

Island Shangri-La
Hong Kong
John Gooding – Managing Director & CEO





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## Highlands Pacific is an established player growing with PNG [ASX & POMSoX: HIG]

- Advancing three world class copper, gold and nickel projects
  - FRIEDA RIVER copper gold project in feasibility study stage
  - RAMU nickel cobalt mine in production
  - STAR MOUNTAINS copper gold project a new porphyry discovery

More than 20 years operating history in PNG makes Highlands an ideal project partner



## Highlands Pacific is an established player growing with PNG [ASX & POMSoX: HIG]

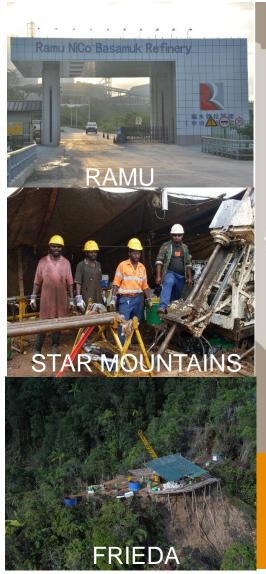
- Pursuing catalysts for value creation
  - Frieda River: a new partner in PanAust with a new vision for a US\$1.7Bn copper gold project, feasibility study targeted for completion November 2015
  - Ramu: ramping up with a target of 31,000tpa nickel, cash flow imminent
  - Star Mountains: seeking Stage 2 partner to extend exploration

Offering investors a pure play exposure to one of the world's emerging mineral provinces



## PNG: Supportive conditions for emerging opportunities

✓ Infrastructure Improving





✓ Compelling Geology



#### PNG: Oil and gas expansion supports minerals opportunities





- Exxon investment US\$19B
- Extensive energy resources to assist development in the region
- Worldwide major energy players already present





#### **Capital Structure**

#### **Issued Capital**

Issued Shares918 MillionUnlisted Options (27c)7.2 MillionPerformance Rights24.4 Million

#### **Markets**

Exchanges ASX and POMSoX
Share Price A6c
Capitalisation A\$55 Million
12 Mth Ave. Daily T/O ~ 450k shares
12 Mth price range A5c to A9c

#### **Finance**

Cash & Equivalents \* A\$10M (US\$9.5M)
Debt and Hedging nil

#### \* 30 September 2014

#### **Shareholders**

PanAust Limited	14.0%
PNG Sustainable Development Program	
Baker Steel	8.0%
National Super Fund	5.3%
Independent Public Business	3.3%
Top 20 holders	57%
Corporates & Institutions	
Mgt (Diluted)	

#### 12 month Share Price & Volume Chart





#### Three world class assets creating near, medium and long term value

Finalise FS

Approvals

Development



Achieve Nameplate

Cash Flow

Increase Ownership



Great results to date

Partner for Stage 2

Continue Discovery



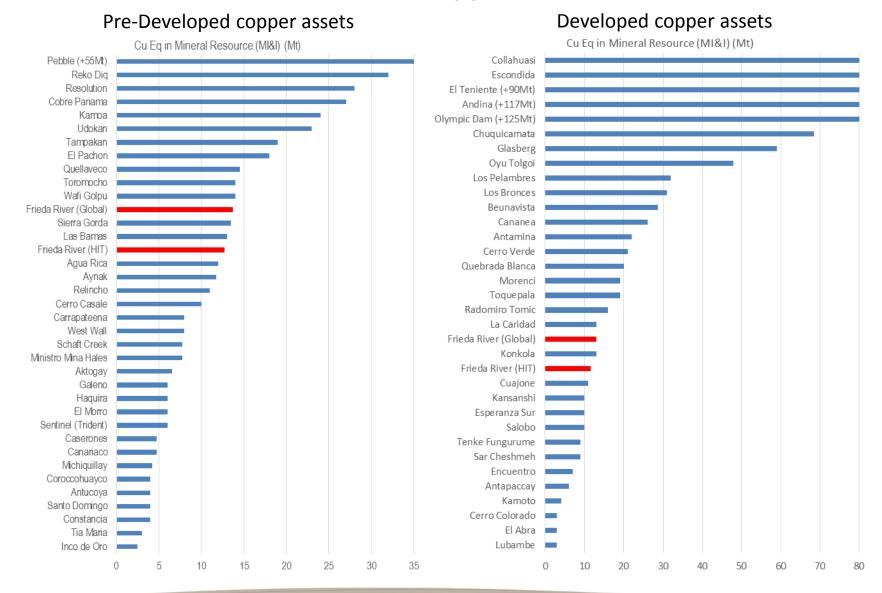


# FRIEDA RIVER





#### Frieda River – Tier 1 world-class copper asset





## Frieda River – finalising feasibility studies

- Glencore/PanAust transaction
- FS building on PanAust's Phu Kham experience & their new vision
- Continuing Xstrata's
   US\$300m investment on
   resource and engineering
   studies





#### Feasibility study development concept

- Single process plant module; similar configuration to PanAust's Phu Kham, small footprint
- Mill feed of c. 600M tonnes grading 0.5% copper and 0.3% gold for a 20-year mine life; represents less than 30% of the total HIT mineral resource tonnes
- Average annual production of 125,000t copper and 200,000oz gold in concentrate at a C1 cash cost of between US\$1.30/lb and US\$1.40/lb after gold credits\*. The all-in sustaining cost is estimated to be between US\$1.60/lb and US\$1.70/lb
- Open pit mine: low waste:ore strip ratio of 0.7:1 (Inferred Resource may reduce this)
- Development capital estimate\*\*:US\$1.7Bn; competitive capital intensity
- Robust economics demonstrated at a copper price of US\$2.80/lb\*

