



O.F.961 Geological Survey of Canada

MOSAIC

ADJACENT SIDE-SCAN SONAR STRIPS WERE ASSEMBLED TO PROVIDE A PARTIAL MOSAIC OF THE SEA FLOOR THAT IS APPROXIMATELY SCALE TRUE. DIGITAL DATA, ACQUIRED AT AN ORIGINAL SCALE OF 1:1000, WERE REPLAYED FROM TAPE TO PROVIDE SPEED CORRECTION USING NAVIGATION DATA. SONAR SWATHS (EACH COVERING 200m) WERE

TRIMMED FOR OVERLAP AND POSITIONED RELATIVE TO EACH OTHER USING POST-PLOTTED TRACKLINES. GAPS RESULT FROM INADEQUACIES IN ORIGINAL LINE COVERAGE AND UNCORRECTED DATA DUE PRIMARILY TO FREQUENT CABLE LENGTH CHANGES NECESSITATED BY BOTTOM RELIEF.