

**Fast Facts**

ASX Code: EMR  
Shares on issue: 498,766,677  
Market Cap: ~\$234 million

**Board & Management**

Simon Lee AO, Non-Executive Chairman  
Morgan Hart, Managing Director  
Mick Evans, Executive Director  
Ross Stanley, Non-Executive Director  
Ross Williams, Non-Executive Director  
Mark Clements, Company Secretary  
Brett Dunnachie, Chief Financial Officer

**Company Highlights**

- First mover in an emerging gold province in Cambodia;
- Mineral Investment Agreement and Industrial Mining Licence granted over the Okvau Gold Project (100% owned) allowing for the development of the Okvau Deposit;
- Okvau Deposit: Indicated and Inferred Mineral Resource Estimate of 1.14Moz at 2.0g/t Au;
- DFS completed and demonstrates high grade, low cost, compelling development economics:
  - Ore Reserve of 14.3Mt & 2.0g/t Au for 0.9Moz (refer Table 2) in a single open pit with waste:ore ratio of 5.8:1;
  - LOM average annual production of 106,000ozs pa;
  - AISC US\$754/oz over LOM;
  - Using US\$1.450/oz Au gold price:
    - NPV<sub>(5%)</sub> US\$337M pre-tax and US\$238M post-tax;
    - IRR 69% pa pre-tax and 57% post-tax;
    - Payback ~1.4 years pre-tax and 1.7 years post-tax.
- Highly credentialed gold project development team;
- Significant resource growth potential.

**Registered Office**

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## Okvau Gold Project – Pre-Production Grade Control Drilling Update

**Emerald Resources NL (ASX: EMR)** ("Emerald") is pleased to provide results from the pre-production grade control drill programme to delineate the oxide mineralised domain at the Okvau Gold Deposit in advance of mining commencement in October 2020.

### Highlights

- **High grade intersections continue from recent drill programme (confirming current Reserve blocks)(refer Appendix 1 for complete results):**
  - 2m @ 42.78g/t gold from 8m (G52003) (EOH);
  - 10m @ 5.49g/t gold from 0m (G24027) (EOH);
  - 10m @ 3.65g/t gold from 0m (G50008) (EOH);
  - 16m @ 2.17g/t gold from 0m (G28010);
  - 4m @ 8.40g/t gold from 2m (G45029);
- **Significant additional mineralisation outside current Reserve blocks (refer Appendix 1 for complete results):**
  - 5m @ 7.57g/t gold from 0m (G24049);
  - 9m @ 4.20g/t gold from 0m (G32020);
  - 9m @ 3.70g/t gold from 0m (G36017) (EOH);
  - 2m @ 14.48g/t gold from 7m (G20004) (EOH);
  - 7m @ 4.02g/t gold from 0m (G35017) (EOH);
  - 7m @ 3.57g/t gold from 0m (G36015) (EOH).
- **Results received from initial holes of pre-production grade control drilling programme include (Refer ASX Announcement dated 16 January 2020):**
  - 5m @ 9.26g/t gold from 5m (G53001) (EOH)\*;
  - 9m @ 4.82g/t gold from 0m (G47009) (EOH);
  - 9m @ 4.06g/t gold from 0m (G47011) (EOH);
  - 7m @ 4.96g/t gold from 3m (G43062)\*;
  - 9m @ 3.70g/t gold from 0m (G47010) (EOH);
  - 9m @ 3.53g/t gold from 0m (G45030) (EOH);
  - 7m @ 4.40g/t gold from 0m (G41045).

\* Intersections outside current reserve blocks

Managing Director, Morgan Hart said: "The results to date strongly support the DFS Ore Reserve estimate in the area tested and adds to our confidence in our ability to reconcile reserve grade and ounces (during operations) with the intended mining equipment type, scale of operation and grade control methodology."

"In addition the results allow Emerald to refine mining schedules at Okvau to optimise the ore available for feed on project commissioning and early operations whilst identifying suitable waste material for the construction of the tailings dam, ROM pad and associated earthworks infrastructure."

## Okvau Gold Deposit – Grade Control Drilling Results

Emerald has continued to progress through the final phase of pre-production grade control drilling to define the mineralised domain in the stage 1 pit design. The programme is designed to infill previous drilling to a 5m by 5m spacing (refer Figure 1) and delineate the mineralisation in the oxide portion of the Okvau Gold Project (refer Figures 2 and 3).

The drill programme was initially planned 1,200 shallow holes (~10m) but due to additional ore being defined it has been expanded to 1,824 drill collars (14,611m).

Select results (+20gm) from these holes include (refer Appendix 1):-

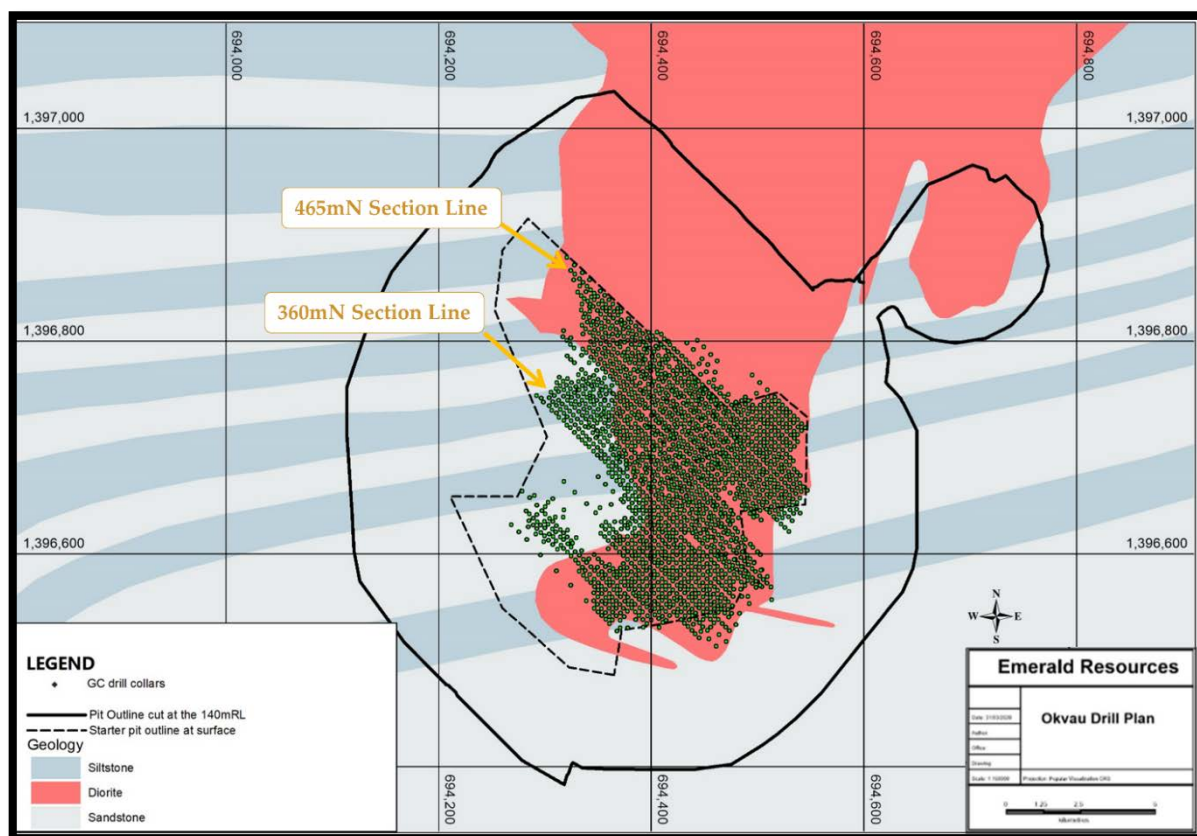
- **2m @ 42.78g/t from 8m (G52003) (EOH);**
- **10m @ 5.49g/t from 0m (G24027) (EOH)**
- **5m @ 9.26g/t from 5m (G53001) (EOH)\*;**
- **9m @ 4.82g/t from 0m (G47009) (EOH)\*;**
- **5m @ 7.57g/t from 0m (G24049);**
- **9m @ 4.20g/t from 0m (G32020) (EOH);**
- **9m @ 4.06g/t from 0m (G47011) (EOH)\*;**
- **10m @ 3.65g/t from 0m (G50008) (EOH);**
- **7m @ 4.96g/t from 3m (G43062)\*;**
- **16m @ 2.17g/t from 0m (G28010);**
- **4m @ 8.40g/t from 2m (G45029);**
- **9m @ 3.70g/t from 0m (G47010) (EOH)\*;**
- **9m @ 3.70g/t from 0m (G36017) (EOH);**
- **9m @ 3.53g/t from 0m (G45030) (EOH)\*;**
- **7m @ 4.40g/t from 0m (G41045)\*;**
- **0.5m @ 59.50g/t from 6m (G35008) EOH)\*;**
- **2m @ 14.48g/t from 7m (G20004) (EOH);**
- **7m @ 4.02g/t from 0m (G35017) (EOH);**
- **2m @ 13.78g/t from 0m (G39030)\*;**
- **10m @ 2.75g/t from 0m (G39032) (EOH)\*;**
- **10m @ 2.62g/t from 0m (G41021)\*;**
- **10m @ 2.52g/t from 0m (G49010) (EOH)\*;**
- **7m @ 3.57g/t from 0m (G36015) (EOH);**
- **3m @ 8.27g/t from 5m (G44041) (EOH);**
- **8m @ 3.01g/t from 0m (G34017) (EOH);**
- **7m @ 3.43g/t from 2m (G18022) (EOH);**
- **14m @ 1.72g/t from 3m (G28011);**
- **9m @ 2.65g/t from 0m (G45018) (EOH)\*;**
- **8m @ 2.90g/t from 0m (G42028);**
- **4m @ 5.77g/t from 4m (G44036);**
- **7m @ 3.29g/t from 0m (G36016) (EOH);**
- **8m @ 2.78g/t from 0m (G43043)\*;**
- **3m @ 7.35g/t from 0m (G03004)\*;**
- **8m @ 2.73g/t from 0m (G10022);**
- **7.5m @ 2.81g/t from 0m (G37015) (EOH)\*;**
- **10m @ 2.09g/t from 0m (G46008) (EOH);**
- **9m @ 2.25g/t from 0m (G42012) (EOH)\*;**
- **6m @ 3.37g/t from 0m (G37020)\*;**

\* Previously announced intersections (Refer ASX Announcements dated 13 January 2020),

