

This gives a reserve figure of:

$$1,500,000 * 2 * 0.3$$

$$= 390,000 \text{ Carats.}$$

This does not take into account the parent underlying kimberlite dyke material which would require more detailed exploration to demarcate precisely the structure and grade of the deposit.

2. THE TERRACE AND SWAMP DEPOSITS

The lateral extent of the terrace and swamp deposits cover an area of approximately 1,000,000 yd³ with an average gravel thickness of 1 yd. The grade of the deposit is 0.13 carat per cubic yard. This gives a diamond reserve of:

$$1,000,000 * 1 * 0.13.$$

$$= 130,000 \text{ Carats.}$$

3. THE MORO CHANNEL DEPOSITS

Some of the diamonds within the Moro Channel are definitely from the adjoining kimberlite dykes and others from a source in Liberia. The length of the Moro Channel containing diamondiferous deposit is 8000 yds with a width of 50 yds. The gravel thickness is 0.5 yd with an average grade of 1.0 carat per cubic yard. The reserve is calculated at:

$$8,000 * 50 * 0.5 * 1.0$$

$$= 200,000 \text{ Carats.}$$

TOTAL RESERVE STATUS

Total Reserves of Diamond within the Barma Area and the Moro Kimberlite Area:

DEPOSIT	RESERVES
A. THE BARMA AREA (SEWA CHANNEL)	882,880 carats
B. MORO KIMBERLITE AREA	
1. The Kimberlite deposit	390,000 carats
2. The Terrace/Swamp deposit	130,000 carats
3. The Moro Channel	200,000 carats
GRAND TOTAL	= 1,502,880 Carats

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DIRECTOR, GEOLOGICAL SURVEY

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