

ASX/Media Announcement

29 July 2016

EXCEPTIONAL GOLD GRADES AT GARDEN GULLY

Thundelarra is pleased to announce that assays from hole TGGRC018, which yielded drill chips containing visible gold, confirm high grade gold mineralisation.

Highlight:

- > High grade gold intercept: 7m at 24.5 gpt Au from 11m downhole
 - o including: 1m at 59.7 gpt from 11m
 - o and 1m at 101.4 gpt from 13m
- > Repeat assay on the pulp of the 13m-14m sample reported 146.5 gpt Au



Figure 1. Visible gold in drill chips from Garden Gully project.

Given the high grade and nuggety nature of this mineralisation, Thundelarra personnel have resampled the relevant 1m intervals and submitted them for assay as well. The results will hopefully confirm the tenor of the mineralisation and thereby add confidence to the programme,

Assays currently pending include analysis of a suite of multi-elements that will assist in the interpretation of the nature of this mineralisation, which historically has been viewed as standard shear-hosted mineralisation in Archaean greenstone belts.

Upon completion of the programme and receipt of all relevant assay data, targets will be identified for deeper follow-up RC drilling. Exact drill collar locations and assay results from the holes drilled in the initial programme will be reported when all the relevant data has been received.



Figure 2. Location map of Garden Gully Project showing proximity to local plants and infrastructure. Scale: grid spacing is 25 km.

Hole TGGRC018 was collared at 644341E, 7070924N and was drilled at -60^o dip, 100^o azimuth.

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Competent Person Statement

The details contained in this report that pertain to Exploration Results, Mineral Resources or Ore Reserves, are based upon, and fairly represent, information and supporting documentation compiled by Mr Costica Vieru, a Member of the Australian Institute of Geoscientists and a full-time employee of the Company. Mr Vieru has sufficient experience which is relevant to the style(s) of mineralisation and type(s) of deposit under consideration 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" (JORC Code). Mr Vieru consents to the inclusion in this report of the matters based upon the information in the form and context in which it appears.

Appendix 1: Laboratory assay results: Fire Assay 50g charge after Aquia Regia digest with ICP analysis.

From	То	Width	Au(ppm)
0	5	5	0.23
5	8	3	0.19
8	12	4	0.09
11	12	1	59.69
12	13	1	0.72
13	14	1	101.42
14	15	1	7.57
15	16	1	1.37
16	17	1	0.14
17	18	1	0.52
18	19	1	0.02
19	20	1	0.05
20	21	1	0.06
21	22	1	0.01
22	26	4	0.06
26	30	4	0.17
30	33	3	0.13
33	34	1	0.08
34	38	4	0.00
38	42	4	0.01
42	46	4	0.02
46	50	4	0.02
50	54	4	0.01
54	55	1	0.09
55	59	4	0.03
59	63	4	0.04
63	67	4	0.04
67	68	1	0.02
68	69	1	0.01
69	70	1	0.03
70	71	1	0.03
71	72	1	0.02
72	73	1	0.02
73	74	1	0.03
74	75	1	0.03
75	76	1	0.01
76	77	1	0.02
77	78	1	0.01
78	80	2	0.01
80	81	1	0.01
81	85	4	0.00
85	89	4	0.00
89	93	4	0.00
93	96	3	0.01

