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ASX Limited  
 Company Announcements Office

27th April 2012

## Diamond Core Drilling Commences at the High Grade Gold Suguma Prospect

Frontier Resources is pleased to announce that Ok Tedi Mining Ltd has commenced drilling the first of two x 250m long holes at the high-grade gold Suguma Prospect at Joint Venture Project EL 1595 - Bulago (figure 1). See table 1 for Frontier's historic weighted average gold and silver outcrop assay highlights.

Reconnaissance channel chip outcrop sampling in late 2009 demonstrated very high grades of gold in two discrete horizons in outcrop within the Central Creek Zone, plus at other localities (figure 2). The 'Upper Zone' returned 27 metres grading 66.8 g/t gold + 25 g/t silver (including 12 metres grading 138 g/t gold + 49 g/t silver), its 'width' is open to the north, the final 3 metre channel sample graded 161 g/t gold + 47 g/t silver and its strike extent appears to be >160 metres to the east.

The 'Lower Zone' is located 50m further south and it returned 18 metres grading 40.3 g/t gold. The composite channel samples were collected approximately north-south (up the creek).

Peak assay grades from the Suguma rock sampling included: 3 metres grading 303 g/t gold, 323.0 g/t silver (float), 3m of 8.89% zinc, 2m of 3.18 % lead and 2m of 1.01% copper. Other samples returned values down to the analytical detection limits.

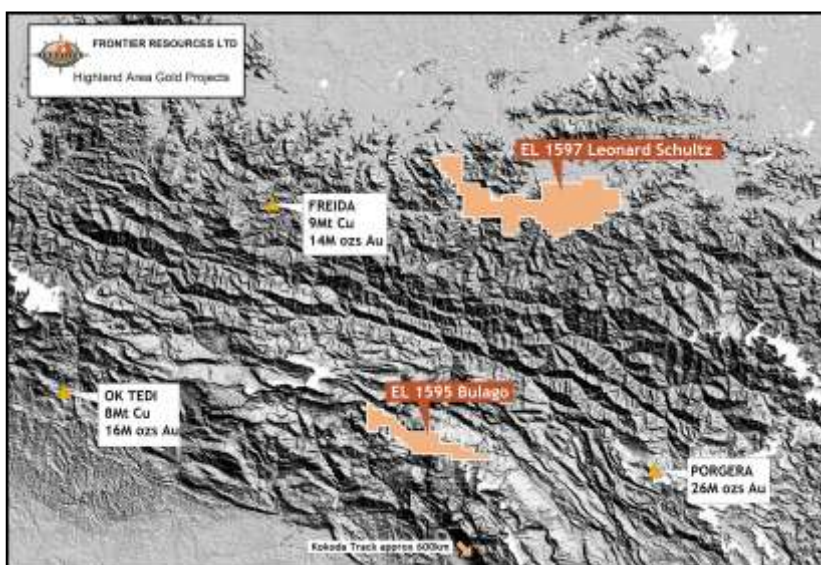
The continuous chip outcrop samples were collected where possible by their exposure and orientation and do not necessarily represent true widths of mineralisation.

Figure 1 shows the locations of the gold assay highlights at Suguma and additional information is contained in ASX releases dated 2/9/2008, 11/9/2009, 23/11/2009, 15/1/2010, 1/3/2010, 17/3/2010, 11/1/2011, 28/2/2011, 27/1/2012 and 26/3/2012.

For additional information relating to Frontier Resources, the Bulago Project or the OTML Joint Venture, please visit the Company's website or feel free to contact me.

