

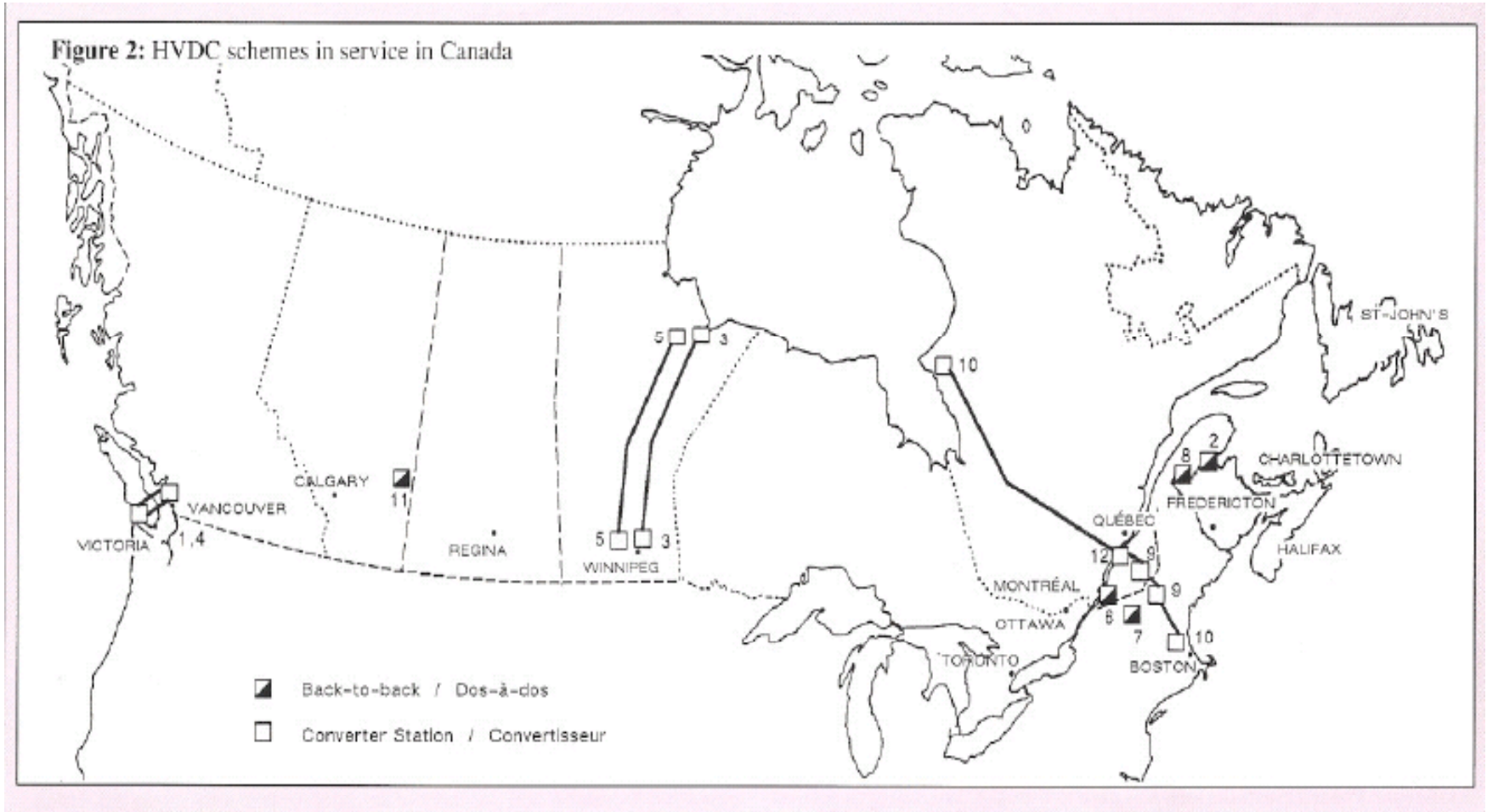
High Voltage DC Cables in Canada



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Hydro Québec TransÉnergie

Close and Return





British Columbia

300 kV DC Sub-marine Cables

Year	Voltage	Capacity	MW	Operation
1969	300	310		Monopolar
1975	300	370		Mono-polar

