

# Indochine Mining Ltd Mt Kare, PNG

Advanced Exploration Opportunity Targeting High Grade Feeder Zones at Depth

Investor Update | December 2014



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#### **Competent Persons Report**

The information in this presentation that relates to Exploration Results is based on information compiled by Anthony W. Burgess who is an employee of Indochine and fairly represents this information. Mr Burgess is a member of the Australasian Institute of Mining and Metallurgy and has sufficient experience of relevance to the styles of mineralisation and the type of deposit under consideration, and to the activities undertaken, to qualify as Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code). Mr Burgess has consented to the inclusion in this presentation of the matters based on his information in the form and context in which they appear.

Unless otherwise stated all cashflows are in Australian dollars, are undiscounted and are not subject to inflation/escalation factors and all years are calendar years. Indochine has concluded it has a reasonable basis for providing the forward looking statements included in this presentation. Indochine has prepared this presentation based on information available to it at the time of preparation. No representation or warranty, express or implied, is made as to the fairness, accuracy or completeness of the information, opinions and conclusions contained in the presentation. To the maximum extent permitted by law, Indochine, its related bodies corporate (as that term is defined in the Corporations Act 2001 (Cth)) and the officers, directors, employees, advisers and agents of those entities do not accept any responsibility or liability including, without limitation, any liability arising from fault or negligence on the part of any person, for any loss arising from the use of the Presentation Materials or its contents or otherwise arising in connection with it.



#### Overview

- 1. Update the market on IDC
- 2. Provide details of the proposed exploration strategy planned for 2015
- 3. Generate support for a capital raising in early 2015
- 4. Progress a dual listing on AIM





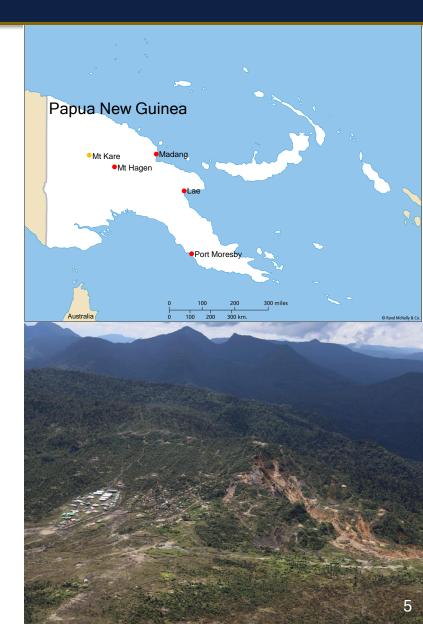
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We are Mobilising - are you with us?	Sir Samuel Jonah