<sup>\*</sup> Gold credit estimated at US\$1.300/oz

<sup>\*\* 2013</sup> dollars



#### Trade-off studies

- Potential to reduce opex and initial capex will be evaluated with trade-off studies as part of the feasibility study
- A staged development approach will be considered which would require lower initial capex; subsequent capital expansion in years 3 to 5
- A hydro-power option may enhance the Project economics through lower operating costs
- Utilises the positive water balance within the TSF catchment to generate low-cost renewable power; augment IFO generated power





## Ownership

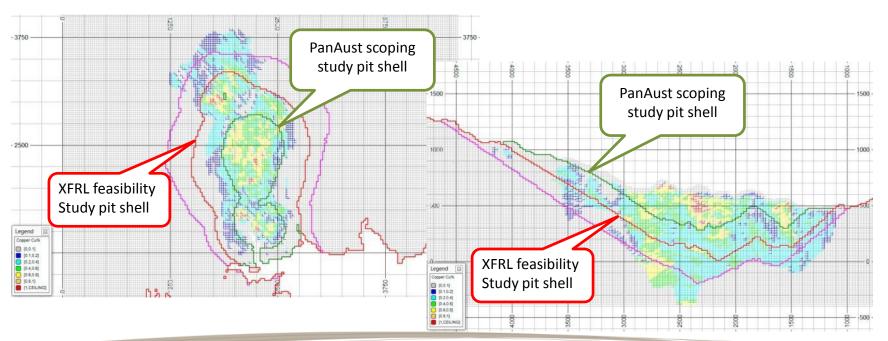
- PanAust will fund all project and feasibility study costs up to an application for a Special Mining Lease
- PanAust relinquishes farm in option over Star Mountains licence

	PNA	HIG	PNG Government				
	80%	20%	-				
Under PNG Government option to acquire project equity							
If PNG acquires 20%	60%	20%	20%				
If PNG acquires 30%	55%	15%	30%				



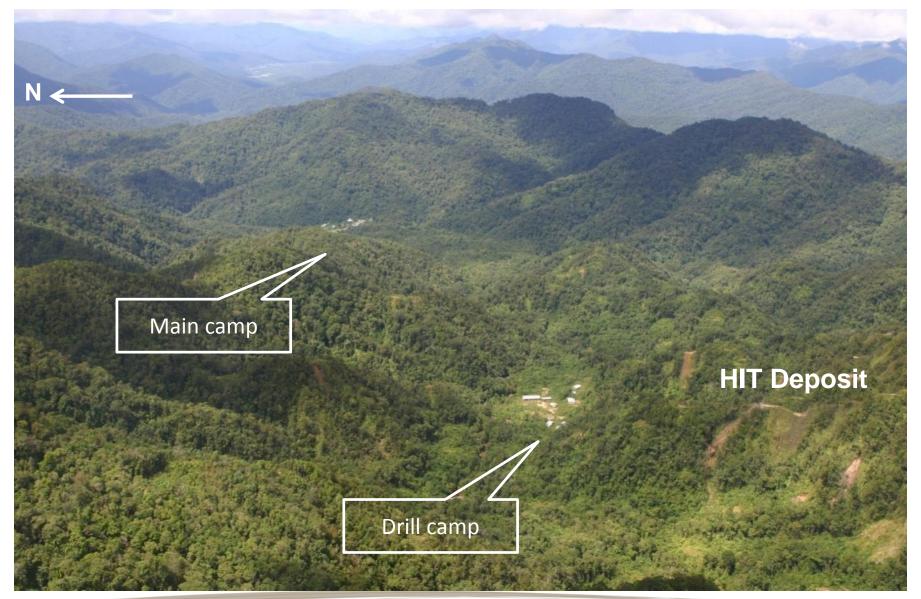
## Base Case development concept

- Quality data-set from extensive feasibility study work will be utilised in the PanAust funded feasibility study
- Circa 56MW comminution circuit with conventional floatation plant allowing a life-ofmine average throughput rate of 30Mtpa; +/-20% depending on ore hardness; higher throughputs achieved in the first five years
- Base Case applies Phu Kham experience: with similar plant configuration; conventional flotation technology; compact footprint; integrated TSF-waste management





