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ASX Market Announcements ASX Limited Exchange Centre 20 Bridge Street Sydney NSW 2000



Zoroastrian South Open Pit Mine Plan Accelerated

- Resource definition drilling confirms broad zones of shallow gold mineralisation:
 - > 9 metres @ 3.38g/t Au from 9 metres (ZORGC0218)
 - > 22 metres @ 2.54g/t Au from 10 metres including 4 metre @ 10.8g/t Au from 18 metres (ZORGC0221)
- Zoroastrian South Pit mining approval process accelerated to facilitate mining in early 2016 to extend current satellite mining program
- Treatment of first ore batch from Castlereagh open pit at Paddington Mill completed and haulage of second batch in progress
- Mining commenced in Jackorite open pit

Excelsior Gold Limited ("Excelsior Gold" or the "Company") is pleased to announce that recent resource definition drilling at the Zoroastrian South open pit at Company's Kalgoorlie North Gold Project has returned broad zones of gold mineralisation at shallow depths. The initial strong results from the resource definition drilling (a precursor to close spaced grade control drilling) highlight an opportunity to accelerate the development plans for open pit mining in the Zoroastrian South area.

The drilling program incorporated only 13 drill holes designed to confirm the geological interpretation and ore block model ahead of final mine design. The drilling intersected significant shallow mineralisation including **9 metres** @ **3.38g/t Au** from 9 metres (ZORGC0218) and **22 metres** @ **2.54g/t Au** from 10 metres (ZORGC0221). Further results are still pending however the results from the ten holes received to date are sufficiently encouraging to warrant fast tracking of the design and approval process. All available results are tabulated in Table 1 below.

Mining is currently in progress at the Castlereagh and Jackorite open pits which are being mined as part of the initial satellite mining program at the Kalgoorlie North Gold Project. A third pit, Big Blow South, is scheduled to be commenced in January 2016 as part of this satellite campaign which is scheduled to deliver a total of 156,600 tonnes of ore grading 2.35g/t Au to the Paddington Mill by March 2016. The Company will now accelerate lodgement of a mining

proposal for the Zoroastrian South pit to facilitate mining of this pit in early 2016 as an extension to the satellite mining program.

Ore mined from the Project is being processed under the long term Ore Treatment Agreement with Norton Gold Fields Limited (Norton) at the Paddington Mill located approximately 18 kilometres to the south. Initially ore processing under this Agreement was not scheduled to commence until January 2016 however Norton has agreed to commence processing early and treatment of the first batch of Castlereagh ore delivered to the Mill was completed on 18 December 2016. A total of 10,780 wet tonnes of ore with a mined grade of 1.66g/t Au has been processed.

Haulage of a second batch of ore from Castlereagh to the Paddington Mill is currently in progress.

HOLE NUMBER	EAST MGA94 Z51	NORTH MGA94 Z51	AHD RL (m)	FINAL DEPTH (m)	COLLAR DIP	COLLAR AZIM	FROM (m)	TO (m)	LENGTH (m)	GRADE (g/t Au)
ZORGC0211	335377.5	6641862.5	428.90	16	-60	270	14	15	1	5.63
ZORGC0212	335355.0	6641877.5	430.20	30	-60	270	13	15	2	0.45
							21	23	2	0.48
ZORGC0213	335370.0	6641877.5	429.60	18	-60	270	9	16	7	1.35
ZORGC0214	335360.0	6641915.0	430.90	17	-60	270	6	7	1	1.32
							13	15	2	1.88
ZORGC0215	335350.0	6641930.0	431.40	24	-60	270		resu	lts pending	
ZORGC0216	335345.0	6641945.0	431.00	28	-60	270	4	8	4	4.71
ZORGC0217	335355.0	6641945.0	431.30	18	-60	270	7	9	2	1.98
ZORGC0218	335335.0	6641945.0	430.40	35	-60	270	1	6	5	0.43
							9	18	9	3.38
ZORGC0219	335350.0	6641960.0	431.70	22	-60	270	3	5	2	5.22
ZORGC0220	335365.0	6641960.0	431.90	12	-60	270	NSI			
ZORGC0221	335330.0	6641967.5	429.90	34	-60	270	10	32	22	2.54
						inc	18	22	4	10.8
ZORGC0222	335350.0	6641967.5	431.80	30	-60	270	results pending			
ZORGC0223	335330.0	6641960.0	430.20	35	-60	270		resu	Its pending	