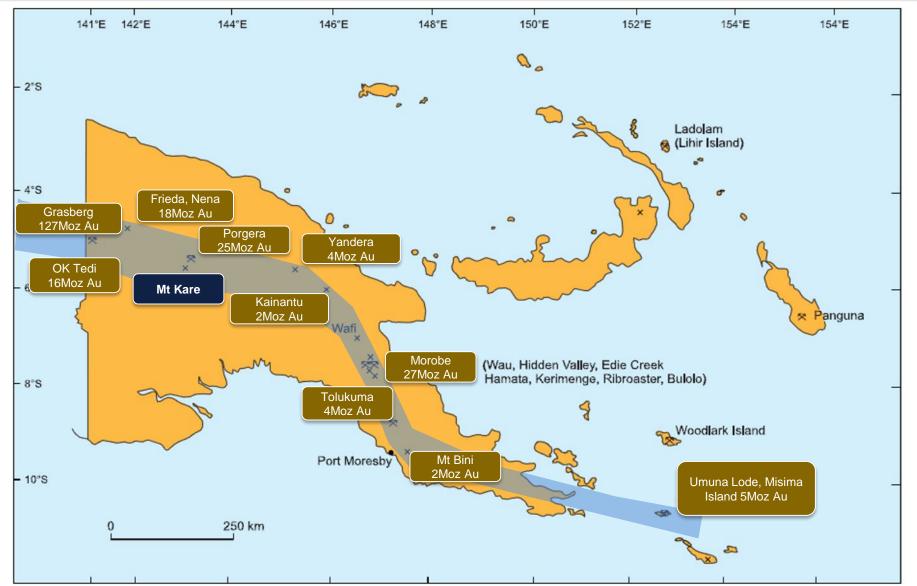
#### Introduction

- Mt Kare is situated on EL1093, which covers an area of 220km<sup>2</sup>
- EL1093 is owned by Summit Development Limited, a PNG registered Company
- Summit is wholly owned by Indochine Mining Limited, a company listed on the Australian Securities Exchange
- Mt Kare is 600km north west of Port Moresby in Papua New Guinea
- Located 15km southwest of Barrick's world class Porgera Gold Mine (25M oz Au)
- Mt Kare is situated in a world class gold belt containing > 150M oz Au





### Mt Kare – Situated in a World Class Gold Belt





### History of Mt Kare

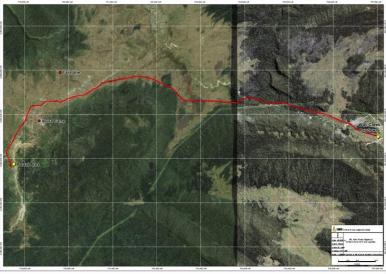
- Gold was first discovered at Mt Kare in 1987 by CRA (now Rio Tinto)
- Illegal mining between 1988 and 1990 is estimated to have extracted 1M (+) ounces of Au
- Various companies undertook exploration and alluvial mining over the next 23 years but complex landowner issues prevented overall development of the project
- In 2008 the owners of Mt Kare were placed in administration
- In Feb 2011 the PNG Government approved transfer of EL1093 to Summit, a company controlled by a PNG family
- In April 2011 Indochine acquired Mt Kare by assuming control of Summit
- Over \$126m of exploration expenditure has been spent on the project to date





#### Access to site and facilities

- Aircraft fly into Mt Hagen (third largest city in PNG), which is 145km east of Mt Kare
- Access to Mt Kare is then via a one hour helicopter commute
- Access from early 2015 will be via a 6km vehicle track to connect with the Enga Highway which is the supply route for the Porgera Mine
- Fully functioning 100 man camp with in situ power supply and communication via satellite
- Water is sourced from nearby creeks and potable water is harvested from rainwater
- Waste is controlled under an environmental management plan
- Medical facilities maintained at site with emergency evacuation plan







## Key People

	Board of Directors / Senior Adviser / Senior Management
Sir Samuel Jonah <b>Senior Adviser</b>	<ul> <li>Adviser to the Company to assist with the upcoming fund raising and continued development of Mt Kare.</li> <li>Internationally recognised as a leading business executive with an extensive track record of successfully leading major gold projects around the globe, including numerous roles with AngloGold Ashanti Ltd.</li> <li>Currently serves on the boards of numerous public and private companies. He is a director of Vodafone Group Plc and sits on the Bank of America Global Advisory Council.</li> <li>Following completion of the upcoming capital raising, it is expected that Sir Samuel will be appointed Chairman of the Company's Board of Directors.</li> </ul>
Dermott McVeigh <i>Executive</i> <i>Chairman</i>	<ul> <li>Appointed to the Board in July 2014 to lead its turnaround.</li> <li>Chartered Accountant in Australia and Ireland, former partner of Deloitte Touche Tohmatsu in Australia.</li> <li>Commercial restructuring specialist with over 15 years of experience in the mining and mining service industry.</li> </ul>
Craig Dawson Non-Executive Director	<ul> <li>Mining Engineer with over three decades of experience in Australia and Africa.</li> <li>Multiple roles in companies including Lion Ore/Norilsk Nickel Australia, Northern Mining Limited, Aditya Birla Minerals Limited and Sandfire Resources NL, and most recently as the CEO of Nobel Mineral Resources in Ghana.</li> </ul>
Keith Murray <b>Non-Executive</b> Director	<ul> <li>Career spanning over 30 years' with experience in audit and accounting, principally as a financial controller and company secretary in contract mining companies, as well as in retail operations.</li> <li>Currently General Manager Corporate and Company Secretary with Heytesbury Group.</li> </ul>
George Niumataiwalu Country Manager & Project Director	<ul> <li>Experienced Mining Engineer with over 20 years' experience in the Austral Asian region.</li> <li>Previously PNG country manager and head of Morobe Consolidated Goldfields Limited, the owners of the world class Hidden Valley gold/silver and Wafi-Golpu projects. Delivered landowner agreement, fully permitted mining lease and environmental approvals for Hidden Valley with 24 months.</li> <li>MBA and MPA from Harvard University.</li> </ul>
Anthony Burgess Chief Geologist	<ul> <li>Resource Geologist with over 35 years experience including 11 years at the adjacent Barrick Gold Porgera mine.</li> <li>During his time at Porgera, Tony added nine million additional gold ounces of open pit and underground gold ore into reserves.</li> </ul>