#### Frieda River – Site Overview



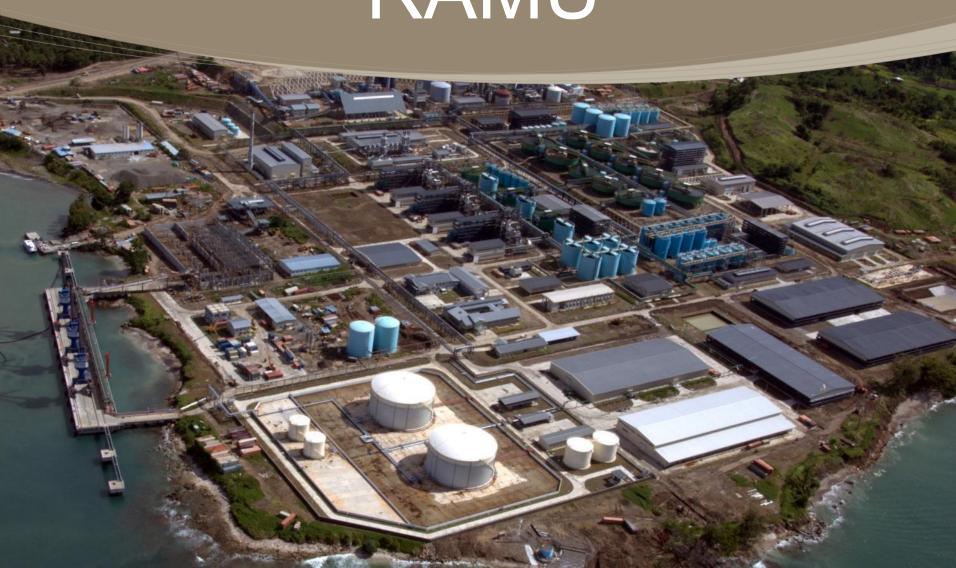


Mining Minister Byron Chan at Phu Kham Tailings Storage & waste management facility





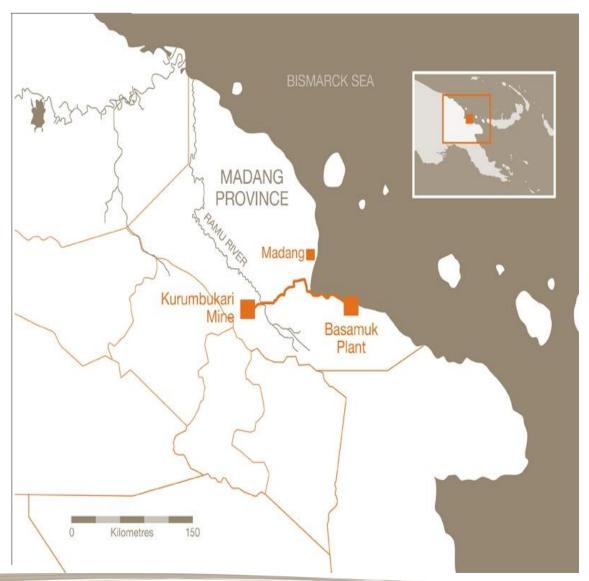
# RAMU





## Ramping up to 31,000tpa nickel

- Cash flow imminent and leveraged to the nickel price
- Currently ~70% of capacity
- From commissioning,
  Highlands has access to
  pro-rata 8.56% share of
  Ramu's post-debt
  servicing, net cash flow.
- Option to acquire an additional 9.25% interest in Ramu at fair market value (up to 20.55% interest)





#### Ramu Today - Long life project no recourse to Highlands



#### **Reserves and Resource**

Resource: 131 Mt @ 1.0% Ni and 0.1% Co **Open Pit:** Free digging

55 Mt @ 1.0% Ni and 0.1% Co Reserve: Strip Ratio: Low cost at 0.28:1 strip ratio

Mine Life: 20 years at 3.4 Mtpa throughput **Slurry:** 135km pipeline to Basamuk



## Ramu – Nickel production ramping up

	2012 Actual	2013 Actual	2014 Forecast	Nameplate
Ore processed at Basamuk (dry)	647,000t	1,253,000t	2,400,000t	3,400,000t
Mixed nickel cobalt hydroxide produced	13,577t	29,736t	58,512t	78,000t
	F 2021	44.0001		24.450
- Contained nickel	5,283t	11,369t	22,820t	31,150t
- Contained cobalt	469t	1,013t	2,223t	3,300t
Mixed nickel cobalt hydroxide shipped	576t	39,472t	58,512t	78,000t
- Contained nickel	217t	15,123t	22,820t	31,150t
- Contained cobalt	19t	1,338t	2,223t	3,300t



# STAR MOUNTAINS





#### Why Star Mountains - The Value Opportunity



#### Some considerations

#### Success to date:

Olgal 596m @ 0.61% Cu & 0.85g/t Au from 24m down hole Kum Kom 22m @ 1.42% Cu & 0.57g/t Au from 146m down hole Kum Kom 68m @ 0.97% Cu & 0.37g/t Au from 280m down hole Of 6 targets preliminary drilled all but one hit mineralisation

#### **Location:**

New copper gold province close to Tabubil infrastructure in a 515sq kms area vastly underexplored

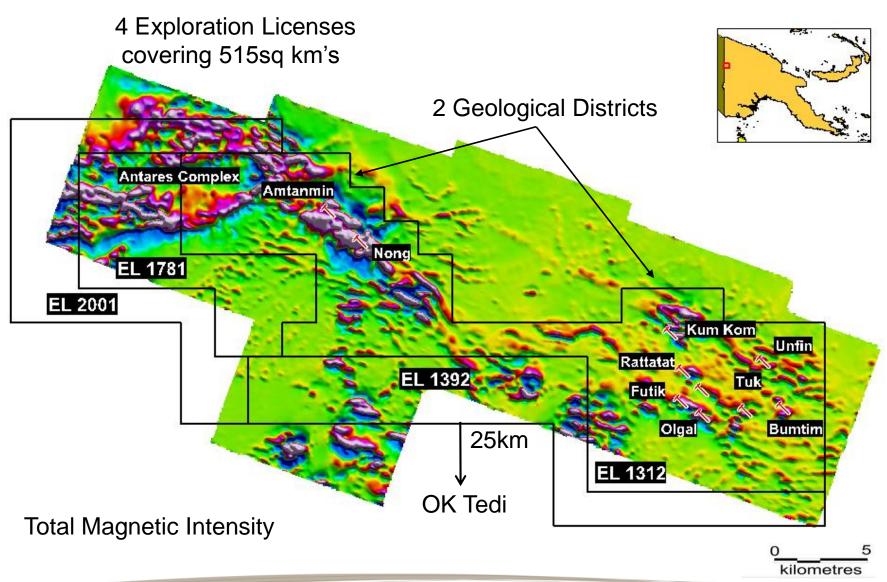
#### **Opportunities:**

Phase 2 program being discussed with potential JV partners to realise potential

EL unencumbered now 100% owned by Highlands Pacific now that claw back option on EL1312 forfeited by Glencore

