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ASX Limited  
Company Announcements Office

3rd July 2012

## Frontier's Initial Sudest High-Grade Gold Exploration Program Completed

Frontier Resources Ltd is pleased to announce that field crews have completed a 2.5 month 'maiden' exploration program on EL 1594 in Milne Bay, eastern Papua New Guinea, consisting of 2 grid based soil sampling programs (covering a total of about 5 sq km) and hand trenching at 2 prospects.

- It is anticipated that the 2,825 assay results will provide first class vectors to mineralisation and define excellent future trenching and drilling targets.
- 1,474 grid based soil samples were collected from the 3.2km x 1.0 km Adelaide – Cornucopia soil grid and 1,200 soil samples were collected from the 2.0km x ~1.2km Feiori soil grid.
- 114 trench samples were collected from new and re-excavated historic hand trenches at the Adelaide Prospect, plus 1 creek outcrop grab sample and 36 trench samples were collected from the Cornucopia Prospect.
- The Sudest Exploration Licence is located in the World Class Misima Mine Gold Corridor and the island has never been drilled, even though alluvial gold was first discovered in PNG here in 1888 and 2 small high-grade gold hard rock mines have operated.
- The Adelaide Mine workings are located along strike of high grade gold in trenches to 2m of 104.5 g/t, where Frontier collected a grab outcrop rock sample of 256 g/t gold + 19 g/t silver.
- Gold in drainage anomalies were previously documented over a 45 kilometre strike length along the western 2/3 of the island.
- Frontier are aggressively pursuing the attractive exploration targets demonstrated by the high grade gold in trenches/float rocks, abundant alluvial gold in drainages plus variably altered intrusives with compositions commonly associated with mineralised porphyry systems.



For additional information relating to the Sudest Project, please refer to the ASX announcement dated 16/4/2012 and visit the Company's website at [www.frontierresources.com.au](http://www.frontierresources.com.au) or feel free to contact me.

### FRONTIER RESOURCES LTD

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

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.