.45         1.41           MCD-10-001         3113         10.40         11.00         Capacete Fm         2.81         3.97         6.06         23.1         16.91         3.24           MCD-10-001         3112         13.65         Capacete Fm         <
MCD-10-001         3109         6.00         7.35         Capacete Fm         2.48         3.52         6.86         21.1         15.25         1.42           MCD-10-001         3110         7.35         8.00         Capacete Fm         5.95         8.23         6.04         19.05         13.45         1.38           MCD-10-001         3111         8.00         8.70         Capacete Fm         4.09         5.81         8.92         14.65         7.64         1.42           MCD-10-001         3112         8.70         9.50         Capacete Fm         7.28         10.15         6.25         17.75         12.5         1.39           MCD-10-001         3113         9.50         10.40         Capacete Fm         2.81         3.97         6.06         23.1         16.45         1.41           MCD-10-001         3115         11.00         11.75         Capacete Fm         2.06         4.26         4.08         30.3         23.2         2.07           MCD-10-001         3115         11.00         11.75         Capacete Fm         3.11         7.13         4.75         26.2         19.95         2.29           MCD-10-001         3120         12.63         13.65
MCD-10-001         3110         7.35         8.00         Capacete Fm         5.95         8.23         6.04         19.05         13.45         1.38           MCD-10-001         3111         8.00         8.70         Capacete Fm         4.09         5.81         8.92         14.65         7.64         1.42           MCD-10-001         3112         8.70         9.50         Capacete Fm         7.28         10.15         6.25         17.75         12.5         1.39           MCD-10-001         3113         9.50         10.40         Capacete Fm         2.81         3.97         6.06         23.1         16.45         1.41           MCD-10-001         3114         10.40         11.00         Capacete Fm         2.06         4.26         4.08         30.3         23.2         2.07           MCD-10-001         3116         11.75         Capacete Fm         1.64         2.6         9.4         15.1         9.76         1.59           MCD-10-001         3120         12.63         13.65         Capacete Fm         1.62         2.41         9.43         14.25         5.81         1.49           MCD-10-001         3121         13.65         14.85         Capacete Fm
MCD-10-001         3111         8.00         8.70         Capacete Fm         4.09         5.81         8.92         14.65         7.64         1.42           MCD-10-001         3112         8.70         9.50         Capacete Fm         7.28         10.15         6.25         17.75         12.5         1.39           MCD-10-001         3114         10.40         11.00         Capacete Fm         2.06         4.26         4.08         30.3         23.2         2.07           MCD-10-001         3114         10.40         11.00         11.75         Capacete Fm         3.11         7.13         4.75         26.2         19.95         2.29           MCD-10-001         3116         11.75         12.25         Capacete Fm         1.64         2.6         9.4         15.1         9.76         1.59           MCD-10-001         3121         13.65         Capacete Fm         1.85         3.01         8.97         16.4         10.5         1.69         3.24           MCD-10-001         3121         13.65         Capacete Fm         1.60         2.41         9.43         14.25         5.81         1.49           MCD-10-001         3122         14.85         15.85         <
MCD-10-001         3112         8.70         9.50         Capacete Fm         7.28         10.15         6.25         17.75         12.5         1.39           MCD-10-001         3113         9.50         10.40         Capacete Fm         2.81         3.97         6.06         23.1         16.45         1.41           MCD-10-001         3114         10.40         11.00         Capacete Fm         2.06         4.26         4.08         30.3         23.2         2.07           MCD-10-001         3115         11.00         11.75         Capacete Fm         3.11         7.13         4.75         26.2         19.95         2.29           MCD-10-001         3116         11.75         12.25         Capacete Fm         1.64         2.6         9.4         15.1         9.76         1.59           MCD-10-001         3120         12.63         13.65         Capacete Fm         1.62         2.41         9.43         14.25         5.81         1.49           MCD-10-001         3121         13.65         14.85         Capacete Fm         1.60         2.41         9.43         14.25         5.81         1.49           MCD-10-001         3122         14.85         15.85