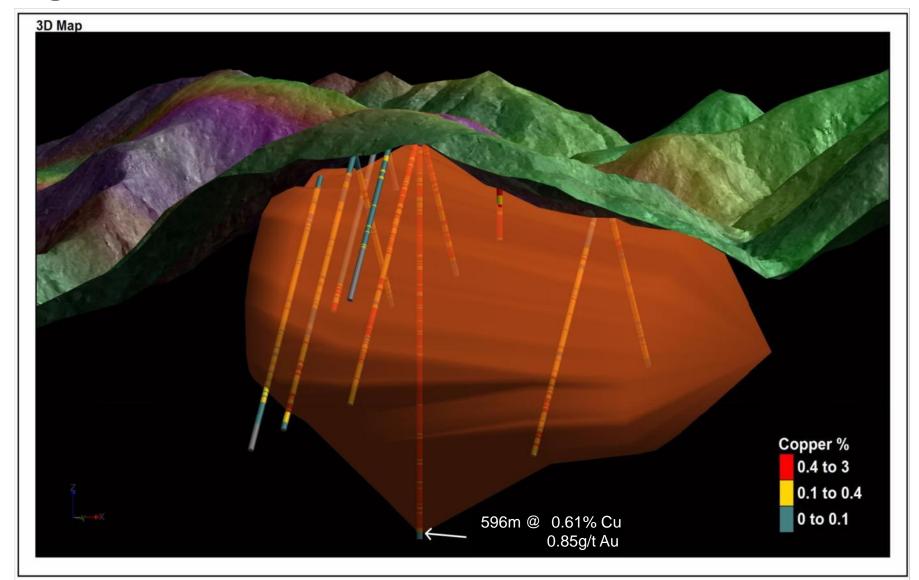


#### Star Mountains – In discussions with Stage 2 Partner



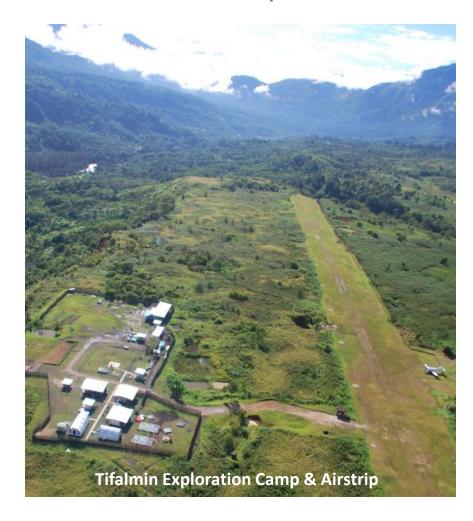


## Olgal Drill Cross Section





## **Star Mountains Exploration**







## Supporting local communities













#### Three world class assets creating near, medium and long term value



Great results to date

Partner for Stage 2

Continue Discovery

Increase



Finalise FS

Approvals

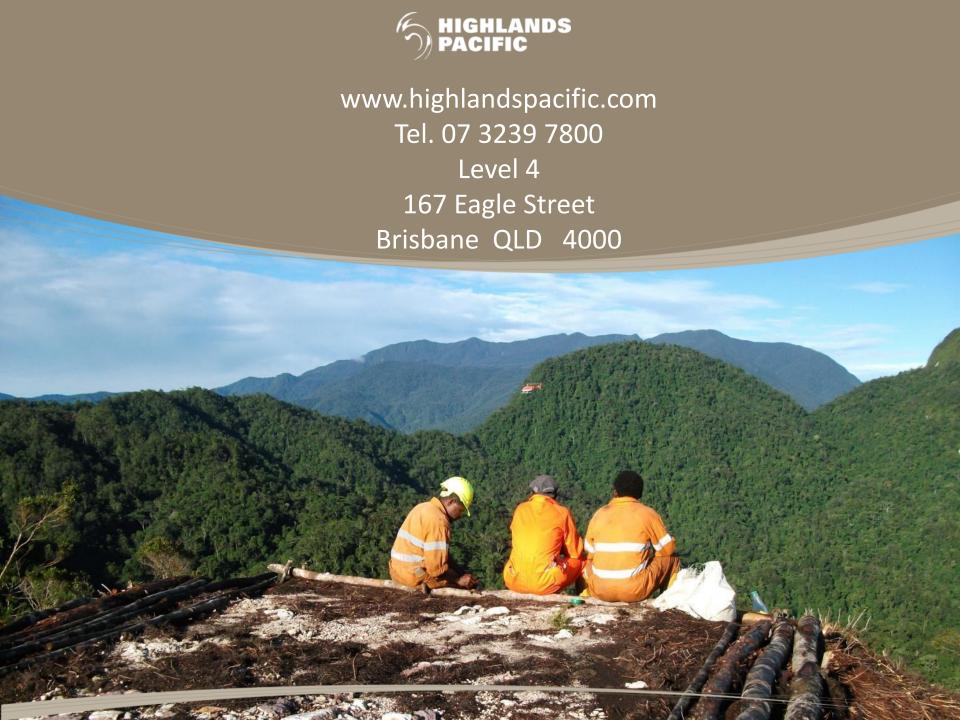
Development



**Exploration** Identification Growth - internal & external

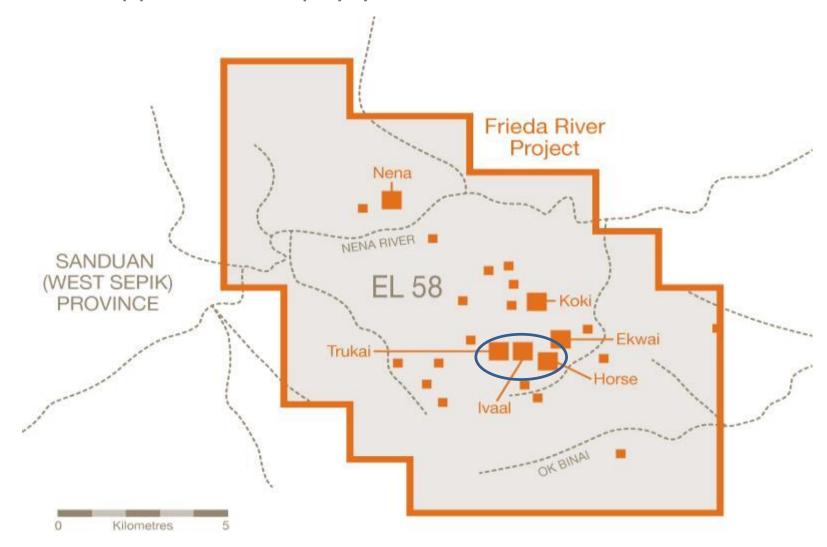
Sustainable Cash Flow





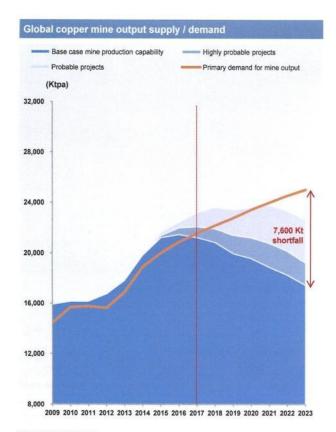


## Frieda Copper Gold Porphyry Cluster - Multiple deposits and prospects





## Copper Supply Forecasts

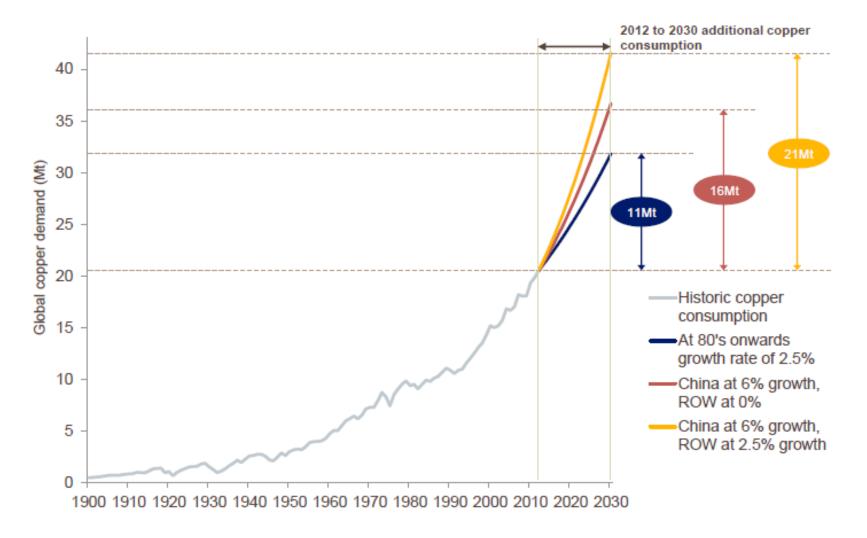


