

Table 1: 2011 Production Statistics on PNG Mines – Morobe Province and Others

Mine	Ore Milled (tonnes)	Gold (g/t)	Silver (g/t)	Copper (%Cu)	Gold (kilograms)	Silver (kilograms)	Copper (tonnes)	Waste Rock (tonnes)	Companies
Hidden Valley	3,432,000	2.16	26.5	-	6,454	52,515	-	23,388,000	Harmony Gold ^{50%} , Newcrest Mining ^{50%}
Simberi	1,881,706	1.08	-	-	1,782	-	-	1,884,616	Allied Gold ^{100%}
Porgera	5,344,000	3.53	-	-	16,368	-	-	21,813,000	Barrick Gold ^{95%} , PNG Government ^{5%}
Lihir	6,128,000	4.06	-	-	20,310	279	-	38,897,000	Newcrest Mining ^{100%}
Sinivit	~100,000	~2.5	-	-	~200	-	-	~200,000	New Guinea Gold Corp. ^{100%}
Ok Tedi	19,460,000	0.91	-	0.78	12,976	32,609	130,456	~30,000,000	Ok Ted Mining Joint Venture [#]

[#]Ok Ted Mining is 63.6% owned by the PNG Sustainable Development Program Limited, which is effectively a trust on behalf of the Western province, and 36.4% owned by the PNG Government.

Table 2: Cumulative Production Statistics for Major PNG Mines – Morobe Province and Others

Mine	Period	Ore (Mt)	Gold (g/t)	Silver (g/t)	Copper (%Cu)	Gold (kilograms)	Silver (kilograms)	Copper (tonnes)	Waste Rock (Mt)	Companies
Hidden Valley	2009-2011 [#]	7.85	2.11	~25	-	13,267	>73,000	-	50.630	Harmony Gold ^{50%} , Newcrest Mining ^{50%}
Simberi	2008-2011 [#]	7.063	1.35	-	-	8,230	-	-	3.899	Allied Gold ^{100%}
Porgera	1990-2011 [#]	90.805	6.50	-	-	542,616	-	-	~820	Barrick Gold ^{95%} , PNG Government ^{5%}
Lihir	1997-2011 [#]	60.211	5.52	-	-	292,333	-	-	485.508	Newcrest Mining ^{100%}
Misima	1989-2004	87.471	1.45	~13	-	115,896	~570,000	-	347.831	Placer Dome ^{100%,a}
Kainantu ^b	2006-2008	~0.35	~7.3	-	-	~2,200	-	-	<i>no data</i>	Barrick Gold ^{100%,b}
Sinivit ^b	2008-2011 [#]	~0.5 ^b	~4.1 ^b	-	-	~1,050 ^b	-	-	>0.2	New Guinea Gold Corp. ^{100%,b}
Tolukuma ^c	1996-2009 ^{#,c}	>1.3	~10.8	-	-	>14,000	>4,500	-	<i>no data</i>	PNG Government ^{100%,c}
Ok Tedi	1984-2011 [#]	~640	~0.9	-	~0.8	~403,897	~810,000	~4,218,200	990	Ok Ted Mining Joint Venture [#]
Bougainville	1972-1989	675.37	0.63	-	0.52	305,604	784,041	2,988,058	570	Rio Tinto ^{53.83%} , PNG Government ^{19.06%} , Public ^{27.11%}

Note: Mt – million tonnes; g/t – grams per tonne. [#]Still operating in 2012. ^aPlacer Dome was taken over by Barrick Gold in early 2006. ^bSome production statistics not reported, approximate values assumed. ^cTolukuma was bought by the PNG Government but does not report statistics, available data incomplete.