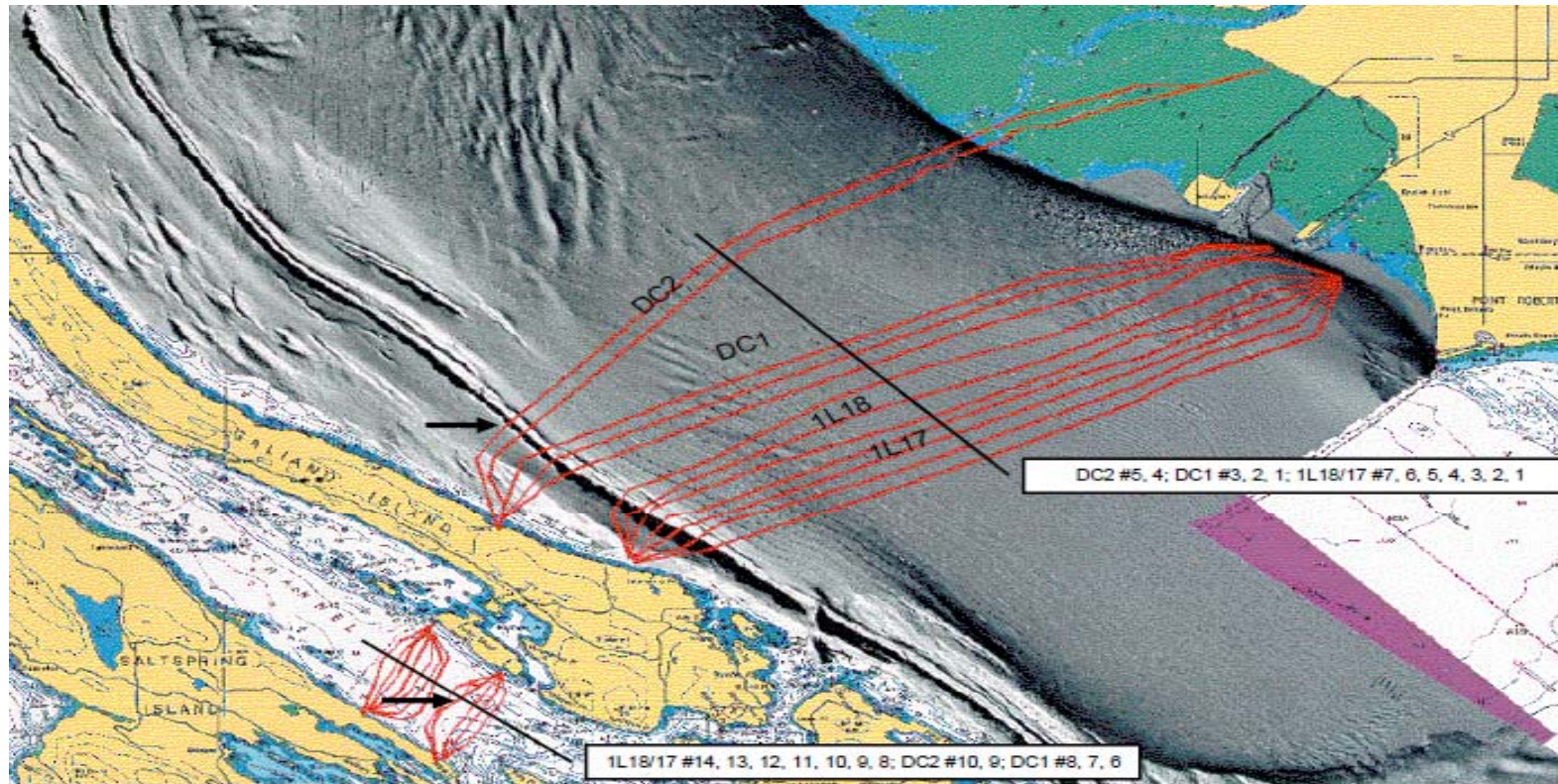
Cable Laying by 'Marcel Bayard' - 1969



Floating the shore ends



Mainland to Vancouver Island



Southern VI HV AC/DC Submarine Cable Locations



Québec

Interconnection with New England at +/- 450 kV

A Bi-polar HV DC cables system is installed in a tunnel under the Saint Lawrence River

Size 1400 mm²

Voltage +/- 450 kV

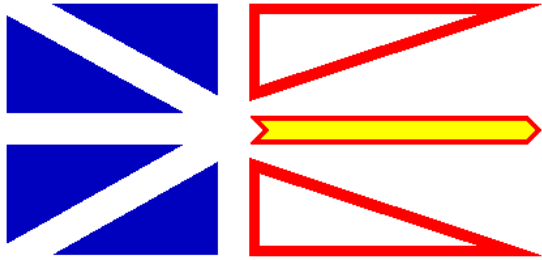
Capacity 2000 MW

450 kV DC Cables

Cable pulling in the tunnel



Newfoundland-Nova Scotia



What is being planned ?

A new HV DC submarine cable interconnection between Newfoundland and Nova Scotia is being planned

Interconnection between Newfoundland and Nova Scotia



Experience

Good experience for over 40 years (BC)

Good experience for almost 20 years (QC)

The future of DC submarine and
land cables is promising

Merci

Thank you