

Experience Example

- Nick Shakesby was the COO for the Berong Nickel Corporation for the start up of the Berong Nickel Mine in 2006 / 2007. The Mine is located on Palawan Island in the Philippines.
- Berong direct shipped FOB +/- 700 WMT of 1.8% Nickel ore in 2007.
- Nickel price at first shipment was US\$45.00/WMT cost was US\$18/WMT with cash surplus of +/- US\$ 1.5 Million per vessel.
- Clients included BHP and Chinese spot buyers
- LKI provided all on site expatriate management
- The following sets out to visually demonstrate experience

Mining Sequence; Working small, high grade areas to maximize start up cash flow and control sediment run off. Rehabilitate as we advance so as to mitigate NGO/Environmentalism position



Mine Area In Operation; 360° open faces to allow grade control to advance over multiple benches.



Mine Operations; Annual Ore Production Target 750,000 Wet Metric Tons Ore. 35 ton excavators, D8 Dozers, 40t 6x6 Articulated Trucks, 6x8 Trucks. 14H Grader. Free Dig Operation.



Wet Season In Pit Haulage



Wet Season In Pit Access Construction



Defined Rehabilitation Strategy; Created a project involving NGO. University to study sustainable fruit/nut growing over mined out areas. Rehabilitation process initiates immediately after mining, employs locals who will own the business.



Rehabilitation Project



Stockpile Management; crusher located close, moisture control, separate grades for blending, close access to shiploading, Sediment control.



Sediment Control & Ore Drying; All mine run off directed to these ponds. Note bottom right – rice farmers use discharge for wet rice, position contra NGO's and Environmentalists.

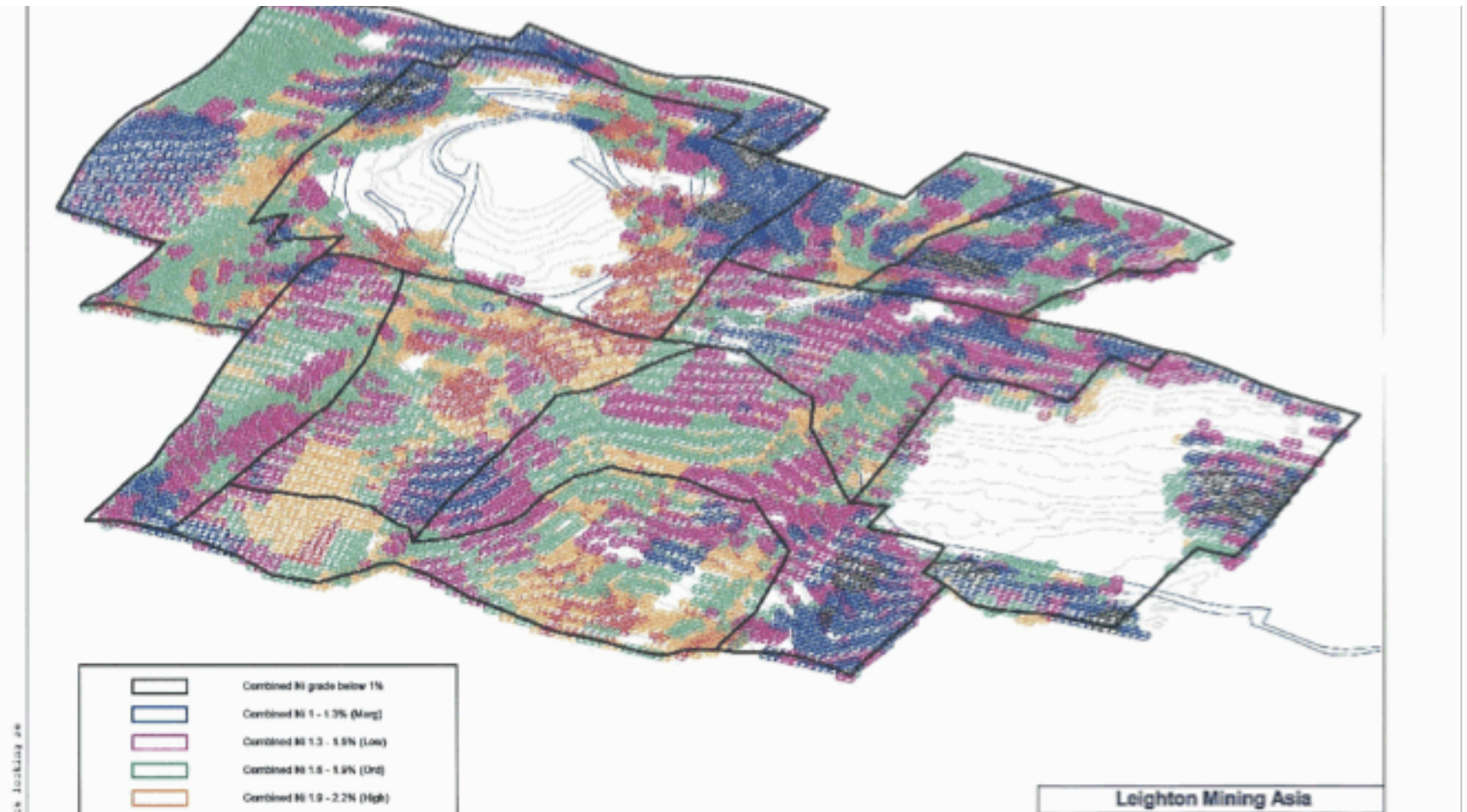
Berong Coastal Drying Area – December 2007