MCD-10-001         3113         9.50         10.40         Capacete Fm         2.81         3.97         6.06         23.1         16.45         1.41           MCD-10-001         3114         10.40         11.00         Capacete Fm         2.06         4.26         4.08         30.3         23.2         2.07           MCD-10-001         3115         11.00         11.75         Capacete Fm         3.11         7.13         4.75         26.2         19.95         2.29           MCD-10-001         3116         11.75         12.25         Capacete Fm         1.64         2.6         9.4         15.1         9.76         1.59           MCD-10-001         3117         12.25         12.63         Capacete Fm         1.62         2.41         9.43         14.25         5.81         1.49           MCD-10-001         3120         12.63         13.65         Capacete Fm         1.62         2.41         9.43         14.25         5.81         1.49           MCD-10-001         3121         13.65         14.85         Capacete Fm         1.62         2.41         9.43         14.25         5.81         1.49           MCD-10-001         3122         14.85         15.85
MCD-10-001         3114         10.40         11.00         Capacete Fm         2.06         4.26         4.08         30.3         23.2         2.07           MCD-10-001         3115         11.00         11.75         Capacete Fm         3.11         7.13         4.75         26.2         19.95         2.29           MCD-10-001         3116         11.75         12.25         Capacete Fm         1.64         2.6         9.4         15.1         9.76         1.59           MCD-10-001         3117         12.25         12.63         Capacete Fm         1.62         2.41         9.43         14.25         5.81         1.49           MCD-10-001         3120         12.63         13.65         Capacete Fm         1.62         2.41         9.43         14.25         5.81         1.49           MCD-10-001         3121         13.65         14.85         Capacete Fm         1.60         5.55         6.62         21.3         16.9         3.24           MCD-10-001         3122         14.85         15.85         Capacete Fm         1.42         2.27         8.12         15.45         8.18         1.60           MCD-10-001         3124         17.45         18.16
MCD-10-001         3115         11.00         11.75         Capacete Fm         3.11         7.13         4.75         26.2         19.95         2.29           MCD-10-001         3116         11.75         12.25         Capacete Fm         1.64         2.6         9.4         15.1         9.76         1.59           MCD-10-001         3117         12.25         12.63         Capacete Fm         1.85         3.01         8.97         16.4         10.5         1.63           MCD-10-001         3120         12.63         13.65         Capacete Fm         1.62         2.41         9.43         14.25         5.81         1.49           MCD-10-001         3121         13.65         14.85         Capacete Fm         1.60         2.41         9.43         14.25         5.81         1.49           MCD-10-001         3121         13.65         Capacete Fm         1.60         5.56         8.55         17.25         11.8         2.12           MCD-10-001         3122         14.85         15.85         Capacete Fm         1.42         2.27         8.12         15.45         8.18         1.60           MCD-10-001         3124         17.45         18.16         Capacete Fm
