15 JULY 2019

ASX: IDA



HIGH GRADE GOLD IDENTIFIED IN NEW ZONES AT WEST MALI GOLD PROJECT

HIGHLIGHTS

- First phase of results received from the recently completed shallow RC drilling programme at Koussikoto Ouest, West Mali Gold Project
- Significant multiple lodes of mineralisation discovered at anomalies A5 and A7
- Better results include (for full results refer to Table 1):
 - > 8m @ 1.42 g/t Au from 15m, and 12m @ 1.10 g/t Au from 30m (RCMK4008)
 - > 2m @ 5.46 g/t Au from 28m, and 5m @ 2.34 g/t Au from 37m (RCMK4009)
 - > 2m @ 12.3 g/t Au from 44m (RCMK4014)
 - Including 1m @ 23.1 g/t Au
- These newly identified zones remain open in all directions and confirms the significant exploration potential, making these new zones high priority follow-up targets
- Koussikoto Ouest is located within the highly prospective and proven Main Transcurrent Zone structure, which hosts multiple world class deposits
- Remaining RC and soil geochemistry results expected over the coming weeks

Indiana Resources Limited (**ASX: IDA**) (**'Indiana'** or the **'Company'**) is pleased to announce that the first phase of assay results have been received for its recently completed RC drilling programme at the Koussikoto Ouest License, at the southern end of its West Mali Gold Project (Figures 1 and 2).

A 1,740m RC drilling programme was recently completed comprising 24 holes. Results for 16 of the 24 holes have been received to date, with the results for the remaining 8 holes expected in the near term.

Results to date have identified two new significant zones of mineralisation at anomalies A5 and A7 North (refer Figure 3). At anomaly A5 (refer Figure 4), mineralisation is hosted within Greywacke within a moderately west-dipping structure, with a best result returned of 2m @ 12.3 g/t Au from 44m in hole RCMK4014. This drill hole followed up an initial aircore result of 4m @ 2.52 g/t Au.

At anomaly **A7 North** (refer Figure 5) two holes following up an initial aircore result of 5m @ 4.86 g/t Au intersected multiple lodes of moderately west-dipping mineralisation hosted within a Quartz Porphyry. Significant intersections returned include **8m @ 1.42 g/t Au** from 15m, and **12m @ 1.10 g/t Au** from 30m in hole RCMK4008, and **2m @ 5.46 g/t Au** from 28m, and **5m @ 2.34 g/t Au** from 37m in hole RCMK4009 drilled further down-dip.

Indiana's Chair, Bronwyn Barnes commented "These initial results are a solid endorsement of the prospectivity of the West Mali Gold Project area. We look forward to receiving the results for the remaining holes and the soil geochemistry programme. This will enable our team to review existing data combined with the new data sets and design follow up exploration activity."

DISCUSSION OF DRILLING

Anomalies A1 to A10 (refer Figure 3) were identified during a recently completed review of historic soil geochemistry data¹. These anomalies range up to 5,000 metres in length, with only A1 ('The Edge') having been previously drill-tested.

The recently completed 24 hole, 1,740m RC drilling programme² (average depth 71m, minimum depth 40m, maximum depth 96m) was designed to test:

- Four significant intercepts recorded in 2018 aircore drilling³, at anomalies A5, A7, A8 and A9;
- Soil anomalies identified during a recently completed review of historic soil geochemistry data (A5, A5 South and A7 South results outlined in this release); and
- Additional recently identified soil anomalies (A2, A2 South, and A4 results pending)

In addition to the announced programme, a single RC hole was completed at 'The Edge' prospect to follow up historic drilling that returned results including⁴,

- 18m @ 3.35g/t Au, from 26m (MOKRC0032)
- 4.5m @ 18.55g/t Au, from 98.8m (MOKDD0040)

Furthermore, to the discoveries at A5 and A7, the following results were recorded:

