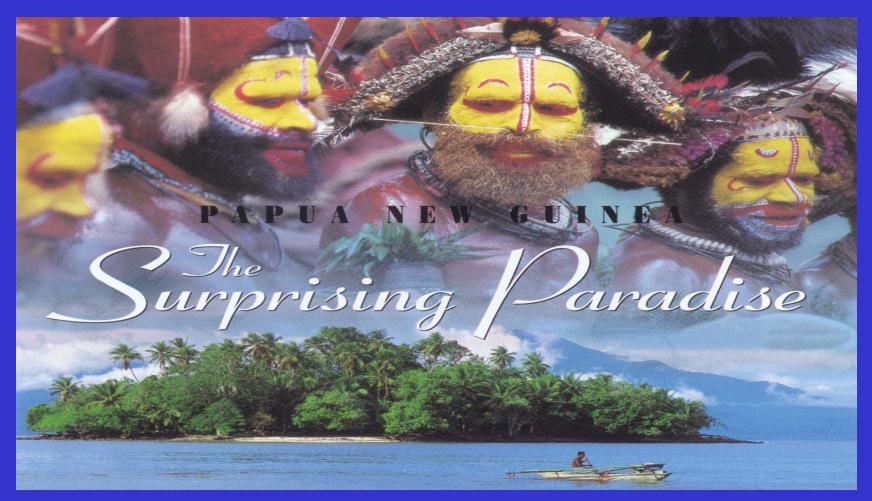
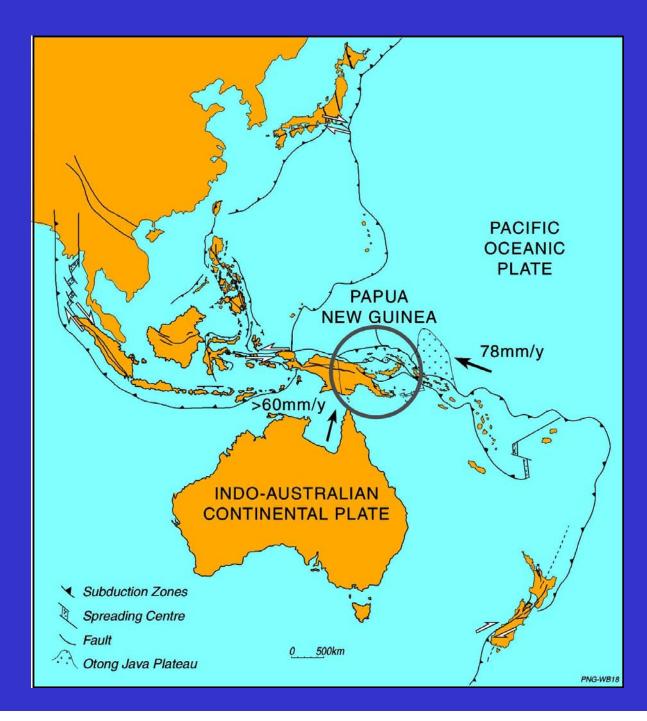
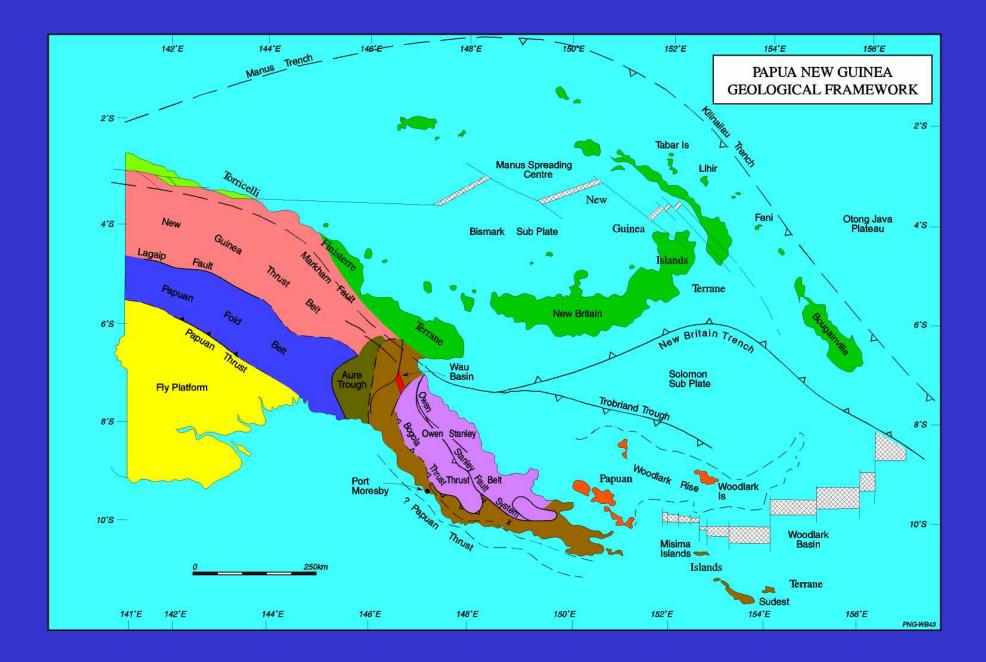
OVERVIEW OF MINING PROJECTS IN PNG