MCD-10-001         3116         11.75         12.25         Capacete Fm         1.64         2.6         9.4         15.1         9.76         1.59           MCD-10-001         3117         12.25         12.63         Capacete Fm         1.85         3.01         8.97         16.4         10.5         1.63           MCD-10-001         3120         12.63         13.65         Capacete Fm         1.62         2.41         9.43         14.25         5.81         1.49           MCD-10-001         3121         13.65         14.85         Capacete Fm         1.70         5.51         6.62         21.3         16.9         3.24           MCD-10-001         3122         14.85         15.85         Capacete Fm         2.66         5.65         8.55         17.25         11.8         2.12           MCD-10-001         3123         15.85         17.45         Capacete Fm         1.42         2.27         8.12         15.45         8.18         1.60           MCD-10-001         3124         17.45         18.16         Capacete Fm         1.28         2.16         8.95         11.05         4.96         1.69           MCD-10-001         3126         18.63         19.60
MCD-10-001         3117         12.25         12.63         Capacete Fm         1.85         3.01         8.97         16.4         10.5         1.63           MCD-10-001         3120         12.63         13.65         Capacete Fm         1.62         2.41         9.43         14.25         5.81         1.49           MCD-10-001         3121         13.65         14.85         Capacete Fm         1.70         5.51         6.62         21.3         16.9         3.24           MCD-10-001         3122         14.85         15.85         Capacete Fm         2.66         5.65         8.55         17.25         11.8         2.12           MCD-10-001         3123         15.85         17.45         Capacete Fm         1.42         2.27         8.12         15.45         8.18         1.60           MCD-10-001         3124         17.45         18.16         Capacete Fm         1.30         2.62         9.16         15.75         7.8         2.02           MCD-10-001         3126         18.63         19.60         Capacete Fm         1.52         2.49         7.3         11.5         5.2         1.64           MCD-10-001         3142         34.59         35.40
MCD-10-001         3120         12.63         13.65         Capacete Fm         1.62         2.41         9.43         14.25         5.81         1.49           MCD-10-001         3121         13.65         14.85         Capacete Fm         1.70         5.51         6.62         21.3         16.9         3.24           MCD-10-001         3122         14.85         15.85         Capacete Fm         2.66         5.65         8.55         17.25         11.8         2.12           MCD-10-001         3123         15.85         17.45         Capacete Fm         1.42         2.27         8.12         15.45         8.18         1.60           MCD-10-001         3124         17.45         18.16         Capacete Fm         1.30         2.62         9.16         15.75         7.8         2.02           MCD-10-001         3125         18.16         18.63         Capacete Fm         1.22         2.49         7.3         11.5         5.2         1.64           MCD-10-001         3126         18.63         19.60         Capacete Fm         1.52         2.49         7.3         11.5         5.2         1.64           MCD-10-001         3141         33.73         34.59
MCD-10-001         3121         13.65         14.85         Capacete Fm         1.70         5.51         6.62         21.3         16.9         3.24           MCD-10-001         3122         14.85         15.85         Capacete Fm         2.66         5.65         8.55         17.25         11.8         2.12           MCD-10-001         3123         15.85         17.45         Capacete Fm         1.42         2.27         8.12         15.45         8.18         1.60           MCD-10-001         3124         17.45         18.16         Capacete Fm         1.30         2.62         9.16         15.75         7.8         2.02           MCD-10-001         3125         18.16         18.63         Capacete Fm         1.28         2.16         8.95         11.05         4.96         1.69           MCD-10-001         3126         18.63         19.60         Capacete Fm         1.52         2.49         7.3         11.5         5.2         1.64           MCD-10-001         3142         34.59         35.40         Areado Group         1.68         2.31         4.68         1.24         0.15         1.38           MCD-10-003         3269         7.45         8.20
