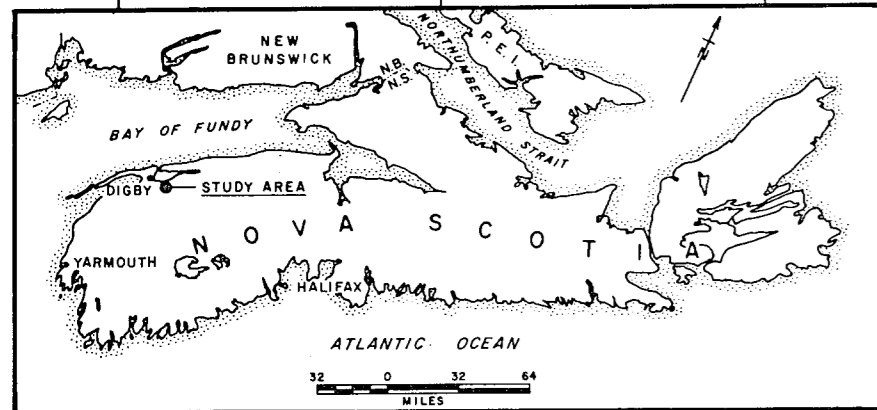


MAP NO. 2
HYDROGEOLOGY AND SURFICIAL MAP
OF THE
SMITHS COVE AREA, NOVA SCOTIA

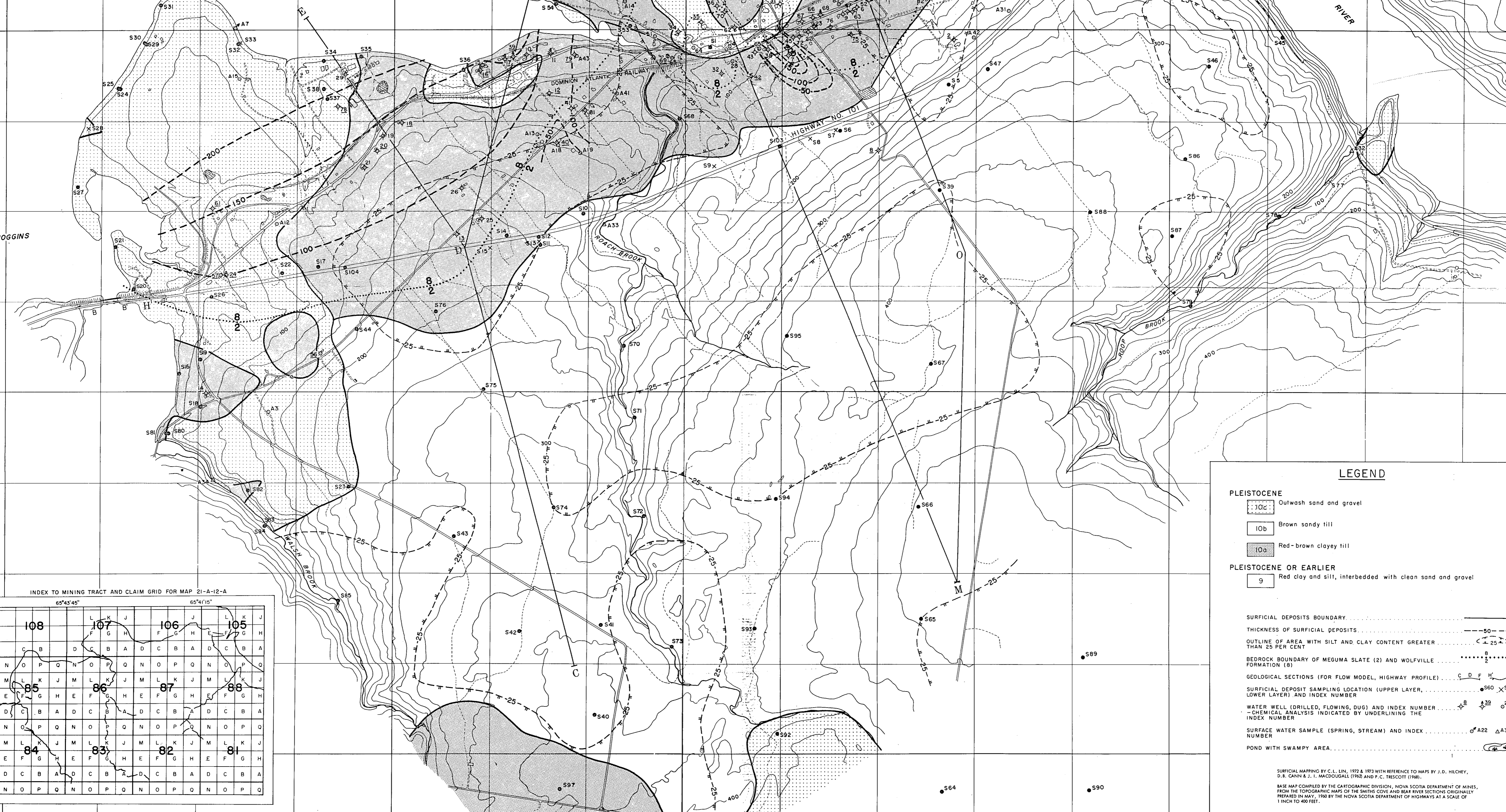
400 0 400 800 1200 1600
CHANG L. LIN FEET JULY 1973



ANNAPOLIS BASIN

THE JOGGINS

BEAR RIVER



LEGEND

- PLEISTOCENE**
- 10c Outwash sand and gravel
 - 10b Brown sandy till
 - 10a Red-brown clayey till
- PLEISTOCENE OR EARLIER**
- 9 Red clay and silt, interbedded with clean sand and gravel

- SURFICIAL DEPOSITS BOUNDARY** ———
- THICKNESS OF SURFICIAL DEPOSITS** — 50 ———
- OUTLINE OF AREA WITH SILT AND CLAY CONTENT GREATER THAN 25 PER CENT** — 25 ———
- BEDROCK BOUNDARY OF MEGUMA SLATE (2) AND WOLFVILLE FORMATION (8)** — 8 ———
- GEOLOGICAL SECTIONS (FOR FLOW MODEL, HIGHWAY PROFILE)** C D F H ———
- SURFICIAL DEPOSIT SAMPLING LOCATION (UPPER LAYER, LOWER LAYER) AND INDEX NUMBER** ● S60 x S6
- WATER WELL (DRILLED, FLOWING, DUG) AND INDEX NUMBER** ● S39 ● S28
- CHEMICAL ANALYSIS INDICATED BY UNDERLINING THE INDEX NUMBER** ● S39 ● S28
- SURFACE WATER SAMPLE (SPRING, STREAM) AND INDEX NUMBER** ● A22 Δ A34
- POND WITH SWAMPY AREA** ———

SURFICIAL MAPPING BY C. L. LIN, 1972 & 1973 WITH REFERENCE TO MAPS BY J. D. HILCHEY, D. B. CANN & J. I. MACDONALD (1962) AND F. C. FRESCOTT (1966).
BASE MAP COMPILED BY THE CARTOGRAPHIC DIVISION, NOVA SCOTIA DEPARTMENT OF MINES, FROM THE TOPOGRAPHIC MAPS OF THE SMITHS COVE AND BEAR RIVER SECTIONS ORIGINALLY PREPARED IN MAY, 1960 BY THE NOVA SCOTIA DEPARTMENT OF HIGHWAYS AT A SCALE OF 1 INCH TO 400 FEET.