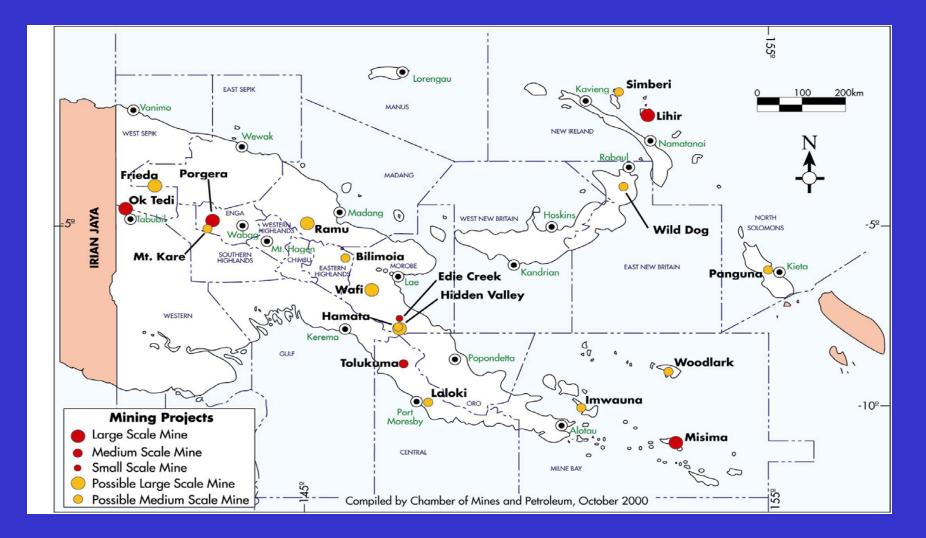
Terry Leach Symposium – Sydney. 17 October 2008

- Terry Leach held his first workshop on petrology for geologists in Bulolo PNG for Highlands Gold
- Long association with PNG and made a significant contribution to unlocking the mineral wealth of the country
- Many ideas initially developed in PNG and refined elsewhere provide a platform for understanding the processes of orebody formation and discovery.



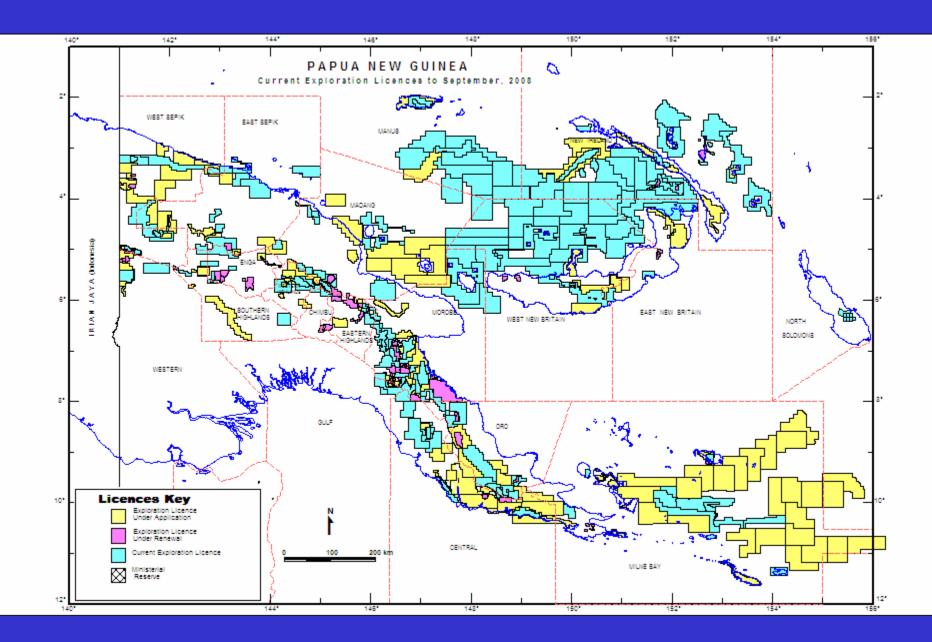


Mining Projects



CURRENT STATUS

- 8 producing mines (Ok Tedi, Porgera, Lihir, Tolukuma, Kainantu, Sinivit, Simberi and Edie Creek)
- 3 under construction (Ramu Ni, Hidden Valley Au/Ag, Nautilus Cu/Au)
- 4 in scoping/ feasibility (Frieda River, Yandera & Wafi/Golpu and Woodlark)
- 364 Exploration Licence (110 offshore 246,000km2 254 onshore – 152,000km2)



Production

2007

- Copper
- Gold
- Silver

192,216 t 57.98 t (1,864,042oz) 60.66 t (1,950,356oz)

