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ASX Limited
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Announcement

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Ten Zones of High Grade Gold Demonstrated in Outcrop Channel Samples (including 4m of 135.6 g/t gold, 9m of 64.0 g/t Gold and 16m of 36.5 g/t Gold) Suguma Prospect, Bulago Project, Papua New Guinea

Frontier Resources Ltd is very pleased to announce the first assay results from the Bulago exploration program, EL1595, conducted in late 2009.

Approximately 343 rock, 164 trench channel and 1,600 soil samples were collected during the program. Weighted average assay highlights from approximately three quarters of the rock samples are tabulated below. Samples were taken following a traditional grid pattern and may not represent true widths of mineralisation. Plans showing the spatial relationships of the samples and the remaining rock assays will be released when possible.

Peak assay grades from the Suguma rock sampling include: 2m of 238.0 g/t gold, 323.0 g/t silver (float), 10.9% zinc (grab), 2m of 3.18 % lead and 2m of 1.01% copper.

The Bulalo /AuK-1 Prospect is a separate large, 'low' grade gold porphyry that was extensively hand trenched by Frontier. Assay results will be released without delay when available.

Gold assays from the Bulago/AuK-1 have been received for all the soil samples and are very encouraging. Approximately half of the soil samples however, are still awaiting silver and base metal assays. Results will be released when they become available.

For additional information relating to the Bulago Project or Frontier Resources Ltd, please see the ASX releases dated 2/9/2008, 11/9/2009 and 23/11/2009, 15/1/2010, visit our website at www.frontierresources.com.au or feel free contact me.

FRONTIER RESOURCES LTD

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

Suguma Prospect Rock Chip Channel, Grab and Float Assay Results					
Sample Length	Gold (g/t)	Silver (g/t)	Zinc (%)	Lead (%)	Copper (%)
4.0m	135.6	105	3.49	2.68	0.63
16.0m	36.4	35	0.94	0.93	0.26
7.5m	67.0	42	2.27	1.52	0.28
incl. 4.5m	92.7	52	2.90	1.93	0.37
9.0m	24.0	45	1.30	0.23	0.08
incl. 3.0m	69.0	97	1.46	0.61	0.10
15.0m	13.1	12	0.43	0.04	0.02
incl. 9.0m	64.0	27	0.94	0.11	0.04
6.0m	21.1	20	1.25	0.53	0.12
10.0m	14.3	25	1.36	0.54	0.15
incl. 2.0m	48.3	61	2.35	1.97	0.51
3.0m	45.5	12	0.34	0.22	0.01
0.65m	9.61	15	1.26	0.54	0.09
0.3m	8.25	<5	1.12	0.13	0.01
Outcrop Grab	140.0	101	2.97	2.77	0.45
Outcrop Grab	23.5	11	0.08	0.12	0.04
Outcrop Grab	10.1	151	10.90	0.12	0.14
Rock Float	16.7	323	0.78	0.45	0.15

The information in this report that relates to Exploration Results 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. Peter McNeil consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.