### Strategic Partnerships

#### **Australian Contract Mining Pty Ltd**



- Specialist underground mining contractor and exploration driller
- History of fast & cost efficient underground mining
- Highly experienced management team and workforce
- Providing innovative mining solutions using the latest in mining technology

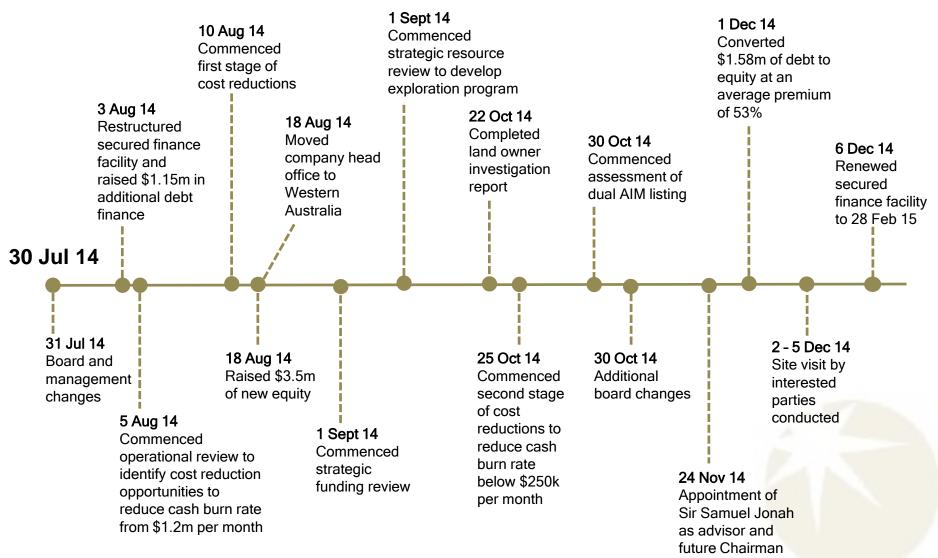
#### **GR Engineering Services**



- ASX listed engineering, consulting and mining contracting company (ASX:GNG)
- Treatment plant specialists feasibility studies, design, EPC
- Track record of making projects work in difficult locations
- Built plants across Australia, Asia (including Simberi, PNG)



#### **Timeline of Recent Developments**





#### **Tenement Status & Landowner Outcomes**

- · Conditions of exploration licence satisfied and tenement renewal submitted
- The PNG government has confirmed that the Company's license over the tenement continues during the renewal process and ratification of 2 year extension to EL1093 expected in early 2015 following successful completion of a warden's hearing on site
- Landowner investigation study and report ("LIR") completed and signed off by Government Authorities
- LIR hailed by Government as innovative and a watershed change with landowner relationships
- Excellent relations maintained with PNG Government



Govenor of the Enga province in Papua New Guinea signing the land owner investigation report



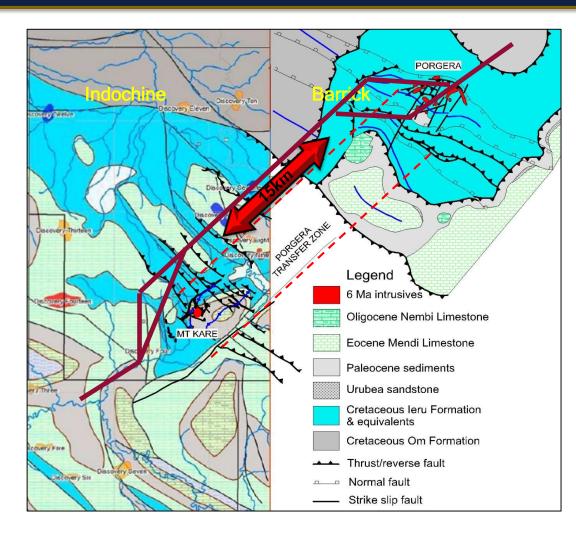
### Mt Kare and Porgera: Similar Projects?