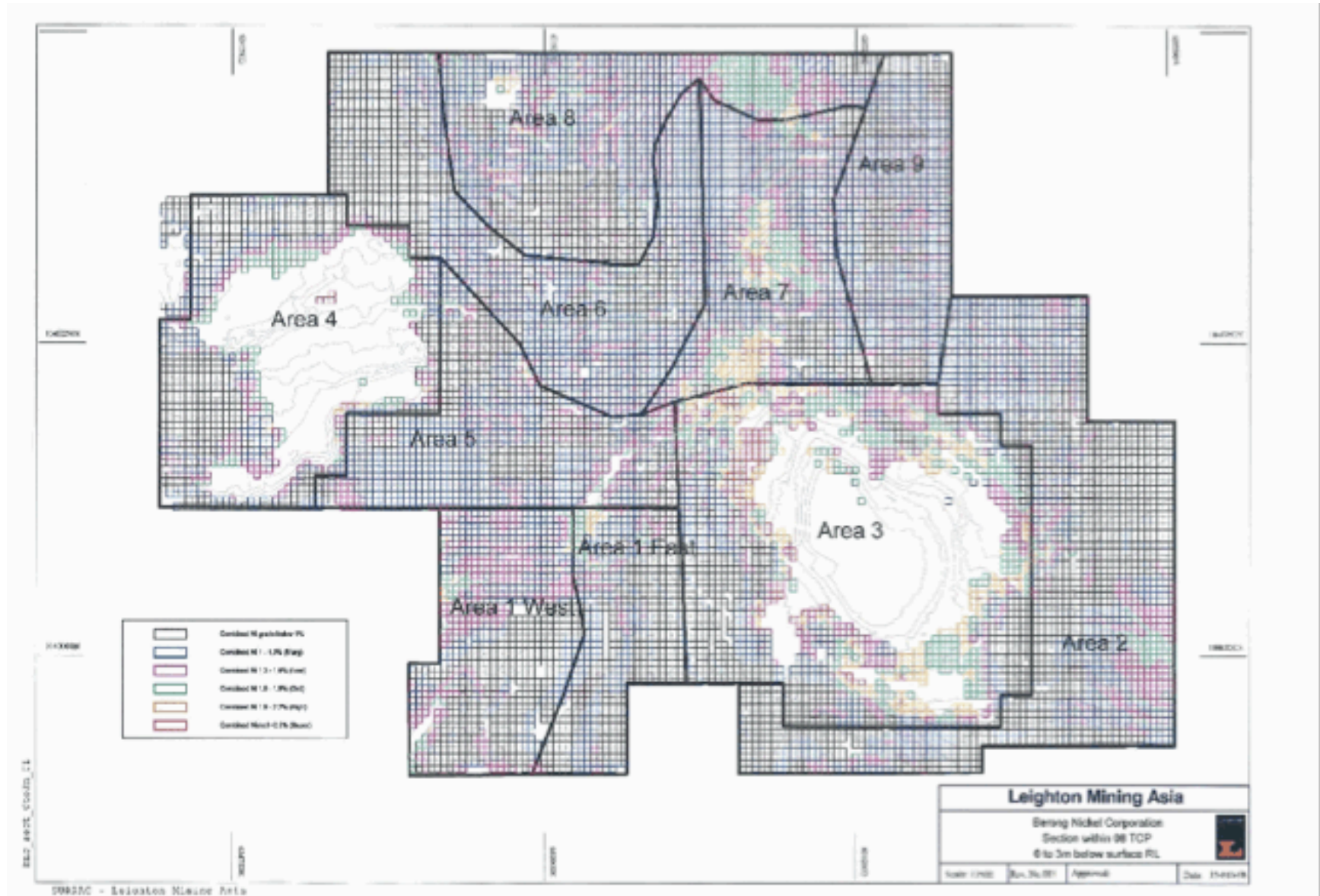
Site Infrastructure



Mine Plan; High, medium and low grade ores determined from geological block model.



