



MOUNT MILLIGAN MINE

Mining & minerals

Dump structures

Canada, British Columbia



Owner / Client :
Thompson Creeks Metals

Engineer :
Fluor Amec JV

Main contractor :
Duz Cho Construction

Terre Armée entity :
Reinforced Earth Company Ltd
(Canada)

Date :
2012

Activity :
Reinforced Earth

System :
TerraTrel

Reinforcement :
HA / HAR steel strips

Key figures :
Area : 4,960 m²
Height : 33 m



The Project

The Mount Milligan Mine is an open pit copper-gold mine, located in Central British Columbia. 155 km Northwest of Prince George.

The dump wall includes two Reinforced Earth walls at each side of the primary crusher structure, with a maximum height of 33 m, which make them the highest MSE walls in Canada.

The Solution

Due to the height of the structure and the surcharge loads, HA steel strips were used. The short design life (23 years) allowed the choice of wire mesh facing panels.

The advantages

The key challenges were the height of the walls and the surcharge loads : 300 tons for a Manitowoc 2250 crane (40 kPa) and 300 tons for Cat 793F dump trucks (50 kPa).

