

ADDRESS Office J, Level 2, 1139 Hay St. West Perth, WA, 6005, Australia PHONE +61 (08) 9295 0388 ABN 96 095 684 389 EMAIL pmcneil@frontierresources.com.au WEBSITE www.frontierresources.com.au

ASX: FNT

ASX Limited Market Announcements Platform

18<sup>th</sup> April 2016

## DRILLING TO TARGET THE EASTERN STRIKE EXTENSIONS OF THE VERY HIGH-GRADE GOLD UPPER + LOWER ZONES OF THE SWIT KIA PROSPECT

Frontier Resources Ltd is very pleased to announce that the exploration/drilling team mobilised into Bulago yesterday to undertake a three pronged exploration program at the Swit Kia Prospect, EL 1595, Bulago, Papua New Guinea (PNG) (Figure 1). The exploration will capitalise on the increased US dollar gold price and leveraged Australian dollar to PNG Kina.

 A strategic diamond core drilling program will commence on Thursday on the eastern strike extensions of the Upper Zone - Swit Kia Prospect (subsequent to the movement of the Company's onsite CSD500 drill rig to Pad 1).

The initial target to be drilled is a 2.0m wide interval that graded 195.0 g/t gold (77-degree south dip) in jackhammer trench sampling (refer to Announcement 29<sup>th</sup> January 2016 – Technical Report) and then at the Lower Zone (approximately 50m stratigraphically lower) with a 3.0m



wide zone that graded 45.2 g/t gold (50-degree south dip). The very high-grade zones are located in intrusives proximal to the host siltstone contact and will therefore need to be tested from different drill pads.

The very high-grade nature of the gold requires that we obtain the best areal coverage of the mineralisation, given the difficult topographic constraints. The drill holes will all be relatively shallow, to obtain as many intersections as possible, to determine the orientation of the mineralised zones and their gold grades.

- Possible skarn mineralised areas located to the southwest, south and southeast of Swit Kia will be evaluated for mineralisation prospectivity and possible future drilling.
- Drainages located to the northwest and north of the Swit Kia Prospect will be evaluated by panned concentrate sampling for gold; inexplicably these major drainages have never been properly sampled but what exists has demonstrated very good gold pan concentrate and stream sediment anomalies to the immediate west of Swit Kia Prospect and the soil sample grid.
- Frontier will assess small-scale alluvial gold development opportunities with the Landowners, as currently being advocated by the PNG Mineral Resource Authority.

## FRONTIER RESOURCES LTD

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P.A.McNeil, M.Sc., MAIG Chairman and Managing Director

## Competent Person Statement:

The information in this report that relates to Exploration Results is based on information compiled by Peter A. McNeil - Member of the Aust. Inst. of Geoscientists. Peter McNeil is the Chairman/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 2012 Edition of the Australasian Code of Reporting Exploration Results, Mineral Resources and Ore

Frontier Resources Ltd Exploration Licence Information						
	Licence No.	Date From	Date To	Ownership	Area (sq км)	Lat. Sub Blocks
Bulago River	EL 1595	7/07/2014	6/7/2016	100% Frontier Gold PNG Ltd	100	30
Muller Range	EL 2356	31/12//2015	30/12/2017	100% Frontier Copper PNG Ltd	330	99
Stormont Mine	ML 1/2013	3/11/2013	13/08/2018	5% Nett Profits Interest Frontier - Torque Mining Ltd	0.13	NA
430 SQ KM						SQ KM
NB: The Papua New Guinea Mining Act of 1992 stipulates that ELs are granted for renewable 2 year Terms (subject to Work and Financial Commitments) and the PNG Government maintains the right to purchase up to 30% project equity at "Sunk Cost" if/when a Mining Lease is granted.						

The following information is provided to comply with the JORC Code (2012) requirements for the reporting of exploration trenching results for Exploration Licence 1595 in Papua New Guinea.

JORC CODE 2012					
		Section 1 Sampling Techniques and Data			
Criteria		Explanation	Commentary		
Sampling techniques	0	Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down whole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.	Historic exploration results are quoted. Previous explorers are known and standard industry practice sampling procedures were followed.		
	0	Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.	Unknown		
	0	Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 11m samples from which 3 kg was pulverised to produce a 30g charge for fire assay') In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information.			
Drilling techniques	0	Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).	No drilling undertaken.		
Drill sample recovery	0	Method of recording and assessing core and chip sample recoveries and results assessed	No drilling undertaken.		
	0	Measures taken to maximise sample recovery and ensure representative nature of the samples.	No drilling undertaken.		
	0	Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.	No drilling undertaken.		
Logging	0	Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.	No drilling undertaken.		
	0	Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.	No drilling undertaken.		
	0	The total length and percentage of the relevant intersections logged	No drilling undertaken.		
Sub-sampling techniaues and	0	If core, whether cut or sawn and whether quarter, half or all core taken.	No drilling undertaken.		
sample preparation	0	If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.	No drilling undertaken.		
	0	For all sample types, the nature, quality and appropriateness of the sample preparation technique.	No drilling undertaken.		
	0	Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.	No drilling undertaken.		
	0	Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate /second-half sampling.	No drilling undertaken.		
	0	Whether sample sizes are appropriate to the grain size of the material being sampled	No drilling undertaken.		

