## ASX ANNOUNCEMENT

By e-lodgement



09 January 2017

## **Exploration Update** Trench Zone, Cote d'Ivoire

Apollo Consolidated Limited (ASX: AOP, the Company) reports that preliminary testing for cyanide-leachable gold has been carried out on five fresh-rock (un-oxidised) samples collected from the Trench Zone. Trench Zone is part of the larger Antoinette gold prospect on the Company's Boundiali permit in northern Cote d'Ivoire.

Five composite fresh-rock samples (Appendix 1) were collected from intercepts reported from initial reverse circulation (RC) drilling at Trench Zone (see ASX-AOP announcement 30 November 2016), and assessed for Bulk Leach Extractable Gold (BLEG) using a 1kg 'bottle-roll' analytical technique (Table 1). This 'bottle-roll' testing has been used as the preliminary tool for assessing basic leach characteristics of the selected samples, the results of which will be used to scope the next stage of metallurgical study.

Hole ID	From (m)	To (m)	Length (m)	Bottle-roll Sample ID	Assay of composite Au ppm	Bottle-roll residue Au ppm	% BLEG Au Recovery
Lab	analytical	technique	2		FA450	FA450	
BDRC012	90	96	6	Composite 1	7.89	2.10	69%
BDRC014	102	107	5	Composite 2	6.58	1.74	71%
BDRC017	84	92	8	Composite 3	7.65	2.44	62%
BDRC020	68	77	9	Composite 4	2.67	1.18	61%
BDRC028	83	85	2	Composite 5	6.36	1.63	77%

Table 1 Bulk Leach Extractable Gold (BLEG) in bottle-roll tests fresh-rock material Trench Zone

The %BLEG (i.e. leached gold) confirms the presence of some more complex gold in the fresh zone. The Company will now carry out a more systematic Diagnostic Leach on these samples to help identify the gold associations and define a higher recovery process.

The Trench Zone has a well-developed oxide profile 40m-50m in thickness, and the majority of high-grade gold intercepts reported from this prospect are from this oxidised or part-oxidised material. In general, oxidised materials have higher cyanide leachable gold when compared to fresh materials and any leach conditions defined for the fresh material should be applicable for the oxide material. Oxide samples will also be submitted for bottle-roll testing in this next stage of work.

The Company also notes that metallurgical characteristics often change prospect to prospect and additional basic leach work will be carried out through the Antoinette prospect as fresh-rock material becomes available through drilling. A considerable area of the Antoinette gold-in-soil anomaly remains untested and is scheduled for first-pass aircore drilling.