Appendix 2: JORC Table 1 Checklist of Assessment and Reporting Criteria

Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code Explanation	Commentary
Sampling	Nature and quality of sampling (eg cut channels, random	RC sample was collected and split in even metre intervals
techniques	chips, or specific specialised industry standard measurement	where sample was dry. Wet sample was speared or on
	tools appropriate to the minerals under investigation, such	occasion scoop-sampled. RC drill chips from each metre
	as down-hole gamma sondes, or handheld XRF instruments,	were examined visually and logged by the geologist.
	etc). These examples should not be taken as limiting the	Evidence of alteration or the presence of mineralisation was
	broad meaning of sampling.	noted on the drill logs. Intervals selected by the site
	 Include reference to measures taken to ensure sample representivity and the appropriate calibration of any 	geologist were tested by hand-neid XKF and those reporting
	measurement tools or systems used	laboratory analysis
	Aspects of the determination of mineralisation that are	 Duplicate samples are submitted at a rate of
	material to the Public Report. In cases where 'industry	approximately 10% of total samples taken (ie one duplicate
	standard' work has been done this would be relatively	submitted for every 10 samples). The Delta XRF Analyser is
	simple (eg 'reverse circulation drilling was used to obtain 1m	calibrated before each session and is serviced according to
	samples from which 3 kg was pulverised to produce a 30g	the manufacturer's (Olympus) recommended schedule.
	charge for fire assay'). In other cases more explanation may	The presence or absence of mineralisation is initially
	be required, such as where there is coarse gold that has	determined visually by the site geologist, based on
	inherent sampling problems. Unusual commodities or	experience and expertise in evaluating the styles of
	mineralisation types (eg submarine nodules) may warrant	mineralisation being sought.
Delline	disclosure of detailed information.	Norman diamatan nanana sinulatian dulling using a Compo
Drilling	Drill type (eg core, reverse circulation, open-noie nammer,	Narrow diameter reverse circulation drilling using a Gemco
teeninques	core diameter triple or standard tube denth of diamond	600 cpm plus auxiliary hooster
	tails, face-sampling bit or other type, whether core is	
	oriented and if so, by what method, etc).	
Drill sample	Method of recording and assessing core and chip sample	Volume of material collected from each metre interval of
recovery	recoveries and results assessed.	drilling completed is monitored visually by the site geologist
	Measures taken to maximise sample recovery and ensure	and field assistants. Dry sample recoveries were estimated
	representative nature of the samples.	at ~95%. Wet sample recovery was lower, estimated to
	Whether a relationship exists between sample recovery	average ~40%.
	and grade and whether sample bias may have occurred due	 Samples were collected and dry sample split using a riffle and the sample split using a riffle
	to preferential loss/gain of line/coarse material.	 Based on the relatively small number of assays received
		to date, there is no evidence of either a recovery/grade
		relationship or of sample bias.
Logging	• Whether core and chip samples have been geologically	RC chips are logged visually by qualified geologists.
	and geotechnically logged to a level of detail to support	Lithology, and where possible structures, textures, colours,
	appropriate Mineral Resource estimation, mining studies	alteration types and minerals estimates, are recorded.
	and metallurgical studies.	 Representative chips are retained in chip trays for each
	• Whether logging is qualitative or quantitative in nature.	metre interval drilled.
	Core (or costean, channel, etc) photography.	I he entire length of each drillhole is logged and evaluated
	intersections logged	evaluateu.
Sub-sampling	If core, whether cut or sawn and whether quarter, half or	RC samples were collected and dry sample split using a
techniques	all core taken.	riffle splitter. Material too moist for effective riffle splitting
and sample	• If non-core, whether riffled, tube sampled, rotary split,	was sampled using a 4cm diameter spear. Sample submitted
preparation	etc and whether sampled wet or dry.	to the laboratory comprised three spear samples in different
	 For all sample types, the nature, quality and 	directions into the material for each metre interval.
	appropriateness of the sample preparation technique.	• The samples were sent to Nagrom in Perth for Au analysis
	Quality control procedures adopted for all sub-sampling	by FA50 (Fire Assay on 50g charge). Sample preparation
	stages to maximise representivity of samples.	techniques are well-established standard industry best
	 weasures taken to ensure that the sampling is representative of the in situ material collected including for 	practice techniques. Drill chips and core are dried, crushed and pulverised (whole sample) to 95% of the sample possing
	instance results for field dunlicate/second-half sampling	-75um grind size.
	Whether sample sizes are appropriate to the grain size of	Field QC procedures include using certified reference
	the material being sampled.	materials as assay standards. One duplicate sample is
		submitted for every 15 samples, approximately.

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. 	 Evaluation of the standards, blanks and duplicate samples assays appears to be falling within acceptable limits of variability. More certainty can be derived when all assays have been received. Sample representitivity and possible relationship between grain size and grade are being checked by resampling the relevant intervals and resubmitting new samples for assay. Sample size follows industry standard best practice and is considered appropriate for these style(s) of mineralisation. The assay techniques used for these assays are international standard and can be considered total. Samples were dried, crushed and pulverised to 95% passing -75µm and assayed for gold by 50g Fire Assay following an aqua regia digest, with digest solution analysed by ICP. The handheld XRF equipment used is an Olympus Delta XRF Analyser and Thundelarra follows the manufacturer's recommended calibration protocols and usage practices but does not consider XRF readings sufficiently robust for public reporting. Thundelarra uses the handheld XRF data as an indicator to support the selection of intervals for submission to laboratory that carried out the assays is an AQIS registered site and is ISO certified. It conducts its own internal QA/QC processes in addition to the QA/QC implemented by Thundelarra in the course of its sample submission procedures. Evaluation of the relevant data indicates satisfactory performance of the field sampling protocols in place and of the assay laboratory. The laboratory uses check samples and assay standards to complement the duplicate sampling procedures practiced by Thundelarra.
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 procedures, data verification, data storage (physical and electronic) protocols. Discuss any adjustment to assay data 	 All significant intersections are calculated and verified on screen and are reviewed by the CEO prior to reporting. The programme included no twin holes. Data is collected and recorded initially on hand-written logs with summary data subsequently transcribed in the field to electronic files that are then copied to head office. No adjustment to assay data has been needed
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. Quality and adequacy of topographic control. 	 Collar locations were located and recorded using handheld GPS (Garmin 62S model) with a typical accuracy of ±5m. Due to the short hole length and scout drilling nature of the programme, the only down-hole survey carried out is the dip at the end of the hole. No down-hole azimuth measured. The map projection applicable to the area is Australian Geodetic GDA94, Zone 50. Topographic control is based on standard industry practice of using the GPS readings. Local topography is relatively flat. Detailed altimetry is not warranted.
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. 	Not applicable: this announcement reports the assays from a single hole. Assays from the other holes in the programme are not yet received. Four metre composite sampling was applied to the hole. Zones where geological logging and/or XRF analyses indicated the presence of mineralised intervals were sample on one metre intervals.
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 	Not applicable: this announcement reports the assays from a single hole. Insufficient geological data exists yet to be able to establish true widths, orientation of lithologies, relationships between lithologies, or the nature of any structural controls.