Mine Plan; Bench Plan determining high/medium/low grade locations



Mine Plan x Quantities (Note “Fe” is FeO2)

		LIM			SAP			SAP_RX		
		WMT	Ni%	Fe%	WMT	Ni%	Fe%	WMT	Ni%	Fe%
Area1_East	WST (Below 1.0% ni)	18,992	0.91	72.83	0	0.00	0.00	0	0.00	0.00
	M (1.0 - 1.3% ni)	45,119	1.18	72.97	347	1.21	29.08	137	1.21	29.08
	L (1.3 - 1.6% ni)	23,825	1.37	71.56	289	1.52	33.47	1,191	1.48	19.19
	N (1.6 - 1.9% ni)	388	1.63	69.61	13,888	1.76	37.19	12,497	1.79	27.05
	H (1.9 - 2.2% ni)	0	0.00	0.00	16,972	2.09	35.36	21,023	2.04	27.53
	S (Above 2.2% ni)	0	0.00	0.00	13,209	2.32	33.38	14,907	2.33	28.63
Area Total		88,324	1.17	72.55	44,705	2.05	35.28	49,755	2.05	27.54
Area1_West	WST (Below 1.0% ni)	22,785	0.90	72.51	0	0.00	0.00	0	0.00	0.00
	M (1.0 - 1.3% ni)	37,657	1.16	71.64	3,200	1.26	40.31	2,454	1.19	22.28
	L (1.3 - 1.6% ni)	14,814	1.38	70.40	12,566	1.50	32.99	14,346	1.48	28.13
	N (1.6 - 1.9% ni)	375	1.67	69.07	18,037	1.75	32.42	26,220	1.74	30.06
	H (1.9 - 2.2% ni)	0	0.00	0.00	9,190	1.97	34.46	12,807	1.97	31.70
	S (Above 2.2% ni)	0	0.00	0.00	2,221	2.32	27.30	3,067	2.33	24.46
Area Total		75,631	1.13	71.65	45,214	1.72	33.30	58,894	1.73	29.33
Area2	WST (Below 1.0% ni)	49,838	0.89	68.88	0	0.00	0.00	49	0.89	17.97
	M (1.0 - 1.3% ni)	148,017	1.17	69.71	392	1.25	23.67	2,561	1.16	19.34
	L (1.3 - 1.6% ni)	34,159	1.39	68.74	2,421	1.52	28.02	22,654	1.50	22.86
	N (1.6 - 1.9% ni)	329	1.69	68.73	60,037	1.80	31.45	91,832	1.79	25.67
	H (1.9 - 2.2% ni)	0	0.00	0.00	50,709	2.03	31.97	80,309	2.04	29.80
	S (Above 2.2% ni)	0	0.00	0.00	9,721	2.30	31.98	13,683	2.30	30.51
Area Total		232,343	1.14	69.39	123,280	1.93	31.61	211,088	1.88	27.17
Area3	WST (Below 1.0% ni)	27,065	0.89	71.55	0	0.00	0.00	1,393	0.90	18.37
	M (1.0 - 1.3% ni)	80,026	1.17	71.37	8	1.08	20.10	5,282	1.15	19.71
	L (1.3 - 1.6% ni)	45,741	1.39	69.84	3,542	1.53	32.80	16,362	1.48	23.86
	N (1.6 - 1.9% ni)	2,941	1.69	67.11	10,061	1.78	28.43	34,107	1.78	24.34
	H (1.9 - 2.2% ni)	129	1.99	64.40	33,767	2.43	33.15	53,736	2.06	27.15
	S (Above 2.2% ni)	0	0.00	0.00	33,767	2.43	33.15	86,660	2.43	28.91
Area Total		155,902	1.20	70.87	81,145	2.31	32.55	197,540	2.09	26.90

Infrastructure; All weather airfield.



Laboratory; 1 MM tpa



Camp Accommodation; Staff



Accommodation; Management, built with local material where possible with local labor.



Office; Converted sea containers.



Clinic; Serves Mine & Community



Clinic



DSO Shipping; Barge Operation – Alternate to Building Port



Barges Along Side



Clam Shell Loading



Sling Net Loading



Sling nets



Causeway; Barge Loading Location



Challenges; Flood



Challenges; Wet Stockpiles



Challenges; Sediment Ponds Full



Challenges; Losing Stockpiles



Challenges; Mine Access Bridge in Typhoon



That's where the bridge was...



Challenges; Changing & Improving Local Skills & Habits



Challenges; Changing & Improving Local Skills & Habits



Challenges.....



INTERNAL MEMORANDUM

To: Berong Nickel Mine Personnel
Date: 9, October 2007
Subject: Animals in BNC Leighton Camp Area
Cc; Barangay Council

As of 0600 hrs today, any animals including dogs, cats, chickens, roosters and pigs found to be within our camp area will be exterminated and the carcass destroyed.

This action is being taken with the interests of hygiene and the well being of those people living in the camp.

Should anybody have an issue with this action, by appointment please present yourself to the undersigned.

I look forward to your support in working towards a clean and healthy prosperous camp.

And More Challenges



And More



LKI Moto

Nothing Will Surprise Us
Nothing Is Too Hard
Only Money May Stop Us