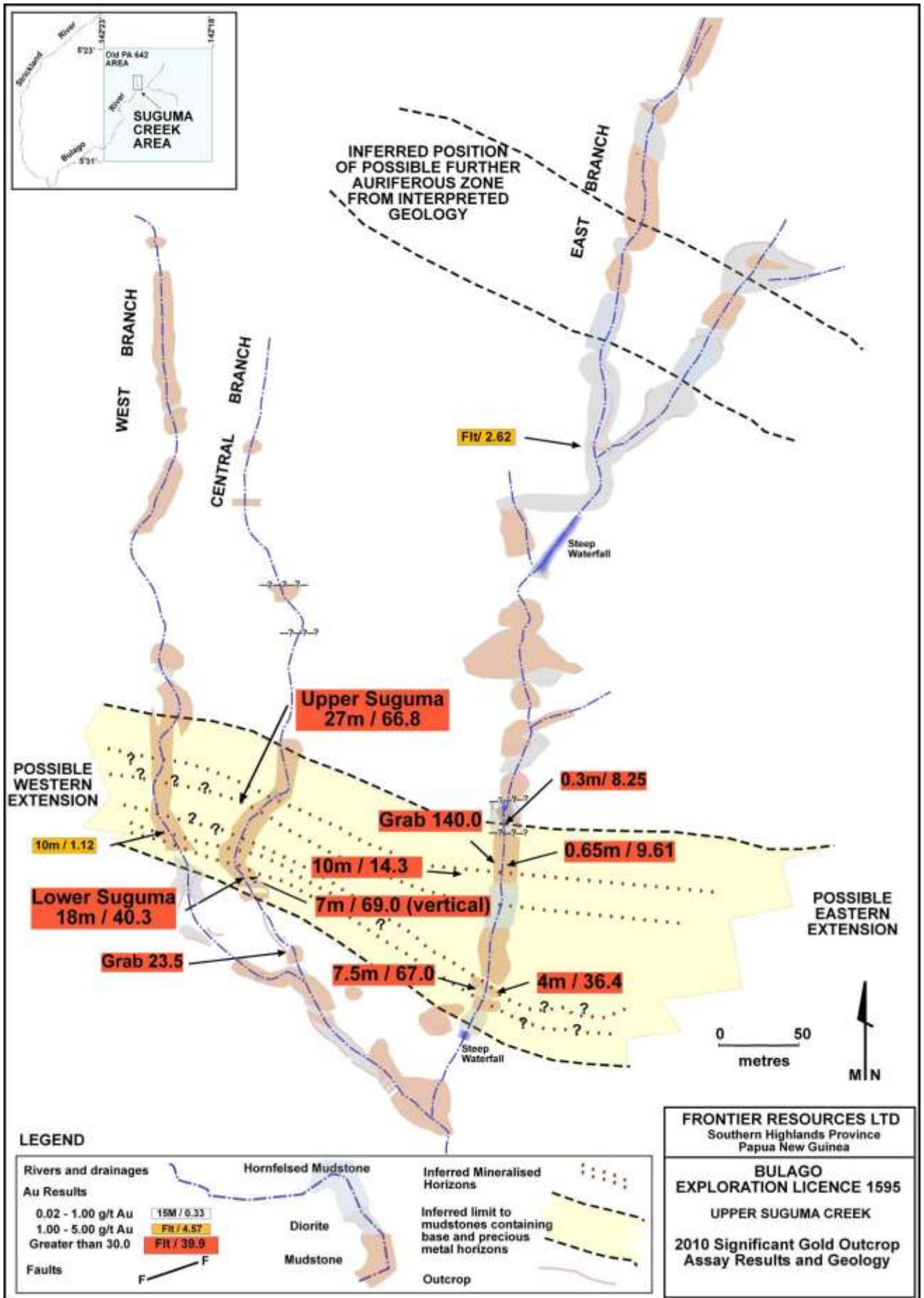
**FRONTIER RESOURCES LTD**

P.A. McNeil, M.Sc.  
 CHAIRMAN / MANAGING DIRECTOR



**Table 1. Suguma Prospect Rock Chip Channel, Grab and Float Assay Highlights**

Sample Length	Gold (g/t)	Silver (g/t)
27.0m	67.8	25
incl. 12.0m	138.0	49
18.0m	40.3	32
incl. 12.0m	79.1	31
7.5m	67.0	42
incl. 4.5m	92.7	52
9.0m	24.0	45
incl. 3.0m	69.0	97
4.0m	135.6	105
4.0m	36.4	35
6.0m	21.1	20
10.0m	14.3	25
incl. 2.0m	48.3	61



The information in this report that relates to Exploration Results and Mineral Resources is based on information compiled by, or compiled under the supervision of Peter A. McNeil - Member of the Aust. Inst. of Geoscientists. Peter McNeil is the Managing Director of Frontier Resources, who consults to the Company. Peter McNeil has sufficient experience which is relevant to the type of mineralisation and type of deposit under consideration to qualify as Competent Person as defined in the 2004 Edition of the Australasian Code of Reporting Exploration Results, Mineral Resources and Ore Resources. Peter McNeil consents to the inclusion in the report of the matters based on the information in the form and context in which it appears.