MCD-10-001         3122         14.85         15.85         Capacete Fm         2.66         5.65         8.55         17.25         11.8         2.12           MCD-10-001         3123         15.85         17.45         Capacete Fm         1.42         2.27         8.12         15.45         8.18         1.60           MCD-10-001         3124         17.45         18.16         Capacete Fm         1.30         2.62         9.16         15.75         7.8         2.02           MCD-10-001         3125         18.16         18.63         Capacete Fm         1.28         2.16         8.95         11.05         4.96         1.69           MCD-10-001         3126         18.63         19.60         Capacete Fm         1.52         2.49         7.3         11.5         5.2         1.64           MCD-10-001         3141         33.73         34.59         Areado Group         11.15         15.45         2.11         1.06         0.15         1.39           MCD-10-001         3142         34.59         35.40         Areado Group         1.68         2.31         4.68         1.24         0.15         1.38           MCD-10-003         3265         7.45         8.20
MCD-10-001         3123         15.85         17.45         Capacete Fm         1.42         2.27         8.12         15.45         8.18         1.60           MCD-10-001         3124         17.45         18.16         Capacete Fm         1.30         2.62         9.16         15.75         7.8         2.02           MCD-10-001         3125         18.16         18.63         Capacete Fm         1.28         2.16         8.95         11.05         4.96         1.69           MCD-10-001         3126         18.63         19.60         Capacete Fm         1.52         2.49         7.3         11.5         5.2         1.64           MCD-10-001         3141         33.73         34.59         Areado Group         11.15         15.45         2.11         1.06         0.15         1.39           MCD-10-001         3142         34.59         35.40         Areado Group         1.68         2.31         4.68         1.24         0.15         1.38           MCD-10-002         3249         29.72         30.50         Areado Group         10.85         14.8         2.07         1.24         0.2         1.36           MCD-10-003         3266         8.20         9.00
MCD-10-001         3124         17.45         18.16         Capacete Fm         1.30         2.62         9.16         15.75         7.8         2.02           MCD-10-001         3125         18.16         18.63         Capacete Fm         1.28         2.16         8.95         11.05         4.96         1.69           MCD-10-001         3126         18.63         19.60         Capacete Fm         1.52         2.49         7.3         11.5         5.2         1.64           MCD-10-001         3141         33.73         34.59         Areado Group         1.68         2.31         4.68         1.24         0.15         1.39           MCD-10-001         3142         34.59         35.40         Areado Group         1.68         2.31         4.68         1.24         0.15         1.38           MCD-10-002         3249         29.72         30.50         Areado Group         10.85         14.8         2.07         1.24         0.2         1.36           MCD-10-003         3265         7.45         8.20         Capacete Fm         3.11         3.88         6.21         25.9         17.1         1.25           MCD-10-003         3266         8.20         9.00         <
MCD-10-001         3125         18.16         18.63         Capacete Fm         1.28         2.16         8.95         11.05         4.96         1.69           MCD-10-001         3126         18.63         19.60         Capacete Fm         1.52         2.49         7.3         11.5         5.2         1.64           MCD-10-001         3141         33.73         34.59         Areado Group         11.15         15.45         2.11         1.06         0.15         1.39           MCD-10-001         3142         34.59         35.40         Areado Group         1.68         2.31         4.68         1.24         0.15         1.38           MCD-10-002         3249         29.72         30.50         Areado Group         10.85         14.8         2.07         1.24         0.2         1.36           MCD-10-003         3265         7.45         8.20         Capacete Fm         3.11         3.88         6.21         25.9         17.1         1.25           MCD-10-003         3266         8.20         9.00         Capacete Fm         1.88         2.2         6.69         23.2         16         1.17           MCD-10-003         3267         9.00         10.10 <td< td=""></td<>
