

Phase	Cumulative Phase surface Area (m2)	Phase surface Area (m2)	Assumed depth of soil strip (m)	Volume of soils stripped (m3)	Cumulative extraction volume (soil/overburden/mineral) (m3) - kgm	Extraction volume per phase (soil/overburden/mineral) (m3) - kgm	Volume of overburden + mineral (m3)	Volume of Overburden (total minus mineral and soil) (m3)	Cumulative Mineral Volume (m3) - kgm	Mineral Volume per phase (m3) - kgm	Mineral Tonnage (@1.87t/m3)	27% Mineral Wastage (m3)	Mineral Remaining after wastage (m3)	Mineral Remaining after wastage - Tonnage (@1.87t/m3)	Duration of Phase @ 250,000t/yr
1	175,781	175,781	1.0	175,781	3,319,376	3,319,376	3,143,595	1,340,429	1,803,166	1,803,166	3,371,920	486,855	1,316,311	2,461,502	9.8
2	486,048	310,267	1.0	310,267	7,900,965	4,581,589	4,271,322	1,142,964	4,931,524	3,128,358	5,850,029	844,657	2,283,701	4,270,522	17.1
3	682,504	196,456	1.0	196,456	9,755,301	1,854,336	1,657,880	220,032	6,369,372	1,437,848	2,688,776	388,219	1,049,629	1,962,806	7.9
4	828,997	146,493	1.0	146,493	11,241,582	1,486,281	1,339,788	288,957	7,420,203	1,050,831	1,965,054	283,724	767,107	1,434,489	5.7
5	939,498	110,501	1.0	110,501	12,168,034	926,452	815,951	5,205	8,230,949	810,746	1,516,095	218,901	591,845	1,106,749	4.4
Total	-	939,498	-	939,498	-	12,168,034	11,228,536	2,997,587	-	8,230,949	15,391,875	2,222,356	6,008,593	11,236,068	44.9

8,230,949

Volume for restoration: 3,937,085

Note: kgm means calculated figure from ground model