	to have introduced a sampling bias, this should be assessed and reported if material.	
Sample security	The measures taken to ensure sample security.	• When all relevant intervals have been sampled, the samples are collected and transported by Company personnel to secure locked storage in Perth before delivery by Company personnel to the laboratory for assay.
Audits or	• The results of any audits or reviews of sampling	Not applicable. Assays not yet received.
reviews	techniques and data.	

Section 2 Reporting of Exploration Results

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

Criteria	JORC Code Explanation	Commentary
Mineral	• Type, reference name/number, location and ownership	The Garden Gully project comprises fourteen granted
tenement and	including agreements or material issues with third parties	prospecting licences P51/2909, P51/2910, P51/2911,
land tenure	such as joint ventures, partnerships, overriding royalties,	P51/2912, P51/2913, P51/2914, P51/2760, P51/2761,
status	native title interests, historical sites, wilderness or national	P51/2762, P51/2763, P51/2764, P51/2765, P51/2941,
	park and environmental settings.	P51/2948 and one granted exploration licence E51/1661,
		totalising approximately 65.5 square kilometres in area.
		THX holds a 100% interest in each lease. The project is
		partially located in the Yoothapina pastoral lease, 15km
	The security of the tenurs hold at the time of reporting	north of Weekatharra, in the Wurchison of WA.
	 The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence. 	 The licences are in good standing and there are no known impodiments to obtaining a licence to operate.
	to operate in the area	impediments to obtaining a neerce to operate.
Exploration	Acknowledgment and appraisal of exploration by other	• First workings in the Garden Gully area: 1895 - 1901 with
done by other	parties.	the Crown gold mine. 264 tonnes gold at 1.99 oz/t average
parties		(~ 56 g/t Au). Maximum depth~24m. Kyarra gold mine (1909
		– 1917): 18,790 oz gold from quartz veins in "strongly
		sheared, decomposed, sericite rich country rock".
		- Seltrust explored for Copper and Zinc from 1977, reporting
		stratigraphically controlled "gossanous" rock from chip
		sampling and drilling.
		- In 1988, Dominion gold exploration at Crown defined a
		>100ppb gold soil anomaly. RAB to 32m: "no significant
		mineralisation": drilling was "sub-parallel to the dip of
		mineralisation". Best intersection: 15m at 2.38g/t from 5m.
		- 1989 at Lydia: Julia Willes RAB drilled 50 m Intervals 100m
		12m at 5 16 g/t Au from 18m; 6m at 3 04 g/t Au from 18m
		No samples deeper than 24m due to poor recovery, so open
		at depth in the prospective shear zone. Julia also drilled
		shallow aircore at Crown mine, returned best intersection of
		2m at 0.4g/t Au from 34m in quartz veins in felsic volcanics.
		- In 1989, Matlock Mining explored North Granite Well and
		Nineteenth Hole. Best result 8m at 2.1 g/t Au. Supergene
		zone: grades to 3.17 g/t Au and still open.
		- 1993 – 2003: St Barbara Mines: RAB, RC on E51/1661. Gold
		associated with black shale (best: 1m at 0.64 g/t).
		- 1996, Australian Gold Resources RAB and RC drilling found
		Cu, Zn and Ag anomalies (up to 1800ppm Cu, 1650ppm Zn
		and 3.8 g/t Ag) associated with saprolitic clay and black challes at 60,80m doop on surrest Γ_{1}
		Sildies at 00-80m deep on current ESI/1001. 2001-2002 Gamen (Bellissing & Pad Bluff Name) transhad
		sampled manned and RC drilled at Grown Recults function
		n 19 g/t Δii) suggests the presence of gold mineralisation
		further to the east of Crown gold mine.
		- 2008 – 2009: Accent defined targets N and S of Nineteenth
		Hole from satellite imagery and airborne magnetics.
Geology	Deposit type, geological setting and style of	- The Garden Gully project lies on the south-eastern limb of
	mineralisation.	the Abbotts Greenstone Belt; comprised of Archaean rocks
		of the Greensleeves Formation (Formerly Gabanintha); a
		bimodal succession of komatiitic volcanic mafics and

