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MARINE GEOPHYSICAL AND GEOLOGICAL SURVEYS OF THE FRASER DELTA SLOPE AND ADJACENT STRAIT OF GEORGIA: 1991 GEOPHYSICAL SURVEY TRACKLINES AND 1983-1992 CORE LOCATIONS

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This map illustrates the grid of over 700 km of geophysical lines that were surveyed during cruises PGC91-01 (C.S.S. Tully, February 9-15, 1991) and PGC91-04 (C.S.S. Parizeau, May 13-24, 1991). These lines were located to provide regional geoscience coverage of the Fraser Delta slope and adjacent Strait of Georgia. Data acquired include: a) Hunttec Deep Tow Seismic high-resolution sub-bottom profiles with internal and external hydrophones both filtered at 700 Hz - 10 kHz, and analogue records produced on EPC 4800 and 4100 recorders, b) 100 kHz side-scan sonar imagery recorded on a Klein 595 recorder, corrected for ship's speed and slant range, with a range of 150 m or 200 m per channel, c) 12 kHz bathymetry. Hunttec and side-scan sonar data were both recorded in analogue format on 8-track tape. Ship's survey speed on both cruises was typically 3-4 knots. Navigation data were collected with Internav 408 Loran C and Magnavox 4400 and Trimble Pathfinder GPS receivers. Detailed grids of survey lines from the Sand Heads area and south-central Roberts Bank are illustrated in accompanying maps. Data presented on this and subsequent sheets are available for inspection at the Pacific Geoscience Centre.

— — — Hunttec DTS high resolution seismic profiler

— — — Sidescan sonar, Hunttec DTS

P91-A5 Vessel, year-line number

0000 Time (GTM)

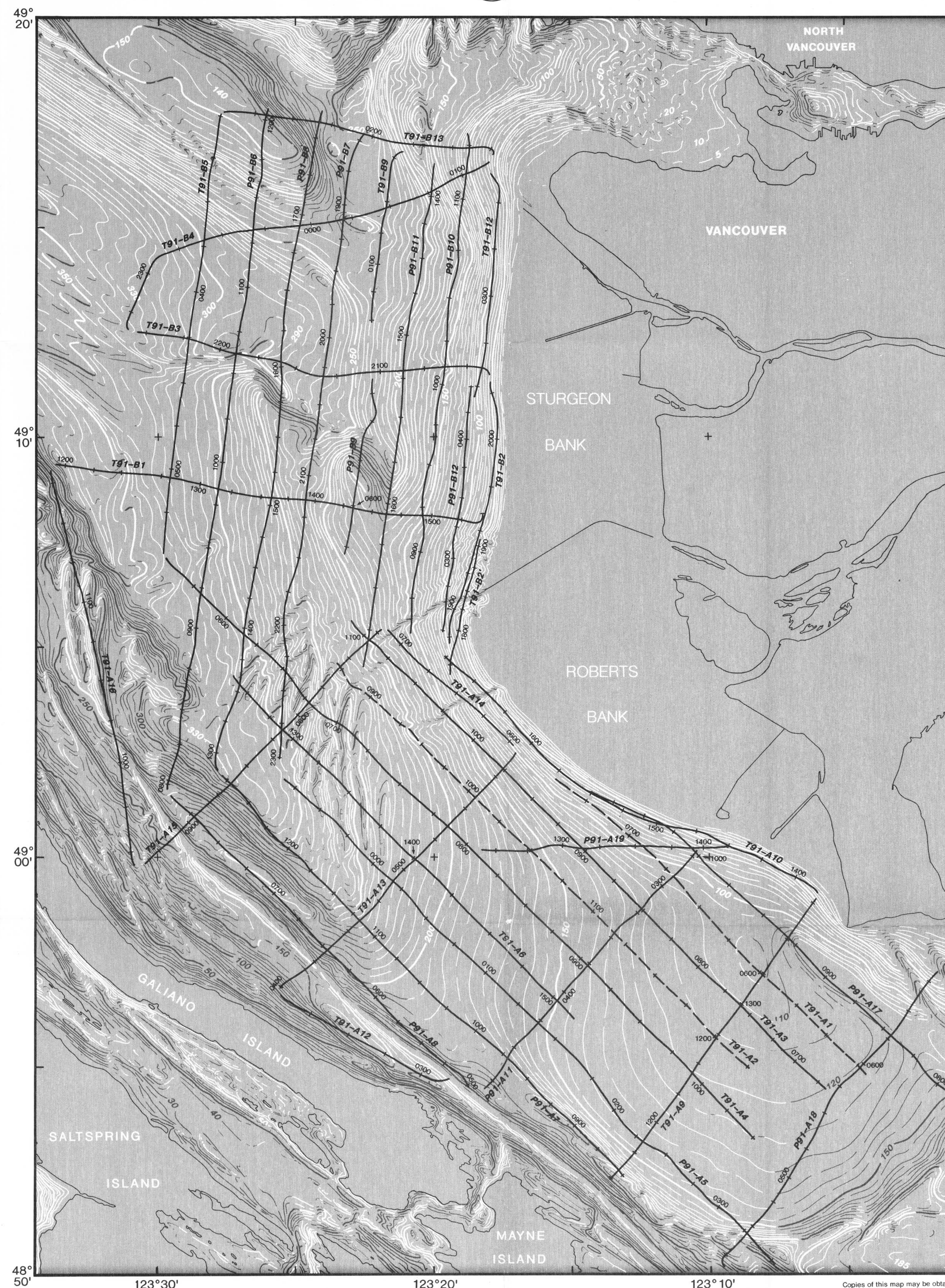
Vessel Abbreviation

P CSS Parizeau

T CSS Tully

Cartography by B. Sawyer and R. Franklin

Transverse Mercator Projection



Copies of this map may be obtained
from Island Blue Print Co. Ltd.:
905 Fort Street, Victoria, B.C. V8V 3K3

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