MCD-10-001         3126         18.63         19.60         Capacete Fm         1.52         2.49         7.3         11.5         5.2         1.64           MCD-10-001         3141         33.73         34.59         Areado Group         11.15         15.45         2.11         1.06         0.15         1.39           MCD-10-001         3142         34.59         35.40         Areado Group         1.68         2.31         4.68         1.24         0.15         1.38           MCD-10-002         3249         29.72         30.50         Areado Group         10.85         14.8         2.07         1.24         0.2         1.36           MCD-10-003         3265         7.45         8.20         Capacete Fm         3.11         3.88         6.21         25.9         17.1         1.25           MCD-10-003         3266         8.20         9.00         Capacete Fm         1.88         2.2         6.69         23.2         16         1.17           MCD-10-003         3267         9.00         10.10         Capacete Fm         1.96         2.61         8.49         14.05         6.42         1.33           MCD-10-003         3268         10.10         11.00 <td< td=""></td<>
MCD-10-001         3141         33.73         34.59         Areado Group         11.15         15.45         2.11         1.06         0.15         1.39           MCD-10-001         3142         34.59         35.40         Areado Group         1.68         2.31         4.68         1.24         0.15         1.38           MCD-10-002         3249         29.72         30.50         Areado Group         10.85         14.8         2.07         1.24         0.2         1.36           MCD-10-003         3265         7.45         8.20         Capacete Fm         3.11         3.88         6.21         25.9         17.1         1.25           MCD-10-003         3266         8.20         9.00         Capacete Fm         1.88         2.2         6.69         23.2         16         1.17           MCD-10-003         3267         9.00         10.10         Capacete Fm         1.96         2.61         8.49         14.05         6.42         1.33           MCD-10-003         3268         10.10         11.00         Capacete Fm         2.08         2.52         5.99         26.1         17.45         1.21           MCD-10-003         3270         12.17         13.00
MCD-10-001         3142         34.59         35.40         Areado Group         1.68         2.31         4.68         1.24         0.15         1.38           MCD-10-002         3249         29.72         30.50         Areado Group         10.85         14.8         2.07         1.24         0.2         1.36           MCD-10-003         3265         7.45         8.20         Capacete Fm         3.11         3.88         6.21         25.9         17.1         1.25           MCD-10-003         3266         8.20         9.00         Capacete Fm         1.88         2.2         6.69         23.2         16         1.17           MCD-10-003         3267         9.00         10.10         Capacete Fm         1.96         2.61         8.49         14.05         6.42         1.33           MCD-10-003         3268         10.10         11.00         Capacete Fm         2.08         2.52         5.99         26.1         17.45         1.21           MCD-10-003         3269         11.00         12.17         Capacete Fm         5.18         7.02         5.67         21.6         16.1         1.36           MCD-10-003         3270         12.17         13.00 <td< td=""></td<>
MCD-10-002         3249         29.72         30.50         Areado Group         10.85         14.8         2.07         1.24         0.2         1.36           MCD-10-003         3265         7.45         8.20         Capacete Fm         3.11         3.88         6.21         25.9         17.1         1.25           MCD-10-003         3266         8.20         9.00         Capacete Fm         1.88         2.2         6.69         23.2         16         1.17           MCD-10-003         3267         9.00         10.10         Capacete Fm         1.96         2.61         8.49         14.05         6.42         1.33           MCD-10-003         3268         10.10         11.00         Capacete Fm         2.08         2.52         5.99         26.1         17.45         1.21           MCD-10-003         3269         11.00         12.17         Capacete Fm         5.18         7.02         5.67         21.6         16.1         1.36           MCD-10-003         3270         12.17         13.00         Capacete Fm         3.09         4.28         8.18         12.35         4.98         1.39           MCD-10-003         3271         13.00         14.05 <td< td=""></td<>