Quality of assay data and laboratory tests	0	The nature, quality and appropriateness of the assaying and laborat procedures used and whether the technique is considered partial or total.	tory r	Historic exploration results are quoted. Previous explorers are known and standard industry practice sampling procedures were			
	о	Nature of quality control procedures adopted (e.g. standards, blank duplicates, external laboratory checks) and whether acceptable leve of accuracy (i.e. lack of bias) and precision have been established.	followed.				
	0	For geophysical tools, spectrometers, handheld XRF instruments, et the parameters used in determining the analysis including instrume make and model, reading times, calibrations factors applied and the derivation, etc.	Not applicable				
Verification of sampling and	0	The verification of significant intersections by either independent or alternative company personnel.		Not verified.			
assaying	0	The use of twinned holes.		No drilling reported			
	0	Documentation of primary data, data entry procedures, data		Primary data was collected manually then			
		verification, data storage (physical and electronic) protocols.		loaded into the database.			
	0	Discuss any adjustments to assay data.		Unknown			
Location of data points	0	Accuracy + quality of surveys used to locate drill holes (collar + down- hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.		Not applicable			
	0 0	Specification of the grid system used. Quality and adequacy of topographic control.	Map datum is AGD 066. 40m contours - 1:100,000 plans, 20m -SRTM contours, 10m-DTM contours.				
Data spacing and distribution	0	Data spacing for reporting of Exploration Results.		Refer to previously released plans for details relating to the data spacing of exploration results.			
	0	Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied Not applicable					
	0	Whether sample compositing has been applied.		Unknown			
Orientation of data in relation to geological	on of elation   o   Whether the orientation of sampling achieves unbiased sampling of possible structures to the extent this is known, considering the deposi gical     type.		f osit	Unknown			
structure o lf f		If the relationship between the drilling orientation and the orientati of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported.	No drilling undertaken.				
Sample security	0	The measures taken to ensure sample security		Unknown			
audits or reviews	0	The results of any audits or reviews of sampling techniques and data.		No specific audits or reviews of sampling techniques and data have been undertaken			
	Section 2 Reporting of Exploration Results						
Criteria		Explanation	Com	mentary			
Mineral	0	Type, reference name/number, location and ownership including	Explo	oration Licence (EL) 2356 - Muller Range and (EL)			
tenement and		agreements or material issues with third parties such as joint	1595	– Bulago are located in Papua New Guinea's			
land tenure		ventures, partnerships, overriding royalties, native title interests,	West	Western and Southern Highlands Provinces. ELs are			
status		historical sites, wilderness or national park and environmental	regul	regulated under the Mining Act of 1992.			
		settings.		There no agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and/or environmental issues associated with the EL's.			
			The F of 19 of an lease	The PNG National government under the Mining Act of 1992 currently has the right to acquire up to 30% of any project at the time of granting of a mining lease for the 'sunk cost'.			

The security of the tenure held at the time of reporting along

with any known impediments to obtaining a licence to operate in

Acknowledgment and appraisal of exploration by other parties.

Deposit type, geological setting and style of mineralisation.

A summary of all information material to the understanding of

the exploration results including a tabulation of the following

Elevation or RL (Reduced Level- elevation above sea level in

information for all Material drill holes:

metres) of the drill hole collar Dip and azimuth of the hole

Hole length

Easting and northing of the drill hole collar

Down hole length and interception depth

0

0

0

0

Exploration

parties

Geology

Drill hole

information

done by other

the area.

The tenements have been granted and currently held

Exploration in the region was initiated in the late

1960s as part of a PNG porphyry copper deposit

search. It was explored for gold initially in the mid

Gold intrusive -epithermal related targets, porphyry copper-gold - molybdenum and higher grade gold -

100% by Frontier.

silver-zinc-lead skarns.

No drilling undertaken.

No drilling undertaken.

No drilling undertaken.

No drilling undertaken.

No drilling undertaken. No drilling undertaken.

1980's

	0	If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.	No drilling undertaken.
Data aggregation methods	0	In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.	Tables of results included show data aggregation if applied in trench/channel samples etc. No top cuts have been applied. They are continuous channel samples and so are stated as continuous weighted assay results (length x grade summed for each sample / sum of total length).
		Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail	Is this occurs, it is stated in the text.
	0	The assumptions used for any reporting of metal equivalent values should be clearly stated.	No metal equivalent values are reported.
Relationship between	0	These relationships are particularly important in the reporting of Exploration Results.	Well understood
mineralisation widths &	0	If the geometry of the mineralisation with respect to drill hole	
intercept lengths	0	If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g. 'down hole	
Diagrams	0	Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.	Appropriate maps have been previously completed and released Sections and tabulations of intercepts are included.
Balanced reporting	0	Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.	Comprehensive reporting of Exploration Results has been previously completed and released.
Other substantive exploration data	0	Other exploration data, if meaningful and material should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples - size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances	All meaningful exploration data has been included in this and previous releases.
Further work	0	The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).	Future work is dependent on a capital raising to be undertaken in 2016.
	o	Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	Appropriate plans will be included, as possible in a later release documenting approved future work programs.