- Mt Kare is located 15km southwest of Barrick's world class Porgera Gold Mine (25Moz Au)
- Porgera Gold Mine commenced production in 1990 and is the second largest gold mine in PNG
- Total production from Porgera to 2013 has totalled 18Moz
- Zone 7 at Porgera yielded 5.1Moz Au from 5.7M tonnes at an average grade of 28 g/t.

Project geology mirrors the neighbouring 25Moz Porgera Gold Mine



#### Mt Kare and Porgera: Similar Projects?



Mt Kare shares many similarities to Porgera; including:

- Similar geology and setting
- Similar high grade gold zones and large gold systems

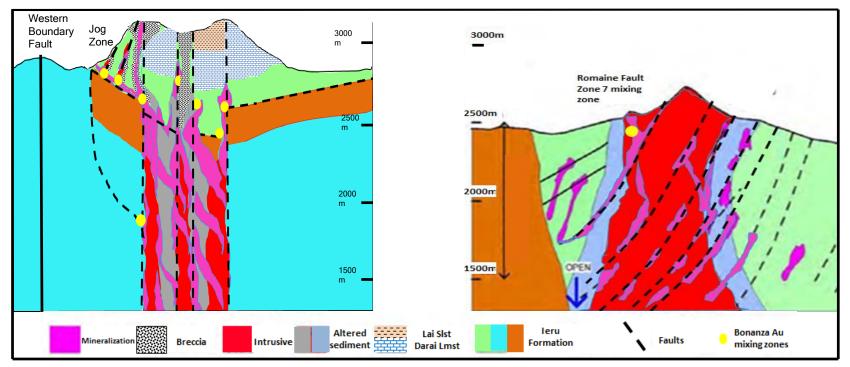
Porgera started with an exploration adit and underground mining of high grades

Deformation jogs 15 km apart on the same continental scale transfer structure



### Mt Kare and Porgera: Similar Projects?

**Mt Kare** Intrusions into 2 km wide Boundary Transfer Fault with jog on western side. Resources of 2.1 Moz Au hosted in jog with 3 bonanza grade mixing zones identified. Limestone cap in place over major fault zone with potential for large hydrothermal system above intrusives. **Porgera** 6 km wide circular intrusion in dilatational jog which is part of a large pull apart basin on the Porgera Transfer Structure. Mineralisation largely hosted in EW trending splay faults with Zone 7 yielding 5.1 Moz Au. Limestone cap removed by erosion.



Both deposits have same host sequence, intrusives and mineralisation styles but occur at different structural levels and display dissimilar structural architectures.



#### Bonanza grades at Mt Kare

#### Best Drill Intersections - Indochine

							gram- metres	
#	Drillhole	From	То	Interval	Au g/t	Ag g/t	Au	Zone
1	122SD11	59	76.7	17.7	100.3	134	1775	BZ
2	146SD12	78	116	38	20.8	57	790	BZ
3	132SD12	6	84	78	6.0	19	466	WRZ
4	133SD12	11	63	52	6.7	23	350	WRZ
5	123SD11	56.8	93.2	36.4	6.2	232	226	BZ
6	150SD12	62	104	42	4.9	62	206	WRZ
7	126SD12	99	120	21	5.5	625	115	WRZ
8	154SD12	49	64	15	6.1	42	92	BZ
9	183SD12	4	115	111	9.8	195	1088	BZ
10	185SD13	61	82	21	13.6	140	286	BZ
11	188SD13	36	50	14	15.3	9	214	WRZ
12	181SD12	64	85	21	5.8	70	121	BZ
13	187SD13	36	51	15	8.0	7	120	WRZ
14	180SD12	62	85	23	4.7	46	108	BZ
15	207SD13	87	106	19	5.3	129	101	WRZ
16	186SD13	20	35	15	5.7	7	86	WRZ