MCD-10-002         3249         29.72         30.50         Areado Group         10.85         14.8         2.07         1.24         0.2         1.36           MCD-10-003         3265         7.45         8.20         Capacete Fm         3.11         3.88         6.21         25.9         17.1         1.25           MCD-10-003         3266         8.20         9.00         Capacete Fm         1.88         2.2         6.69         23.2         16         1.17           MCD-10-003         3267         9.00         10.10         Capacete Fm         1.96         2.61         8.49         14.05         6.42         1.33           MCD-10-003         3268         10.10         11.00         Capacete Fm         2.08         2.52         5.99         26.1         17.45         1.21           MCD-10-003         3269         11.00         12.17         Capacete Fm         5.18         7.02         5.67         21.6         16.1         1.36           MCD-10-003         3270         12.17         13.00         Capacete Fm         3.09         4.28         8.18         12.35         4.98         1.39           MCD-10-003         3271         13.00         14.05 <td< td=""></td<>
MCD-10-003         3266         8.20         9.00         Capacete Fm         1.88         2.2         6.69         23.2         16         1.17           MCD-10-003         3267         9.00         10.10         Capacete Fm         1.96         2.61         8.49         14.05         6.42         1.33           MCD-10-003         3268         10.10         11.00         Capacete Fm         2.08         2.52         5.99         26.1         17.45         1.21           MCD-10-003         3269         11.00         12.17         Capacete Fm         5.18         7.02         5.67         21.6         16.1         1.36           MCD-10-003         3270         12.17         13.00         Capacete Fm         3.09         4.28         8.18         12.35         4.98         1.39           MCD-10-003         3271         13.00         14.05         Capacete Fm         4.57         6.41         6.58         16         8.29         1.40           MCD-10-003         3272         14.05         14.65         Capacete Fm         1.52         2.21         8.2         14.35         6.3         1.45           MCD-10-004         3309         6.50         7.50         Cap
MCD-10-003         3266         8.20         9.00         Capacete Fm         1.88         2.2         6.69         23.2         16         1.17           MCD-10-003         3267         9.00         10.10         Capacete Fm         1.96         2.61         8.49         14.05         6.42         1.33           MCD-10-003         3268         10.10         11.00         Capacete Fm         2.08         2.52         5.99         26.1         17.45         1.21           MCD-10-003         3269         11.00         12.17         Capacete Fm         5.18         7.02         5.67         21.6         16.1         1.36           MCD-10-003         3270         12.17         13.00         Capacete Fm         3.09         4.28         8.18         12.35         4.98         1.39           MCD-10-003         3271         13.00         14.05         Capacete Fm         4.57         6.41         6.58         16         8.29         1.40           MCD-10-003         3272         14.05         14.65         Capacete Fm         1.52         2.21         8.2         14.35         6.3         1.45           MCD-10-004         3309         6.50         7.50         Cap
MCD-10-003         3267         9.00         10.10         Capacete Fm         1.96         2.61         8.49         14.05         6.42         1.33           MCD-10-003         3268         10.10         11.00         Capacete Fm         2.08         2.52         5.99         26.1         17.45         1.21           MCD-10-003         3269         11.00         12.17         Capacete Fm         5.18         7.02         5.67         21.6         16.1         1.36           MCD-10-003         3270         12.17         13.00         Capacete Fm         3.09         4.28         8.18         12.35         4.98         1.39           MCD-10-003         3271         13.00         14.05         Capacete Fm         4.57         6.41         6.58         16         8.29         1.40           MCD-10-003         3272         14.05         14.65         Capacete Fm         1.52         2.21         8.2         14.35         6.3         1.45           MCD-10-003         3273         14.65         15.55         Capacete Fm         2.65         3.72         6.9         10.7         5.37         1.40           MCD-10-004         3309         6.50         7.50 <td< td=""></td<>
