

■ BULLMOOSE COAL MINE

ASP 001, 012, 014, 015

016504

The Bullmoose mine is an open pit coal mine located in northeastern British Columbia, 40 km from Tumbler Ridge and 900 km northeast of Vancouver. It was developed at a cost of \$275 million, \$37 million under budget. The construction was part of a major northern development program which included a 136 km railroad built by B.C. Rail, a new townsite at Tumbler Ridge and a new coal port facility at Prince Rupert.

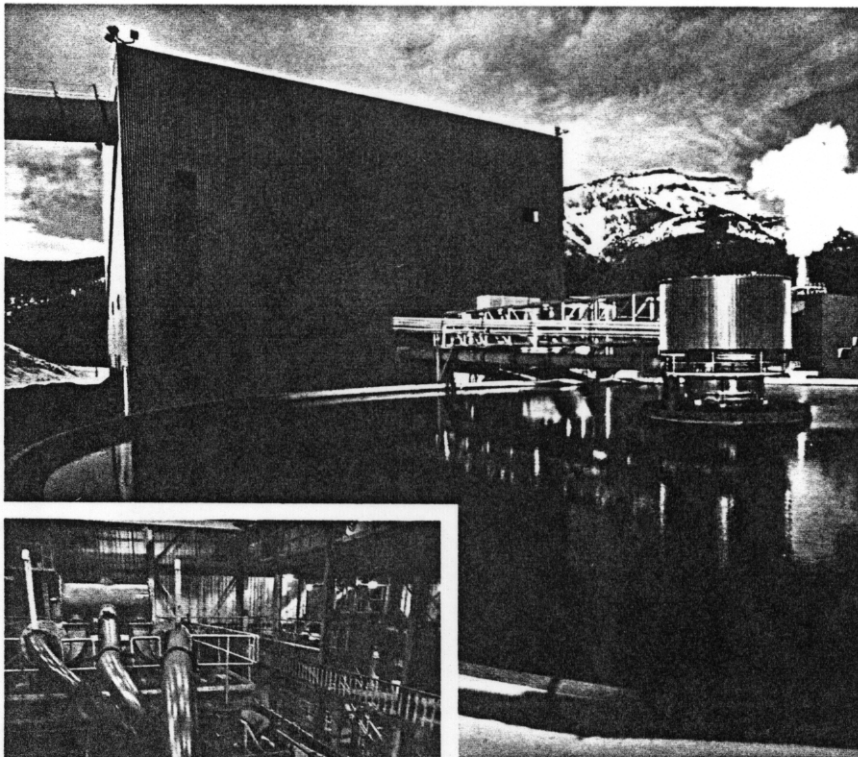
The coal occurs in five gently dipping seams which vary in thickness from 1.0 to 4.9 metres. The combined seam thickness is 12.4 metres.

A conventional truck and shovel operation is used in the open pit. Coal from the five seams is blended in order to control product quality.

Raw coal is transported by a 1.1 km regenerative downhill conveyor to a silo ahead of the wash plant. The coal is cleaned using heavy media cyclones and flotation. A programmable logic controller allows the breaker, dryer and clean coal loadout system to be operated on a remote basis from the central control room in the wash plant.

Clean coal is truck hauled 35 km to two 11,000 tonne train loadout silos or a railside stockpile. The loadout system uses pre-weigh bins to load a 98 car unit train in less than 4 hours.

The coal is transported by rail to the port facility at Prince Rupert and is then shipped to nine Japanese steel companies under long-term contracts.



Capital cost, \$	275,000,000
Annual capacity (tonnes clean coal)	2,300,000
Wash plant capacity (tonnes clean coal/day)	6,550
Wash plant yield, %	75
Construction start	May, 1982
Construction completion	November, 1983
Teck equity, %	61
Number of employees	400

Bullmoose plant site, with thickener in foreground and wash plant and dryer behind, and inset interior of the cleaning plant showing heavy media cyclones.