- At Anomaly A9, the target was a >10,000 ppb Au soil anomaly and aircore drilling intercept of 4m @ 6.32 g/t Au best result was 1m @ 10.7 g/t Au from 1m (Hole RCMK40002), which correlates with the soil anomaly, further interpretation is required.
- At Anomaly A8, the target was designed to follow up a previous aircore drill intercept of 2m @ 1.34 g/t Au, which could not be replicated. The company intends to further test this anomaly closer to the soil anomaly.
- At Anomaly A7 South, the target was a 5,560 ppb Au soil anomaly, with drilling returning 1m @ 0.61 g/t Au from 17m, the mineralisation is open and requires further investigation.
- At Anomaly A5 South, the target was a 8,980 ppb Au soil anomaly, which did not return a significant associated drill intercept, and the company is reviewing the nature of the soil sampling in this area.

All persistent anomalies identified to date appear related to north–south and northwest-southeast trending structures within the Main Transcurrent Zone (MTZ). The MTZ is interpreted to be one of the major structures which controls mineralisation in Western Mali and Eastern Senegal. This is considered an excellent geological and structural location, within the highly prospective Kenieba Inlier of Western Mali, which is known to host a number of multi-million ounce gold deposits, including the Loulou 12.5Moz deposit (Barrick Gold) and the Sabodala 8Moz deposit (Teranga Gold).

This current release covers holes RCMK4001-4016; results for Holes 4017- 4024 are still pending and will be announced to market after receipt.

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To find out more, please visit <u>www.indianaresources.com.au</u>.

¹ ASX Release: 14 May 2019 – Geochem Review Identifies Multiple Anomalies – West Mali Gold

² ASX Release: 11 June 2019 – Drilling Commences - West Mali Gold Project

³ ASX Release: 6 August 2018 – Final results from Mali drilling

⁴ ASX Release: 9 March 2018 – Acquisition of tenements in world class Mali gold district



Figure 1 – Indiana West Mali Project Area



Figure 2 –Indiana West Mali Gold Project showing results of drilling and sampling programmes. Results relating to Kossanto West – see ASX release – 11 September 2018



Figure 3 – Koussikoto Ouest RC Drilling results received to date over soil geochemical anomalies



Figure 4 – Anomaly A5 (Central) Cross Section



Figure 5 – Anomaly A7 (North) Cross Section

Anomaly	Hole ID	Northing	Easting	RL	Depth	Dip	Azimuth	From	То	Length	Au g/t
A9	RCMK4001	1480999	195086	141	48.0	-55	90		Ν	ISI	
	RCMK4002	1481000	195064	141	66.0	-55	90	1.0	2.0	1.0	10.7
	RCMK4003	1481001	195044	141	90.0	-55	90		N	ISI	
A8	RCMK4004	1481001	194530	134	48.0	-55	90		N	ISI	
	RCMK4005	1481001	194518	134	60.0	-55	90		N	ISI	
	RCMK4006	1481001	194500	133	80.0	-55	90		N	ISI	-
A7 North	RCMK4007	1481001	194210	132	40.0	-55	90	4.0	5.0	1.0	5.92
								11.0	12.0	1.0	0.92
								22.0	25.0	3.0	0.78
					r	-		29.0	31.0	2.0	0.58
	RCMK4008	1481001	194190	132	60.0	-55	90	15.0	23.0	8.0	1.42
							Including	15.0	17.0	2.0	2.91
								30.0	42.0	12.0	1.10
							Including	35.0	37.0	2.0	3.05
	RCMK4009	1481000	194170	132	80.0	-55	90	28.0	30.0	2.0	5.46
							Including	28.0	29.0	1.0	8.47
								37.0	42.0	5.0	2.34
							Including	37.0	38.0	1.0	5.00
							and	40.0	41.0	1.0	5.53
					1		r	50.0	54.0	4.0	0.67
A7 South	RCMK4010	1479960	194090	124	90.0	-55	90		N	ISI	
	RCMK4011	1479960	194050	124	80.0	-55	90	17.0	18.0	1.0	0.61
A5 Central	RCMK4012	1479200	192255	110	40.0	-55	90	2.0	6.0	4.0	0.57
	RCMK4013	1479200	192235	109	60.0	-55	90	10.0	11.0	1.0	0.55
					1		1	40.0	42.0	2.0	1.46
	RCMK4014	1479200	192215	109	80.0	-55	90	3.0	4.0	1.0	0.60
								30.0	33.0	3.0	0.61
								44.0	46.0	2.0	12.3
							Including	44.0	45.0	1.0	23.1
AE C	DOMINADAE	4.470.400	102040	424	00.0		00	62.0	63.0	1.0	1.63
A5 South	RCIVIK4015	1478400	193040	124	80.0	-55	90		N		
A2 South		14784600	193000	110	80.0	-55	90		Awaitin	a results	
Az Journ	RCMK4017	1/8/600	194130	110	80.0	-55	90		Awaitin	a results	
	RCMK4019	1484600	194070	110	80.0	-55	90		Awaitin	a results	
Δ <i>Δ</i>	RCMK4020	1486000	190190	70	66.0	-55	90		Awaitin	a results	
7.4	RCMK4020	1486000	190150	70	80.0	-55	90		Awaitin	a results	
	RCMK4022	1486000	190110	70	80.0	-55	90		Awaitin	a results	
A2 Central	RCMK4023	1485600	193445	108	60.0	-55	90	Awaiting results			
A1 'The edge'	RCMK4024	1483840	193383	148	96.0	-60	90	Awaiting results			

