



**ON THE ISLAND OF NEWFOUNDLAND, THE BAY D'ESPOIR SYSTEM IS A LARGE RESERVOIR DEVELOPMENT WHICH BEGINS AT VICTORIA LAKE AND RUNS 150 KILOMETERS TO BAY D'ESPOIR.**

Through a man-made range of dams, dykes and canals, this water is directed to generating plants at Granite Canal, Upper Salmon and then to its final destination at the generating plant in Bay d'Espoir.

Additional water is collected, stored and diverted from a number of drainage areas between Victoria Lake and Long Pond, which acts as the reservoir for the Bay d'Espoir plant. The Bay d'Espoir plant has seven generating units with a capacity of 605 megawatts and can produce more than 2,600 gigawatt hours of electrical energy annually.

Approximately midway in the Bay d'Espoir system lies Meelpaeg Lake, the largest reservoir in the system. Meelpaeg Lake has an approximate elevation of 365 meters. There is a control structure at Meelpaeg Lake which controls the main water flow to the Upper Salmon Plant which uses the elevation difference between Meelpaeg and Round Pond to generate electricity.

The total energy produced by the Bay d'Espoir system accounts for almost 40 per cent of the island of Newfoundland's electrical needs.

