



## **ASX ANNOUNCEMENT**

14 March 2014

**ASX Code: MDX** 

ABN: 28 106 866 442

#### **Corporate Description**

Mindax's Mt Forrest Iron Project is progressing through feasibility with a view to mining in 2015.

Mindax is also the greenfields discoverer of a new uranium province near Mukinbudin, Western Australia.

Mindax also has exploration projects based in Western Australia which involve Gold and Copper.

Through technically advanced exploration and an eye for detail, Mindax has successfully built a significant portfolio of 20 mineral exploration and mining tenements covering over 1,280 square kilometres. In addition, Mindax has tenure in place for water and infrastructure covering over 2,400 square kilometres in support of the Mt Forrest Iron Project development.

Mindax aims to develop strategic resources through innovative exploration. Projects will be moved to production including via strategic partnerships.

#### **Key Projects**

Mt Forrest Iron

Yilgarn-Avon JV Sedimentary Uranium

Mortlock JV Copper-Gold

Meekatharra JV Gold

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# SECOND PHASE EXPLORATION RESULTS RETURNED FOR MEEKATHARRA NORTH GOLD PROJECT

Mindax Limited (**Mindax**) refers to its announcement of 13 February 2014 and is pleased to advise that the second phase of drilling for the Meekatharra North Gold Project has been completed.

A small drill programme of 6 holes for 1,545 metres was completed safely and successfully.

The final assay results for the four metre composites were returned. The highest gold composite interval returned 3,150 ppb Au in hole MNC012 (see Figure 1). This result confirms the presence of a deep mineralised structure extending over 200m below the surface and repeat assays indicate the gold is nugget like. The remaining drill results are generally disappointing. Further one metre resampling will be undertaken and a revised geological interpretation will then be completed.

Gold results reporting above 100ppb Au are set out in Table 1.

Mindax's Managing Director and CEO, Dr Steve Ward, commented: "We will review all the information when to hand in the coming weeks and then consider future work programs with our joint venture partners who have funded the current work."

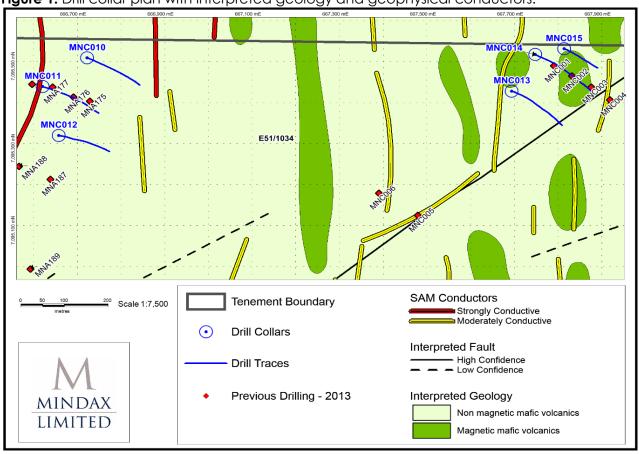


**Table 1:** Intersections reporting above 100ppb au cut-off

HOLE ID	Easting	Northing	RL	Dip/Azimuth	Total Depth (m)	FROM (m)	TO (m)	Downhole Interval	INTERCEPT (ppb Au)
MNC010	666723	7095509	518	60/112	249	0	249	-	NSR
MNC011	666621	7095439	494	63/107	297	192	196	4	116*
MNC012	666658	7095320	480	60/112	249	220	224	4	3150*
MANICO12	667694	7095428	476	/2/100	270	72	76	4	111*
MNC013	00/074	7073420	4/0	63/109	2/0	240	244	4	169*
						8	12	4	137
						44	48	4	170
MNC014	667748	7095517	479 63/	63/110	297	72	76	4	171
						88	92	4	223*
						152	160	8	134*
MANICO1 F	667814	7095531	504	/2/110	102	40	44	4	101
MNC015	00/014	7073331	304	63/110	183	140	148	8	124

**Note:** Intervals omitted from this table have returned no significant result (NSR). \*Indicates wet sample.

Figure 1: Drill collar plan with interpreted geology and geophysical conductors.





## **Competent Person's Statement**

The information in this report that relates to Exploration Results is based on information compiled by Mr John Vinar who is a member of the Australasian Institute of Mining and Metallurgy, with more than 5 years' experience in the field of activity being reported on.