Estimate 2012

- Copper 438,000 t
- Gold 92 t
- Nickel 33,000 t
- Cobalt 3,200 t

COMMODITIES SOLD - EXPORTED 2007

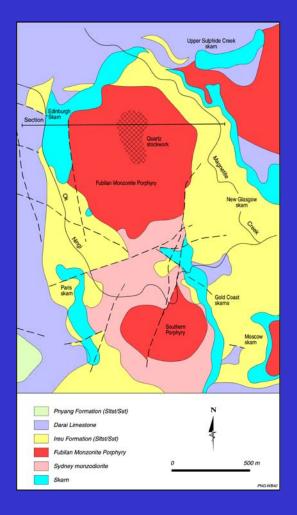
	Gold Production		Silver Production		Copper Production	
Mine	(kgs)	(ozs)	(kgs)	(ozs)	(tonnes)	(lbs)
Porgera	16,031	515,415	4,482	144,089	0	0
Ok Tedi	16,609	533,998	50,511	1,623,952	192,216	423,759,394
Lihir	21,394	687,827	_	-	0	0
Tolukuma	1,295	41,630	5,671	182,314	0	0
Kainantu	384	12,343	-	_	0	0
Alluvial	2,265	72,829	n/a	n/a	0	0

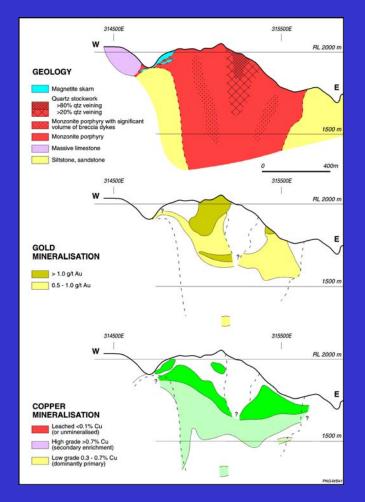
Total:	57,978	1,864,042	60,663	1,950,356	192,216	423,759,394

Ok Tedi



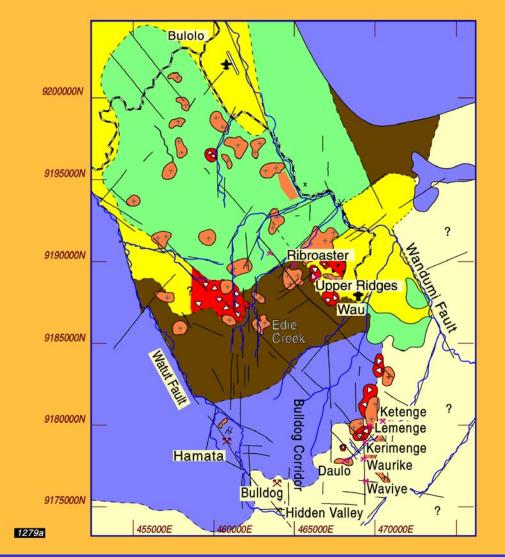
Ok Tedi – Porphyry Cu Au





Ok Tedi

- May 1984 gold production
- 1987 copper/gold concentrate production
- 25 years production
- 3.8M t Copper
- 10.6M oz Gold
- 13M oz Silver
- Currently going underground Closure 2013

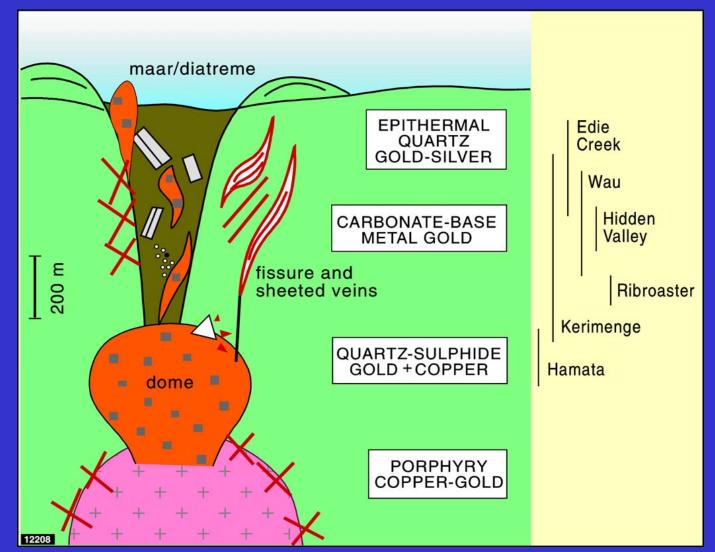




Corbett

- Historic mining area in PNG since 1926
- Experiencing major revival
- Hidden Valley in construction
- Edie Creek expansion
- Wau mine closed

- Wau Deposit 1 million oz 1923- 1990
- Hamata 500,000ozHidden Valley 3.5 million oz
- Kerimenge +1 million oz
- Edie Creek Area 1-2million oz