Source: Wood Mackenzie

- Worlds population has doubled over the last 40 years to ¬B.
- Every year will increase by 57M to -9B in 2050
- China accounts for >50% of copper consumption with growth continuing
- Chile has largest known copper reserves
- produces 17% of incremental mine growth but experiencing rising production and capex costs
- Chile C1 costs US\$4000/mtCupa (US\$1.81/lb) and capex intensity of US\$25,000/mtpa capacity
- Predicted Frieda River C1 costs US\$2,755/mtCupa(US\$1.25/lb) and capex intensity around US\$13,000/mtCupa
- Timing for Frieda production is very good as world supply forecast to drop off



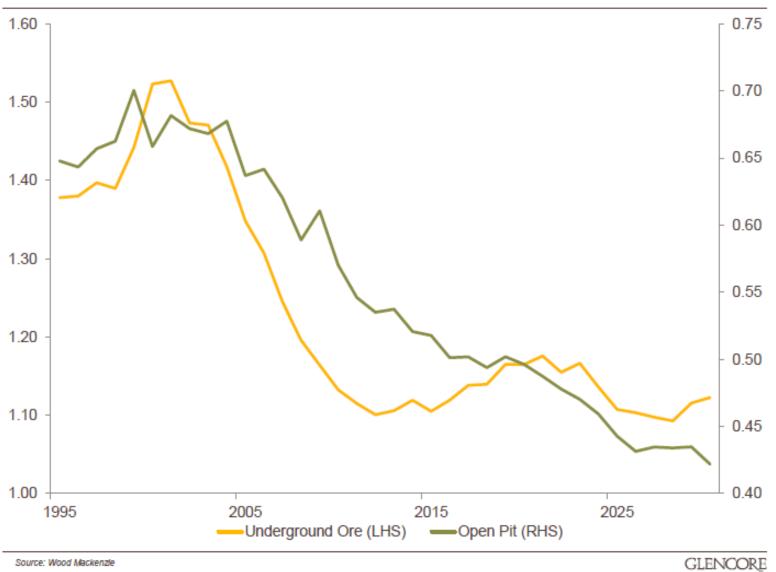
## Copper demand going forward..