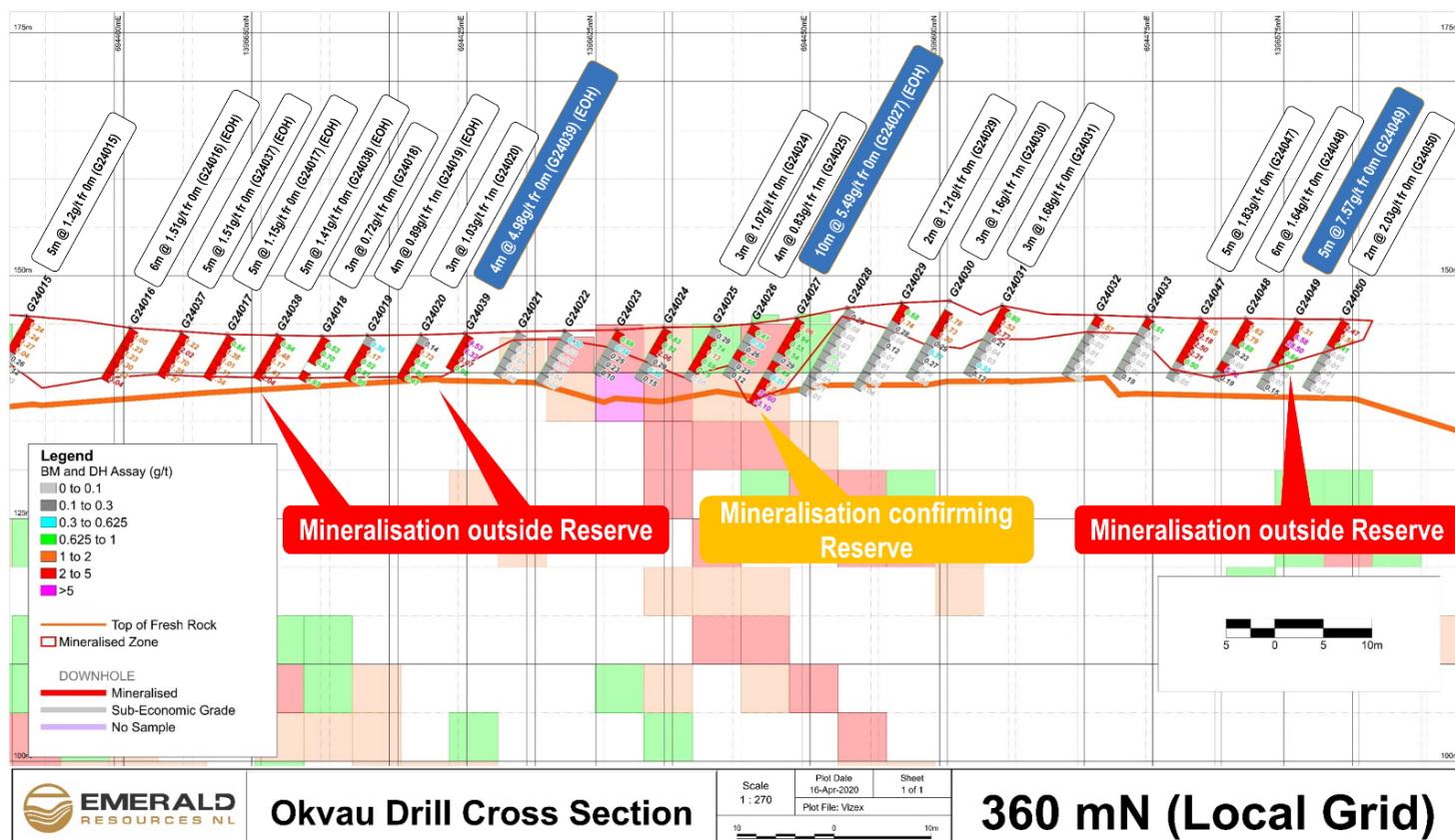
The results from the previously announced Phase 1 and Phase 2 simulated grade control drill programmes (refer ASX announcements dated 27 December 2017, 10 January 2018, 3 October 2018 and 24 October 2018) will be incorporated with the results from this current drill programme to produce the final production ore blocks.

The results to date indicate additional mineralisation outside the current reserve blocks in the near surface oxide material (refer Figure 2 and 3). This has likely been caused by a combination of natural processes such as supergene enrichment and the flattening of mineralised structures during the oxidation processes and the relocation of surface material by historical, artisanal mining activities.

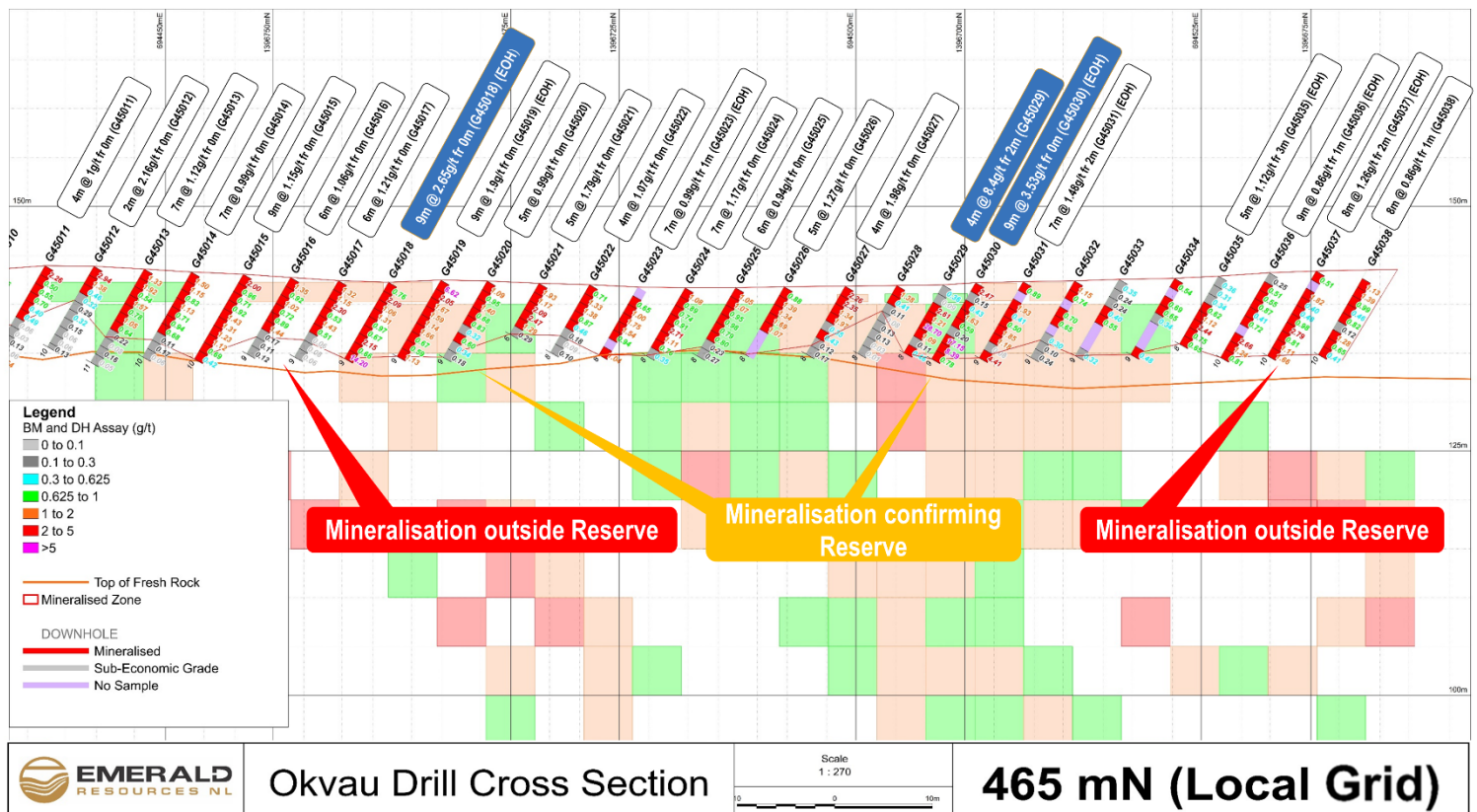
**Figure 1 | Drill Hole Plan**



**Figure 2 | Drill Cross Sections of 360mN (Local Grid) with significant intercepts**



**Figure 3 | Drill Cross Sections of 465mN with significant intercepts**



This ASX release was authorised on behalf of the Emerald Board by: Morgan Hart, Managing Director.

For further information please contact  
 Emerald Resources NL

**Morgan Hart**  
 Managing Director



## Cambodian Gold Project

### Summary

Emerald's main focus is the exploration and development of its Cambodian Gold Projects which comprise of a combination of 100% owned granted exploration licences and earn-in & joint venture agreements covering a combined area of 1,426 km<sup>2</sup>. The 100% owned Okvau Gold Project ('Okvau Gold Project') is the Company's most advanced project which is located approximately 275 kilometres north-east of Cambodia's capital city of Phnom Penh in the province of Mondul Kiri (refer Figures 4 and 5). The town of Kratie is located on the Mekong River approximately 90 kilometres to the west and the capital of Mondul Kiri, Saen Monourom is located approximately 60km to the south-east. In May 2017, Emerald completed a Definitive Feasibility Study ('DFS') on the development of the Okvau Gold Project which demonstrated a robust project producing approximately 106,000 ounces of gold per annum on average over 7 years from a single open pit.

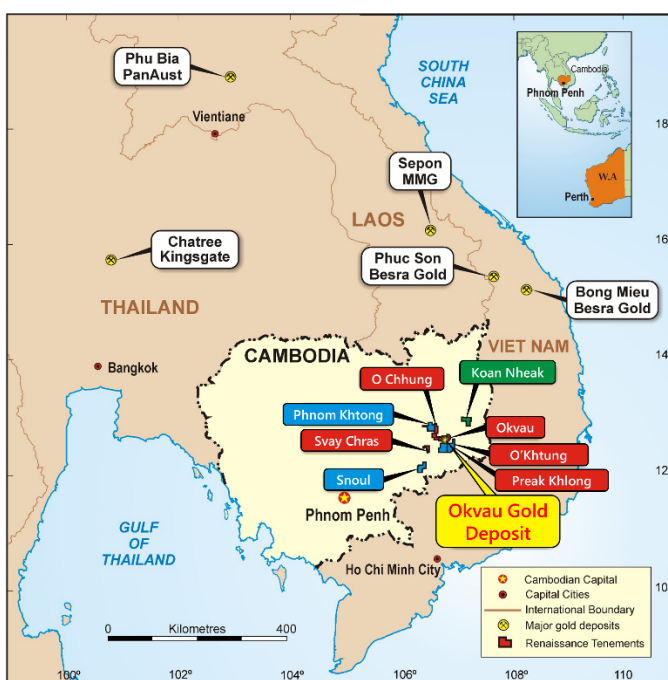
In July 2018, the Company was granted the Industrial Mining Licence covering 11.5 km<sup>2</sup> which allows for the development of the Okvau Gold Project. The Mining Licence has an initial 15 year period with the right to two renewals of up to 10-years for each renewal in accordance with Cambodian laws. The grant of the Mining Licence followed approval of the Okvau Gold Project by the Office of Council Ministers for both the rezoning of the project area to 'Sustainable Use' within the Phnom Prich Wildlife Sanctuary ('PPWS') and the granting of the Mining Licence. The rezoning of the Mining Licence area to 'Sustainable Use' lawfully permits commercial development under Cambodian law and follows the successful negotiation and approval by the Minister of Environment ('MoE') of the environmental contract (the 'Environmental Contract') and environmental licence ('Environmental Licence') in December 2017.

The Company has successfully completed the resettlement of 62 local families and site works to remove abandoned structures away from the Okvau Mining Licence area. Emerald has completed the installation of a security fence around the Project Development Area ("PDA") to ensure the safety of personnel, visitors and wildlife. Construction of a 35 tonne bridge across the Prek Te River has now been completed with substantial completion of upgrades to the existing 50km of dirt roads and current finalisation of the construction of 14km of new road to site which will allow for all year continuous access to the Okvau site.

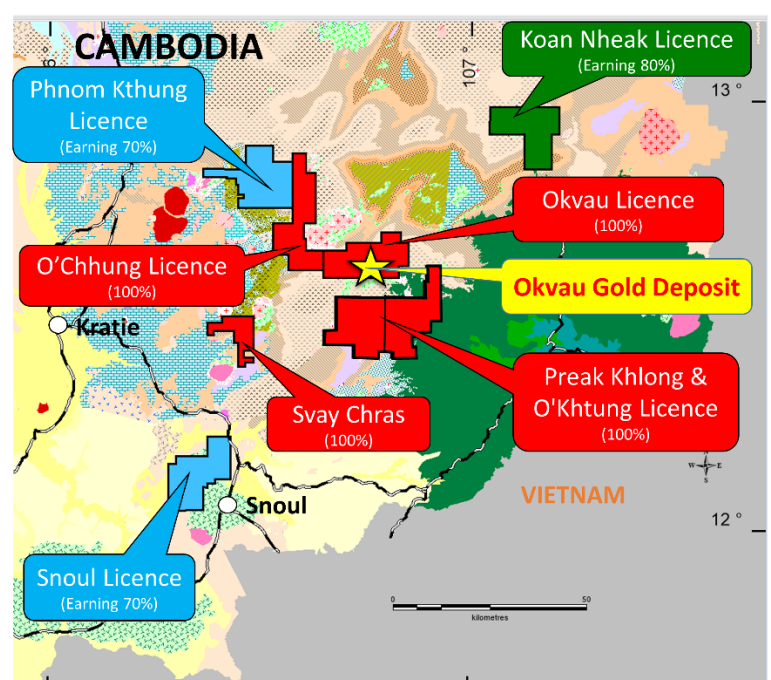
Topography of the tenure area is relatively flat with low relief of 80 metres to 200 metres above sea level. The Okvau Deposit and other gold occurrences within the tenure are directly associated with diorite and granodiorite intrusions and are best classed as Intrusive Related Gold mineralisation. Exploration to date has demonstrated the potential for large scale gold deposits with the geology and geochemistry analogous to other world class Intrusive Related Gold districts, in particular the Tintina Gold Belt in Alaska (Donlin Creek 38Moz, Pogo 6Moz, Fort Knox 10Moz, Livengood 20Moz).