MCD-10-003         3268         10.10         11.00         Capacete Fm         2.08         2.52         5.99         26.1         17.45         1.21           MCD-10-003         3269         11.00         12.17         Capacete Fm         5.18         7.02         5.67         21.6         16.1         1.36           MCD-10-003         3270         12.17         13.00         Capacete Fm         3.09         4.28         8.18         12.35         4.98         1.39           MCD-10-003         3271         13.00         14.05         Capacete Fm         4.57         6.41         6.58         16         8.29         1.40           MCD-10-003         3272         14.05         14.65         Capacete Fm         1.52         2.21         8.2         14.35         6.3         1.45           MCD-10-003         3273         14.65         15.55         Capacete Fm         2.65         3.72         6.9         10.7         5.37         1.40           MCD-10-004         3309         6.50         7.50         Capacete Fm         3.52         3.83         7.56         19.8         11.3         1.09           MCD-10-004         3310         7.50         8.10         C
MCD-10-003         3269         11.00         12.17         Capacete Fm         5.18         7.02         5.67         21.6         16.1         1.36           MCD-10-003         3270         12.17         13.00         Capacete Fm         3.09         4.28         8.18         12.35         4.98         1.39           MCD-10-003         3271         13.00         14.05         Capacete Fm         4.57         6.41         6.58         16         8.29         1.40           MCD-10-003         3272         14.05         14.65         Capacete Fm         1.52         2.21         8.2         14.35         6.3         1.45           MCD-10-003         3273         14.65         15.55         Capacete Fm         2.65         3.72         6.9         10.7         5.37         1.40           MCD-10-004         3309         6.50         7.50         Capacete Fm         3.52         3.83         7.56         19.8         11.3         1.09           MCD-10-004         3310         7.50         8.10         Capacete Fm         2.16         1.94         6.76         24.6         16.45         0.90
MCD-10-003         3270         12.17         13.00         Capacete Fm         3.09         4.28         8.18         12.35         4.98         1.39           MCD-10-003         3271         13.00         14.05         Capacete Fm         4.57         6.41         6.58         16         8.29         1.40           MCD-10-003         3272         14.05         14.65         Capacete Fm         1.52         2.21         8.2         14.35         6.3         1.45           MCD-10-003         3273         14.65         15.55         Capacete Fm         2.65         3.72         6.9         10.7         5.37         1.40           MCD-10-004         3309         6.50         7.50         Capacete Fm         3.52         3.83         7.56         19.8         11.3         1.09           MCD-10-004         3310         7.50         8.10         Capacete Fm         2.16         1.94         6.76         24.6         16.45         0.90
MCD-10-003         3271         13.00         14.05         Capacete Fm         4.57         6.41         6.58         16         8.29         1.40           MCD-10-003         3272         14.05         14.65         Capacete Fm         1.52         2.21         8.2         14.35         6.3         1.45           MCD-10-003         3273         14.65         15.55         Capacete Fm         2.65         3.72         6.9         10.7         5.37         1.40           MCD-10-004         3309         6.50         7.50         Capacete Fm         3.52         3.83         7.56         19.8         11.3         1.09           MCD-10-004         3310         7.50         8.10         Capacete Fm         2.16         1.94         6.76         24.6         16.45         0.90
MCD-10-003         3272         14.05         14.65         Capacete Fm         1.52         2.21         8.2         14.35         6.3         1.45           MCD-10-003         3273         14.65         15.55         Capacete Fm         2.65         3.72         6.9         10.7         5.37         1.40           MCD-10-004         3309         6.50         7.50         Capacete Fm         3.52         3.83         7.56         19.8         11.3         1.09           MCD-10-004         3310         7.50         8.10         Capacete Fm         2.16         1.94         6.76         24.6         16.45         0.90