Mr Vinar is a full-time employee of the Company and has sufficient experience which is relevant to the style of mineralisation and type of deposit and to the activity which he is 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 Reserves". Mr Vinar consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

## JORC 2012 – Table For Reporting Purposes

Section 1 - Sampling Techniques And Data

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.	Sampling of the two prospects was by RC drilling on a 50 x 100m grid spacing. Drill lines were designed at right angles to the interpreted strike direction at each prospect and spaced at 100m intervals.  A total of 6 drillholes for 1,545m were completed during this campaign. All drillholes were angled at approximately -60°.
		Downhole samples are collected for every metre of drilling.
	Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.	The drillhole locations are initially picked up by handheld GPS and later picked up by qualified surveyors using DGPS.
		Drill samples were logged for lithological, weathering, magnetic susceptibility, wetness, recovery, and contamination
		Mindax sampling protocols and QAQC procedures are aligned with industry best practice.



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	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 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 mineralisation types (e.g. submarine nodules) may warrant	RC samples are composited at 4 m to produce a bulk 3 kg sample. Samples were crushed, dried, pulverised (total prep), and split to produce a 25 g sub sample which is analysed using aquaregia digestion with ICP-MS finish with a 0.5 ppb detection limit for gold only.  A further 50 g sub sample which is analysed using microwave assisted four-acid digestion with ICP-MS and OES finish for a multi element suite.
Drilling techniques	disclosure of detailed information.  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, facesampling bit or other type, whether core is	The recent drilling comprised 6 reverse circulation holes using a face sampling down-hole hammer.
Drill sample recovery	oriented and if so, by what method, etc.).  Method of recording and assessing core and chip sample recoveries and results assessed.	A visual estimate is made by the geologist during logging. Overall recoveries are good and no sample recovery issues have been noted.
	Measures taken to maximise sample recovery and ensure representative nature of the samples.	RC samples were collected in bags directly from the cone-splitter and laid out on the ground in rows of 20. Plastic sample bags were used during dry drilling, with polyweave bags used in wet conditions. Four metre composite samples are taken by spear sampling the bulk 1m samples.
		All RC drilling is subject to industry best practice and QAQC protocols whereby the hole is cleaned at the end of every metre interval by raising the bit slightly and blowing out the hole before drilling the next metre and ensuring water ingress into the hole whilst drilling is minimised.
		In addition the cyclone and cone splitter were cleaned out with



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		compressed air at the end of each 6m drill rod.
	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.	Insufficient drilling and geochemical data is available to evaluate potential sample bias at the present time.
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.  Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography.	Qualitative geological logging was performed on all drill-chip samples by the geologists in attendance at the drill rig. Lithology, grainsize, texture, colour, alteration, oxidation, weathering, recovery, contamination, and wetness were all recorded. In addition all chip-trays were photographed and then stored in the company's chip tray library.
		Geotechnical logging has not been performed due to the nature of drilling methods used.
	The total length and percentage of the relevant intersections logged.	All drillholes have been logged from surface to end-of-hole.
Sub- sampling techniques and sample preparation	If core, whether cut or sawn and whether quarter, half or all core taken.  If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.	No core obtained.  During RC drilling, 1m samples were obtained directly from the rigmounted cone splitter. 4m composite samples were taken by spear sampling individual sample bags. Approximately 50% of samples were taken wet due to ground conditions.
	For all sample types, the nature, quality and appropriateness of the sample preparation technique.	Samples are oven-dried at 110°C, jaw-crushed to 2mm, rotary split to 500g, and then pulverised to 75µm in bowl-and-puck style mills. At this stage a 25g sub-sample is taken for aqua regia leach to be analysed for gold, with a further 50g sub-sample taken for microwave-assisted aqua regia leach to be analysed for base metals and trace elements. This methodology is considered appropriate for this stage of exploration.



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	Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.	QC protocol is indiscriminate of lithology. A duplicate one metre sample is taken at every 30m interval. For RC a second sample is obtained from the cone splitter. For RC when making up field duplicates a second 4m composite would be prepared by spear sampling. No blanks were implemented for this exploration phase.
	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.	1 in 30 rig duplicates and benchmark standards are inserted into the sampling sequence and assaying process.
	Whether sample sizes are appropriate to the grain size of the material being sampled.	A minimum of 3kg sample is collected for composites and is considered appropriate for the medium being sampled.
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.	The exploration program is greenfields and as such has selected the appropriate cost effective assaying methodology fit for purpose.  Company has selected a NATA approved laboratory.
		25g sub-sample is taken for aqua regia leach with ICP-MS finish for gold only. The entire process and digestion of lithotype is appropriate for the purpose of detecting anomalous gold. All assays greater than 1000ppb are then fire assayed using a 25 gram charge with AAS finish. The method of fire assay enables a complete digestion of the lithotype and is more appropriate for reporting higher grades.
	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.	None were used as not needed.