In December 2019 the Mineral Investment Agreement ('MIA') was signed which provides certainty and stability of the fiscal regime for the development and operations of the Okvau Gold Project. Following confirmation of the key fiscal incentives of the MIA, the key assumptions and inputs of the DFS were reviewed resulting in a significant improvement in the NPV and IRR of the Project.

**Figure 4 | Cambodian Gold Project | Location**



**Figure 5 | Cambodian Gold Project | Exploration Licence Areas**



### **Forward Looking Statement**

This announcement contains certain forward-looking statements. These forward-looking statements are not historical facts but rather are based on the Company's current expectations, estimates and projections about the industry in which Emerald Resources operates, and beliefs and assumptions regarding the Company's future performance. Words such as "anticipates", "expects", "intends", "plans", "believes", "seeks", "estimates", "potential" and similar expressions are intended to identify forward-looking statements. These statements are not guarantees of future performance and are subject to known or unknown risks, uncertainties and other factors, some of which are beyond the control of the Company, are difficult to predict and could cause actual results to differ materially from those expressed or forecasted in the forward-looking statements, which reflect the view of Emerald Resources only as of the date of this announcement. The forward-looking statements made in this release relate only to events as of the date on which the statements are made. Emerald Resources will not undertake any obligation to release publicly any revisions or updates to these forward-looking statements to reflect events, circumstances or unanticipated events occurring after the date of this announcement except as required by law or by any appropriate regulatory authority.

This announcement has been prepared in compliance with the current JORC Code 2012 Edition and the ASX listing Rules. All material assumptions on which the forecast financial information is based have been included in this announcement.

The Company believes that it has a reasonable basis for making the forward-looking statements in this announcement, including with respect to any production targets and financial estimates, based on the information contained in this announcement. All material assumptions underpinning the production target or the forecast financial information continue to apply and have not materially changed.

100% of the production target referred to in the 1 May 2017 and 26 November 2019 announcements are based on Probable Ore Reserves.

Emerald has a highly experienced management team, undoubtedly one of the best credentialed gold development teams in Australia with a proven history of developing projects successfully, quickly and cost effectively. They are a team of highly competent mining engineers and geologists who have overseen the successful development of gold projects in developing countries such as the Bonikro Gold Project in Cote d'Ivoire for Equigold NL and more recently, Regis Resources Ltd.

The Company believes it has a reasonable basis to expect to be able to fund and develop the Okvau Gold Project for the reason set out above and in this announcement. However, there is no certainty that the Company can raise funding when required.

### **Competent Persons Statements**

The information in this report that relates to Exploration and Grade Control Results is based on information compiled by Mr Keith King, who is an employee to the Company and who is a Member of The Australasian Institute of Mining & Metallurgy. Mr Keith King has sufficient experience which is relevant to the style of mineralisation and type of deposits 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'. Mr Keith King has reviewed the contents of this release and consents to the inclusion in this announcement of all technical statements based on his information in the form and context in which it appears.

The information in this report that relates to the Mineral Resources for the Okvau Gold Deposit was prepared by EGRM Consulting Pty Ltd, Mr Brett Gossage, who is a consultant to the Company, who is a Member of the Australasian Institute of Mining & Metallurgy (AIG), and has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined by the 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Gossage has reviewed the contents of this news release and consents to the inclusion in this announcement of all technical statements based on his information in the form and context in which it appears.

Information in this announcement that relates to Ore Reserves for the Okvau Gold Deposit is based on, and fairly represents, information and supporting documentation prepared by Mr Glenn Williamson, an independent specialist mining consultant. Mr Williamson is a Member of the Australasian Institute of Mining & Metallurgy. Mr Williamson has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person (or "CP") as defined in the 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Williamson has reviewed the contents of this news release and consents to the inclusion in this announcement of all technical statements based on his information in the form and context in which it appears.

**Table 1 | Okvau Mineral Resource Estimate**

Okvau Mineral Resource Estimate									
Cut-off (Au)	Indicated Resource			Inferred Resource			Total Resource		
	Tonnage (Mt)	Grade (g/t)	Contained Au (Koz)	Tonnage (Mt)	Grade (g/t)	Contained Au (Koz)	Tonnage (Mt)	Grade (g/t)	Contained Au (Koz)
0.70	15.11	2.08	1,008	2.57	1.61	133	17.68	2.01	1,141

The Project has a JORC Ore Reserve (Probable) estimate of 14.26Mt @ 1.98g/t Au for 907,000 ounces gold (refer Table 2).

**Table 2 | Okvau Ore Reserve Estimate**

Okvau Mineral Resource Estimate			
	Tonnage (Mt)	Grade (g/t Au)	Contained Au (Koz)
Probable Ore Reserve	14.26Mt	1.98g/t Au	907koz

Refer ASX announcements of 1 May 2017 and 26 November 2019.

## Appendix One | Significant Intercepts from Drill Programme

Hole Name	Easting	Northing	RL	Azi	Dip	End Depth (m)	From (m)	To (m)	Interval (m)	Gold (g/t)
G01002	694,350	1,396,545	159	315	-60	9	1	5	4	1.02
G01004	694,357	1,396,539	159	315	-60	11	0	4	4	0.64
G01018	694,311	1,396,584	161	315	-60	6	0	3	3	1.37
G02004	694,357	1,396,545	159	315	-60	7	0	5	5	1.32
G02005	694,360	1,396,541	158	315	-60	6	0	5	5	0.91
G03006	694,364	1,396,545	158	315	-60	10	0	9	9	0.82
G03007	694,367	1,396,541	158	315	-60	10	0	3	3	0.73
G03015	694,291	1,396,619	159	315	-60	11	0	3	3	3.79
G04003	694,292	1,396,624	158	315	-60	7	0	1	1	2.59
G04004	694,296	1,396,620	159	315	-60	11	0	1	1	3.16
G04005	694,300	1,396,617	160	315	-60	5	2	5	3	1.28
G04006	694,303	1,396,613	161	315	-60	13	0	2	2	1.36
G04009	694,332	1,396,584	161	315	-60	8	0	2	2	1.85
G04010	694,336	1,396,580	161	315	-60	5	0	4	4	0.99
G05006	694,304	1,396,619	160	315	-60	10	0	7	7	1.89
G05007	694,308	1,396,616	161	315	-60	13	9	12	3	1.21
G05011	694,321	1,396,602	161	315	-60	14	0	4	4	2.14
G05018	694,346	1,396,576	160	315	-60	6	0	3	3	0.73
G05019	694,350	1,396,573	159	315	-60	11	0	3	3	0.91
G05020	694,353	1,396,569	158	315	-60	10	0	6	6	1.57
G06006	694,307	1,396,623	160	315	-60	12	0	7	7	1.26
G06009	694,317	1,396,614	161	315	-60	5	0	3	3	0.77
G06010	694,322	1,396,609	161	315	-60	14	13	14	1	15.85
G06018	694,351	1,396,581	160	315	-60	12	3	5	2	1.16
G06019	694,354	1,396,577	159	315	-60	11	0	2	2	1.73
G06023	694,368	1,396,563	156	315	-60	7	0	3	3	0.71
G06024	694,371	1,396,560	155	315	-60	7	0	7	7	0.91
G07015	694,326	1,396,610	161	315	-60	19	13	18	5	2.38
G07017	694,335	1,396,603	161	315	-60	17	0	2	2	4.87
G07017	694,335	1,396,603	161	315	-60	17	11	13	2	1.44
G07019	694,341	1,396,595	161	315	-60	17	0	8	8	0.87
G07022	694,353	1,396,583	159	315	-60	5	0	3	3	0.85
G07028	694,375	1,396,563	155	315	-60	12	0	6	6	0.69
G07030	694,382	1,396,556	154	315	-60	11	0	4	4	0.66
G08012	694,321	1,396,622	161	315	-60	18	1	4	3	1.69
G08015	694,329	1,396,615	161	315	-60	16	0	2	2	1.26
G08015	694,329	1,396,615	161	315	-60	16	14	16	2	1.04
G08019	694,346	1,396,599	157	315	-60	14	1	5	4	0.98
G08020	694,350	1,396,595	157	315	-60	5	0	5	5	0.72
G08026	694,372	1,396,574	156	315	-60	13	0	3	3	1.51
G08027	694,375	1,396,570	155	315	-60	12	0	5	5	0.90
G08028	694,379	1,396,567	155	315	-60	12	0	8	8	0.88
G08029	694,383	1,396,563	155	315	-60	11	1	11	10	0.65
G09017	694,360	1,396,590	158	315	-60	9	0	3	3	1.09
G09027	694,396	1,396,556	154	315	-60	11	4	5	1	9.00



G09030	694,407	1,396,545	154	315	-60	28	0	2	2	2.03
G09030	694,407	1,396,545	154	315	-60	28	25	28	3	3.25
G10021	694,378	1,396,581	155	315	-60	12	0	8	8	1.94
G10022	694,381	1,396,577	154	315	-60	11	0	8	8	2.73
G10023	694,385	1,396,573	154	315	-60	11	0	10	10	0.91
G10024	694,389	1,396,570	154	315	-60	11	0	11	11	0.91
G10025	694,392	1,396,566	154	315	-60	11	0	4	4	0.64
G10026	694,396	1,396,563	154	315	-60	11	0	4	4	1.21
G10027	694,399	1,396,559	154	315	-60	10	6	7	1	2.36
G10028	694,403	1,396,556	154	315	-60	10	0	4	4	1.01
G11020	694,417	1,396,550	153	315	-60	10	4	5	1	2.50
G11026	694,438	1,396,528	151	315	-60	5	0	2	2	1.50
G11027	694,441	1,396,525	151	315	-60	5	0	3	3	1.61
G11028	694,445	1,396,521	151	315	-60	5	1	4	3	1.75
G12002	694,356	1,396,616	149	315	-60	8	0	3	3	1.38
G12003	694,360	1,396,612	150	315	-60	7	2	5	3	1.14
G12004	694,364	1,396,609	150	315	-60	9	3	8	5	1.02
G12009	694,381	1,396,591	151	315	-60	8	0	5	5	1.41
G12010	694,385	1,396,588	152	315	-60	9	0	5	5	1.29
G12011	694,388	1,396,584	152	315	-60	8	0	7	7	0.88
G12012	694,392	1,396,581	152	315	-60	9	0	9	9	0.86
G12013	694,396	1,396,577	152	315	-60	9	0	5	5	0.83
G12015	694,403	1,396,570	153	315	-60	10	0	4	4	0.88
G12016	694,407	1,396,566	153	315	-60	10	5	8	3	2.58
G12020	694,421	1,396,552	153	315	-60	10	0	4	4	0.64
G12021	694,425	1,396,548	153	315	-60	7	1	3	2	1.48
G12022	694,428	1,396,545	152	315	-60	9	0	3	3	0.79
G12024	694,435	1,396,538	151	315	-60	7	0	3	3	0.83
G12025	694,440	1,396,534	150	315	-60	7	0	3	3	1.29
G12027	694,447	1,396,527	151	315	-60	7	0	3	3	1.14
G13019	694,417	1,396,563	153	315	-60	10	0	2	2	1.06
G13021	694,424	1,396,556	153	315	-60	9	1	7	6	1.69
G13023	694,432	1,396,549	152	315	-60	9	0	4	4	1.54
G13026	694,442	1,396,538	150	315	-60	5	0	3	3	0.78
G13027	694,445	1,396,535	150	315	-60	5	2	4	2	1.40
G13028	694,449	1,396,531	150	315	-60	6	0	3	3	1.04
G14003	694,364	1,396,623	147	315	-60	9	0	3	3	0.87
G14004	694,367	1,396,620	147	315	-60	8	0	8	8	0.66
G14005	694,371	1,396,616	146	315	-60	7	0	7	7	1.06
G14006	694,374	1,396,613	147	315	-60	9	2	9	7	0.77
G14010	694,388	1,396,598	149	315	-60	10	1	3	2	2.09
G14011	694,392	1,396,595	149	315	-60	11	2	4	2	1.12
G14012	694,395	1,396,591	149	315	-60	11	6	10	4	1.11
G14016	694,410	1,396,577	152	315	-60	15	0	8	8	1.17
G14018	694,417	1,396,570	153	315	-60	16	0	4	4	1.53
G14020	694,424	1,396,562	153	315	-60	10	0	4	4	0.98
G14021	694,427	1,396,559	153	315	-60	10	0	5	5	0.79
G14022	694,431	1,396,555	153	315	-60	9	0	4	4	0.78
G14023	694,434	1,396,552	152	315	-60	9	1	4	3	4.06
G14028	694,456	1,396,531	150	315	-60	6	0	3	3	0.72

