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CONTACTS
PO Box 52
West Perth
WA 6872 Australia

ABN 96 095 684 389 ASX: FNT **PHONE** +61 (08) 9295 0388 **FAX** +61 (08) 9295 3480 EMAIL
info@frontierresources.com.au
WEBSITE
www.frontierresources.com.au

High Grade Trench Assays at Sudest to 2m of 39.85 g/t Gold

Frontier Resources Ltd is pleased to announce high grade gold trenching results and an exploration update for the 100% owned EL 1594 - Sudest, located in the Misima Mine Gold Corridor in Milne Bay Province, eastern Papua New Guinea (Figure 1).

The 'maiden' exploration program on Sudest consisted of 2 grid based soil sampling programs over a total area of about 5 sq km, with limited hand trenching at 2 prospects.

The soil assays will provide information regarding the strike length of the Adelaide and Cornucopia gold mineralised vein systems.

The 2,825 soil and trench samples are being analysed and results will provide vectors to mineralisation and define future trenching and drilling targets.

Assays are expected to be returned and collated in approximately 3 weeks.

Assays have been returned for 24 x 1m long, initial trench channel samples from the Adelaide Prospect and 8 x 1m long samples from the Cornucopia Prospect.

Table 1.

Three historic hand cut trenches were deepened at Adelaide and an additional trench was cut over a 12m strike length to confirm the continuity, width and tenor of the higher grade section of the E-W trending gold mineralised zone.

A previous explorer sampled locally along strike of this vein returning 2m of 104 g/t gold and Frontier noted it contained fine grained traces of visible gold within vugs.

Best Frontier results from east to west in this sector included true widths across the strike of the vein of 2m of 21.71 g/t gold, 2m of 39.85 g/t gold, 2m of 22.34 g/t gold and 2m of 2.74 g/t gold. The peak assay grade was 62.8 g/t gold. Refer to Table 1 for weighted assay averages and Table 2 for all assay results.

Seven additional historic trenches were resampled over a 45m total strike length (including the above) with results such as 1m of 0.46 g/t gold. Refer to Figure 2 for the location and results of the historic trenching.

Initi	Initial Sudest Trench Weighted Gold Assay Results										
Adelaide Prospect											
Trench No	Intercept (m)		Gold Grade g/t	Peak Assay g/t							
AT10A		2m	22.34	62.80							
	Incl.	1m	36.98								
АТ9А		2m	39.85	56.90							
	Incl.	1m	49.27								
АТ9А		1m	3.25	3.57							
AT11A		2m	2.23								
AT11C		1m	1.01	1.22							
AT8C		2m	21.71	41.90							
	Incl.	1m	37.13								
АТ7А		1m	0.46	0.60							
АТ6В		1m	1.01	1.01							
	Cornucopia Prospect										
CT1A	Incl.	6m 1m	3.72 11.40	11.40							

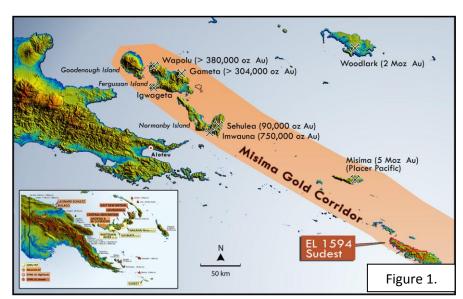
This higher grade zone of mineralisation is located about 400m along strike to the west of the historic Adelaide mine.

The close spaced trenches showed that the mineralisation has a relatively consistent width and grade, but is mildly disrupted by dextral faulting.

The 8 Cornucopia trench samples returned a maximum of 1m grading 11.4 g/t gold The associated 6m interval had a weighted assay average of 3.72 g/t gold.

This zone of gold mineralisation is located about 300m NW of the historic Cornucopia mine and could represent a repetition of it.

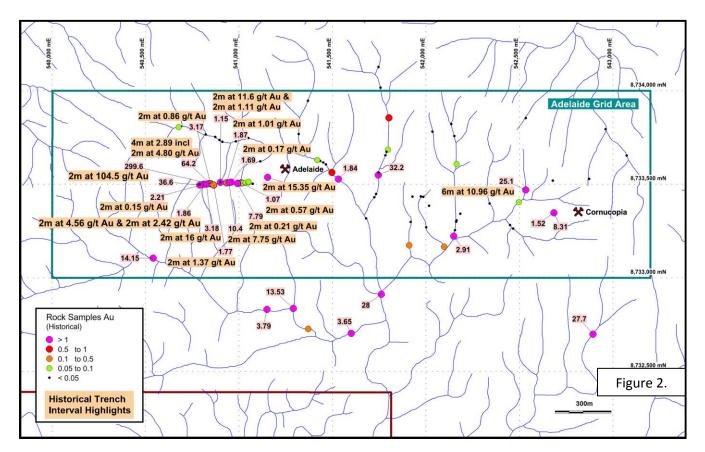
- Frontier has previously demonstrated grab rock assays up to 256 g/t gold with 19 g/t silver.
- → Gold in drainage anomalies have been documented over a 45 kilometre strike length along the western 2/3 of the island, all covered by the EL.
- Frontier are pursuing the attractive high grade gold exploration targets demonstrated in trenches/float rocks, the abundant alluvial gold in drainages plus variably altered



Sudest initial trench assays Ta								
Sample Number	Trench Number	Length (m)	Au1	Au2	Au3	Au4	Au Average	
124001	AT10A	1m	27.20	24.80	62.80	33.10	36.98	
124002		1m	6.51	6.92		9.67	7.70	
124003		1m	0.03	0.02			0.02	
124004		1m	0.00				0.00	
124005		1m	0.00				0.00	
124006	AT9A	1m	0.06	0.05			0.05	
124007		1m	54.20	56.90	36.70		49.27	
124008		1m	32.50	36.10		22.70	30.43	
124009	AT9A	1m	0.01	0.03			0.02	
124010		1m	2.92	3.57			3.25	
124011	AT11A	2m	2.00	2.46			2.23	
124012	AT11B	1m	0.45	0.62	0.45	0.21	0.43	
124013		1m	0.13	0.09	0.04	0.09	0.09	
124014	AT11C	1m	0.96	0.84	1.22		1.01	
124015		1m	0.00				0.00	
124016		1m	0.28				0.28	
124017	AT012B	1m	0.24	0.18			0.21	
124018	AT8C	1m	7.24	7.01	4.61		6.29	
124019		1m	32.80	36.70		41.90	37.13	
124020	AT7A	1m	0.48	0.60	0.31		0.46	
124021		1m	0.19	0.16			0.17	
124022	AT6B	1m	0.12				0.12	
124023		1m	1.01				1.01	
125001	CT1A	1m	0.00	0.01	0.00		0.00	
125002		1m	4.11	4.66	8.09		5.62	
125003		1m	0.48	0.42 0.22	0.35	0.42	0.42 0.31	
125004 125005		1m 1m	0.29 2.70	0.22 2.74		0.42 2.01	2.48	
125005		1m	2.00	2.11	1.85	2.49	2.11	
125007		1m	11.40				11.40	
125008		1m	0.03				0.03	

intrusives with compositions commonly associated with mineralised porphyry systems.

Refer to the ASX release dated 16th April and 3rd of May 2012 for details relating to the Sudest Gold Project. For additional information relating to Frontier Resources, please visit the Company's website at www.frontierresources.com.au or feel free to contact me.



FRONTIER RESOURCES LTD

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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.