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Prospect	Local Grid N	Hole ID	UTM E*	UTM N*	RL	Azi	Dip	Significant intercepts**	From m	EOH
Trench Zone	7400	BDRC009	813923	1098690	380	315	-60	2m @ 1.03g/t Au	12	112
								1m @ 1.78g/t Au	68	
								3m @ 1.15g/t Au	77	
								3m @ 1.27g/t Au	88	
Trench Zone	7400	BDRC010	813937	1098672	382	315	-60	5m @ 1.83g/t Au	118	140
								2m @ 1.34g/t Au	131	
Trench Zone	7300	BDRC011	813841	1098637	383	315	-60	17m @ 22.52g/t Au	8	50
							incl	4m @ 88.28g/t Au	17	
							incl	1m @ 261.46g/t Au	17	
Trench Zone	7300	BDRC012	813861	1098616	381	315	-60	11m @ 6.69g/t Au	10	111
							incl	2m @ 17.47g/t Au	14	
								10m @ 3.58g/t Au	56	
								6m @ 6.77g/t Au	90	
Trench Zone	7240	BDRC013	813806	1098574	381	315	-60	13m @ 2.74g/t Au	0	114
								9m @ 2.44g/t Au	20	
								10m @ 6.86g/t Au	58	
							incl	2m @ 18.69g/t Au	64	
							mer	1m @ 1.48g/t Au	74	
Trench Zone	7240	BDRC014	813822	1098558	377	315	-60	7m @ 5.65g/t Au	21	130
Trench 2011e	7240	BDRC014	813822	1098558	377	515	incl	1m @ 27.12g/t Au	21	130
							mer		39	
								1m @ 1.31g/t Au		
								5m @ 7.15g/t Au	102	
	74.00		040764	4000504	075	245	incl	1m @ 22.77g/t Au	103	
Trench Zone	7180	BDRC015	813761	1098534	375	315	-60	5m @ 2.17g/t Au	56	144
								2m @ 3.12g/t Au	64	
								7m @ 0.58g/t Au	69	
								5m @ 1.19g/t Au	81	
Trench Zone	7100	BDRC016	813698	1098490	375	315	-60	2m @ 1.99g/t Au	30	100
								6m @ 10.56g/t Au	44	
							incl	2m @ 26.37g/t Au	45	
								3m @ 1.54g/t Au	76	
								2m @ 2.94g/t Au	82	
Trench Zone	7100	BDRC017	813723	1098464	377	315	-60	8m @ 7.35g/t Au	84	150
							incl	2m @ 19.72g/t Au	85	
								10m @ 0.88g/t Au	110	
Trench Zone	7000	BDRC018	813625	1098423	375	315	-60	3m @ 1.42g/t Au	31	102
								2m @ 1.81g/t Au	41	
								2m @ 3.40g/t Au	52	
								7m @ 1.25g/t Au	72	
Trench Zone	6900	BDRC019	813543	1098370	372	135	-60	1m @ 6.21g/t Au	5	60
								9m @ 3.23g/t Au	9	
								5m @ 0.79g/t Au	23	
								2m @ 2.53g/t Au	32	
								1m @ 1.06g/t Au	53	
Trench Zone	6900	BDRC020	813521	1098392	373	135	-60	5m @ 1.13g/t Au	13	126
								1m @ 4.15g/t Au	21	
	1				1			1m @ 1.65g/t Au	24	
	1				1			7m @ 2.45g/t Au	39	
					ł			1m @ 1.57g/t Au	61	
								9m @ 2.44g/t Au	68	
					<u> </u>			1m @ 1.97g/t Au	89	
								-		
Tronch Zone	6000	PDPC031	012405	1000270	200	215	60	1m @ 2.63g/t Au	116	00
Trench Zone	6800	BDRC021	813485	1098278	366	315	-60	4m @ 1.76g/t Au	41	80
Trench Zone	6800	BDRC022	813504	1098259	367	315	-60	1m @ 5.02g/t Au	58	130
					ļ			2m @ 1.13g/t Au	73	
			042.112	4000000	265	24-		1m @ 1.27g/t Au	82	
Trench Zone	6700	BDRC023	813418	1098202	366	315	-60	NSA		120
Trench Zone	7000	BDRC024	813724	1098312	376	315	-60	2m @ 5.25g/t Au		35
Trench Zone	7350	BDRC025	813879	1098666	377	315	-60	4m @ 1.61g/t Au	3	104
	1		1	1	1	I	I	5m @ 2.56g/t Au	23	
								- 0i	-	

Appendix 1 All Trench Zone RC gold intercepts reported 30 November 2016 with fresh-rock intercepts selected for bottle roll leach analysis shown in green.

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Prospect	Local Grid N	Hole ID	UTM E	UTM N	RL	Azi	Dip	Significant intercepts*	From m	EOH
Trench Zone	7300	BDRC026	813878	1098600	376	315	-60	3m @ 1.01g/t Au	12	164
								18m @ 3.10g/t Au	32	
								5m @ 1.43g/t Au	94	
								15m @ 2.84g/t Au	115	
Trench Zone	7240	BDRC027	813792	1098588	379	315	-60	6m @ 0.59g/t Au	0	84
								9m @ 5.29g/t Au	15	
Trench Zone	7180	BDRC028	813777	1098517	380	315	-60	10m @ 2.86g/t Au	1	181
								2m @ 6.34g/t Au	83	
								1m @ 2.30g/t Au	88	
								1m @ 1.09g/t Au	100	
								5m @ 1.10g/t Au	112	
								2m @ 0.58g/t Au	158	
								2m @ 1.28g/t Au	169	

