• D15 of the rockfill < 5 * D85 of the transition

2.3.2.9 Quantities

Table 2-4 [EBA Table 4] presents the in-place quantities of material required for each zone of the West Dam if constructed as per design geometry. The quantities of material do not include any contingency for waste.

Table 2-4: Dam Material Quantities

TABLE 4: DAM MATERIAL QUANTITIES					
Structure	Geocomposite Clay Liner (GCL) (m^2)	Fill Material Type			
		20 mm minus (m^3)	Transition (m^3)	Rockfill Shell (m^3)	Till (m^3)
West Dam	6100	17,000	7,600	52,000	3,100

Note: Quantities are "in-place". Seaming allowance and contingencies must be added to GCL quantities. It is recommended that 20% extra quantities be available on site. Bulking factors and contingencies must be added to fill quantities; 20% should be added to reported quantities for stockpile volumes.

2.3.3 East and Southeast Dams

The section is taken from EBA East and Southeast Dam Design Report (2005b)

2.3.3.1 Dam Siting and Alignment Selection

The Dams are located at the east end of Long Lake, immediately south of the mine process plant as shown on Drawing ED-1. The dams are located in small saddles between bedrock ridges.

2.3.3.2 Foundation Conditions

The estimated surficial geology of the East and Southeast Dam is shown in Figure 2-7 [EBA Drawing ED-2].
Bedrock outcrops are visible at the abutments of the East Dam and Southeast Dam.

For design purposes, it has been assumed that the tills are ice rich in the low-lying areas between the bedrock abutments. This assumption provides a conservative design for stability analyses and dam design.D

2.3.3.3 Design Cross-Sections

The planned layouts and cross sections of the East and Southeast Dams are in Figures 2-8 and 2-9 [EBA Drawings ED-3 and ED-4].