		ultramafics overlain by felsic volcanics and volcaniclastic sediments, black shales and siltstones and interlayered with mafic to ultramafic sills. Regional synclinal succession trending N-NE with a northern fold closure postdating E-W synform, further transected by NE trending shear zones, linearity with the NE trend of the Abernathy Shear, which is a proven regional influence on structurally controlled gold emplacement in Abbotts and Meekatharra Greenstone Belts and in the Meekatharra Granite and associated dykes. - The Project is blanketed by broad alluvial flats, occasional lateritic duricrust and drainage channels braiding into the Garden Gully Drainage System. Bedrock exposures are limited to areas of dolerite, typically massive and unaltered. Small basalt and metasediment outcrops exist, with some exposures of gossanous outcrops and quartz vein scree. Gold bearing quartz reefs, veins and lodes occur almost exclusively as siliceous impregnations into zones within the Kyarra Schist Series, schistose derivatives of dolerites, gabbros and tuffs, typically occurring close to axial planes of folds and within anastomosing ductile shear zones.
Drill hole	A summary of all information material to the	This announcement relates to one drillhole only, details of
Information	understanding of the exploration results including a tabulation of the following information for all material drill	which are recorded in the body of the report.
	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	
	down hole length and interception depth	
	 hole length. If the evolution of this information is instituted 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.	
Data	In reporting Exploration Results, weighting averaging	All summary information is presented in Table 1. Full
methods	(eg cutting of high grades) and cut-off grades are usually	assay data are avallable in Appendix 1.
	material and should be stated.	
	 Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results. 	 Arithmetic weighted averages are used. For example, 11m to 18m in TGGRC118 is reported as 7m at 24.5gpt Au.
	the procedure used for such aggregation should be stated	This comprised 7 samples, each of 1m, calculated as follows:
	and some typical examples of such aggregations should be shown in detail	$[(1^{5}59.7)+(1^{*}0.7)+(1^{*}101.4)+(1^{*}7.6)+(1^{*}1.4)+(1^{*}0.1)+(1^{*}0.5)] = [171, 4/7] = 24$
	The assumptions used for any reporting of metal	 No metal equivalent values are used.
	equivalent values should be clearly stated.	
Kelationship between	 Inese relationships are particularly important in the reporting of Exploration Results. If the geometry of the 	Not applicable. These results refer to a single hole. True widths are unknown and insufficient information is available
mineralisation	mineralisation with respect to the drill hole angle is known,	yet to permit interpretation of geometry.
widths and	its nature should be reported.	
lengths	 In 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').	
Diagrams	Appropriate maps and sections (with scales) and tabulations of intercents should be included for any	 Relevant location maps and figures are included in the body of this appoundment
	significant discovery being reported. These should include,	sony of this announcement.
	but not be limited to, a plan view of drill hole collar	
Balanced	Ocations and appropriate sectional views. • Where comprehensive reporting of all Exploration	• This announcement includes the results of all Au assays for
reporting	Results is not practicable, representative reporting of both	this one hole. The reporting is comprehensive and thus by
	low and high grades and/or widths should be practiced to	definition balanced. It represents initial results of a larger
	avoid misleading reporting of Exploration Results.	programme to investigate the possible mineralisation at Garden Gully.
Other	• Other exploration data, if meaningful and material,	Not applicable. This announcement relates only to a single
substantive	should be reported including, but not limited to: geological	drillhole.

exploration	observations; geophysical survey results; geochemical	
data	survey results; bulk samples – size and 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	• Completion of the current drilling programme and receipt
	for lateral extensions or depth extensions or large-scale	of assay result will dictate the exact nature of any follow-up
	step-out drilling).	programmes. It is anticipated that it will include deeper RC
	 Diagrams clearly highlighting the areas of possible 	drill testing to evaluate the anomalies and new targets
	extensions, including the main geological interpretations	identified from the current drilling programme.
	and future drilling areas, provided this information is not	
	commercially sensitive.	

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