Table 1: Zoroastrian South Resource Definition Drilling Summary

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Competent Person Statements- Exploration Results and Mineral Resources:

Information in this announcement that relates to Mineral Resource and exploration results is based on information compiled by Mr. David Potter who is the Technical Director of Excelsior Gold Limited. Mr. Potter is a Member of The Australian Institute of Geoscientists and 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 Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr. Potter consents to the inclusion in the document of the information in the form and context in which it appears.

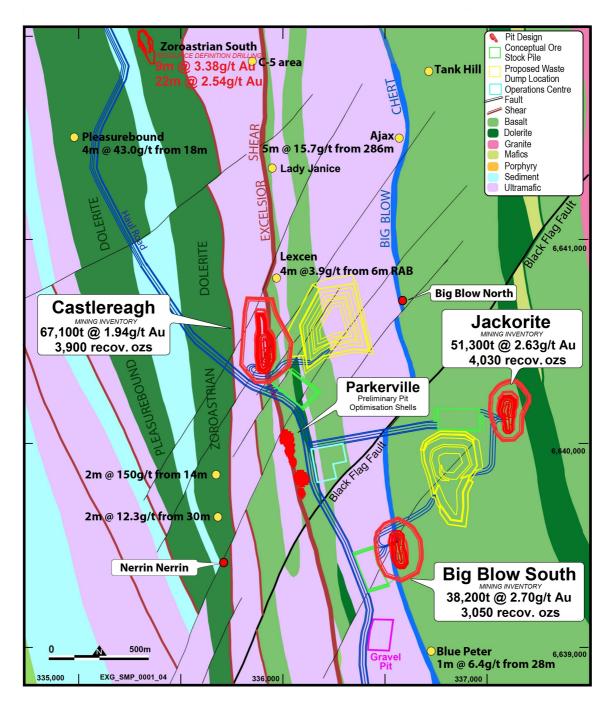


Figure 1: Satellite Mining Program Location Plan



Figure 2: Mining progress in the Castlereagh Pit (14 December 2015)



Figure 3: Jackorite commencement of mining (17 December 2015)

JORC Code, 2012 Edition – Table 1 Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.) Information for historical (Pre Excelsior Gold from 1983 to 2008) drilling, sampling, mining and milling of the Zoroastrian South deposit has been extensively viewed and validated where possible. Information pertaining to historical QAQC procedures and data is incomplete but of a sufficient quality and detail to allow drilling and assay data to be used for resource estimations. Further, Excelsior Gold has undertaken extensive infill and confirmation drilling which confirm historical drill results. Sections 1 and 2 describe the work undertaken by Excelsior and only refer to historical information where appropriate and/or available.