#### **Best Drill Intersections - Historical**

							gram- metres	
	Drillhole	From	То	Interval	Au g/t	Ag g/t	Au	Zone
1	MK9705	37.5	58	20.5	443.9	164	9100	WRZ
2	MK99146	84	96	12	173.5	74	2082	WRZ
3	MK9717	84	142.5	58.5	11.7	37	684	WRZ
4	MK15	68	82	14	28.4	213	398	BZ
5	MK9744	159	177	18	20.6	65	371	WRZ
6	MK9706	67.5	82.5	15	23.3	145	350	BZ
7	P167	43.5	52.5	9	29.3	13	264	WRZ
8	MK9782	82.5	118.5	36	6.5	36	234	WRZ
9	MK98132	70.5	96	25.5	9.0	85	230	BZ
10	MK9773	76.5	109.5	33	6.5	45	215	WRZ
11	MK98116	33	66	33	6.2	33	205	BZ
12	MK9897	255	268.5	13.5	9.4	15	127	C9
13	MK22	147	169	22	5.6	93	123	WRZ
14	MK98126	58.5	78	19.5	6.3	48	123	BZ
14	MK9716	132	141	9	12.3	23	111	WRZ

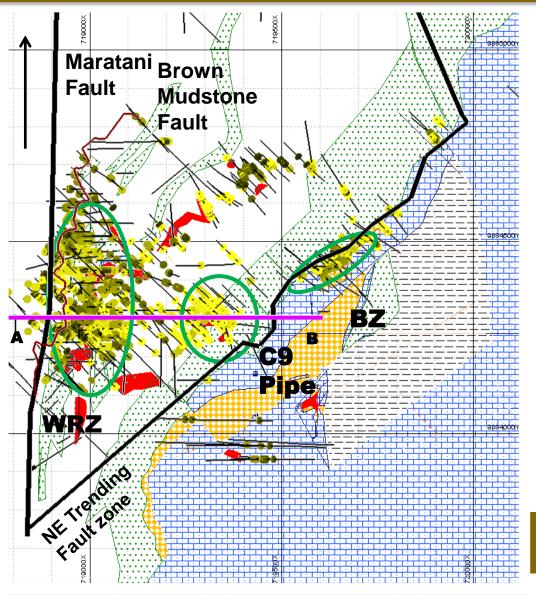


### Strategy - High Grade Feeder Zones

- Previous drilling has identified excellent examples of very high grade veins near surface
- Geological test work has enabled IDC to identify patterns and vectors leading to mineralisation, paving the way for potential high grade discoveries below existing near surface resources
- Strategy is therefore to target the high grade "feeder zones" at depth that provide the mineralisation already identified at surface



#### Strategy - High Grade Feeder Zones

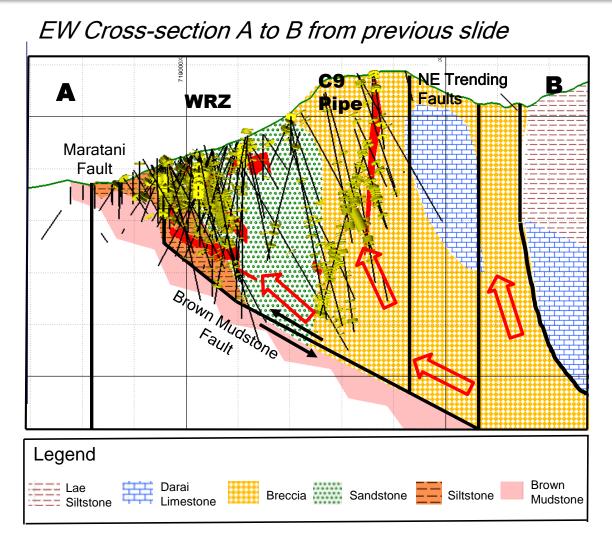


- Late stage low silver gold mineralisation represents 70% of the contained gold at Mt Kare and Porgera deposits.
- Distribution of mineralisation is grouped within two structural features:
  - along the Maratani Fault and above the east dipping Brown Mudstone fault and
  - with the NE trending Fault
     Zone at the C9 Pipe and the
     Black Zone
- The following slide shows a EW section A - B through the WRZ and the C9 Pipe

