



# Cluff Resources Pacific NL

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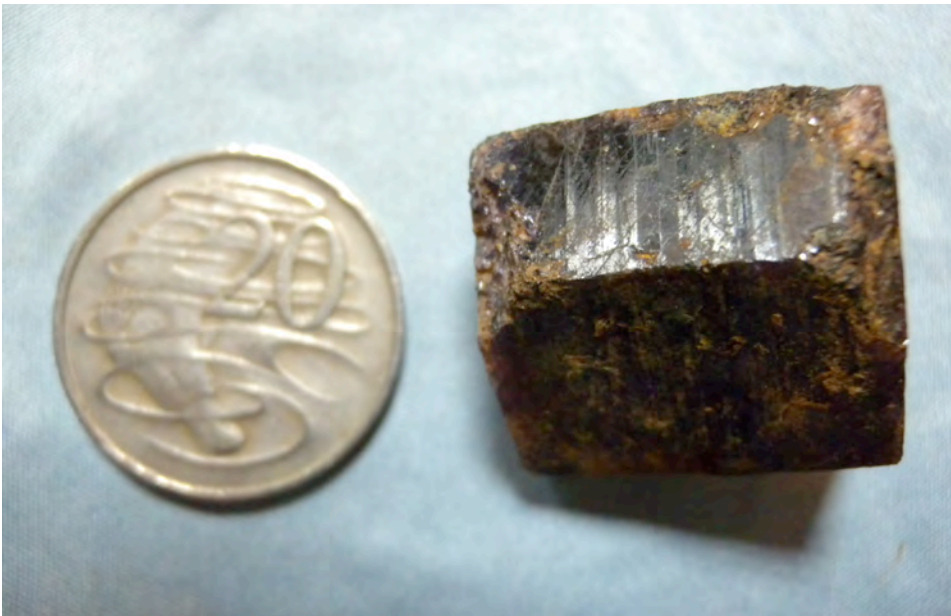
## ASX and MEDIA RELEASE

Wednesday 23<sup>rd</sup> February 2011

## CLUFF CONFIRMS 224 CARAT RUBY CRYSTAL

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Cluff Resources Pacific NL (Cluff) announces today that an independent gemmological consultant has confirmed that one of the gemstones collected by Cluff Chairman Mr Peter Ashcroft on the recent Madagascar trip confirms that the stone is a large crystal of corundum (variety ruby) and weighs 224.06 carats (44.81 grams). The stone was excavated from **production licence 35571** in which Cluff will have a 35% interest after the conclusion of the current expenditure commitment. A copy of the gemstone authentication report is attached to this release.



Two other gemstone authentication reports are also attached to this release. One confirms an 89.66 carat (17.93 grams) corundum crystal (variety sapphire) of a purple hue, and the other confirms a purplish-blue sapphire crystal still contained in its host rock matrix, which features garnet crystals and is comprised of limestone and mica. Cluff has arranged to have a sample of this matrix material assayed to determine whether it may contain any other minerals of value.

50% of the world's known sapphire reserves are contained in Madagascar but production has been falling for the past two years. This new discovery presents as a major opportunity for the joint venture to secure existing infrastructure and local labour expertise. Until further assessment it is not possible to predict or advise with certainty the gem quality of the stones.

Cluff is proceeding after the wet season to a program to expose the sapphire bearing rock and to map its extent on the licence. The stone shown in this release was excavated by hand from a shaft up to 50 metres in depth.

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### **The region surrounding the Cluff Sapphire Permit in Madagascar**

The permit is held by Varun Madagascar on behalf of the new joint venture operating company Varun Cluff International SARL of which 35% is held by Cluff.

Stages 1 and 2 of the joint venture agreement have a budget of US\$3,400,000 of which Cluff must fund 75%. Thereafter it is intended that future funding will be by way of non recourse loans to the venture. This venture is part of the Varun Cluff gold joint venture and the same funding obligations extend to both licences.

For further information contact:

Scott Enderby on Phone (02) 9247 2277 or Peter Ashcroft on (02) 9233 2153 or 0418 275 375

Email: [Cluff@bigpond.com](mailto:Cluff@bigpond.com)

Yours faithfully,

**Scott Enderby,  
Company Secretary / Executive Director**



Endorsed By



**GEMSTONE AUTHENTICATION  
REPORT**

LABORATORY REF No: AA 47750/2

Date: 22/02/11

**LARGE CRYSTAL**

Description: A large purplish red opaque hexagonal prismatic crystal.

Dimensions: Height: 27.45mm  
Diameters: 22.97 x 25.05 x 24.55mm

Weight: 224.06 ct

Gemmological Specific gravity: 3.97

Features: Hexagonal prismatic habit with distinct triangular growth feathers on the basal pinacoids. Evidence of rhombohedral polysynthetic twinning noted on the prism faces. An indistinct chromium spectrum and a dull red fluorescence were noted.

Conclusion: Corundum – variety Ruby

B.Sechos B.Sc. FGAA  
Gemmologist & NCIIV Member N208



Note: The above were at the time of examination, the characteristics of the stone described herein, based upon careful examination with specialized instruments. Whilst all care has been taken in making the assessment, no liability is accepted to the client or any other party in respect of the opinion expressed in this certificate.

➤ | PHOTOGRAPHIC RECORD



The photograph above shows the gemstone magnified at the time of examination and may be used to re-identify the stone should the need arise in the future. Due to varying behaviour of some gemstones under different lighting conditions, variations in colour may occur in the photograph when compared to the stone.



**GEMSTONE AUTHENTICATION  
REPORT**

LABORATORY REF No: AA 47750/1

Date: 22/02/11

**LARGE CRYSTAL**

Description: A reddish purple opaque hexagonal prismatic crystal.

Dimensions: Height: 16.25mm  
Diameters: 15.85 x 19.75 x 20.10mm

Weight: 89.66ct

Gemmological Specific gravity: 3.97

Features: Hexagonal prismatic habit with triangular growth structure and stepping on the basal pinacoids and basal parting were noted. Micaceous matrix remnants are present on one prism face.

Conclusion: Corundum – variety purple Sapphire  
Origin: Metamorphic

B Seehos B.Sc. FGAA  
Gemmologist & NGJV Member N208



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GEMSTONE AUTHENTICATION  
REPORT

LABORATORY REF No: AA 47750/3

Date: 22/02/11

ROUGH SPECIMEN

Description: A blue hexagonal prismatic crystal in matrix with garnet mica and limestone.

Dimensions: 85 x 55 x 25cm

Weight: 153.2g

Gemmological Features: The blue crystal exhibits hexagonal prismatic habit with triangular growth markings on the basal pinacoids. Evidence of rhombohedral lamellar twin planes present on the exposed prism faces. A slight colour change is noted under different illumination. Garnet crystals confirmed spectroscopically

Conclusion: Purplish blue Sapphire in matrix with garnet

Origin: Metamorphic

B.Seethos B.Sc. FGAA  
Gemmologist & NCVJ Member N208



Note: The above were at the time of examination, the characteristics of the stone described herein, based upon careful examination with specialized instruments. Whilst all care has been taken in making the assessment, no liability is accepted to the client or any other party in respect of the opinion expressed in this certificate.

PHOTOGRAPHIC RECORD



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