Table 1: Signifiant Intercepts >= 0.50 g/t Au

Notes

Results are for intercepts >= 0.50 g/t Au allowing for a maximum 2m internal dilution

Analysis method FAA505, 50g Fire Assay

Coordinate system UTM WGS84_29N

Collar coordinates for RCMK4001-4008 were picked up using Differential GPS (DGPS) all other collars set-out using hand held GPS, reported GPS accuracy is +/- 5m

Competent Person's Statement

Information relating to historical exploration results is based on information reviewed by Mr Craig Hall, whom is a Member of the Australian Institute of Geoscientists. Mr Hall has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and the activity he is undertaking to qualify as a Competent Person in terms of the 2012 edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves ('**JORC 2012**'). Mr Hall consents to the inclusion of the information relating to historical exploration results in this announcement in the form and context in which it appears.

Appendix A: JORC 2012 Table 1 Reportin	g
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Section 1. Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	 Nature and quality of sampling (eg 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. Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. 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 (eg '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 (eg submarine nodules) may warrant disclosure of detailed information. 	 All of the reported sampling on Koussikoto Ouest was undertaken by the project vendor, Mukuyu Resources, during the period 2013 to present. Results for Kossanto West are discussed in IDA's release dated 11th September 2018. Reverse Circulation (RC) drill holes were routinely sampled at 1m intervals down the hole. RC Samples were collected at the drill rig by riffle splitting drill spoils to collect a nominal 2 - 3 kg sub sample. Diamond (DD) drill holes were sampled to geological boundaries for the length of the hole. DD holes were sampled by cutting the core in half length-wise down the core axis. RC and DD - Routine standard reference material, sample blanks, and sample duplicates were inserted/collected at every 10th sample in the sample sequence. All RC and DD samples were submitted to SGS Bamako for preparation and analysis by 30g Fire Assay or 50g Fire Assay. Aircore (AC) drilling samples were collected at the drill rig and scoop sampled from 1m drill spoils to collect a nominal 2 - 3 kg sub sample. AC holes were routinely sampled as 4m composited intervals down the hole. The bottom of each hole was sampled as a 1m interval down the hole. AC - Routine standard reference material and sample blanks were inserted/collected at every 20th sample in the sample sequence. AC samples were submitted to SGS Bamako for preparation and analysis by 50g Fire Assay (DL 0.01ppm). Trench samples were routinely sampled at 1m intervals along the trench. Soil sample nominal weight was 2kg
Drilling techniques	 Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg 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). 	 RC hole diameter was nominally 5.5 Inch. A face sampling down hole hammer was used at all times. DD hole diameter varied from HQ- size to NQ-size core. AC holes were initially planned for drilling by the aircore (AC) technique but were subsequently drilled using RC hammer to achieve adequate penetration

