

RESERVE CALCULATION

LOCALITY A - BARMA AREA

For detailed reserve calculation, the entire Sewa Channel, from north (Palima Village) to south (south of Koromboya) have been divided into square kilometre mining blocks. The surface width of the river Sewa, averaging 150 yds, with a bank gradient of 60° would average minimum 50 to 60 yds at its bottom. The diamondiferous gravel thickness varies from 0.75 yd to 1.25 yds, an average of 1.0 yd would be used for the reserve calculation. The average grade by cubic yard is at 1.24 carat.

CALCUTATIONS

BLOCK A	500 yds * 50 yds * 1 yd	= 25,000 yds ³
BLOCK B	1100 yds * 50 yds * 1 yd	= 55,000 yds ³
BLOCK C	800 yds * 50 yds * 1 yd	= 40,000 yds ³
BLOCK D	800 yds * 50 yds * 1 yd	= 40,000 yds ³
BLOCK E	900 yds * 60 yds * 1 yd	= 54,000 yds ³
BLOCK F	800 yds * 60 yds * 1 yd	= 48,000 yds ³
BLOCK G	1000 yds * 50 yds * 1 yd	= 50,000 yds ³
BLOCK H	1100 yds * 50 yds * 1 yd	= 55,000 yds ³
BLOCK I	1100 yds * 50 yds * 1 yd	= 55,000 yds ³
BLOCK J	1000 yds * 50 yds * 1 yd	= 50,000 yds ³
BLOCK K	1000 yds * 50 yds * 1 yd	= 50,000 yds ³
BLOCK L	1100 yds * 50 yds * 1 yd	= 55,000 yds ³
BLOCK M	1100 yds * 50 yds * 1 yd	= 55,000 yds ³
BLOCK N	1100 yds * 50 yds * 1 yd	= 55,000 yds ³
BLOCK O	500 yds * 50 yds * 1 yd	= 25,000 yds ³

TOTAL YARDAGE = 712,000 yds³

With an average of 1.24 carat per cubic yard, the area would yield 882,880 carats of diamond.

THE MORO KIMBERLITE AREA

1. THE MORO KIMBERLITE DEPOSIT

The four (4) dykes picked by the Geological Surveys Division occur within a kimberlite area extending 1,500 yds per 1000 yds. This gives an area of 1,500,000 yds². The average thickness of weathered material is 2 yds thick with an average grade of 0.13 carat/yd³.

DIRECTOR, GEOLOGICAL SURVEYS

DATE

5/17