MCD-10-003         3273         14.65         15.55         Capacete Fm         2.65         3.72         6.9         10.7         5.37         1.40           MCD-10-004         3309         6.50         7.50         Capacete Fm         3.52         3.83         7.56         19.8         11.3         1.09           MCD-10-004         3310         7.50         8.10         Capacete Fm         2.16         1.94         6.76         24.6         16.45         0.90
MCD-10-004         3309         6.50         7.50         Capacete Fm         3.52         3.83         7.56         19.8         11.3         1.09           MCD-10-004         3310         7.50         8.10         Capacete Fm         2.16         1.94         6.76         24.6         16.45         0.90
MCD-10-004 3310 7.50 8.10 Capacete Fm 2.16 1.94 6.76 24.6 16.45 0.90
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Med 10 004 3311 0.10 0.03 Capacete III 2.00 2.07 7.74 13.3 10.0 1.00
MCD-10-004 3312 8.85 9.90 Capacete Fm 2.96 3.52 7.67 20 11.5 1.19
MCD-10-004 3313 9.90 10.40 Capacete Fm <b>6.01</b> 7.67 2.06 30.1 19.7 1.28
MCD-10-004 3314 10.40 11.40 Capacete Fm <b>5.24</b> 6.85 6.89 20.2 12.3 1.31
MCD-10-004 3315 11.40 12.00 Capacete Fm <b>7.55</b> 9.77 3.44 21.6 24.1 1.29
MCD-10-004 3316 12.00 13.10 Capacete Fm 2.65 3.33 7.4 18.8 11.5 1.26
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MCD-10-004 3320 14.00 14.75 Capacete Fm 2.42 3.06 6.51 19.85 11.9 1.26
MCD-10-004 3321 14.75 15.30 Capacete Fm 1.91 2.11 6.51 23.9 14.85 1.10
MCD-10-004 3322 15.30 16.10 Capacete Fm 2.54 3.34 6.45 14.7 7.99 1.31
MCD-10-004 3323 16.10 17.10 Capacete Fm 3.27 4.42 7.24 10.6 5.74 1.35
MCD-10-005 3358 6.45 7.95 Capacete Fm 3.06 3.36 7.97 22.60 13.95 1.10
MCD-10-005 3359 7.95 8.75 Capacete Fm 1.56 2.24 7.19 12.10 5.54 1.44
MCD-10-005 3361 8.75 9.70 Capacete Fm <b>9.09</b> 12.9 5.61 18.20 10.15 1.42
MCD-10-005 3362 9.70 10.70 Capacete Fm <b>5.26</b> 7.27 6.87 13.00 6.11 1.38
MCD-10-006 3448 0.00 0.55 Capacete Fm 2.72 0.4 9.29 26.70 12.10 0.15

Hole ID	Sample	From (m)	To(m)	<b>Geological Unity</b>	P <sub>2</sub> O <sub>5</sub> %	CaO%	Al <sub>2</sub> O <sub>3</sub> %	Fe₂O₃%	TiO₂%	CaO%/P2O5%
MCD-10-006	3449	0.55	1.55	Capacete Fm	2.27	1.28	9.73	21.30	11.35	0.56
MCD-10-006	3450	1.55	2.55	Capacete Fm	2.39	1.88	7.84	23.70	13.30	0.79
MCD-10-006	3451	2.55	3.20	Capacete Fm	2.33	2.21	7.23	22.50	13.80	0.95
MCD-10-006	3453	3.20	3.92	Capacete Fm	2.21	2.26	5.84	27.00	17.20	1.02
MCD-10-006	3454	3.92	4.68	Capacete Fm	1.66	1.48	6.37	32.20	17.85	0.89
MCD-10-006	3455	4.68	5.43	Capacete Fm	4.39	5.78	8.12	16.55	9.49	1.32
MCD-10-006	3456	5.43	6.22	Capacete Fm	2.00	2.54	8.57	16.95	9.43	1.27
MCD-10-006	3457	6.22	7.20	Capacete Fm	1.73	2.15	8.20	18.05	10.45	1.24
MCD-10-006	3458	7.20	8.05	Capacete Fm	1.66	2.08	8.53	17.10	8.86	1.25
MCD-10-006	3459	8.05	8.70	Capacete Fm	1.80	2.05	8.94	21.10	12.40	1.14
MCD-10-006	3460	8.70	9.45	Capacete Fm	3.99	5.36	7.12	12.35	5.74	1.34
MCD-10-006	3461	9.45	10.05	Capacete Fm	1.94	2.67	7.74	12.00	4.82	1.38
MCD-10-006	3462	10.05	11.00	Capacete Fm	2.06	2.86	7.84	11.05	4.61	1.39
MCD-10-007	1632	37.00	38.50	Capacete Fm	3.08	3.65	8.24	15.45	7.54	1.19
MCD-10-007	1633	38.50	39.85	Capacete Fm	4.77	6.21	8.00	14.85	7.57	1.30
MCD-10-007	1634	39.85	41.00	Capacete Fm	3.39	4.41	6.58	21.90	15.50	1.30
MCD-10-007	1635	41.00	41.65	Capacete Fm	4.10	5.34	5.38	22.30	16.15	1.30
MCD-10-007	1636	41.65	42.75	Capacete Fm	5.69	7.58	3.99	23.10	15.95	1.33
MCD-10-007	1637	42.75	44.00	Capacete Fm	5.65	7.58	4.99	17.00	14.70	1.34
MCD-10-007	1638	44.00	45.00	Capacete Fm	4.70	6.47	5.22	23.50	14.70	1.38
MCD-10-007	1639	45.00	46.30	Capacete Fm	3.47	5.04	6.07	20.50	14.00	1.45
MCD-10-007	1640	46.30	47.05	Capacete Fm	3.08	4.54	7.88	13.75	5.98	1.47
MCD-10-007	1641	47.05	48.00	Capacete Fm	1.98	3.09	5.62	23.60	16.25	1.56
MCD-10-007	1644	48.00	49.00	Capacete Fm	5.82	8.33	6.18	19.75	14.15	1.43
MCD-10-007	1645	49.00	50.00	Capacete Fm	3.42	5.02	6.59	19.35	12.80	1.47
MCD-10-007	1646	50.00	50.70	Capacete Fm	5.89	8.30	5.06	16.55	11.05	1.41
MCD-10-007	1647	50.70	51.30	Capacete Fm	11.90	16.40	5.37	14.25	8.36	1.38
MCD-10-007	1648	51.30	52.00	Capacete Fm	5.33	7.43	6.42	12.05	5.39	1.39

Table 4: Detailed Summary of Significant Results from Drilling