G14034	694,348	1,396,639	156	315	-60	8	0	3	3	0.91
G15004	694,366	1,396,630	146	315	-60	9	3	4	1	2.70
G15006	694,372	1,396,623	146	315	-60	7	0	6	6	1.09
G15014	694,400	1,396,595	148	315	-60	10	1	6	5	0.61
G15015	694,403	1,396,592	149	315	-60	10	6	7	1	2.36
G15016	694,406	1,396,589	150	315	-60	11	8	10	2	1.07
G15018	694,413	1,396,581	152	315	-60	17	7	9	2	1.02
G15019	694,417	1,396,578	153	315	-60	11	0	3	3	0.73
G15020	694,420	1,396,575	153	315	-60	11	0	5	5	0.76
G15021	694,424	1,396,570	154	315	-60	11	0	5	5	1.07
G15023	694,431	1,396,563	153	315	-60	10	0	6	6	1.62
G15024	694,435	1,396,559	153	315	-60	10	0	4	4	0.94
G15025	694,438	1,396,556	152	315	-60	9	0	4	4	1.56
G15026	694,442	1,396,552	151	315	-60	7	2	4	2	1.35
G15027	694,445	1,396,549	150	315	-60	7	2	5	3	1.55
G15028	694,449	1,396,545	150	315	-60	6	1	4	3	1.13
G15029	694,452	1,396,542	149	315	-60	6	1	6	5	0.94
G16006	694,375	1,396,627	145	315	-60	7	0	4	4	1.32
G16007	694,378	1,396,624	145	315	-60	7	1	7	6	1.26
G16013	694,400	1,396,601	148	315	-60	10	1	5	4	0.83
G16014	694,403	1,396,598	148	315	-60	10	0	8	8	1.27
G16017	694,413	1,396,587	151	315	-60	14	0	5	5	0.96
G16019	694,420	1,396,580	153	315	-60	11	0	3	3	1.87
G16020	694,424	1,396,577	153	315	-60	11	0	4	4	3.48
G16021	694,428	1,396,573	154	315	-60	10	0	5	5	0.85
G16022	694,431	1,396,569	153	315	-60	10	0	6	6	1.45
G16023	694,435	1,396,566	153	315	-60	10	2	6	4	2.02
G16024	694,438	1,396,563	152	315	-60	9	2	5	3	1.20
G16025	694,442	1,396,559	152	315	-60	8	1	4	3	1.14
G16026	694,445	1,396,556	151	315	-60	7	0	4	4	1.27
G16027	694,449	1,396,552	150	315	-60	7	0	5	5	1.13
G16028	694,452	1,396,549	150	315	-60	6	1	3	2	1.50
G16029	694,456	1,396,545	149	315	-60	6	1	5	4	1.30
G16030	694,463	1,396,538	149	315	-60	6	0	6	6	0.95
G17001	694,362	1,396,646	154	315	-60	12	0	2	2	2.51
G17005	694,378	1,396,630	145	315	-60	6	0	4	4	1.75
G17006	694,380	1,396,628	145	315	-60	6	1	6	5	1.64
G17007	694,384	1,396,624	145	315	-60	6	0	6	6	1.16
G17014	694,410	1,396,599	149	315	-60	10	0	3	3	0.72
G17015	694,413	1,396,595	150	315	-60	10	0	4	4	0.66
G17016	694,417	1,396,592	151	315	-60	14	1	5	4	0.85
G17018	694,424	1,396,584	153	315	-60	10	0	3	3	2.61
G17019	694,427	1,396,580	153	315	-60	10	0	4	4	1.30
G17020	694,431	1,396,576	153	315	-60	10	0	5	5	1.11
G17022	694,438	1,396,570	153	315	-60	9	2	7	5	1.10
G17023	694,441	1,396,566	152	315	-60	9	2	5	3	0.96
G17024	694,445	1,396,563	151	315	-60	8	0	5	5	1.01
G17027	694,456	1,396,552	150	315	-60	6	1	6	5	0.79
G17029	694,463	1,396,545	149	315	-60	6	0	5	5	0.72
G18006	694,385	1,396,631	144	315	-60	6	0	5	5	1.79

G18010	694,399	1,396,616	146	315	-60	7	0	4	4	0.98
G18011	694,403	1,396,612	146	315	-60	8	2	5	3	0.88
G18012	694,407	1,396,608	147	315	-60	8	4	7	3	1.01
G18015	694,417	1,396,598	150	315	-60	11	0	4	4	1.43
G18016	694,420	1,396,595	151	315	-60	9	0	4	4	0.95
G18017	694,424	1,396,591	152	315	-60	10	0	2	2	2.48
G18018	694,428	1,396,587	153	315	-60	10	0	4	4	2.04
G18019	694,431	1,396,584	153	315	-60	10	0	4	4	1.72
G18020	694,435	1,396,581	153	315	-60	10	0	4	4	0.76
G18021	694,438	1,396,577	153	315	-60	9	0	5	5	1.96
G18022	694,442	1,396,573	152	315	-60	9	2	9	7	3.43
G18023	694,445	1,396,570	152	315	-60	8	2	5	3	0.70
G18024	694,449	1,396,566	151	315	-60	7	0	7	7	0.74
G18028	694,463	1,396,551	149	315	-60	5	2	4	2	1.48
G18029	694,466	1,396,548	148	315	-60	4	0	4	4	1.31
G19001	694,372	1,396,651	151	315	-60	16	12	16	4	1.47
G19003	694,379	1,396,644	148	315	-60	15	11	15	4	2.10
G19013	694,413	1,396,610	146	315	-60	18	0	13	13	1.34
G19014	694,416	1,396,606	147	315	-60	19	2	7	5	1.27
G19016	694,424	1,396,599	150	315	-60	14	0	2	2	1.10
G19018	694,431	1,396,592	152	315	-60	9	1	2	1	3.87
G19020	694,438	1,396,584	152	315	-60	9	0	2	2	1.52
G19024	694,452	1,396,569	151	315	-60	7	2	5	3	1.06
G19026	694,458	1,396,562	150	315	-60	7	0	7	7	1.03
G19028	694,469	1,396,551	148	315	-60	11	0	9	9	0.92
G19031	694,357	1,396,666	151	315	-60	16	0	3	3	0.71
G19031	694,357	1,396,666	151	315	-60	16	6	9	3	0.91
G19033	694,465	1,396,555	149	315	-60	11	9	11	2	3.43
G20001	694,375	1,396,655	149	315	-60	11	0	3	3	1.41
G20003	694,382	1,396,648	147	315	-60	11	0	2	2	1.03
G20004	694,386	1,396,644	146	315	-60	9	1	2	1	2.06
G20004	694,386	1,396,644	146	315	-60	9	7	9	2	14.48
G20005	694,389	1,396,641	145	315	-60	5	0	4	4	1.05
G20006	694,392	1,396,638	144	315	-60	5	0	5	5	1.41
G20008	694,400	1,396,630	144	315	-60	5	0	5	5	0.90
G20009	694,403	1,396,627	144	315	-60	5	0	5	5	1.27
G20010	694,407	1,396,623	144	315	-60	6	0	4	4	1.29
G20011	694,410	1,396,620	144	315	-60	6	0	4	4	1.06
G20013	694,417	1,396,613	146	315	-60	6	0	5	5	0.83
G20014	694,421	1,396,609	147	315	-60	7	0	5	5	0.70
G20015	694,424	1,396,606	148	315	-60	10	0	4	4	0.95
G20017	694,431	1,396,598	151	315	-60	9	0	2	2	1.04
G20019	694,438	1,396,591	152	315	-60	9	0	3	3	0.81
G20020	694,441	1,396,588	152	315	-60	9	0	4	4	0.90
G20021	694,445	1,396,584	152	315	-60	9	0	4	4	1.10
G20022	694,449	1,396,580	151	315	-60	7	1	4	3	0.86
G20023	694,452	1,396,576	150	315	-60	6	1	4	3	0.94
G20025	694,459	1,396,569	149	315	-60	5	1	5	4	0.87
G20026	694,462	1,396,566	149	315	-60	5	0	3	3	0.81
G20028	694,473	1,396,555	148	315	-60	9	0	8	8	0.88

G21003	694,367	1,396,669	148	315	-60	11	0	6	6	0.82
G21009	694,389	1,396,648	145	315	-60	6	0	6	6	1.41
G21010	694,392	1,396,644	144	315	-60	5	0	3	3	0.75
G21011	694,396	1,396,641	144	315	-60	5	2	5	3	0.92
G21014	694,407	1,396,630	144	315	-60	5	1	5	4	0.96
G21019	694,423	1,396,613	146	315	-60	6	0	5	5	0.84
G21020	694,428	1,396,609	148	315	-60	8	0	5	5	1.11
G21022	694,435	1,396,602	152	315	-60	9	0	4	4	1.58
G21023	694,438	1,396,598	152	315	-60	9	1	4	3	0.82
G21026	694,449	1,396,587	151	315	-60	8	0	4	4	1.45
G21030	694,463	1,396,573	148	315	-60	5	4	5	1	4.47
G21032	694,470	1,396,567	147	315	-60	5	0	3	3	1.02
G21033	694,473	1,396,563	147	315	-60	5	0	3	3	2.07
G21034	694,477	1,396,560	147	315	-60	5	0	2	2	1.06
G22002	694,367	1,396,676	146	315	-60	8	1	4	3	0.88
G22006	694,381	1,396,661	147	315	-60	9	0	3	3	1.99
G22007	694,385	1,396,658	146	315	-60	8	0	4	4	0.97
G22008	694,389	1,396,654	146	315	-60	7	0	4	4	1.90
G22009	694,392	1,396,650	145	315	-60	6	0	5	5	1.49
G22010	694,395	1,396,648	145	315	-60	5	0	5	5	1.35
G22011	694,399	1,396,644	144	315	-60	5	0	5	5	1.25
G22012	694,403	1,396,641	144	315	-60	5	1	5	4	1.62
G22013	694,407	1,396,636	144	315	-60	5	0	5	5	1.11
G22014	694,409	1,396,633	144	315	-60	5	0	5	5	1.54
G22015	694,413	1,396,630	144	315	-60	5	0	5	5	1.52
G22016	694,416	1,396,626	144	315	-60	5	0	3	3	1.36
G22019	694,428	1,396,616	146	315	-60	6	0	5	5	0.81
G22020	694,431	1,396,612	147	315	-60	7	0	6	6	1.15
G22021	694,435	1,396,609	149	315	-60	11	0	3	3	0.86
G22021	694,435	1,396,609	149	315	-60	11	6	8	2	2.03
G22022	694,438	1,396,605	150	315	-60	13	0	5	5	0.90
G22023	694,441	1,396,603	151	315	-60	14	0	3	3	1.06
G22024	694,445	1,396,598	152	315	-60	14	2	5	3	0.86
G22026	694,452	1,396,591	150	315	-60	12	0	3	3	1.00
G22027	694,456	1,396,587	149	315	-60	10	0	5	5	1.00
G22028	694,460	1,396,584	148	315	-60	9	0	2	2	1.32
G22030	694,467	1,396,577	147	315	-60	8	0	3	3	2.48
G22032	694,474	1,396,570	146	315	-60	8	0	6	6	1.00
G22036	694,304	1,396,739	148	315	-60	9	0	3	3	0.90
G22037	694,306	1,396,735	149	315	-60	10	0	4	4	1.37
G22038	694,311	1,396,733	149	315	-60	10	0	4	4	1.15
G22039	694,313	1,396,728	149	315	-60	11	0	5	5	1.26
G22040	694,318	1,396,725	149	315	-60	11	1	5	4	0.98
G22041	694,320	1,396,721	149	315	-60	11	0	5	5	2.23
G22042	694,324	1,396,719	149	315	-60	11	0	4	4	1.21
G22043	694,328	1,396,714	149	315	-60	11	0	2	2	2.50
G22045	694,335	1,396,707	147	315	-60	8	0	3	3	0.78
G22046	694,338	1,396,704	147	315	-60	7	0	5	5	0.77
G22049	694,349	1,396,693	146	315	-60	8	0	2	2	2.04
G22050	694,353	1,396,690	145	315	-60	7	4	5	1	3.87



G22055	694,478	1,396,567	146	315	-60	8	0	4	4	0.78
G23034	694,453	1,396,598	150	315	-60	12	1	3	2	1.79
G23035	694,456	1,396,594	149	315	-60	11	0	4	4	1.31
G23036	694,459	1,396,591	147	315	-60	8	0	3	3	3.86
G23050	694,477	1,396,574	146	315	-60	4	0	3	3	1.71
G23052	694,484	1,396,567	146	315	-60	4	0	2	2	1.43
G24003	694,313	1,396,744	148	315	-60	10	0	3	3	0.97
G24005	694,320	1,396,738	148	315	-60	10	0	4	4	1.34
G24006	694,323	1,396,734	148	315	-60	10	0	4	4	0.73
G24007	694,327	1,396,731	149	315	-60	11	0	5	5	0.92
G24009	694,334	1,396,723	149	315	-60	11	0	4	4	1.45
G24012	694,371	1,396,687	145	315	-60	6	1	6	5	0.87
G24013	694,377	1,396,680	145	315	-60	7	0	4	4	0.71
G24014	694,385	1,396,673	146	315	-60	8	3	6	3	0.77
G24015	694,392	1,396,666	146	315	-60	7	0	4	4	1.20
G24016	694,400	1,396,658	145	315	-60	6	0	6	6	1.51
G24017	694,407	1,396,651	144	315	-60	5	0	5	5	1.15
G24018	694,414	1,396,644	144	315	-60	5	0	3	3	0.72
G24019	694,417	1,396,641	144	315	-60	5	1	5	4	0.89
G24020	694,421	1,396,637	144	315	-60	5	1	4	3	1.03
G24024	694,439	1,396,619	145	315	-60	6	0	3	3	1.07
G24025	694,442	1,396,616	145	315	-60	6	1	5	4	0.83
G24027	694,448	1,396,610	146	315	-60	10	0	10	10	5.49
G24029	694,456	1,396,602	147	315	-60	10	0	2	2	1.21
G24030	694,460	1,396,599	147	315	-60	9	1	4	3	1.60
G24031	694,463	1,396,595	147	315	-60	8	0	3	3	1.68
G24034	694,352	1,396,706	146	315	-60	7	3	6	3	0.68
G24036	694,364	1,396,693	145	315	-60	6	3	6	3	0.72
G24037	694,404	1,396,655	144	315	-60	5	0	5	5	1.51
G24038	694,411	1,396,648	144	315	-60	5	0	5	5	1.41
G24039	694,424	1,396,634	144	315	-60	4	0	4	4	4.98
G24043	694,367	1,396,690	145	315	-60	6	1	6	5	0.55
G24047	694,478	1,396,580	146	315	-60	7	0	5	5	1.83
G24048	694,481	1,396,577	146	315	-60	7	0	6	6	1.64
G24049	694,485	1,396,574	146	315	-60	8	0	5	5	7.57
G24050	694,488	1,396,570	146	315	-60	8	0	2	2	2.03
G25049	694,487	1,396,579	146	315	-60	7	0	5	5	0.95
G25050	694,491	1,396,575	146	315	-60	7	0	3	3	1.16
G26003	694,318	1,396,754	147	315	-60	9	0	2	2	1.27
G26004	694,322	1,396,750	148	315	-60	9	0	3	3	1.27
G26005	694,325	1,396,747	148	315	-60	9	0	3	3	1.00
G26006	694,329	1,396,743	148	315	-60	10	0	4	4	1.32
G26007	694,332	1,396,740	148	315	-60	10	0	6	6	1.28
G26008	694,336	1,396,736	148	315	-60	16	0	6	6	1.32
G26009	694,340	1,396,733	148	315	-60	16	0	5	5	0.93
G26013	694,357	1,396,715	145	315	-60	18	0	5	5	0.81
G26014	694,361	1,396,711	145	315	-60	18	5	10	5	2.46
G26017	694,381	1,396,690	145	315	-60	6	0	6	6	0.64
G26021	694,410	1,396,661	144	315	-60	6	0	6	6	0.87
G26022	694,417	1,396,655	144	315	-60	5	1	5	4	1.28

G26023	694,424	1,396,648	143	315	-60	5	0	5	5	0.84
G26026	694,445	1,396,627	144	315	-60	5	2	3	1	4.33
G26030	694,467	1,396,605	146	315	-60	7	0	3	3	1.76
G26032	694,481	1,396,591	146	315	-60	4	0	2	2	1.09
G26033	694,370	1,396,700	144	315	-60	7	3	6	3	0.96
G26034	694,376	1,396,694	144	315	-60	7	3	7	4	0.95
G26035	694,385	1,396,686	145	315	-60	12	0	12	12	0.80
G26036	694,421	1,396,651	144	315	-60	7	3	7	4	0.65
G26037	694,427	1,396,645	144	315	-60	7	1	7	6	0.91
G26040	694,478	1,396,595	146	315	-60	2	0	2	2	2.33
G26043	694,492	1,396,581	146	315	-60	3	0	3	3	0.96
G26044	694,495	1,396,578	146	315	-60	7	0	3	3	0.91
G26045	694,498	1,396,574	146	315	-60	2	0	2	2	1.51
G26046	694,502	1,396,571	146	315	-60	2	0	2	2	1.19
G27015	694,370	1,396,709	144	315	-60	5	2	5	3	0.73
G27052	694,502	1,396,579	146	315	-60	7	3	5	2	1.06
G28002	694,325	1,396,761	146	315	-60	11	0	2	2	1.88
G28004	694,332	1,396,754	147	315	-60	12	0	4	4	1.16
G28005	694,336	1,396,751	147	315	-60	11	0	4	4	1.41
G28006	694,340	1,396,747	147	315	-60	11	0	5	5	2.70
G28007	694,343	1,396,743	147	315	-60	11	0	3	3	1.38
G28009	694,350	1,396,736	146	315	-60	20	0	5	5	0.64
G28010	694,357	1,396,729	146	315	-60	19	0	16	16	2.17
G28011	694,360	1,396,726	145	315	-60	18	3	17	14	1.72
G28012	694,364	1,396,722	144	315	-60	17	0	17	17	0.79
G28014	694,371	1,396,715	144	315	-60	11	1	6	5	0.82
G28015	694,375	1,396,711	144	315	-60	8	0	8	8	0.88
G28016	694,378	1,396,708	144	315	-60	10	0	9.5	10	0.78
G28017	694,382	1,396,704	144	315	-60	10	0	10	10	0.80
G28018	694,385	1,396,701	144	315	-60	10	2	8	6	0.75
G28019	694,392	1,396,694	145	315	-60	12	0	12	12	1.09
G28022	694,415	1,396,672	145	315	-60	12	0	5	5	1.41
G28023	694,422	1,396,665	144	315	-60	6	0	3	3	1.18
G28024	694,429	1,396,659	143	315	-60	9	0	8	8	1.26
G28027	694,442	1,396,645	143	315	-60	10	0	2	2	1.20
G28028	694,446	1,396,642	143	315	-60	10	0	5	5	0.88
G28029	694,449	1,396,638	143	315	-60	10	1	6	5	1.19
G28030	694,457	1,396,630	144	315	-60	11	0	8	8	1.29
G28033	694,472	1,396,619	145	315	-60	12	0	3	3	0.76
G28034	694,479	1,396,611	145	315	-60	13	1	8	7	0.79
G28035	694,486	1,396,602	145	315	-60	13	0	3	3	1.38
G28036	694,493	1,396,595	145	315	-60	13	0	4	4	1.68
G28037	694,396	1,396,691	145	315	-60	6	0	6	6	1.66
G28038	694,419	1,396,668	144	315	-60	3	0	3	3	1.85
G28039	694,424	1,396,662	144	315	-60	4	0	3	3	0.93
G28040	694,433	1,396,654	143	315	-60	9	0	4	4	1.14
G28041	694,454	1,396,635	143	315	-60	7	0	7	7	1.67
G28042	694,460	1,396,627	144	315	-60	6	0	6	6	1.20
G28043	694,482	1,396,606	145	315	-60	3	0	3	3	1.70
G28044	694,496	1,396,591	145	315	-60	3	0	3	3	0.95

G28045	694,503	1,396,585	145	315	-60	4	0	3	3	0.77
G29001	694,331	1,396,762	146	315	-60	8	0	3	3	0.89
G29002	694,335	1,396,758	146	315	-60	8	0	4	4	0.94
G29003	694,338	1,396,755	146	315	-60	8	0	3	3	0.91
G29035	694,452	1,396,642	143	315	-60	5	0	3	3	0.71
G29045	694,488	1,396,606	145	315	-60	6	0	2	2	1.18
G30002	694,336	1,396,764	146	315	-60	10	0	3	3	2.77
G30003	694,346	1,396,754	146	315	-60	10	0	2	2	1.38
G30006	694,360	1,396,740	144	315	-60	8	0	8	8	0.89
G30007	694,364	1,396,736	144	315	-60	7	0	7	7	1.19
G30008	694,368	1,396,732	143	315	-60	7	1	7	6	0.89
G30011	694,381	1,396,719	144	315	-60	10	0	9.5	10	0.73
G30012	694,385	1,396,715	144	315	-60	9	0	5	5	1.09
G30013	694,388	1,396,711	144	315	-60	10	0	9.5	10	0.85
G30014	694,392	1,396,708	144	315	-60	11	0	5	5	0.86
G30014	694,392	1,396,708	144	315	-60	11	8	11	3	0.75
G30015	694,396	1,396,704	145	315	-60	12	0	9	9	0.97
G30016	694,403	1,396,698	145	315	-60	13	0	7	7	0.81
G30019	694,425	1,396,676	144	315	-60	10	0	6	6	1.07
G30020	694,432	1,396,669	143	315	-60	10	0	10	10	1.37
G30021	694,439	1,396,662	143	315	-60	10	0	9	9	0.86
G30022	694,443	1,396,659	143	315	-60	10	0	3	3	1.00
G30027	694,340	1,396,760	146	315	-60	5	0	3	3	1.12
G30028	694,429	1,396,673	144	315	-60	10	0	6	6	0.89
G30031	694,467	1,396,635	143	315	-60	7	0	6	6	1.00
G30037	694,488	1,396,613	145	315	-60	9	0	7	7	1.68
G30039	694,496	1,396,606	145	315	-60	10	0	4	4	1.16
G30041	694,503	1,396,599	145	315	-60	10	1	3	2	1.31
G31007	694,334	1,396,773	144	315	-60	9	0	2	2	1.65
G31009	694,342	1,396,766	144	315	-60	9	0	2	2	2.30
G31010	694,346	1,396,762	144	315	-60	6	0	2	2	2.01
G31015	694,363	1,396,744	143	315	-60	10	0	10	10	0.82
G31016	694,366	1,396,741	143	315	-60	8	0	5	5	1.60
G31017	694,370	1,396,737	143	315	-60	8	0	8	8	0.97
G31018	694,373	1,396,734	143	315	-60	9	0	3	3	1.27
G31018	694,373	1,396,734	143	315	-60	9	8	9	1	2.52
G31019	694,378	1,396,729	144	315	-60	10	0	6	6	0.63
G31040	694,455	1,396,653	142	315	-60	8	0	3	3	1.16
G31041	694,459	1,396,649	143	315	-60	7	1	5	4	0.68
G32010	694,346	1,396,768	144	315	-60	10	0	1	1	3.06
G32013	694,357	1,396,757	143	315	-60	5	0	2	2	1.13
G32015A	694,364	1,396,750	143	315	-60	5	0	5	5	1.52
G32016	694,368	1,396,747	143	315	-60	9	0	3	3	0.70
G32016	694,368	1,396,747	143	315	-60	9	6	7	1	2.69
G32017	694,371	1,396,744	143	315	-60	8	0	5	5	1.14
G32018	694,375	1,396,740	143	315	-60	8	0	8	8	1.08
G32019	694,378	1,396,737	143	315	-60	8	0	8	8	0.97
G32020	694,381	1,396,733	143	315	-60	9	0	9	9	4.20
G32022	694,394	1,396,721	144	315	-60	9	0	8.5	9	0.88
G32023	694,401	1,396,714	144	315	-60	10	0	10	10	1.22