Table 3: Reported Mineral Resources for PNG Mines and Projects – Morobe Province and Others

Mine	Ore (Mt)	Gold (g/t)	Silver (g/t)	Copper (%Cu)	Molybdenum (%Mo)	Gold (kilograms)	Copper (tonnes)	Companies
Lihir	830	2.1	-	-	-	1,848,000	-	Newcrest Mining ^{100%}
Golpu	870	0.69	-	1.0	-	600,300	8,700,000	Harmony Gold ^{50%} , Newcrest Mining ^{50%}
Frieda River Group ^a	2,585	0.23	0.59	0.47	-	589,900	12,192,000	Xstrata ^{81.82%} , Highlands Pacific ^{18.18%}
Bougainville	1,064	0.37	-	0.33	0.33	393,700	3,511,00	Rio Tinto ^{53.83%} , PNG Government ^{19.06%} , Public ^{27.11%}
Ok Tedi	353	0.77	-	0.58	0.58	271,800	2,047,000	Ok Ted Mining Joint Venture [#]
Porgera	98.1	2.76	-	-	-	270,900	-	Barrick Gold ^{95%} , PNG Government ^{5%}
Simberi	183.9	1.10	-	-	-	202,300	-	Allied Gold ^{100%}
Wafi	100	1.9	-	-	-	190,000	-	Harmony Gold ^{50%} , Newcrest Mining ^{50%}
Hidden Valley	103	1.69	30.6	-	-	174,400	-	Harmony Gold ^{50%} , Newcrest Mining ^{50%}
Kodu ^e	276 ^e	0.30 ^e	1.7 ^e	0.27 ^e	0.0077 ^e	82,800 ^e	745,000 ^e	Frontier Resources ^{100%,e}
Woodlark Island	42.4	1.5	-	-	-	63,600	-	Kula Gold ^{100%}
Mt Kare	24.6	2.13	15.49	-	-	52,400	-	Indochine Mining ^{100%}
Yandera	833	0.05	~1.5	0.35	0.0066	44,400	2,874,000	Marengo Mining
Nambonga ^d	40	0.79	-	0.22	-	31,600	88,000	Harmony Gold ^{50%} , Newcrest Mining ^{50%}
Crater Mountain	24	1	-	-	-	24,000	-	Gold Anomaly ^{100%}
Imwauna-Normanby	1.8	12.2	20	-	-	22,000	-	New Guinea Gold Corp. ^{50%} , NMC Mining Corp. ^{50%}
Tolukuma ^g	0.58 ^g	30.6 ^g	-	-	-	17,700 ^g	-	PNG Government ^{100%}
Arie ^f	164 ^f	0.1 ^f	1.7 ^f	0.32 ^f	-	16,400 ^f	525,000 ^f	Triple Plate Junction ^{75.98%} , Pacrim Energy ^{13.43%} , Golden Success ^{10.59%}
Solwara 1 ^b	2.57	5.84	30	7.74	-	15,000	199,000	Nautilus Minerals ^{70%} , PNG Government ^{5%}
Simiku	200	0.06	2	0.36	0.0061	12,000	720,000	Coppermoly ^{100%}
Sinivit	2.05	3.5	-	0.26	-	7,100	5,000	New Guinea Gold Corp. ^{100%}
Solwara 12 ^c	0.23	3.6	56	7.3	-	800	17,000	Nautilus Minerals ^{70%} , PNG Government ^{5%}
Mt Kren-Puan ^f	20	-	-	0.3 ^f	-	-	60,000 ^f	Triple Plate Junction ^{75.98%} , Pacrim Energy ^{13.43%} , Golden Success ^{10.59%}

Note: Mt – million tonnes. [#]Still operating in 2012. ^aFrieda River consists of three main deposits – the dominant HIT (or Horse/Ivaal/Trukai), Nena, Koki and Ekwai deposits. ^bSolwara 1 also contains 0.70% zinc. ^cSolwara 12 also contains 3.6% zinc. ^dNambonga is part of the Wafi-Golpu project. ^eKodu is extremely close to the Kokoda Track and has been halted from development. ^fResource estimate not JORC Code compliant. ^gTolukuma resource is from 2006, since more recent data not available.