Criteria	JORC Code explanation	Commentary
		 and better sample quality. AC holes were drilled using a UDR650 drill rig supplied and operated by Amco Drilling. AC hole diameter was nominally 120mm.
Drill sample recovery	 Method of recording and assessing core and chip sample recoveries and results assessed. Measures taken to maximise sample recovery and ensure representative nature of the samples. 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 	 A qualitative estimate of sample recovery was done for each sample metre collected from the RC drill rig. Normal Drilling protocols were employed to ensure sample recovery was representative. Sample recovery and quality was assessed as adequate for the drilling techniques employed. No such relationship established at this point.
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. The total length and percentage of the relevant intersections logged. 	 All sample intervals were geologically logged by geologists. Where appropriate, geological logging recorded the abundance of specific minerals, rock types and weathering using a standardized logging system. Logging effectively quantitative in nature All sample material was logged and sampled.
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. For all sample types, the nature, quality and appropriateness of the sample preparation technique. Quality control procedures adopted for all subsampling stages to maximise representivity of samples. 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. Whether sample sizes are appropriate to the grain size of the material being sampled. 	 RC - All 1m samples were riffle split at the drill rig. DD holes were sampled by cutting the core in half length-wise down the core axis. AC - All 4m composite and 1m samples were scoop sampled at the drill rig. Trenches were sampled by continuous rock chipping along the base of the trench Routine sample duplicates were taken to evaluate whether samples were representative. Additional sample preparation was undertaken by SGS Bamako laboratory. At the laboratory, samples were weighed, dried and crushed to -2mm in a jaw crusher. A 1.5kg split of the crushed sample was subsequently pulverised in a ring mill to achieve a nominal particle size of 85% passing 75um. Sample sizes and laboratory preparation techniques are considered to be appropriate for this early stage exploration and the commodity being targeted.
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 applied and their derivation, etc. 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. 	 RC and DD - Analysis for gold was undertaken at SGS Bamako by 30g/50g Fire Assay with AAS finish to a lower detection limit of 0.01ppm. Fire assay is considered a "total" assay technique. AC - Analysis for gold was undertaken at SGS Bamako by 50g Fire Assay with AAS finish to a lower detection limit of 0.01ppm. Fire assay is considered a "total" assay technique. No geophysical tools or other non-assay instrument types were used in the analyses reported. QC data has not been investigated in detail. however, a review of standard reference material and sample blank data suggest there are no significant analytical bias or preparation errors. Results of analyses for field sample duplicates are consistent with the style of mineralisation being evaluated.
Verification of sampling and assaying	 The verification of significant intersections by either independent or alternative company personnel. The use of twinned holes. Documentation of primary data, data entry 	 Data was compiled and digitally captured by the project vendor. Twin holes were not utilized to verify results. Reported drill hole intercepts have been compiled by