G32026	694,417	1,396,698	146	315	-60	13	0	2	2	1.27
G32027	694,423	1,396,693	146	315	-60	13	0	2	2	1.72
G32028	694,430	1,396,686	145	315	-60	12	0	5	5	1.21
G32029	694,437	1,396,679	143	315	-60	11	2	5	3	1.89
G32030	694,444	1,396,672	143	315	-60	4	0	2	2	1.23
G32031	694,447	1,396,669	143	315	-60	9	0	9	9	1.49
G32032	694,451	1,396,665	143	315	-60	9	0	4	4	1.18
G32037	694,470	1,396,644	143	315	-60	10	0	4	4	1.09
G32039	694,396	1,396,719	144	315	-60	10	0	2	2	5.64
G32039	694,396	1,396,719	144	315	-60	10	6	10	4	0.72
G32040	694,412	1,396,703	146	315	-60	4	0	4	4	0.57
G32041	694,440	1,396,675	143	315	-60	6	3	6	3	0.81
G32042	694,468	1,396,648	143	315	-60	5	2	5	3	1.15
G32043	694,474	1,396,641	143	315	-60	7	2	7	5	1.06
G33009	694,342	1,396,780	144	315	-60	8	0	2	2	1.49
G33011	694,349	1,396,772	144	315	-60	11	1	3	2	2.34
G33015	694,363	1,396,758	143	315	-60	7	0	3	3	1.18
G33017	694,370	1,396,751	143	315	-60	7	0	6	6	1.55
G33018	694,374	1,396,748	143	315	-60	8	0	8	8	2.42
G33019	694,377	1,396,744	143	315	-60	8	0	8	8	0.85
G33020	694,381	1,396,741	143	315	-60	8	0	8	8	0.99
G33021	694,384	1,396,738	143	315	-60	9	0	8	8	0.99
G33039	694,452	1,396,670	142	315	-60	9	0	9	9	1.16
G33043	694,449	1,396,674	143	315	-60	9	0	5	5	1.14
G34007	694,343	1,396,785	144	315	-60	8	0	7	7	1.07
G34010	694,354	1,396,774	143	315	-60	11	0	4	4	1.65
G34012	694,361	1,396,767	143	315	-60	7	0	1	1	3.15
G34013	694,364	1,396,764	143	315	-60	6	0	1	1	2.07
G34014	694,368	1,396,761	143	315	-60	6	0	6	6	1.43
G34015	694,372	1,396,757	142	315	-60	8	0	8	8	1.56
G34016	694,375	1,396,754	143	315	-60	8	0	8	8	1.19
G34017	694,379	1,396,750	142	315	-60	8	0	8	8	3.01
G34018	694,382	1,396,747	142	315	-60	8	0	8	8	1.80
G34019	694,386	1,396,743	143	315	-60	8	2	8	6	1.46
G34022	694,404	1,396,726	144	315	-60	11	0	9	9	1.55
G34023	694,411	1,396,719	144	315	-60	12	0	12	12	1.39
G34024	694,418	1,396,711	145	315	-60	12	0	2	2	1.20
G34025	694,426	1,396,704	146	315	-60	13	0	5	5	1.02
G34026	694,429	1,396,700	146	315	-60	13	2	5	3	0.97
G34029	694,447	1,396,683	143	315	-60	9	0	5	5	1.35
G34030	694,450	1,396,679	143	315	-60	10	0	7	7	1.22
G34031	694,453	1,396,676	142	315	-60	9	0	8	8	1.77
G34032	694,457	1,396,673	142	315	-60	9	2	8	6	2.17
G34033	694,460	1,396,670	142	315	-60	9	0	4	4	0.71
G34035	694,474	1,396,657	142	315	-60	7	3	6	3	0.69
G34037	694,485	1,396,646	143	315	-60	6	0	5	5	1.08
G34039	694,400	1,396,730	144	315	-60	4	0	4	4	1.12
G34040	694,407	1,396,723	144	315	-60	8	0	8	8	1.27
G34041	694,414	1,396,716	145	315	-60	6	3	6	3	1.92
G34043	694,444	1,396,687	144	315	-60	7	0	4	4	1.59



G35011	694,356	1,396,779	144	315	-60	6	0	3	3	1.24
G35012	694,359	1,396,776	143	315	-60	6	4	5	1	3.98
G35013	694,363	1,396,773	143	315	-60	5	3	5	2	1.02
G35014	694,366	1,396,769	143	315	-60	5	0	5	5	2.97
G35015	694,370	1,396,766	142	315	-60	6	0	5	5	1.64
G35016	694,374	1,396,762	142	315	-60	6	0	6	6	1.69
G35017	694,377	1,396,759	142	315	-60	7	0	7	7	4.02
G35018	694,381	1,396,755	143	315	-60	6	0	6	6	2.12
G35019	694,384	1,396,751	143	315	-60	7	0	7	7	1.39
G35020	694,388	1,396,748	143	315	-60	10	0	10	10	1.37
G35040	694,462	1,396,675	142	315	-60	9	0	9	9	1.40
G35043	694,457	1,396,680	142	315	-60	9	0	8	8	1.46
G35051	694,500	1,396,636	144	315	-60	5	0	3	3	2.22
G36006	694,346	1,396,797	143	315	-60	7	0	5	5	0.64
G36007	694,350	1,396,793	143	315	-60	7	0	6	6	0.84
G36008	694,354	1,396,789	143	315	-60	7	0	3	3	0.82
G36011	694,364	1,396,778	142	315	-60	6	4	5	1	6.34
G36012	694,368	1,396,775	142	315	-60	5	0	3	3	1.08
G36013	694,371	1,396,772	142	315	-60	5	0	4	4	1.11
G36014	694,378	1,396,765	142	315	-60	7	0	7	7	2.56
G36015	694,382	1,396,761	143	315	-60	7	0	7	7	3.57
G36016	694,385	1,396,758	143	315	-60	7	0	7	7	3.29
G36017	694,389	1,396,754	144	315	-60	9	0	9	9	3.70
G36020	694,408	1,396,736	144	315	-60	9	0	5	5	1.04
G36021	694,415	1,396,729	144	315	-60	11	0	4	4	1.32
G36021	694,415	1,396,729	144	315	-60	11	8	10	2	1.07
G36024	694,436	1,396,707	145	315	-60	12	0	6	6	0.88
G36027	694,457	1,396,686	142	315	-60	9	0	6	6	0.85
G36028	694,463	1,396,681	142	315	-60	9	0	9	9	0.74
G36029	694,469	1,396,674	142	315	-60	8	1	7	6	0.65
G36030	694,477	1,396,667	142	315	-60	9	0	6	6	1.15
G36031	694,482	1,396,662	142	315	-60	8	0	8	8	1.23
G36032	694,485	1,396,658	142	315	-60	9	0	9	9	1.46
G36033	694,488	1,396,655	143	315	-60	10	2	10	8	0.85
G36034	694,492	1,396,651	143	315	-60	10	0	5	5	0.73
G36036	694,499	1,396,644	144	315	-60	11	0	5	5	0.92
G36037	694,502	1,396,641	144	315	-60	12	0	2	2	1.63
G36038	694,375	1,396,768	142	315	-60	5	0	5	5	0.85
G36039	694,411	1,396,734	144	315	-60	7	0	7	7	1.73
G36040	694,419	1,396,726	144	315	-60	9	0	3	3	0.99
G36040	694,419	1,396,726	144	315	-60	9	8	9	1	2.23
G36041	694,440	1,396,705	144	315	-60	6	0	4	4	2.88
G36042	694,454	1,396,690	143	315	-60	4	0	3	3	0.84
G36043	694,460	1,396,685	142	315	-60	7	0	7	7	0.94
G36044	694,466	1,396,679	142	315	-60	12	0	12	12	1.49
G37036	694,469	1,396,681	142	315	-60	9	0	9	9	0.94
G37037	694,472	1,396,678	142	315	-60	9	0	9	9	1.43
G37038	694,476	1,396,674	142	315	-60	9	0	3	3	0.91
G37039	694,480	1,396,670	142	315	-60	8	0	4	4	1.37
G37040	694,483	1,396,667	142	315	-60	9	1	6	5	1.56

G37041	694,486	1,396,664	142	315	-60	9	0	5	5	1.01
G37051	694,515	1,396,635	145	315	-60	5	0	3	3	0.83
G37053	694,522	1,396,628	145	315	-60	5	0	4	4	1.24
G37054	694,526	1,396,625	145	315	-60	12	1	11	10	1.01
G37055	694,529	1,396,621	146	315	-60	12	0	3	3	0.83
G37055	694,529	1,396,621	146	315	-60	12	9	12	3	2.65
G38002	694,347	1,396,811	142	315	-60	6	0	2	2	2.87
G38004	694,354	1,396,803	142	315	-60	5	0	3	3	1.18
G38005	694,357	1,396,800	142	315	-60	6	0	5	5	0.83
G38006	694,361	1,396,796	142	315	-60	6	0	2	2	1.06
G38007	694,365	1,396,793	142	315	-60	5	0	5	5	0.85
G38008	694,368	1,396,789	141	315	-60	4	0	4	4	1.28
G38010	694,384	1,396,773	142	315	-60	8	0	6	6	1.26
G38011	694,390	1,396,767	143	315	-60	8	0	8	8	1.05
G38012	694,397	1,396,760	144	315	-60	11	0	5	5	1.30
G38014	694,411	1,396,746	144	315	-60	10	0	2	2	1.16
G38015	694,418	1,396,739	144	315	-60	11	0	5	5	3.00
G38016	694,425	1,396,732	144	315	-60	11	0	6	6	0.74
G38017	694,432	1,396,725	144	315	-60	11	0	11	11	1.15
G38019	694,446	1,396,711	144	315	-60	10	0	4	4	0.87
G38020	694,454	1,396,704	143	315	-60	9	0	8	8	1.74
G38021	694,461	1,396,696	142	315	-60	9	0	4	4	1.18
G38022	694,471	1,396,686	142	315	-60	9	0	5	5	1.01
G38023	694,474	1,396,683	142	315	-60	9	1	9	8	1.25
G38024	694,477	1,396,680	142	315	-60	9	0	8	8	2.21
G38025	694,481	1,396,676	142	315	-60	9	0	4	4	1.65
G38026	694,484	1,396,673	142	315	-60	8	0	6	6	1.36
G38027	694,488	1,396,670	142	315	-60	9	0	8	8	0.77
G38028	694,495	1,396,663	142	315	-60	9	2	4	2	2.68
G38032	694,509	1,396,648	144	315	-60	7	0	4	4	3.89
G38034	694,336	1,396,822	143	315	-60	3	0	3	3	3.69
G38035	694,344	1,396,815	142	315	-60	5	0	2	2	1.01
G38036	694,373	1,396,786	142	315	-60	3	0	3	3	1.15
G38037	694,379	1,396,780	142	315	-60	5	0	5	5	1.29
G38038	694,387	1,396,772	143	315	-60	7	0	6	6	1.24
G38039	694,394	1,396,765	144	315	-60	8	0	8	8	2.06
G38040	694,415	1,396,743	144	315	-60	6	0	4	4	0.88
G38041	694,492	1,396,666	142	315	-60	3	0	3	3	1.33
G38042	694,468	1,396,691	142	315	-60	8	0	8	8	0.84
G38043	694,465	1,396,695	142	315	-60	3	0	2	2	1.95
G38044	694,458	1,396,701	142	315	-60	4	0	3	3	0.76
G38045	694,451	1,396,708	143	315	-60	7	5	7	2	1.07
G38046	694,436	1,396,722	144	315	-60	9	0	7	7	1.34
G38047	694,429	1,396,729	144	315	-60	11	0	9	9	1.39
G38048	694,423	1,396,735	144	315	-60	9	0	4	4	0.65
G38049	694,516	1,396,641	145	315	-60	5	0	4	4	0.97
G39039	694,476	1,396,688	142	315	-60	9	0	5	5	0.92
G39040	694,480	1,396,685	142	315	-60	9	0	9	9	1.21
G39042	694,487	1,396,677	142	315	-60	8	1	5	4	1.11
G39043	694,491	1,396,674	142	315	-60	9	1	4	3	0.96