Source: International Copper Study Group GLENCORE



## And, copper mined grades are falling!





## Ramu Nickel Project

Production and Shipment



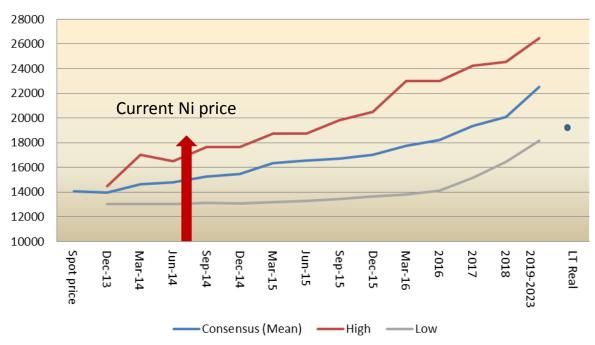




#### Nickel Forecast

- Nickel prices dropped during 2013 but started to rise later in the year
- Indonesian supply disruptions now real and seem to be sustained by recent government statements continuing the ban on exports
- Production issues and commissioning projects slowing supply

#### Consensus Ni US\$/tonne Source: Consensus Economics

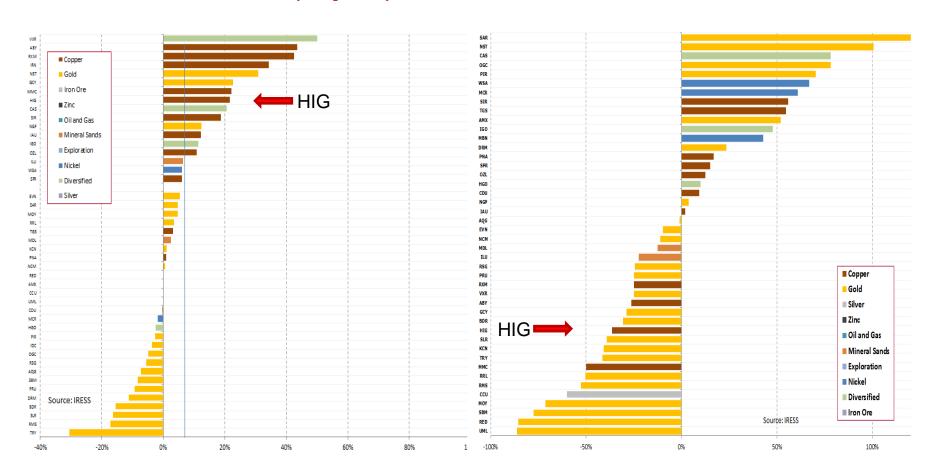




#### Resource companies Share Price from July 2013 to July 2014 Source Evans and Partners

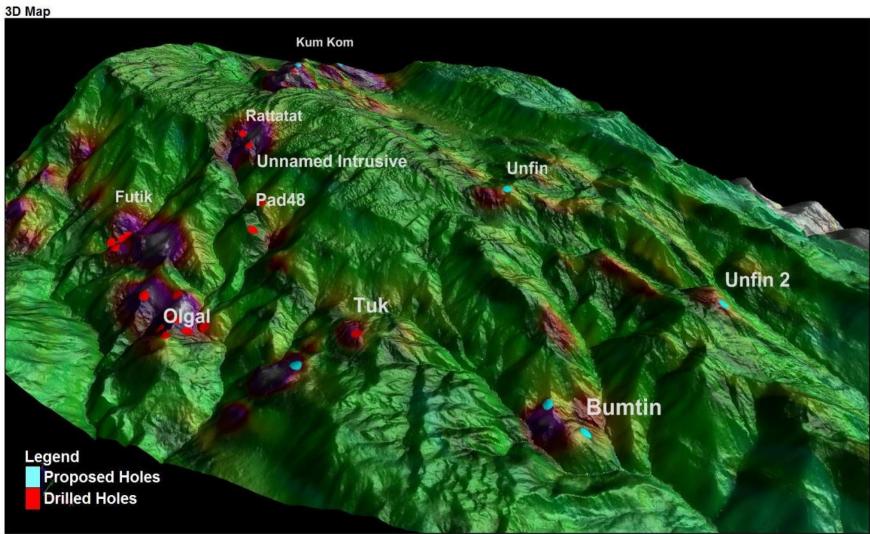
#### **Resource Sector Performance (rolling month)**

#### Resource Sector Performance (rolling year)





## Star Mountains Exploration – drilling locations to date





#### Kum Kom skarn mineralisation, 147m below surface





0.4

0.45

0.2

0.22

#### Mineral Resources - Frieda District

Inferred

**Total** 

Table 1: Horse-Ivaal-Trukai Mineral Resources at 0.2% Cu cut off &Constrained by a pit shell (US\$2.50/lb Cu & US\$1000.00/oz Au)CategoryMTCu (%)Au (g/t)Measured7800.510.28Indicated4100.440.20