Criteria	JORC Code explanation	Commentary
	procedures, data verification, data storage (physical and electronic) protocols. • Discuss any adjustment to assay data.	the Company's technical consultant utilising the digital data provided by the project vendor.There were no adjustments to assay data.
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. Specification of the grid system used. 	 Drill hole collars were set out in UTM grid WGS84_Zone29N Trenches, soil sampling points and rock chip points were located by hand held GPS in UTM grid
		 WGS84_Zone29N. All drill hole collars were positioned using hand held GPS. RC and DD drill holes are routinely surveyed for down hole deviation at approximately 30m spaced intervals down the hole.
	• Quality and adequacy of topographic control.	 A differential GPS (DGPS) survey has been undertaken to locate historic and current collar and trench locations Locational accuracy at collar and down the drill hole is considered appropriate for this early stage of exploration.
Data spacing and distribution	 Data spacing for reporting of Exploration Results. 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. Whether sample compositing has been applied. 	 RC and DD holes were drilled on variably spaced east-west orientated drill sections. RC and DD hole spacing on section varies between 10m to 50m. AC holes were drilled on variable spaced (between 800m to 1,500m spacing) east-west orientated drill sections. AC hole spacing on section was nominally 50m. A small portion of the drilling was infilled to 25m spacing on section to achieve adequate coverage in areas were holes were shallow. Soil sample were collected at a nominal grid spacing of 50m East x 200m North, samples were collected from the bottom of pits dug to 40cm depth. The reported drilling has not been used to estimate JORC-compliant mineral resources or reserves. Sample compositing was not applied.
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. 	 Exploration is at an early stage and the true orientation of mineralisation has not been confirmed at this stage. No assessment of sampling bias has been considered to this stage
Sample security	• The measures taken to ensure sample security.	 Samples were stored on site in a locked storage area prior to road transport by Company personnel to the laboratory in Bamako, Mali.
Audits or reviews	• The results of any audits or reviews of sampling techniques and data.	 There have been no external audit or review of the sampling techniques or data.

APPENDIX A. JORC 2012 Table 1 Reporting (cont.)

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. 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 reported data covers the Koussikoto Ouest Permit, which is held by Olive Mining SARL, a subsidiary of Mukuyu Resources. Tenure is in good standing.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	 The area which is presently covered by the permit areas was explored intermittently by Randgold Resources and Caracal Gold during the period 1990. To 2013. Exploration consisted of mapping and soil sampling. Mukuyu Resources, the project vendor, undertook exploration during the period 2013 to present, which included surface sampling, geophysical surveying, trenching and drilling.
Geology	 Deposit type, geological setting and style of mineralisation. 	 The deposit style targeted for exploration is lode gold. This style of mineralisation typically forms as veins or disseminations in altered host rock. Surficial geology within the project area consists of outcropping basement, indurated gravels forming plateau, and broad depositional plains consisting of colluvium and alluvial to approximately 2m vertical depth. Lateritic weathering is common within the project area. The depth to fresh rock is variable over the project permit.
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: 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 down hole length and interception depth 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. 	 Grid co-ordinates are UTM WGS84_29N Collar elevation is defined as height above sea level in metres (RL) Dip is the inclination of the hole from the horizontal. Azimuth is reported in WGS 84_29N degrees as the direction toward which the hole is drilled. Down hole length of the hole, as measured along the drill trace Intersection depth is the distance down the hole as measured along the drill trace. Intersection width is the down hole distance of an intersection as measured along the drill trace Hole length is the distance from the surface to the end of the hole drill trace
Data aggregation methods	 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. 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. The assumptions used for any reporting of metal equivalent values should be clearly stated. 	 Drill hole and trench intervals are reported from length weighted average sample assay results A minimum cut-off grade of 0.5 g/t Au is applied to the reported intervals. Maximum internal dilution is 2m within a reported interval. No grade top cut off has been applied. No metal equivalent reporting is used or applied.
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. 	 The reported results are from early stage exploration drilling; as such the orientation of geological structure is uncertain. Results are reported as down hole length, true width is

Criteria	JORC Code explanation	Commentary
	 If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known'). 	unknown.
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. 	Drill hole locations plans are included
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. 	 Results have been comprehensively reported in this announcement or previous announcements. Drill holes completed, including holes with no significant gold intersections, are reported or have been previously reported
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. 	Not applicable at this stage
Further work	 The nature and scale of planned further work (eg 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. 	 Follow up, including additional reconnaissance drilling, soil sampling, rock chip sampling and mapping, is currently being planned and prioritized.