Low silver gold mineralisation – a vector to the source structures



### Strategy - High Grade Feeder Zones



- Both the Brown Mudstone (BM) and the Darai Limestone act as barriers directing the flow of mineralising and hydrothermal fluids.
- The association of alteration and intrusives with the sedimentary rocks above the listic style BM Fault infers synchronous movement with intrusion emplacement from the south east.
- Late stage low silver gold magmatic fluids flowed from source structures in the SE into host structures within the deformation jog as revealed by the distribution of mineralisation.

#### Lithological and structural controls on mineralising fluid flows



#### **Exploration Plan**

#### Surface drilling plan

Three deep surface holes drilling program for 2 – 3 months and commencing Q1, 2015.

Geological target for drilling program:

- (+) 2Moz of Au
- Grading at 10 15 g/t Au
- Ore widths of > 5 metres
- Up to 10M tonne target size

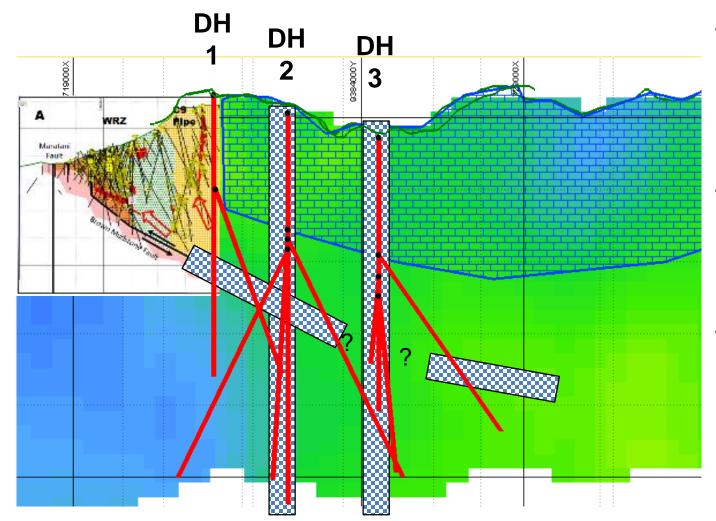
#### **Underground drilling plan**

Construction of 775m (up to 1,550m) exploration adit to allow:

- Exploration drilling of kasi alluvial mine zone
- Resource definition drilling of C9 pipe SWRZ corridor
- Reserve definition drilling of NWRZ
- Resource definition down dip of NWRZ for repeats



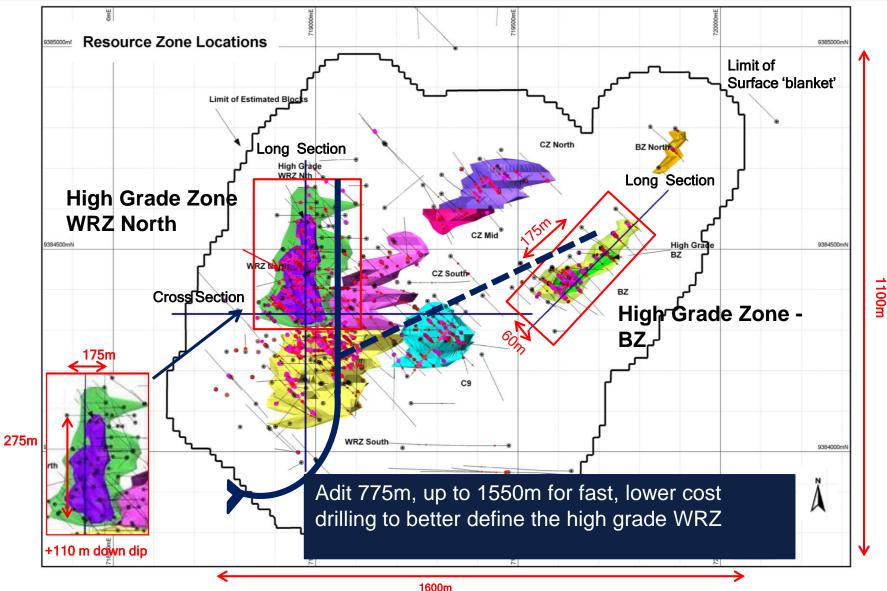
### Surface Drilling Place



- Drill Hole 1 targets the Brown Mudstone Fault and below while daughter hole 1 targets NE Trending Margin Fault.
- Drill Hole 2 and daughter holes targets the NE Trending Margin Fault and deeper areas to the SE.
- Drill Hole 3 and daughter holes targets a major NS Trending Fault that segments the major fault zone and deeper areas to the SE.