The information in this release that relates to Exploration Results, Minerals Resources or Ore Reserves, as those terms are defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserve", is based on information compiled by Mr. Nick Castleden, who is a director of the Company and a Member of the Australian Institute of Geoscientists. Mr. Castleden has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserve". Mr. Castleden consents to the inclusion of the matters based on his information in the form and context in which it appears.

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## **Section 1 Sampling Techniques and Data** (Criteria in this section apply to all succeeding sections.) recovery Drill sample techniques Drilling techniques Sampling 10 JORC Code explanation Method of recording and assessing core and chip sample recoveries Aspects of the determination of mineralisation that are Material to the Whether a relationship exists between sample recovery and grade Measures taken to maximise sample recovery and ensure and results assessed. Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple In cases where 'industry standard' work has been done this would be Public Report. and the appropriate calibration of any measurement tools or systems Include reference to measures taken to ensure sample representivity Nature and quality of sampling (eg cut channels, random chips, or and whether sample bias may have occurred due to preferential representative nature of the samples. or standard tube, depth of diamond tails, face-sampling bit or other such as where there is coarse gold that has inherent sampling relatively simple (eg 'reverse circulation drilling was used to obtain 1 not be taken as limiting the broad meaning of sampling. sondes, or handheld XRF instruments, etc). These examples should to the minerals under investigation, such as down hole gamma specific specialised industry standard measurement tools appropriate submarine nodules) may warrant disclosure of detailed information. problems. Unusual commodities or mineralisation types (eg for fire assay). In other cases more explanation may be required, m samples from which 3 kg was pulverised to produce a 30 g charge loss/gain of fine/coarse material type, whether core is oriented and if so, by what method, etc). used. <u>Commentary</u> Refer to ASX-AOP announcement November 30 2016 After BV0025 analysis a 50g sample of the residue 'tails' was Samples were compiled from 1.5-2kg 'bulk-residues' stored at the Refer to ASX-AOP announcement November 30 2016 All FA450 assays are reported at a 0.01ppm threshold analysed by 50g Fire Assay (BV code FA450) solution. A sample of the supernatant was then analysed by AAS and announcement November 30 2016) that comprised previously reported gold intercepts (see ASX-AOP Composite samples were compiled from each of the 1m RC samples consistent weight obtained using the techniques above. No material 1m RC sample quality and recovery was good, with dry samples of reported in ppb and a 1ppb threshold. The bottle is then 'rolled' (agitated) for 24h in the pH regulated sample) added sample's weight in g) and calcium hydroxide (20 g per 1 kg of mixed with a 0.1% sodium cyanide solution (Volume mL=1.5 x The 1kg BV0025 BLEG sample is weighed into a plastic bottle and sample collected for Fire Assay (BV code FA450) extractable gold 'BLEG' analysis (BV code BV0025), and a 50g The entire composite was then crushed to 85 % <75 µm, mixed and a Bureau Veritas (BV) laboratory in Abidjan bias is expected in high-recovery samples obtained 1kg representative sample collected for 'bottle-roll' bulk leach

JORC Code, 2012 Edition – Table 1

Quality of assay data laboratory tests	Logging Sub-sampling techniques and sample preparation	10
<ul> <li>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li> <li>For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</li> <li>Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.</li> </ul>	<ul> <li>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.</li> <li>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</li> <li>The total length and percentage of the relevant intersections logged.</li> <li>If core, whether cut or sawn and whether quarter, half or all core taken.</li> <li>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</li> <li>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> <li>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</li> <li>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.</li> <li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li> </ul>	JORC Code explanation
<ul> <li>Composite samples for this analysis were compiled by Bureau Veritas (BV) personnel to the BV facility in Abidjan, from 1.5-2kg 'bulk-residues' stored at the Bureau Veritas (BV) laboratory in Abidjan</li> <li>The entire composite was then crushed to 85 % &lt;75 µm, mixed and a 1kg representative sample collected for bottle-roll 'BLEG' analysis (BV code BV0025), and a 50g sample collected for Fire Assay (BV code FA450)</li> <li>BLEG analysis is a leach analysis that measures cyanide soluble gold in the material samples. It is a partial technique in that some gold may not report to the leach solution, and be retained in the 'tails' residue</li> <li>Lab code FA450 method consists in a 50g charge Fire Assay for gold with AAS finish and is measurement of total gold in the sample</li> <li>Quality control procedures adopted consist of external laboratory checks. The results demonstrated an acceptable level of accuracy and precision and cleanliness of the lab.</li> <li>Reported FA450 assay of the crushed and mixed composite show acceptable accuracy against reported original intercept gold values</li> </ul>	<ul> <li>Refer to ASX-AOP announcement November 30 2016</li> <li>Refer to ASX-AOP announcement November 30 2016</li> </ul>	Commentary

10	JORC Code explanation	Commentary
Verification of	<ul> <li>The verification of significant intersections by either independent or</li> </ul>	<ul> <li>Refer to ASX-AOP announcement November 30 2016</li> </ul>
sampling and	alternative company personnel.	
assaying	The use of twinned holes.	
	<ul> <li>Documentation of primary data, data entry procedures, data</li> </ul>	
	<ul> <li>verification, data storage (physical and electronic) protocols.</li> <li>Discuss any adjustment to assay data.</li> </ul>	
Location of	<ul> <li>Accuracy and quality of surveys used to locate drill holes (collar and</li> </ul>	<ul> <li>Refer to ASX-AOP announcement November 30 2016</li> </ul>
data points	down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.	
	<ul> <li>Specification of the grid system used.</li> </ul>	
	<ul> <li>Quality and adequacy of topographic control.</li> </ul>	
Data spacing	<ul> <li>Data spacing for reporting of Exploration Results.</li> </ul>	<ul> <li>Refer to ASX-AOP announcement November 30 2016</li> </ul>
and	<ul> <li>Whether the data spacing and distribution is sufficient to establish the</li> </ul>	
distribution	degree of geological and grade continuity appropriate for the Mineral	
	Resource and Ore Reserve estimation procedure(s) and	
	classifications applied.	
	<ul> <li>Whether sample compositing has been applied.</li> </ul>	
Orientation of	<ul> <li>Whether the orientation of sampling achieves unbiased sampling of</li> </ul>	<ul> <li>Refer to ASX-AOP announcement November 30 2016</li> </ul>
data in	possible structures and the extent to which this is known, considering	
relation to	the deposit type.	
geological	<ul> <li>If the relationship between the drilling orientation and the orientation</li> </ul>	
structure	of key mineralised structures is considered to have introduced a	
)		
Sample security	• The measures taken to ensure sample security.	<ul> <li>Composite samples for this analysis were compiled by Bureau Veritas (BV) personnel to the BV facility in Abidjan, from 1.5-2kg 'bulk-</li> </ul>
		residues' stored at the Bureau Veritas (BV) laboratory in Abidjan
Audits or	• The results of any audits or reviews of sampling techniques and data.	<ul> <li>No external audit or review completed</li> </ul>
reviews		
Section 2 R	Section 2 Reporting of Exploration Results	
(Criteria listed in	(Criteria listed in the preceding section also apply to this section.)	
Criteria	JORC Code explanation	Commentary

Criteria	JORC Code explanation	me
• Typ	Type, reference name/number, location and ownership including	<ul> <li>Boundiali is a granted 270km<sup>2</sup> exploration permit located in central</li> </ul>
tenement and	agreements or material issues with third parties such as joint	north west Cote d'Ivoire.

Criteria	JORC Code explanation	Commentary
land tenure status	<ul> <li>ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.</li> <li>The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</li> </ul>	<ul> <li>It was granted to Aspire Nord SA, a wholly-owned Ivoirian subsidiary of Apollo.</li> <li>The licence was granted 29<sup>th</sup> October 2014 for 4 years, and can be renewed for two additional periods.</li> </ul>
Exploration done by other parties	• Acknowledgment and appraisal of exploration by other parties.	<ul> <li>None documented or known at this time.</li> <li>Overgrown and collapsed ancient pits have been identified in the general area of reported results. It is presumed these pits were dug for investigation of gold mineralisation, but its age or results are unknown.</li> </ul>
Geology	<ul> <li>Deposit type, geological setting and style of mineralisation.</li> </ul>	<ul> <li>Drilling has shown intermediate intrusive rocks surround an altered sandstone and black shale horizon below a shallow soil profile. Soil depths increase into shallow valleys. Local granitoid and porphyry dykes reported in the general area, and increase at the south end of the prospect. Gold mineralisation reports to zones of quartz veining in oxidised rocks and in disseminated sulphides in silica-carbonate altered fresh rock. Disseminated pyrite (to 5%) and arsenopyrite observed in fresh samples</li> </ul>
Drill hole Information	<ul> <li>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: <ul> <li>easting and northing of the drill hole collar</li> <li>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</li> <li>dip and azimuth of the hole</li> <li>down hole length and interception depth</li> <li>hole length.</li> </ul> </li> <li>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.</li> </ul>	<ul> <li>Refer to Table in body of announcement</li> </ul>
Data aggregation methods	<ul> <li>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.</li> <li>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.</li> </ul>	<ul> <li>No grade cuts applied. Significant intercepts are reported at &gt;1g/t Au and are calculated at a 0.50g/t Au cut off and allow for two internal sub-grade samples</li> <li>For assessment of anomalous trends, zones of anomalism may also be reported at &gt;0.10g/t Au cut off, allowing for NIL sub-grade internal samples</li> </ul>

Criteria	JORC Code explanation	Commentary
	<ul> <li>The assumptions used for any reporting of metal equivalent values should be clearly stated.</li> </ul>	
Relationship	<ul> <li>These relationships are particularly important in the reporting of</li> </ul>	<ul> <li>Refer to ASX-AOP announcement November 30 2016</li> </ul>
between	Exploration Results.	
mineralisation	<ul> <li>If the geometry of the mineralisation with respect to the drill hole</li> </ul>	
widths and	angle is known, its nature should be reported.	
intercept	<ul> <li>If it is not known and only the down hole lengths are reported, there</li> </ul>	
lengths	should be a clear statement to this effect (eg 'down hole length, true	
	width not known').	
Diagrams	<ul> <li>Appropriate maps and sections (with scales) and tabulations of</li> </ul>	<ul> <li>Refer to ASX-AOP announcement November 30 2016</li> </ul>
	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.	
Balanced	<ul> <li>Where comprehensive reporting of all Exploration Results is not</li> </ul>	<ul> <li>Refer to ASX-AOP announcement November 30 2016</li> </ul>
reporting	practicable, representative reporting of both low and high grades	
	and/or widths should be practiced to avoid misleading reporting of Exploration Results.	
Other	<ul> <li>Other exploration data, if meaningful and material, should be reported</li> </ul>	
substantive	including (but not limited to): geological observations; geophysical	- Defer to ARY ADD approximate Neverther 20 2018
exploration	survey results; geochemical survey results; bulk samples – size and	
data	method of treatment; metallurgical test results; bulk density,	
	groundwater, geotechnical and rock characteristics; potential	
	deleterious or contaminating substances.	
Further work	The nature and scale of planned further work (eg tests for lateral	Next stage of metallurgical work will comprise Diagnostic Leach
	extensions or depth extensions or large-scale step-out drilling).	analysis of the composites reported, and bottle-roll BLEG analysis on
	<ul> <li>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas</li> </ul>	oxide and partly-oxidised material
	provided this information is not commercially sensitive.	