Edie Creek

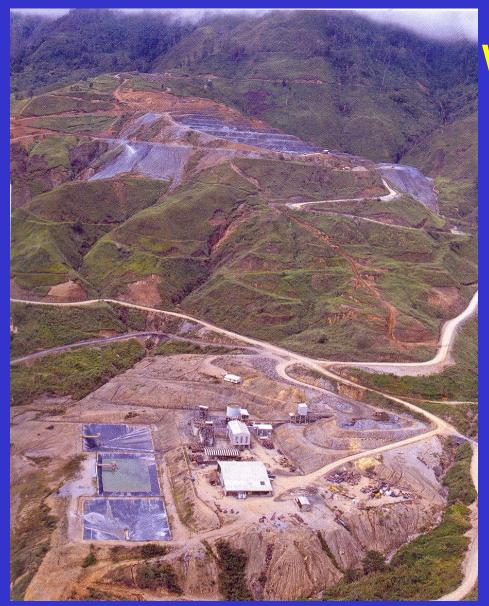




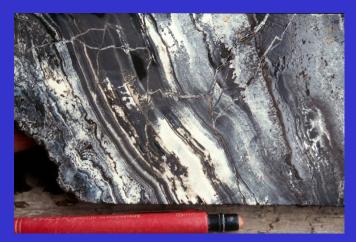
Bonanza Veins



Banded Carbonate



Wau Mine 1987

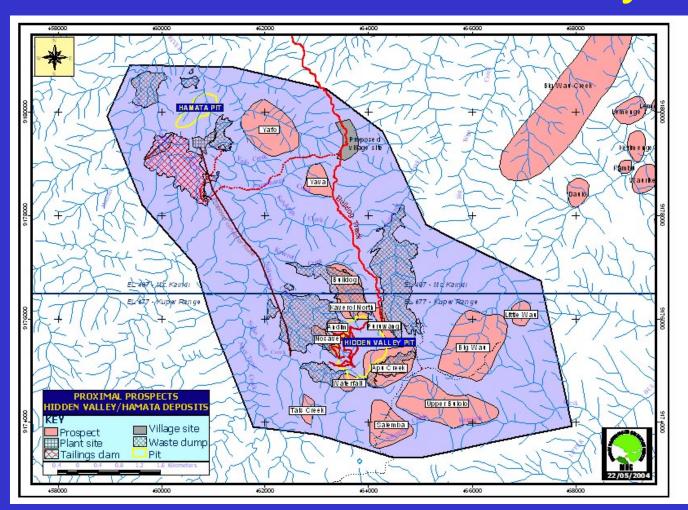


Banded Carbonate ore



Namie Breccia

Hidden Valley



Planned commissioning Q2 2009

300,000 oz Au

Hidden Valley

Reserves

	M Tonnes	g/t	K ozs
Au Reserve	44.7	2.0	2,872
Ag Reserve	38.1	34	41,759
Au Resource	91.4	1.9	5,471
Ag Resource	84.7	32.8	89,578

Project Summary

Mine Life	Years	9.7
Ore Tonnes	M Tonnes	41.9
Au Grade	g/t Au	2.1
Ag Grade	g/t Ag	38
Au Recovered	Ounces (000's)	2,664
Ag Recovered	Ounces (000's)	38,135
Project Capital	A\$M	475
Cash Cost	US\$/oz	207