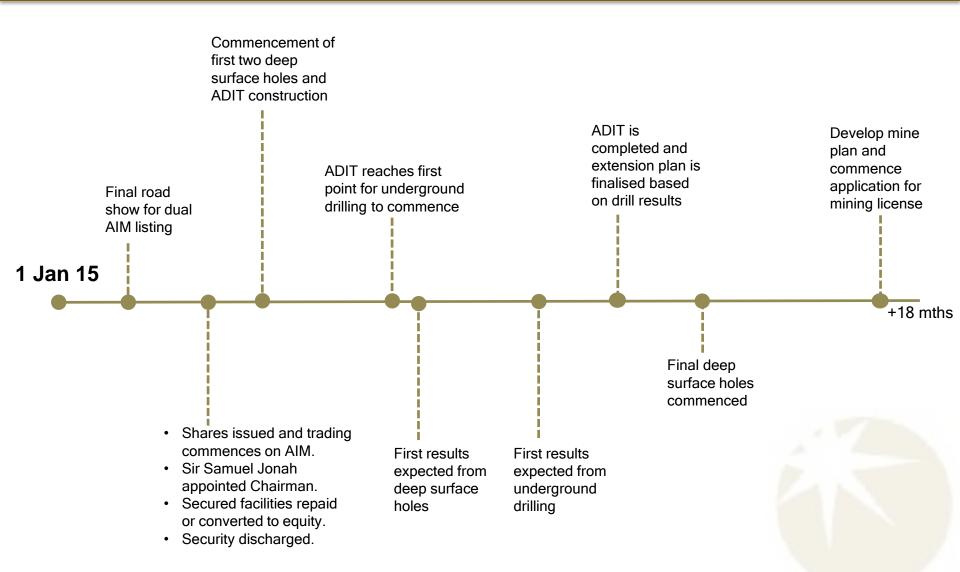
# Underground Drilling Plan



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#### **Estimated Project Schedule**





### We are Mobilising

ACM has mobilised the following equipment to PNG:

- Liebherr 944 Tunnelling Excavator
- Sandvik two boom Jumbo Drill Rig
- Sandvik LH517 Loader
- Four (4) sea containers of spare parts and consumables





- 1. Mt Kare is situated in a world class gold belt with gold resources >150Moz
- 2. Adjacent to and shares similar geology to the 25Moz Porgera Gold Mine
- 3. Exploration drilling to date has targeted near surface resources with open pit potential
- 4. The significant opportunity is to target the high grade "feeder zones" at depth that provide the mineralisation identified at surface.



### Appendix 1 - Corporate Details

I			
(All v	values in AU\$)		Audited financial position @ 30 June 14
ASX	/ POMSox Code	IDC	Current accests
Share price (@ 8 Dec 2014)		A\$0.012	Current assets Cash
52 w	veek range	\$0.012 - \$0.088	Receivables Term deposits
Shar	res outstanding	1,287M	Total current assets
Mark	ket Capitalisation	\$15.44M	Non current assets
Ente	erprise value	\$24.9M	Plant & equipment
Casł	h (@ 8 Dec 2014)	\$.25M	Exploration costs Other financial assets
Top S	Shareholders	%	Total non current assets
			Total assets
1	MCA Nominees	11.5	Liabilities
2	Baker Steel Capital	10.3	Trade payables
			Provisions Borrowings
3	Genesis Investment Management	9.0	Total liabilities
4	Capital Group	6.1	Net assets
		••••	

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2	6

**\$000** 497 787 <u>395</u> 1,678

936 88,890

2

89,828

91,506

6,739 762 1,962 9,462

82,044