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	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.	Sample preparation checks were carried out by the laboratory as part of their internal procedures to ensure the grind size of 85% passing 75 micron was being attained. Laboratory QAQC involves the use of internal lab standards using certified reference material, blanks, splits and replicates as part of the in house procedures.
Verification of sampling and assaying	The verification of significant intersections by either independent or alternative company personnel.	The exploration manager and two senior geologists have reviewed the drill chips from all significant intersections in the recent drilling program.
	The use of twinned holes.	No twinned holes have been drilled at this stage.
	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	Primary data was collected using Excel templates directly into a Toughbook computer. The data was validated by the project geologist before entry to the company database. The database is hosted externally by TerraSearch and all data upload is performed by TerraSearch personnel.
	Discuss any adjustment to assay data.	No adjustments were made to any assay data quoted herein.
Location of data points	Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.	Drill collars were surveyed with a handheld GPS unit by the field geologist, with a stated accuracy of +/- 3m for X, Y, and Z dimensions.  RC drillholes were down hole surveyed every 30m inside the drill string with a 'Reflex' multi-shot survey tool. To avoid the effects of magnetic interference, a six metre stainless drill rod was fitted directly behind the hammer where the camera would be lowered for recording of the dip and azimuth.
	Specification of the grid system used.	Datum is GDA94. Grid system is MGA zone 50. Elevations are relative to AHD. Geoid model is Ausgeoid98.



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	Quality and adequacy of topographic control.	Drill collar elevation is the only topographic data at present, and this is considered adequate for the current exploration stage.
Data spacing and distribution	Data spacing for reporting of Exploration Results.	Drillhole spacing is variable across the project, with holes at 50m easting intervals and drill lines approximately 100m apart along strike.
	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.	The data density is too low to establish a coherent model of geology or grade at this time.
	Whether sample compositing has been applied.	Initial assays were performed on four- metre composite samples. Individual one-metre samples will be assayed in zones of anomalous gold in excess of 100ppb.
Orientation of data in relation to geological structure	Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.  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.	Drillholes were angled at -60° with the azimuths designed to cross-cut interpreted structures at right angles. At this stage there is insufficient data to determine true widths of intersections or the existence of any sampling bias.
Sample security	The measures taken to ensure sample security.	Samples are transported by Mindax personnel from site to the Toll IPEC yard in Meekatharra. They are stored in the locked yard until being shipped directly to the assay laboratory in Perth.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	No audit of sampling techniques or data has been performed at this time. Our assay laboratory participates in the Geostats Round Robin where several laboratories are reviewed on their assaying.



# Section 2 - Reporting of Exploration Results

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.	All work referred to herein was located on Exploration Licence E51/1034, which is Mindax sole tenement in the Meekatharra region. The tenement is owned and operated by Mindax Ltd as part of a farm-in JV with Messrs Zhuang who have the option to earn a 51% interest in the project over three years. The tenement sits mainly within the Yugunga-Nya Native Title Claim (WC99/46), while the portion to the west of the Great Northern Highway is covered by the Wajarri Yamatji Native Title Claim (WC04/10).
	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.	The tenement is in good standing and no known impediments exist.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	Prior to Mindax involvement, exploration work on the ground was carried out by WMC and Dominion Resources. Drilling and geophysical data from this period is available on open file and has been analysed by the company for target generation purposes.
Geology	Deposit type, geological setting and style of mineralisation.	The company is exploring for quartz-hosted mesothermal gold deposits within the Archaean aged Meekatharra-Wydgee greenstone belt. The target zones comprise mafic rock altered to greenstone facies and cross-cut by quartz veins within shear structures.



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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:	Appended in Table 1 of the current announcement.
	easting and northing of the drill hole     collar	
	o elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar	
	o dip and azimuth of the hole	
	o down hole length and interception depth	
	o hole length.	
	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 information has been excluded
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.	All reported assays have been length weighted. No top-cuts have been applied. A nominal 0.1 g/t Au lower cut-off is reported as significant in the context of the geological setting.
	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.	All results are reported
	The assumptions used for any reporting of metal equivalent values should be clearly stated.	None used as not relevant.



CRITERIA	JORC CODE EXPLANATION	COMMENTARY
Relationship between mineralisation widths and intercept lengths	These relationships are particularly important in the reporting of Exploration Results. If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. 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 widths reported are down hole widths. The exploration conducted so far is inadequate to determine specific widths or geometry for mineralisation intersected.
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.	Appended in Figure 1
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 drilling and assay results are summarized.
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 material information has been excluded.



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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). 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 next phase of work will involve assaying of 1m samples from all 4m composites greater than 100ppb Au.  An independent downhole surveyor has been contracted to survey all holes with an optical televiewer and magnetic susceptibility probe. In addition the contractor will survey the drill collar positions using a Differential GPS unit.  Selected intervals will be sent for petrological analysis to assist in geological interpretation.

## End of Announcement

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