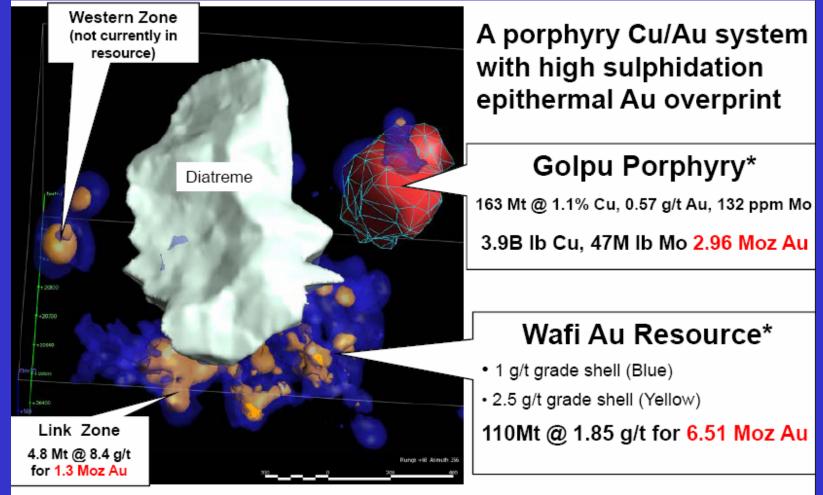
Hidden Valley



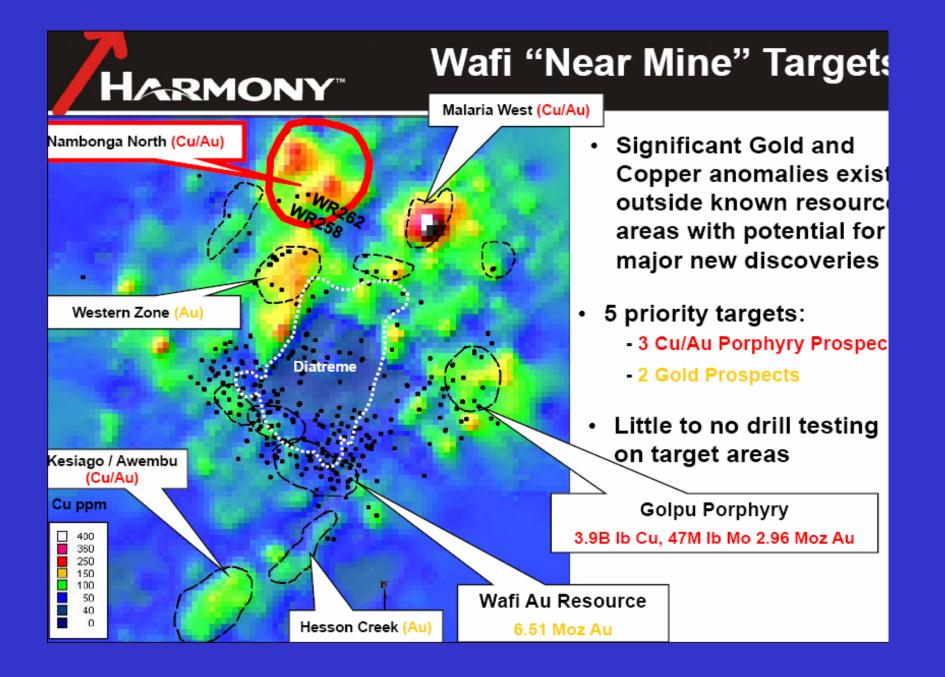
Hidden Valley Road

Tailing Dam construction

Wafi / Golpu



* Resource inventory available on the Harmony website



Porgera



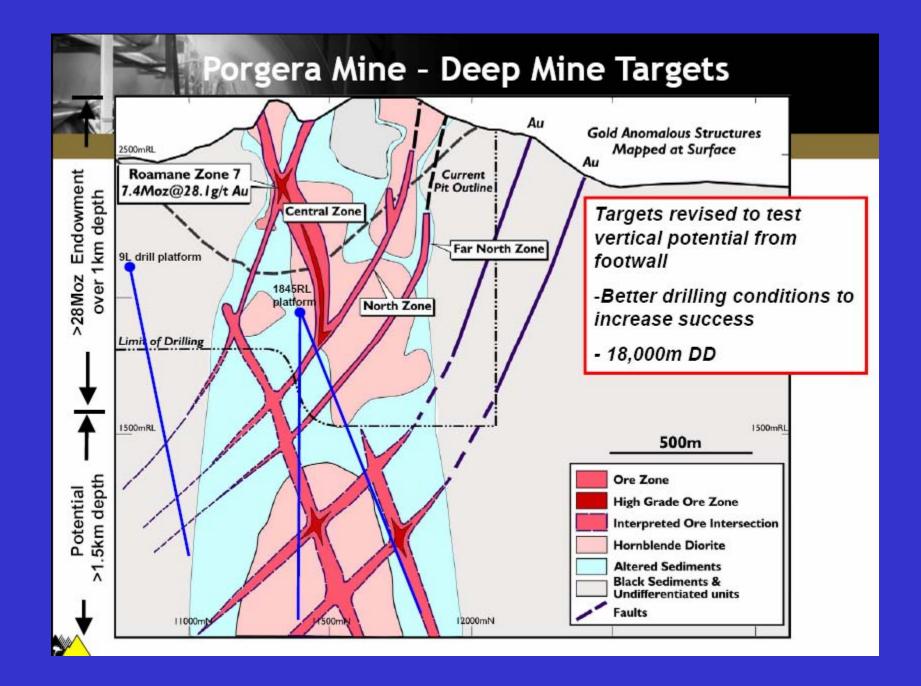
Before

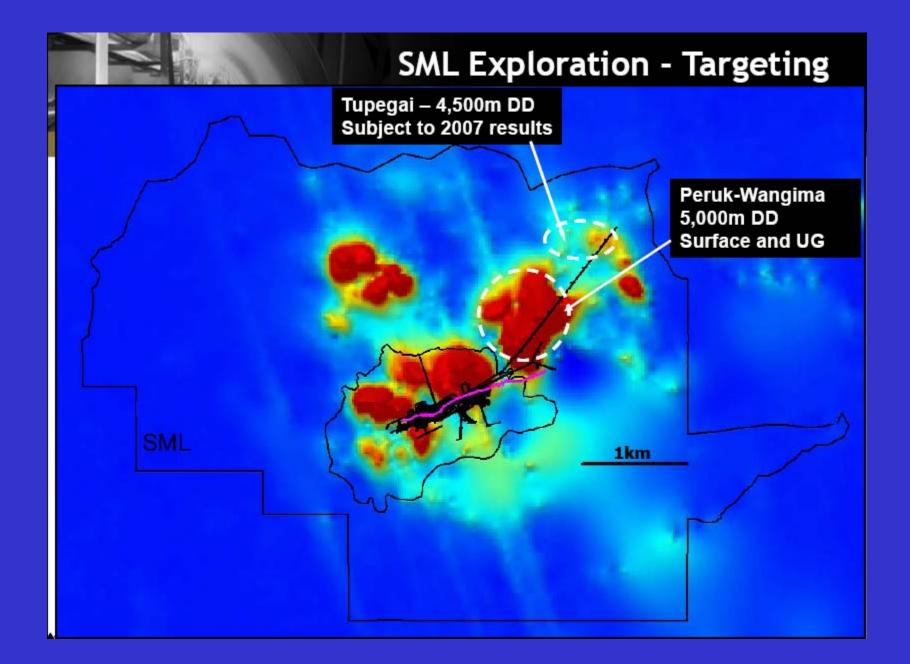
Now

1990-2003 – 12.22M oz Au 2.23M oz Ag 2006 reserves 77.26Mt @ 3.79g/t Au (9.4M oz) Underground production increasing to 60% of Au

Porgera