G39044	694,494	1,396,671	142	315	-60	9	1	5	4	0.81
G39055	694,525	1,396,638	145	315	-60	5	0	5	5	1.73
G39056	694,529	1,396,635	145	315	-60	5	1	3	2	3.09
G39057	694,533	1,396,631	145	315	-60	5	0	2	2	1.16
G40027	694,481	1,396,691	142	315	-60	9	0	5	5	1.02
G40029	694,488	1,396,684	142	315	-60	9	0	3	3	0.68
G40031	694,495	1,396,677	142	315	-60	9	0	4	4	0.93
G40032	694,499	1,396,673	142	315	-60	9	0	4	4	1.01
G40033	694,502	1,396,670	143	315	-60	9	0	6	6	0.94
G40034	694,506	1,396,666	143	315	-60	7	0	4	4	0.80
G40036	694,513	1,396,659	143	315	-60	7	0	5	5	1.16
G40037	694,516	1,396,656	143	315	-60	8	0	8	8	1.08
G40038	694,520	1,396,652	144	315	-60	9	0	3	3	1.28
G40039	694,523	1,396,648	144	315	-60	7	0	3	3	1.46
G40040	694,342	1,396,833	142	315	-60	3	0	3	3	0.89
G40042	694,368	1,396,805	141	315	-60	5	0	4	4	1.94
G40043	694,375	1,396,799	142	315	-60	4	0	4	4	1.22
G40044	694,420	1,396,753	144	315	-60	7	0	1	1	2.33
G40045	694,433	1,396,740	144	315	-60	3	0	3	3	0.97
G40046	694,440	1,396,733	144	315	-60	8	0	7	7	1.16
G40048	694,455	1,396,718	143	315	-60	3	0	3	3	1.00
G40049	694,461	1,396,711	142	315	-60	5	0	3	3	0.80
G40050	694,468	1,396,705	142	315	-60	6	0	4	4	0.83
G40051	694,476	1,396,697	142	315	-60	9	0	7	7	0.75
G40052	694,527	1,396,645	144	315	-60	5	0	3	3	2.07
G40053	694,530	1,396,641	145	315	-60	5	0	5	5	1.90
G41062	694,536	1,396,642	145	315	-60	5	0	2	2	1.56
G42027	694,480	1,396,706	142	315	-60	9	0	2	2	1.27
G42028	694,487	1,396,699	142	315	-60	9	0	8	8	2.90
G42030	694,495	1,396,691	142	315	-60	9	0	3	3	1.10
G42032	694,502	1,396,684	142	315	-60	9	0	8	8	0.82
G42033	694,505	1,396,680	142	315	-60	9	0	5	5	0.83
G42038	694,523	1,396,662	143	315	-60	7	0	7	7	2.35
G42039	694,526	1,396,659	144	315	-60	3	0	2	2	1.16
G42040	694,530	1,396,655	144	315	-60	7	0	7	7	2.00
G42042	694,364	1,396,822	141	315	-60	5	0	5	5	1.26
G42043	694,372	1,396,816	142	315	-60	5	0	5	5	1.22
G42044	694,378	1,396,807	142	315	-60	5	0	2	2	2.02
G42045	694,385	1,396,800	142	315	-60	4	0	4	4	2.96
G42046	694,393	1,396,793	143	315	-60	7	0	5	5	3.24
G42047	694,400	1,396,785	143	315	-60	7	0	6	6	0.71
G42048	694,407	1,396,779	144	315	-60	10	0	10	10	0.69
G42049	694,458	1,396,730	143	315	-60	8	0	7	7	1.00
G42051	694,483	1,396,704	142	315	-60	4	0	4	4	0.84
G42052	694,533	1,396,652	144	315	-60	10	4	10	6	1.63
G43005	694,328	1,396,863	143	315	-60	9	0	2	2	5.49
G43064	694,536	1,396,656	144	315	-60	11	0	11	11	0.94
G44030	694,484	1,396,716	142	315	-60	8	0	8	8	0.94
G44031	694,488	1,396,712	141	315	-60	8	1	8	7	1.00
G44032	694,491	1,396,709	142	315	-60	8	0	4	4	1.09

G44033	694,495	1,396,706	142	315	-60	8	1	8	7	0.89
G44036	694,505	1,396,695	142	315	-60	9	4	8	4	5.77
G44037	694,509	1,396,691	142	315	-60	9	0	9	9	0.66
G44038	694,513	1,396,687	142	315	-60	9	0	9	9	1.20
G44039	694,516	1,396,684	142	315	-60	8	0	5	5	0.62
G44041	694,523	1,396,677	143	315	-60	8	5	8	3	8.27
G44042	694,527	1,396,673	143	315	-60	7	0	7	7	2.20
G44043	694,530	1,396,670	143	315	-60	8	1	8	7	2.20
G44044	694,534	1,396,666	143	315	-60	8	0	7	7	1.25
G44045	694,356	1,396,843	141	315	-60	5	1	5	4	1.42
G44046	694,368	1,396,831	141	315	-60	4	0	4	4	1.96
G44047	694,381	1,396,818	142	315	-60	6	0	6	6	1.11
G44048	694,404	1,396,795	143	315	-60	6	0	2	2	1.64
G44049	694,416	1,396,783	144	315	-60	8	3	6	3	1.17
G44050	694,454	1,396,747	143	315	-60	7	0	6	6	1.59
G44051	694,460	1,396,741	143	315	-60	7	0	6	6	1.59
G44052	694,474	1,396,726	142	315	-60	5	0	3	3	1.10
G44053	694,537	1,396,662	144	315	-60	10	0	3	3	1.22
G45027	694,499	1,396,708	142	315	-60	8	0	4	4	1.98
G45029	694,506	1,396,701	142	315	-60	8	2	6	4	8.40
G46002	694,412	1,396,802	143	315	-60	10	0	6	6	0.73
G46007	694,432	1,396,782	143	315	-60	7	0	5	5	1.18
G46008	694,436	1,396,779	143	315	-60	10	0	10	10	2.09
G46009	694,439	1,396,776	143	315	-60	10	0	5	5	3.21
G46010	694,446	1,396,769	144	315	-60	10	0	4	4	2.14
G46011	694,454	1,396,761	143	315	-60	10	0	10	10	0.86
G46012	694,461	1,396,755	142	315	-60	9	0	9	9	0.73
G46013	694,468	1,396,748	142	315	-60	8	0	5	5	1.23
G46014	694,475	1,396,740	142	315	-60	8	0	4	4	1.14
G46015	694,482	1,396,734	142	315	-60	8	0	4	4	1.35
G46016	694,485	1,396,731	142	315	-60	8	1	7	6	0.87
G46017	694,488	1,396,727	142	315	-60	8	0	4	4	0.93
G46018	694,492	1,396,723	142	315	-60	8	0	2	2	2.66
G46019	694,495	1,396,719	142	315	-60	8	0	5	5	0.86
G46020	694,499	1,396,715	142	315	-60	8	0	5	5	1.06
G46021	694,502	1,396,712	142	315	-60	8	0	6	6	1.60
G46022	694,506	1,396,708	142	315	-60	8	0	8	8	2.33
G46023	694,509	1,396,705	142	315	-60	9	0	5	5	1.40
G46024	694,513	1,396,701	142	315	-60	9	0	3	3	0.78
G46024	694,513	1,396,701	142	315	-60	9	7	9	2	2.20
G46025	694,516	1,396,698	142	315	-60	9	5	8	3	1.03
G46026	694,520	1,396,694	142	315	-60	9	2	3	1	2.02
G46027	694,523	1,396,690	143	315	-60	9	1	5	4	0.93
G46028	694,527	1,396,687	143	315	-60	10	1	6	5	2.19
G46029	694,530	1,396,683	143	315	-60	10	0	2	2	1.56
G46030	694,534	1,396,680	143	315	-60	8	0	8	8	0.70
G46033	694,409	1,396,806	143	315	-60	4	0	2	2	1.77
G46034	694,416	1,396,800	143	315	-60	10	1	8	7	0.80
G46035	694,458	1,396,758	142	315	-60	8	0	8	8	0.69
G46036	694,465	1,396,751	141	315	-60	11	0	4	4	1.27



G46037	694,472	1,396,744	142	315	-60	4	0	4	4	1.42
G47002	694,483	1,396,739	141	315	-60	8	0	4	4	1.21
G47004	694,491	1,396,731	142	315	-60	8	0	8	8	0.65
G47006	694,498	1,396,724	142	315	-60	7	0	7	7	1.39
G47018	694,472	1,396,750	141	315	-60	6	0	6	6	1.15
G47020	694,466	1,396,757	141	315	-60	7	0	7	7	0.75
G47022	694,459	1,396,764	142	315	-60	9	0	8	8	1.24
G47024	694,452	1,396,771	143	315	-60	10	0	4	4	1.98
G47025	694,445	1,396,779	143	315	-60	10	0	8	8	1.44
G48001	694,485	1,396,744	141	315	-60	6	0	4	4	0.91
G48002	694,488	1,396,741	141	315	-60	7	0	6	6	1.60
G48003	694,492	1,396,737	141	315	-60	8	0	8	8	0.64
G48004	694,495	1,396,733	142	315	-60	8	0	7	7	2.28
G48005	694,499	1,396,730	142	315	-60	9	1	7	6	2.14
G48006	694,503	1,396,726	142	315	-60	8	0	8	8	1.12
G48007	694,506	1,396,723	142	315	-60	9	0	8	8	0.62
G48008	694,509	1,396,719	142	315	-60	9	0	4	4	1.26
G48009	694,513	1,396,715	142	315	-60	9	0	8	8	1.22
G48010	694,517	1,396,712	143	315	-60	9	0	9	9	1.27
G48011	694,520	1,396,708	143	315	-60	10	1	10	9	1.85
G48012	694,524	1,396,705	143	315	-60	10	0	10	10	0.97
G48019	694,448	1,396,783	143	315	-60	7	0	7	7	1.41
G48020	694,453	1,396,778	143	315	-60	3	0	3	3	1.46
G48021	694,460	1,396,771	142	315	-60	5	0	5	5	1.56
G49015	694,488	1,396,747	141	315	-60	6	0	5	5	0.82
G50001	694,503	1,396,740	142	315	-60	9	0	4	4	1.06
G50002	694,506	1,396,737	142	315	-60	9	0	6	6	0.64
G50003	694,510	1,396,733	142	315	-60	9	7	8	1	3.47
G50005	694,516	1,396,726	142	315	-60	9	0	2	2	2.45
G50006	694,520	1,396,723	143	315	-60	10	0	6	6	1.50
G50007	694,524	1,396,719	143	315	-60	7	0	3	3	4.66
G50008	694,527	1,396,715	143	315	-60	10	0	10	10	3.65
G50009	694,531	1,396,712	143	315	-60	10	0	5	5	1.12
G50013	694,449	1,396,795	142	315	-60	7	0	7	7	1.29
G50014	694,456	1,396,788	142	315	-60	5	0	3	3	0.82
G50015	694,462	1,396,781	142	315	-60	4	0	4	4	1.54
G52002	694,513	1,396,744	143	315	-60	9	0	9	9	1.58
G52003	694,516	1,396,741	143	315	-60	10	8	10	2	42.78
G52004	694,520	1,396,737	143	315	-60	10	0	2	2	4.76
G52006	694,527	1,396,730	144	315	-60	11	7	9	2	3.20
G53010	694,509	1,396,754	142	315	-60	8	5	8	3	2.62
G53011	694,502	1,396,761	142	315	-60	8	0	7	7	0.70

## Appendix Two | JORC Code, 2012 Edition | 'Table 1' Report

### Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections)

