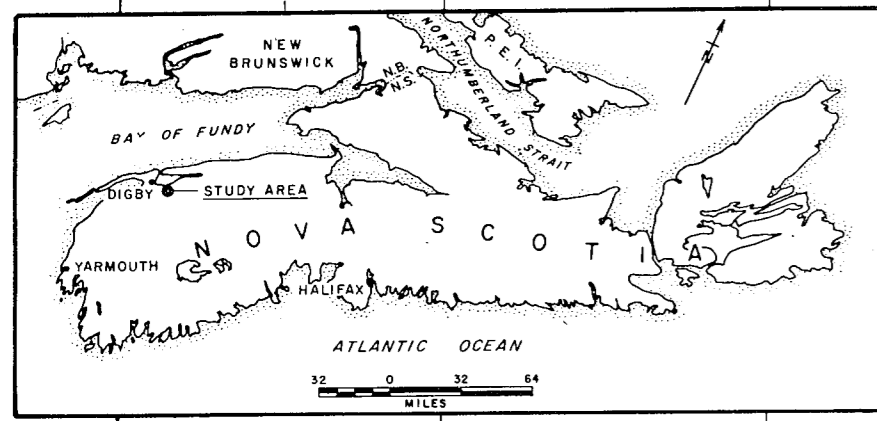


MAP NO. 1  
HYDROGEOLOGY AND BEDROCK MAP  
OF THE  
SMITHS COVE AREA, NOVA SCOTIA

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



LEGEND

- MESOZOIC**  
**TRIASSIC**  
 FUNDY GROUP  
 WOLFVILLE FORMATION: sandstone and shale  
 8
- PALAEZOIC**  
**DEVONIAN, MIDDLE OR UPPER**  
 Mafic intrusives: mostly sills of gabbro
- ORDOVICIAN, LOWER**  
 MEGUMA GROUP  
 HALIFAX FORMATION: grey and black slate with minor quartzite  
 2
- ROCK OUTCROP, AREA OF ROCK OUTCROP: X X X X
- GEOLOGICAL SECTIONS (FOR USE IN FLOW MODEL, HIGHWAY PROFILE): C D F H
- GEOLOGICAL BOUNDARY (DEFINITE, APPROXIMATE, ASSUMED): - - - - -
- BEDROCK BOUNDARY OF MEGUMA SLATE (2) AND WOLFVILLE FORMATION (8): 8/2
- BEDDING PLANE WITH STRIKE AND DIP ANGLE (INCLINED, VERTICAL): 60 20
- AXES OF MINOR FOLDS (HORIZONTAL, INCLINED): ↗ ↘ ↙ ↚
- TREND OF COMPLEXLY FOLDED BED (DIRECTION OF PLUNGING, KNOWN, UNKNOWN): ↗ ↘ ↙ ↚
- ANTICLINAL AXIS (DEFINED, APPROXIMATE): - - - - -
- SYNCLINAL AXIS (DEFINED, APPROXIMATE): - - - - -
- FAULT (ASSUMED): - - - - -
- SURFICIAL DEPOSIT SAMPLING LOCATION (UPPER LAYER, LOWER LAYER) AND INDEX NUMBER: S60 X56
- WATER WELL (DRILLED, FLOWING, DUG) AND INDEX NUMBER: S68 S39 S28
- CHEMICAL ANALYSIS INDICATED BY UNDERLINING THE INDEX NUMBER
- SURFACE WATER SAMPLE (SPRING, BROOK) AND INDEX NUMBER: S62 S34 S33
- POND WITH SWAMPY AREA: S64 S90

INDEX TO MINING TRACT AND CLAIM GRID FOR MAP 21-A-12-A

108	L K J	106	J L K J
	F G H		G H
	C B D		C B A
N O P Q N O P Q N O P Q			
M L K J M L K J M L K J	85	86	87
E F G H E F G H E F G H			
D C B A D C B A D C B A			
N O P Q N O P Q N O P Q			
M L K J M L K J M L K J	84	83	82
E F G H E F G H E F G H			
D C B A D C B A D C B A			
N O P Q N O P Q N O P Q			

BEDROCK MAPPING BY C. L. LIN, 1972 & 1973, WITH REFERENCE TO BEDROCK MAPS BY P. C. TRESMOTT (1968), F. C. TAYLOR (1969), W. G. SMITHERINGALE (1971).  
 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.