Mt Kare

Major rush in 1988 Multiple owners 25.5 million t @ 2.2/t Au and 29g/t Ag Scoping study completed





Mt Kare







Lihir













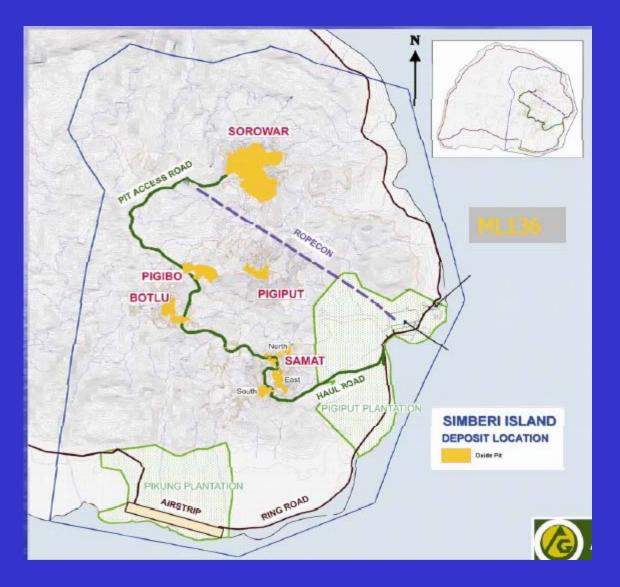




Lihir



Simberi







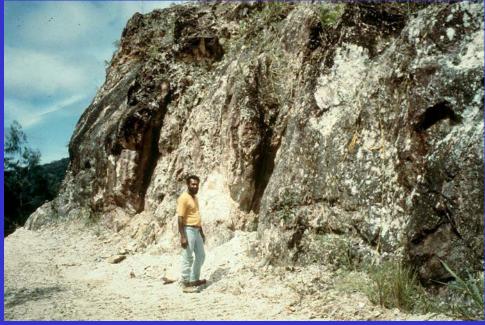
Simberi

	Million Tonnes	Grade (g/t Au)	Oz Au
Proved	9.70	1.38	430,000
Probable	5.17	1.46	243,000
TOTAL Reserves	14.87	1.41	673,000
Inferred Resources	2.90	1.20	112,000
GRAND TOTAL	17.77	1.37	785,000

Commenced production Dec 2007 Annualized production 84,000oz

Sinivit

Only vat leach operation in PNG - 30,000 oz /y



Wild dog Vein Outcrop



Tolukuma

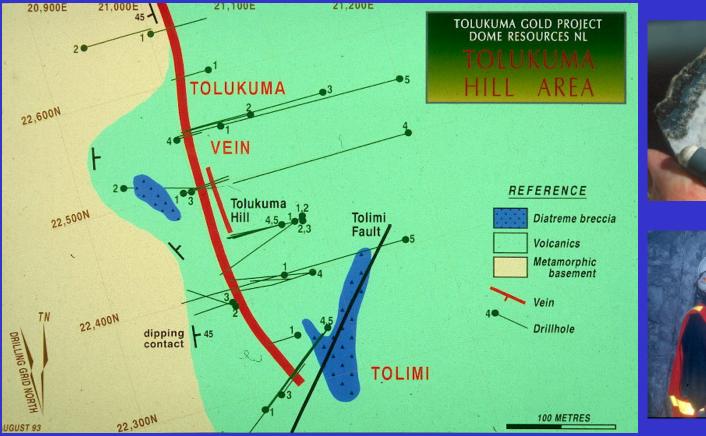


Commenced open pit 1995. Underground 1998 Produced + 1Moz Au and 2.5M oz Ag

Currently operated by Petromin

Tolukuma

Banded chalcedony-ginguro Au-Ag vein system







Tolukuma

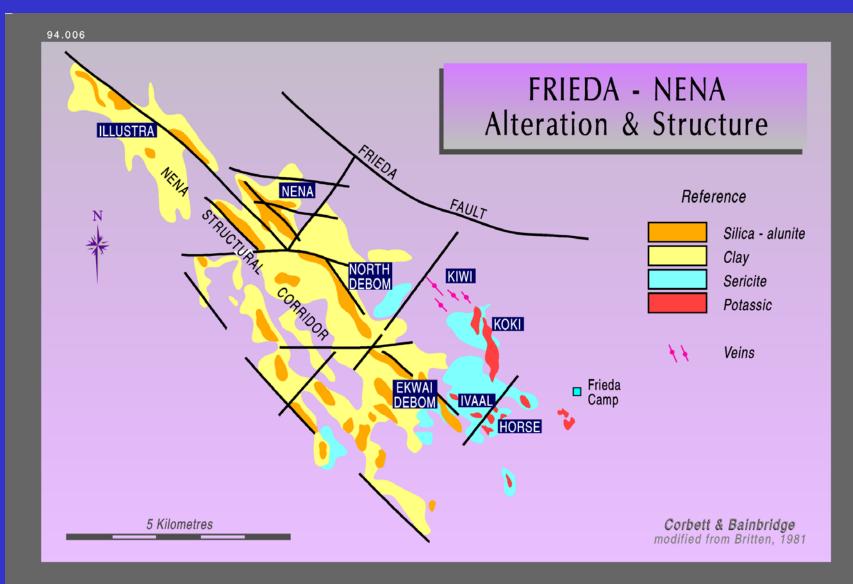






View of view outcrop

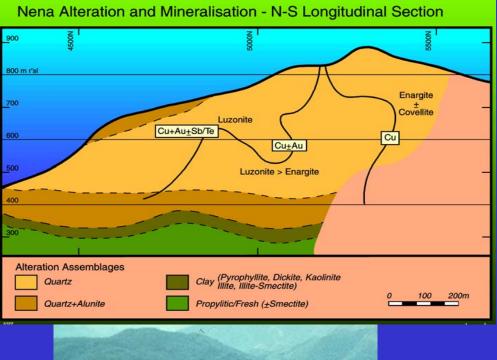
Frieda River



Frieda River

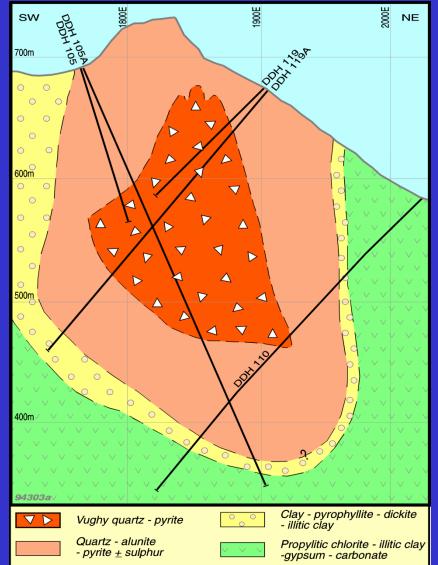
- Horse-Ivaal :1005 Mt @ 0.5% Cu 0.3gt Au
- Nena:
 - Gold resource: 18 Mt @ 0.1% Cu 1.4g/t Au
 - Copper resources: 51Mt @ 2.2% Cu 0.6g/t Au

Currently in feasibility





Alteration cross section - Nena, PNG



Frieda River



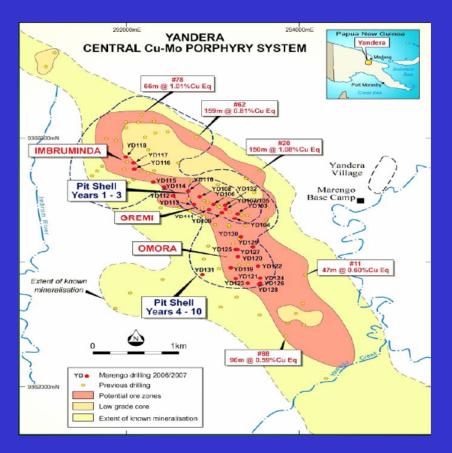






Yandera Porphyry Cu Mo system

Currently in feasibility







Yandera

Resources: 163Mt indicated @ 0.49% Cu Eq

497Mt inferred @ 0.48% Cu Eq Cu Eq = Cu+ [Mo x 10]



Ramu Nickel



Basamuk Plant Site

Basamuk Wharf



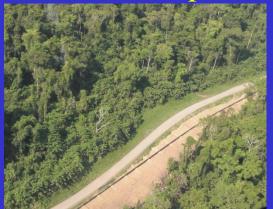
Basamuk Camp



Ramu Nickel



Ramu Camp



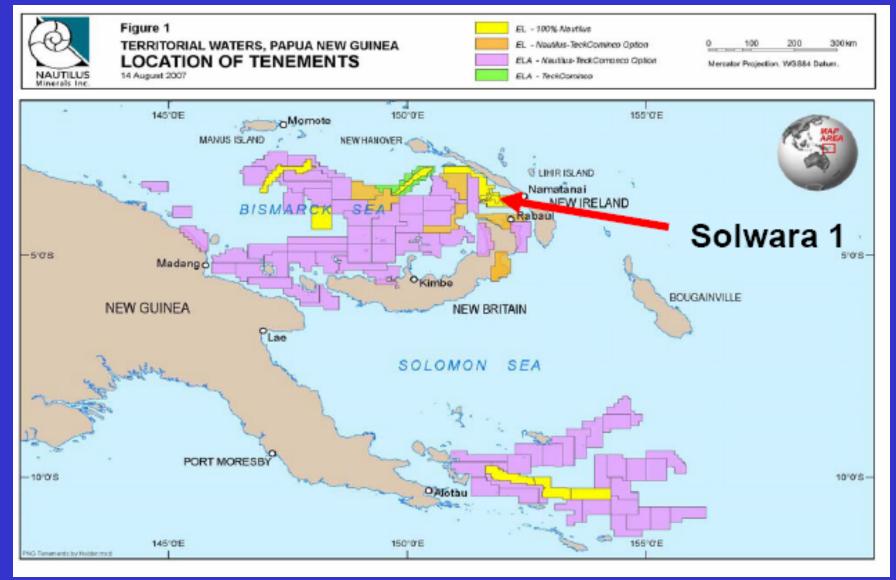
Pipeline



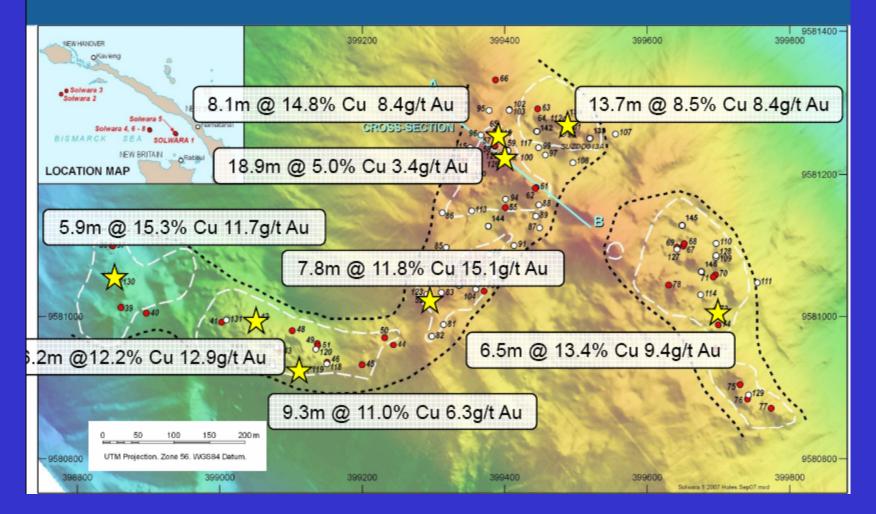
Ramu Bridge



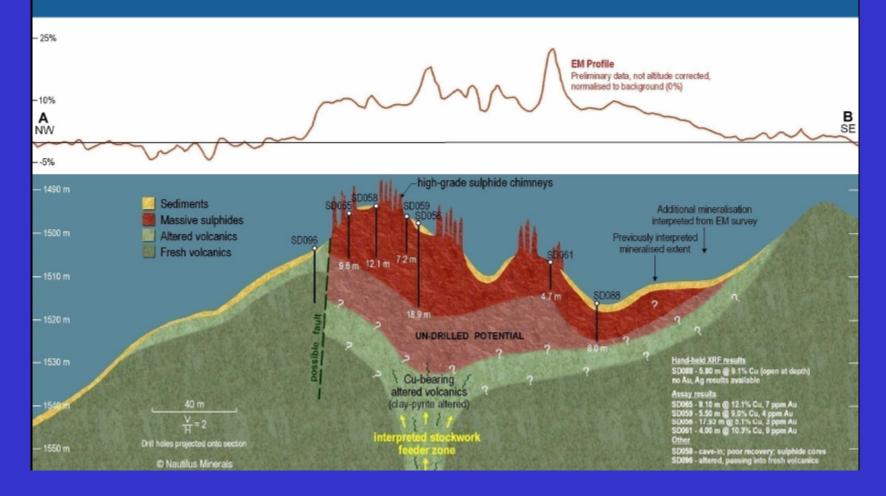
Plant Site



SOLWARA 1 – MASSIVE SULPHIDE INTERCEPTS



SOLWARA 1 – ELECTROMAGNETIC SURVEY



Exploration	Design and Construction	Equipment Delivery And Production Readiness	Production
2007	2008	2009	2010
 Establish resource for Solwara 1 Accelerate exploration and development of other PNG tenements Prepare EIS Acquire land for concentrator Begin design and engineering and order long lead time items 	 Construction of mining and handling equipment Increase pipeline of opportunities at other prospects 	 More exploration work at other PNG tenements Obtain all necessary permits, licences and mining lease Plant Construction 	 Begin commissioning of offshore production facilities Bring Solwara 1 into full production Further develop pipeline of opportunity at other prospects

Blind Men & Elephants