900

2090

Table 2: Koki and Ekwai Mineral Resources at 0.2% Cu cut off							
Deposit	Au(g/t)						
Koki	Inferred	452	0.37	0.25			
Ekwai	Inferred	170	0.38	0.23			

Table 3: Nena Mineral Resources at 0.3% Cu cut off						
Category	MT	Cu (%)	Au (g/t)			
Indicated	33	2.81	0.65			
Inferred	12	1.84	0.45			
Total	45	2.55	0.60			



## Competent Person Statement - Frieda District

Notes for Horse-Ivaal-Trukai, Koki and Ekwai Mineral Resources The database information used for the Horse/Ivaal/Trukai, Koki and Ekwai resource estimates was complied and verified as suitable for this estimate by Lawrence Queen. Details contained in this Report that pertain to the Horse/Ivaal/Trukai, Koki and Ekwai Resource Estimates are based upon, and fairly represent, information and supporting documentation compiled by Simon Tear. Mr. Tear is a full-time employee of H&S Consultants Pty Ltd and a Member of The Australasian Institute of Mining and Metallurgy. Mr. Queen is a full-time employee of Highlands Pacific and a Member of The Australasian Institute of Mining and Metallurgy. Both Mr. Queen and Mr. Tear have sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are 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 Queen and Mr Tear consent to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Notes for Nena Mineral Resources: Details contained in this Report that pertain to the Nena Resource Estimate are based upon, and fairly represent, information and supporting documentation compiled by Mr Paul Gow, a Member of the Australasian Institute of Mining and Metallurgy (AusIMM) and at the time the estimate was prepared was a full-time employee of Glencore-Xstrata. Mr Gow has sufficient experience which is relevant to the style(s) of mineralisation and type(s) of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Gow consents to the inclusion in this report of the matters based upon the information in the form and context in which it appears.

Please refer ASX Announcement data 14 March 2014 for full details. Highlands Pacific is not aware of any new information or data that materially affects the information presented herein and confirms that all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed.



#### Competent Person Statement - Ramu

### Ramu Ni-Co Project Resource (at a 0.5% nominal cut-off and excluding oversize (+2mm))

	31 December 2013							
Kurumbukari								
Category MTonnes Ni % Co %								
Measured	40	0.9	0.1					
Indicated	7	1.4	0.1					
Inferred	4	1.2	0.1					
Total	51	1.0	0.1					
	Ram	u West						
Indicated	17	0.8	0.1					
Inferred	3	1.5	0.2					
Total	20	0.9	0.1					
	Great	er Ramu						
Inferred	60	1.0	0.1					
Global	131	1.0	0.1					
Total								

The following table shows the 2013 Ramu ore reserve estimate.

	31 December 2013							
Category	MTonnes	Ni%	Co%	Rocks +2mm MTonnes				
Kurumbukar	i							
Proved	35	0.9	0.1					
Probable	7	1.4	0.1	11				
Total	42	1.0	0.1	11				
Ramu West								
Proved								
Probable	14	0.9	0.1					
Total	14	0.9	0.1					
Global Total	55	1.0	0.1	11				

Notes for Ramu Mineral Resources & Ramu Ore Reserves: The information in this report that relates to Ramu Mineral Resources is based on information compiled by Lawrence Queen, who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Queen is a full-time employee of Highlands Pacific and has sufficient experience which is relevant to the style of mineralization and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Queen consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Details contained in this Report that pertain to the Ramu Ore Reserve Estimate are based upon, and fairly represent, information and supporting documentation compiled by Mr Patrick Smith, a Member of the Australasian Institute of Mining and Metallurgy (AusIMM) CP (Min) and a full-time employee of AMC Consultants Pty Ltd. Mr Smith has sufficient experience which is relevant to the style(s) of mineralisation and type(s) of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Smith consents to the inclusion in this report of the matters based upon the information in the form and context in which it appears.

Please refer ASX Announcement data 14 March 2014 for full details. Highlands Pacific is not aware of any new information or data that materially affects the information presented herein and confirms that all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed.



## Olgal Drilling Results - By Highlands Pacific from 2010 to present

Hole	East	North	Level	Azimuth	Dip	Total Depth (m)
0010LG10	539659	9439981	2201	0	-60	302.9
0020LG10	539659	9439975	2201	180	-60	500.6
0030LG10	539045	9440158	2194	0	-60	162.9
0040LG10	539044	9440154	2194	180	-60	112.7
0050LG10	539426	9440283	2223	0	-60	110.7
0060LG10	539426	9440279	2223	180	-60	337.2
0070LG11	539741	9439739	2218	180	-60	341.7
0080LG11	539937	9440100	2120	180	-60	500.1
0090LG11	539937	9440100	2120	0	-60	321.6
0100LG11	539509	9440029	2170	0	-60	353.5
0110LG11	539509	9440029	2168	180	-60	503
0120LG11	539543	9439842	2127	180	-60	500
0130LG12	539819	9439955	2110	180	-60	82.5
0140LG12	539659	9439981	2286	0	-90	632.4