Criteria	JORC Code explanation	Commentary
Sampling techniques	<ul style="list-style-type: none"> <li>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.</li> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <li>Aspects of the determination of mineralisation that are Material to the Public Report.</li> <li>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 3kg was pulverised to produce a 30g 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.</li> </ul>	<ul style="list-style-type: none"> <li>For the drill programme, air core (AC) and reverse circulation (RC) drilling is used to collect 1m samples these are split with a cone splitter at the drill rig to produce a 3-5kg sub-sample.</li> <li>Drilling sample preparation is carried out at a commercial off-site laboratory (ALS Phnom Penh). Gold assays are conducted at ALS Vientiane, Laos utilising a 50gram subsample of 85% passing 75µm pulped sample using Fire Assay with AAS finish on and Aqua Regia digest of the lead collection button. Multi-element assay is completed at ALS, Perth, Australia on a 1g pulp subsample digested by Aqua Regia and determined by ICP-AES or ICP-MS for lowest available detection for the respective element.</li> <li>Oxide matrix standards, field duplicates and pulp blanks are inserted in sample batches to test laboratory performance</li> </ul>
Drilling techniques	<ul style="list-style-type: none"> <li>Drill type (eg 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).</li> </ul>	<ul style="list-style-type: none"> <li>A track mounted UDR650 multipurpose drill rig is used to drill 5.5-inch AC/RC holes.</li> </ul>
Drill sample recovery	<ul style="list-style-type: none"> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> <li>Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>All AC/RC 1m samples and sub-samples (pre- and post-split) are weighed at the rig, to check that there is adequate sample material for assay. Any wet or damp samples are noted and that information is recorded in the database; samples are usually dry.</li> </ul>
Logging	<ul style="list-style-type: none"> <li>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</li> <li>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</li> <li>The total length and percentage of the relevant intersections logged.</li> </ul>	<ul style="list-style-type: none"> <li>All AC/RC drill chips are routinely logged (qualitatively) by a geologist, to record details of regolith (oxidation), lithology, structure, mineralization and/or veining, and alteration. In addition, the magnetic susceptibility of all samples is routinely measured. All logging and sampling data are captured into a database, with appropriate validation and security features.</li> </ul>
Sub-sampling techniques and sample preparation	<ul style="list-style-type: none"> <li>If core, whether cut or sawn and whether quarter, half or all core taken.</li> <li>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</li> <li>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> <li>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</li> <li>Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling.</li> <li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li> </ul>	<ul style="list-style-type: none"> <li>Most AC/RC samples are dry and there is no likelihood of compromised results due to moisture.</li> <li>All types of samples are prepared for assay at the NATA accredited ALS Cambodia sample preparation facility in Phnom Penh; and that facility has been inspected, at the request of Renaissance, numerous times and most recently by Mr Keith King in January 2020. Samples are dried for a minimum of 12 hours at 105°C;</li> <li>AC/RC samples are split to 1kg and pulverized in an Essa LM2 Ring Mill. A standard &gt;85% pass rate is achieved (with particle size analysis performed on every tenth sample as a check).</li> <li>Field duplicate samples are collected at an AC/RC drill rig to monitor sampling precision.</li> <li>This sample technique is industry norm, and is deemed appropriate for the material</li> </ul>
Quality of assay data and laboratory tests	<ul style="list-style-type: none"> <li>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li> <li>For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</li> <li>Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.</li> </ul>	<ul style="list-style-type: none"> <li>All drill samples are sent to the NATA accredited ALS Laboratory in Vientiane, Laos, for fire assay (Au-AA25: 30g ore grade method, total extraction by fusion, with an AA finish). Samples reporting &gt;100ppm upper detection limit are repeated by Au-AAGRA22 method, Graphite furnace with gravimetric finish.</li> <li>Fire assay is considered a total gold assay</li> <li>The Au-AA25 method has a lower detection limit of 0.01g/t gold</li> <li>All magnetic susceptibility measurements of drill samples are made with a Terraplus KT-10 magnetic susceptibility meter.</li> <li>An appropriate sample preparation and analytical quality control programme confirms that the gold fire assay values are of acceptable quality to underpin mineral resource estimation.</li> <li>Industry-standard QAQC protocols are routinely followed for all sample batches sent for assay, which includes the insertion of commercially available pulp CRMs and pulp blanks into all batches - usually 1 of each</li> </ul>

Criteria	JORC Code explanation	Commentary
Verification of sampling and assaying	<ul style="list-style-type: none"> <li>The verification of significant intersections by either independent or alternative company personnel.</li> <li>The use of twinned holes.</li> <li>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</li> <li>Discuss any adjustment to assay data.</li> </ul>	<p>for every 20 field samples. Additional blanks used are home-made from barren quarry basalt. QAQC data are routinely checked before any associated assay results are reviewed for interpretation, and any problems are investigated before results are released to the market - no issues were raised with the results reported here.</p> <ul style="list-style-type: none"> <li>All assay data, including internal and external QA/QC data and control charts of standard, replicate and duplicate assay results, are communicated electronically.</li> <li>The calculations of all significant intercepts (for drill holes) are routinely checked by senior management.</li> <li>All field data associated with drilling and sampling, and all associated assay and analytical results, are archived in a relational database, with industry-standard verification protocols and security measures in place.</li> </ul>
Location of data points	<ul style="list-style-type: none"> <li>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.</li> <li>Specification of the grid system used.</li> <li>Quality and adequacy of topographic control.</li> </ul>	<ul style="list-style-type: none"> <li>Drill hole collar locations are first surveyed with a hand-held GPS instrument (which generates relatively inaccurate RL values). The locations of all holes used in Mineral Resource estimates are verified or amended by survey using a differential GPS by and external contractor with excellent accuracy in all dimensions using a local base station reference). All locations are surveyed to the Indian 1960 Zone 48N UTM grid. Collar coordinates are routinely converted to a local grid (local N is approx. equivalent to UTM 045°), with an appropriate transformation about a common point - to simplify the interpretation of drill cross sections.</li> <li>Down-hole surveys are routinely undertaken at 25-30m intervals for all types of drilling, using a single-shot or multi-shot REFLEX survey tool (operated by the driller and checked by the supervising geologist). Due to the hole being too shallow to collect an accurate reading, no downhole surveys were taken on the near surface, oxide material drill programme.</li> <li>This drill spacing is considered to be sufficient to establish geological and grade continuity appropriate for the declaration of estimates of resources.</li> <li>No samples within a "zone of interest" are ever composited.</li> </ul>
Data spacing and distribution	<ul style="list-style-type: none"> <li>Data spacing for reporting of Exploration Results.</li> <li>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.</li> <li>Whether sample compositing has been applied.</li> </ul>	<ul style="list-style-type: none"> <li>Drill holes are usually designed to intersect target structures with a "close-to-orthogonal" intercept.</li> <li>Most of the drill holes intersect the mineralised zones at sufficient angle for the risk of significant sampling orientation bias to be low.</li> </ul>
Orientation of data in relation to geological structure	<ul style="list-style-type: none"> <li>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</li> <li>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.</li> </ul>	
Sample security	<ul style="list-style-type: none"> <li>The measures taken to ensure sample security.</li> </ul>	<ul style="list-style-type: none"> <li>The chain of custody for all drill samples from the drill rig to the ALS Sample Preparation facility in Phnom Penh is managed by Renaissance personnel. AC/RC drill samples are transported from the drill site to the Okvau field camp, where they are logged and all samples are batched up for shipment to Phnom Penh.</li> <li>Sample submission forms are sent to the ALS Sample Prep facility in paper form (with the samples themselves) and also as an electronic copy. Delivered samples are reconciled with the batch submission form prior to the commencement of any sample preparation.</li> <li>ALS is responsible for shipping sample pulps from Phnom Penh to the analytical laboratories in Vientiane, Brisbane and Perth and all samples are tracked via their Global Enterprise Management System.</li> <li>All bulk residues are stored permanently at the ALS laboratory in Vientiane.</li> </ul>
Audits or reviews	<ul style="list-style-type: none"> <li>The results of any audits or reviews of sampling techniques and data.</li> </ul>	<ul style="list-style-type: none"> <li>All QAQC data are reviewed routinely, batch by batch, and on a quarterly basis to conduct trend analyses, etc. Any issues arising are dealt with immediately and problems resolved before results are interpreted and/or reported.</li> <li>Comprehensive QAQC audits have been conducted on this project by Duncan Hackman (August 2009, February 2010 &amp; November 2011), SRK (February 2013) and Nola Hackman (January 2014), Wolfe (July 2015).</li> <li>Mr Brett Gossage reviewed the data used in the Okvau Resource up to December 2016 and concluded that there are no concerns about data quality.</li> </ul>

## Section 2 Reporting of Exploration Results

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

Criteria	Explanation	Commentary
Mineral tenement and land tenure status	<ul style="list-style-type: none"> <li>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.</li> <li>The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</li> </ul>	<ul style="list-style-type: none"> <li>The Okvau drill programme is located within the Okvau exclusivity licence and within the 11.5km<sup>2</sup> that is currently under the application for an Industrial Mining Licence. Both the licences are held or applied for (100%) in the name of Renaissance Minerals (Cambodia) Limited which is a wholly owned subsidiary of Emerald Resources NL.</li> <li>Industrial Mining Licence was issued on 27th June 2018.</li> <li>Tenure is considered secure.</li> </ul>
Exploration done by other parties	<ul style="list-style-type: none"> <li>Acknowledgment and appraisal of exploration by other parties.</li> </ul>	<ul style="list-style-type: none"> <li>Renaissance Minerals (Cambodia) Ltd was formerly named OZ Minerals (Cambodia) Ltd, a 100% owned subsidiary of OZ Minerals Ltd. OZ Minerals was formed in 2009 by the merger of Oxiana Ltd (who initiated the Okvau Project) and Zinifex.</li> <li>Oxiana and OZ Minerals completed the following work at Okvau between 2006 and 2011: a resource drill-out of the Okvau deposit; plus, a regional geological interpretation of Landsat imagery; stream sediment geochemistry, with some soil sampling follow-up; airborne magnetic and radiometric surveys over both ELs, and various ground geophysical surveys (including gradient array IP); geological mapping and trenching; and the initial drill testing of various exploration targets.</li> </ul>
Geology	<ul style="list-style-type: none"> <li>Deposit type, geological setting and style of mineralisation.</li> </ul>	<ul style="list-style-type: none"> <li>The Okvau deposit is interpreted as an "intrusion-related gold system". It is hosted mostly in Cretaceous age diorite and, to a lesser extent, in surrounding hornfels (metamorphosed, fine-grained clastic sediments). Gold mineralization is hosted within a complex array of sulphide veins, which strike northeast to east-west, and dip at shallow to moderately steep angles, to the south and southeast.</li> <li>Mineralisation is structurally controlled and mostly confined to the diorite. The highest-grade intersections generally occur at the diorite-hornfels contact.</li> <li>The host diorite at Okvau is one of numerous similar Cretaceous-aged intrusions in eastern Cambodia, which are believed to be related to an ancient subduction zone that was located to the east, off the coast of current Vietnam.</li> </ul>
Drill hole Information	<ul style="list-style-type: none"> <li>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:             <ul style="list-style-type: none"> <li>easting and northing of the drill hole collar</li> <li>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</li> <li>dip and azimuth of the hole</li> <li>down hole length and interception depth</li> <li>hole length.</li> </ul> </li> <li>If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.</li> </ul>	<ul style="list-style-type: none"> <li>Details of significant drilling results are shown in Appendix One.</li> </ul>
Data aggregation methods	<ul style="list-style-type: none"> <li>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.</li> <li>Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.</li> <li>The assumptions used for any reporting of metal equivalent values should be clearly stated.</li> </ul>	<ul style="list-style-type: none"> <li>Drill intercepts are identified at a 0.5g/t Au cut-off grade, with a continuous internal dilution of 4m (in any single zone of waste). A weighted average grade is calculated as the sum of the products of sample length and grade for each sample in the relevant interval, divided by the total length of the interval. All intercepts reported have a value greater than 2 gram metres.</li> <li>No high grade top cuts have been applied.</li> <li>No rounding has been applied.</li> <li>All results reported are gold only.</li> </ul>
Relationship between mineralisation widths and intercept lengths	<ul style="list-style-type: none"> <li>These relationships are particularly important in the reporting of Exploration Results.</li> <li>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</li> <li>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').</li> </ul>	<ul style="list-style-type: none"> <li>Most of the drill holes intersect the mineralised zones at sufficient angle for the risk of significant sampling orientation bias to be low.</li> <li>The drill programme was planned with a consistent dip and azimuth (-60 degrees towards 315) due to floor conditions, some holes were drilled with a vertical dip.</li> </ul>
Diagrams	<ul style="list-style-type: none"> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>Appropriate maps and sections are included in the body of this release.</li> </ul>
Balanced reporting	<ul style="list-style-type: none"> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>All significant drilling results being intersections with a minimum 2 gram metre values are reported in Appendix One.</li> </ul>



Criteria	Explanation	Commentary
Other substantive exploration data	<ul style="list-style-type: none"> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>Surface geological mapping and detailed structural studies have helped inform the geological model of the Okvau Deposit.</li> <li>The Company has completed a Definitive Feasibility Study, the results of which are reported the release dated 1<sup>st</sup> May 2017. The DFS included metallurgical, geotechnical and hydrological studies.</li> </ul>
Further work	<ul style="list-style-type: none"> <li>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</li> <li>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</li> </ul>	<ul style="list-style-type: none"> <li>Further drilling is being undertaken at the Okvau Deposit, including infill drilling and extensional drilling to test lateral and depth extensions of the known mineralisation</li> <li>Further drilling will be undertaken to test new regional targets, as potential is recognized.</li> </ul>