Criteria	JORC Code explanation	Commentary
Sampling techniques	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 hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.	 The Reverse Circulation (RC) is designed on a 15mN x 10mE grid spacing in order to allow for accurate delineate the ore body for selective mining. The holes were drilled at variable azimuths at dips of -60 degrees towards 270 degrees magnetic in order to optimally test for potential mineralized zones.
	Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.	 All RC recovered samples were collected and passed through a cone splitter. Prior to drilling the drill whole locations were pegged using either contract surveyors or hand held GPS units. After drilling, all drill whole locations are picked up by contract surveyors using a RTK system. All drill holes greater than 50m drilled were down hole surveyed by contractors using specific non-magnetic tools.
	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 1 m samples from which 3 kg was pulverised to produce 2.20 a before for fire people'.	All RC drilling was sampled on one metre down hole intervals. The recovered samples were passed through a cone splitter and a nominal 2.5kg – 3.5kg sample was collected. Where the original 1m samples were not collected nominal 4m composite samples were in collected by spear sampling individual 1m composite samples. All consults were submitted taken to a Kalasadia contract less sectors.
	to produce a 30 g 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	 All samples were submitted taken to a Kalgoorlie contract laboratory. Samples were oven dried, reduced by riffle splitting to 3kg as
	mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information.	required and pulverized in a single stage process to 85% passing 75 µm. The sample is then prepared by standard fire assay techniques with a 40g charge. Approximately 200g of pulp material is returned to Excelsior for storage and potential assay at a later date.
Drilling techniques	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.).	 All assays reported in this announcement have come from drilling using a drilling contractor. The RC drilling system employed the use of a face sampling hammer and a nominal 146mm diameter drill bit.
Drill sample recovery	Method of recording and assessing core and chip sample recoveries and results assessed	• All RC 1m samples are logged for drilling recovery by a visual estimate and this information is recorded and stored in the drilling database. At least every 10 th metre is collected in a plastic bag and these are weighed when they are utilized for the collection of field duplicate samples. The weight of the sample in the plastic bag is recorded and the total sample recovery can be calculated. All samples received by the laboratory are weighed with the data collected and stored in the database. Sample loss or gain is reviewed on an ongoing basis and feedback given to the drillers to enable the best representative sample to always be obtained.
	Measures taken to maximise sample recovery and ensure representative nature of the samples	 RC samples are visually logged for moisture content, sample recovery and contamination. This is information is stored in the database. The RC drill system utilizes a face sampling hammer which is industry best practice and the contractor aims to maximize recovery at all times. RC holes are drilled dry whenever practicable to maximize recovery of sample.

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.

Study of sample recovery vs gold grade does not show any bias towards differing sample recoveries or gold grade. The drilling contractor uses standard industry drilling techniques to ensure minimal loss of any size fraction. The sample recovery vs gold grade is assessed on an ongoing basis throughout the drilling program.

Logging

- 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.
- All RC samples are geologically logged. Specifically, each interval is
 visually inspected with a hand lens and the following parameters are
 recorded where observed: weathering, regolith, rock type, alteration,
 mineralization, shearing/foliation and any other features that are
 present. This information is transferred electronically from the
 geologist to the database.
- Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography.
- Where required the logging records the abundance of specific minerals or the amount of alteration (including weathering) using defined ranges.
- The total length and percentage of the relevant intersections logged.
- The entire lengths of RC holes are logged on a 1m interval basis, i.e. 100% of the drilling is logged, and where no sample is returned due to voids (or potentially lost sample) it is logged and recorded as such.

Sub-sampling techniques and sample preparation

- If core, whether cut or sawn and whether quarter, half or all core taken.
- not applicable
- If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.
- All RC samples are put through a cone splitter and the sample is
 collected in a unique pre-numbered calico sample bag. The moisture
 content of each sample is recorded in the database. The drilling
 method is designed to maximize sample recovery and representative
 splitting of samples. The drilling methods also maximize dry samples
 as they are designed to keep water out of the hole when possible.
- For all sample types, the nature, quality and appropriateness of the sample preparation technique.
- The sample preparation technique for all samples follows industry best practice, by an accredited laboratory. The techniques and practices are appropriate for the type and style of mineralization. The RC samples are sorted, oven dried, the entire sample is pulverized in a one stage process to 85% passing 75 µm. The bulk pulverized sample is then bagged and approximately 200g extracted by spatula to a numbered paper bag that is used for the 50g fire assay charge.
- Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.
- RC samples submitted to the laboratory are sorted and reconciled against the submission documents. Excelsior inserts blanks and standards with blanks submitted in sample number sequence at 1 in 50 and standards submitted in sample number sequence at 1 in 20. The laboratory uses their own internal standards of 2 duplicates, 2 replicates, 2 standards, and 1 blank per 50 fire assays. The laboratory also uses barren flushes on the pulveriser.
- 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.
- In the field every 10th metre from the bulk sample port on the cone splitter is bagged and placed in order on the ground with other samples. This sample is then used for collection of field duplicates via riffle splitting. RC field duplicate samples are collected after results are received from the original sample assay. Generally, field duplicates are only collected where the original assay result is equal to or greater than 0.1g/t Au. The field duplicates are submitted to the laboratory for the standard assay process. The laboratory is blind to the original sample number.
- Whether sample sizes are appropriate to the grain size of the material being sampled.
- The sample sizes are considered to be appropriate for the type, style, thickness and consistency of mineralization located at this project. The sample size is also appropriate for the sampling methodology employed and the gold grade ranges returned.

Quality of assay data and laboratory tests

- The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.
 - For geophysical tools, spectrometers, handheld XRF instruments, etc., the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors
- Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.

applied and their derivation, etc.

- The assay method is designed to measure total gold in the sample.
 The laboratory procedures are appropriate for the testing of gold at this project given its mineralization style. The technique involves using a 50g sample charge with a lead flux which is decomposed in a furnace with the prill being totally digested by 2 acids (HCl and HNO3) before measurement of the gold content by an AA machine.
- Not used for reporting or interpretation of gold mineralization.
- The QC procedures are industry best practice. The laboratory is accredited and uses its own certified reference material. The laboratory has 2 duplicates, 2 replicates, 1 standard and 1 blank per 50 fire assays. At the same time Excelsior submits blanks at the rate of 1 in 50 samples and certified reference material standards at the rate of 1 in 20 samples in the normal run of sample submission numbers. As part of normal procedures Excelsior examines all standards and blanks to ensure that they are within tolerances.

Additionally, sample size, grind size and field duplicates are examined to ensure no bias to gold grade exists. Verification of verification of significant Exploration Manger Mr Bradley Toms has inspected and RC chips in The intersections by either independent or sampling and the field to verify the correlation of mineralized zones between assay assaying alternative company personnel. results and lithology/alteration/mineralization. A number of RC holes have been drilled throughout the deposit to The use of twinned holes. twin historical RC holes. These twinned holes returned results comparable to the original holes and were also used to collect geological information and material for metallurgical assessment. Both historical and new diamond drilling has been drilled to confirm geological interpretation and results obtained from RC drillholes. Documentation of primary data, data Primary data is sent digitally every 2-3 days from the field to entry procedures, data verification, data Excelsior's Database Administrator (DBA). The DBA imports the data into the commercially available and industry accepted (physical and electronic) storage DataShed database software. Assay results are merged when protocols. received electronically from the laboratory. The responsible geologist reviews the data in the database to ensure that it is correct and has merged properly and that all data has been received and entered. Any variations that are required are recorded permanently in the database. Discuss any adjustment to assay data. No adjustments or calibrations were made to any assay data used in Location of data All drill holes have their collar location recorded from a hand held Accuracy and quality of surveys used to points locate drill holes (collar and down-hole GPS unit. Holes that may be in a future resource estimate area have surveys), trenches, mine workings and their collar position picked up by licensed contract surveyors using a other locations used in Mineral Resource RTK system. Downhole surveys are completed every 30m downhole. estimation Specification of the grid system used All drill holes and resource estimation use the MGA94, Zone 51 grid system. The topographic data used was obtained from consultant surveyors Quality and adequacy of topographic and is based on a LiDAR survey flown in 2012. It is adequate for the control. reporting of Exploration Results and subsequent Mineral Resource estimates .The original final pit survey has been used to deplete the resource model. Data spacing Data spacing for reporting of Exploration The nominal drill spacing is 15m x10m. and distribution Results. Whether the data spacing and distribution This report is for the reporting of grade control results. The drill is sufficient to establish the degree of spacing, spatial distribution and quality of assay results is sufficient geological to support the current JORC classification of material contained and grade continuity appropriate for the Mineral Resource and within this report and is appropriate for the nature and style of Ore Reserve estimation procedure(s) and mineralisation being reported. classifications applied. Whether sample compositing has been N/A applied. Orientation of Whether the orientation of sampling The majority of drilling is to grid west or east. The bulk of the data in relation achieves unbiased sampling of possible mineralized zones are perpendicular to the drilling direction. Field to geological mapping and geophysical interpretations supports the drilling structures and the extent to which this is structure known, considering the deposit type. direction and sampling method. No drilling orientation and sampling bias has been recognized at this If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material. Sample security The measures taken to ensure sample Sample security is part of Excelsior's QAQC and sampling security. procedures. RC samples are delivered directly from the field to the Kalgoorlie laboratory by Excelsior personnel on a daily basis with no detours, the laboratory then checks the physically received samples against an Excelsior generated sample submission list and reports back any discrepancies Audits or The results of any audits or reviews of An internal review of sampling techniques and procedures was sampling techniques and data. completed in March 2015. No external or third party audits or reviews have been completed.

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Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.	The results reported in this Announcement are on granted Mining Leases held by GPM Resources Pty Ltd, a wholly owned subsidiary of Excelsior Gold Limited.
	 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. 	 At this time the tenements are believed to be in good standing. There are no known impediments to obtaining a license to operate, other than those set out by statutory requirements which have not yet been applied for.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	 Exploration by other parties has been reviewed and is used as a guide to Excelsior's exploration activities. Previous parties have completed open pit and underground mining, geophysical data collection and interpretation, soil sampling and drilling. This report comments on only exploration results collected by Excelsior.
Geology	Deposit type, geological setting and style of mineralisation.	 The primary gold mineralisation at Zoroastrian is predominately associated with 2-10m (true width) shear zones with quartz veining display a sigmoidal shape Historical workings and shafts exist within the area, detailed mapping and sampling of these workings and structural magazinements from griphtated diamond core drilling forms the basis
Drill hole Information	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:	 measurements from orientated diamond core drilling forms the basis of the geological interpretation. The drill holes reported in this Announcement have the following parameters applied 2m > 1g/t. All drill holes completed, including holes with no significant gold intersections are reported in this announcement.
	 easting and northing of the drill hole collar elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar dip and azimuth of the hole 	 Easting and northing are in MGA94 Zone 51 RL is AHD Dip is the inclination of the hole from the horizontal (i.e. a vertically down drilled hole from the surface is -90°). Azimuth is reported in magnetic degrees as the direction toward which the hole is drilled. MGA94 and magnetic degrees vary by approximately 1° in this project area
	 down hole length and interception depth hole length. 	Down hole length of the hole is the distance from the surface to the end of the hole, as measured along the drill trace. Interception depth is the distance down the hole as measured along the drill trace. Intersection width is the downhole distance of an intersection as measured along the drill trace.
	• 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.	 Hole length is the distance from the surface to the end of the hole, as measured along the drill trace. No results from previous exploration are the subject of this Announcement.
Data aggregation methods	 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. 	No high grade cuts have been applied to assay results. RC assay results are distance weighted using 1m for each assay.
	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.	Intersections are reported if the interval is at least 1m wide at 1g/t Au grade. Intersections greater than 1m in downhole distance can contain up to 2m of low grade or barren material.
	The assumptions used for any reporting	No metal equivalent reporting is used or applied.

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	of metal equivalent values should be clearly stated.	
Relationship between mineralisation widths and	These relationships are particularly important in the reporting of Exploration Results.	The intersection width is measured down the hole trace, it is not usually the true width. Cross sections in this announcement allows the relationship between true and down hole width to be viewed.
intercept lengths	If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.	 Data collected historical workings and shafts exist within the area and structural measurements from orientated diamond core drilling show the primary ore zones to be sub-vertical in nature with a general NNW strike
	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 length, true width not known').	All drill results within this announcement are downhole intervals only and due to variable mineralisation and style true widths are not able to be calculated until modelling of the mineralisation.
Diagrams	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.	Plan and cross sectional views are contained within this announcement
Balanced reporting	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.	• All drill holes completed are included in the results Table in the Announcement.
Other substantive exploration data	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.	No other exploration data is considered meaningful and material to this announcement.
Further work	The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).	 Future exploration has not been planned and may involve the drilling of more drill holes, both DC and RC, to further extend the mineralised zones and to collect additional detailed data on known mineralized zones.
	Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	 The locations of planned GC holes are shown on the drill plan. Further future drilling areas are not highlighted as they are not yet planned.

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