Hole	From	То	Downhole Interval (m)	Cu (%)	Au (g/t)	Core Recovery (%)
0010LG10	0	244	244	0.41	0.33	77
0020LG10	0	501	501	0.40	0.24	74
0030LG10	0	163	163	0.07	0.13	88
0040LG10	5	56	51	0.02	0.01	74
0050LG10	4	34	30	0.01	0.02	53
006OLG10	74	337	263	0.09	0.08	78
0070LG11	0	248	248	0.06	0.07	78
0080LG11	0	500	500	0.22	0.16	70
0090LG11	2	322	320	0.17	0.15	84
0100LG11	0	268	268	0.17	0.12	88
0110LG11	0	502	502	0.19	0.22	84
0120LG11	0	454	454	0.14	0.11	93
0130LG12	0	82	82	0.48	0.27	89
0140LG12	24	620	596	0.61	0.85	83



## Futik, Pad48 Drilling Results - By Highlands Pacific 2012

#### **FUTIK**

Hole	North	East	Level	Azimuth	Dip	Total Depth (m)
001FUT12	9440718	538060	2197	0	-60	501
002FUT12	9440715	538060	2197	180	-60	153 (fault)
003FUT12	9440978	537890	2085	270	-60	65.5 (Pad slump)
004FUT12	9440947	538308	2274	90	-60	422

#### At a 0.0% Cu cutoff

Hole	From	То	Downhole Interval (m)	Cu (%)	Au (g/t)	Core Recovery (%)
001FUT12	0	176	176	0.15	0.15	77
	178	502	324	0.05	0.04	84
002FUT12	0	153	153	0.16	0.13	75
003FUT12	Not		Assayed			
004FUT12	62	423	361	0.01	<0.01	87

#### **PAD48 PROSPECT**

Hole	North	East	Level	Azimuth	Dip	Total Depth (m)
001PAD12	9441343	539715	2506	0	-60	194.6 (fault)
002PAD12	9441343	539717	2506	90	-60	160 (fault)
003PAD12	9441342	539714	2506	90	-75	601

Hole	From	То	Downhole Interval (m)	Cu (%)	Au (g/t)	Core Recovery (%)
001PAD12	No Assays		Limestone	intersected		
002PAD12	No Assays		Limestone	intersected		
003PAD12	0	601	601	0.01	< 0.01	86



## Rattatat Drilling Results - By Highlands Pacific 2012

					Dip	
Hole	North	East	Level	Azimuth		Total Depth (m)
001RAT12	9442739	538573	2866	90	-75	550
001RAT12	9442490	538870	2872	270	-75	556

Hole	From	То	Downhole Interval (m)	Cu (%)	Au (g/t)	Core Recovery (%)
001RAT12	0	550	550	0.04	0.04	93
002RAT12	0	556	556	0.03	0.04	92



## Unnamed & Tuk Prospect Drilling Results - By Highlands Pacific 2012

#### **UNNAMED INTRUSIVE**

Hole	North	East	Level	Azimuth	Dip	Total Depth (m)
001UNI12	9441700	53960	2630	330	-70	471

#### At a 0.0% Cu cutoff

Hole	From	То	Interval (m)	Cu (%)	Au (g/t)	Core Recovery (%)
00UNI012	0	471	470	0.02	0.03	86

#### **TUK PROSPECT**

Hole	North	East	Level	Azimuth	Dip	Total Depth (m)
						72
001TUK12	9440371	541680	2440	180	-70	(hole collapsed)
						274
						(ended in fresh
						limestone)
002TUK12	94403571	541680	2440	180	-60	
003TUK12	94403571	541680	2440	0	-70	422
004TUK12	9439826	541321	2355	230	-70	115

Hole	From	То	Downhole Interval (m)	Cu (%)	Au (g/t)	Core Recovery (%)
Tible	110111	10	Downhole interval (iii)	Cu (70)	Au (g/ t/	Core Recovery (70)
001TUK12	0	72	72	0.01		88
002TUK12	0	214		0.01		92
003TUK12	0	422	422	0.01		96
004TUK12	0	114		0.01		85



## Kum Kom Prospect Drilling Results - By Highlands Pacific 2012

#### **KUM KOM PROSPECT**

Hole	North	East	Level	Azimuth	Dip	Total Depth (m)
001KUM12	9444780	538020	2900	180	-70	354
001KUM12	9444780	538020	2900	0	-70	475

Hole	From	То	Downhole Interval (m)	Cu (%)	Au (g/t)	Core Recovery (%)
001KUM12	2	4	2	0.21	0.03	50
	130	132	2	0.69	0.29	85
	140	170	30	1.11	0.45	87
	214	240	26	0.46	0.14	95
	250	256	6	0.22	0.07	96
	266	354	88	0.82	0.31	97
(Including at 0.5% Cu cutoff)	146	168	22	1.42	0.57	90
	222	232	10	0.68	0.21	97
	280	348	68	0.97	0.37	99
002KUM12	24	28	4	0.24	0.09	74
OOZNOWITZ	48	64	16	0.28	0.10	82
	122	124	2	0.27	0.02	80
	220	228	8	0.40	0.29	69



#### Competent Person Statement - Exploration

Details contained in this Report that pertain to the Ramu Ore Reserve Estimate are based upon, and fairly represent, information and supporting documentation compiled by Mr Patrick Smith, a Member of the Australasian Institute of Mining and Metallurgy (AusIMM) CP (Min) and a full-time employee of AMC Consultants Pty Ltd. Mr Smith has sufficient experience which is relevant to the style(s) of mineralisation and type(s) of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Smith consents to the inclusion in this report of the matters based upon the information in the form and context in which it appears

Please refer ASX Announcement data 14 March 2014 for full details. Highlands Pacific is not aware of any new information or data that materially affects the information presented herein and confirms that all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed.