

GEOLOGY OF THE NORTHERN LEWIS HILLS,
WESTERN NEWFOUNDLAND

1977

GEOLOGY BY J.A. KARSON

APPROXIMATE AVERAGE SCALE 1:14,800

0 0.5 1.0 2.0 MILES

0 0.5 1.0 2.0 KILOMETERS

NOTE: THIS MAP IS AN AIRPHOTOMOSAIC COMPILATION. THE SCALE IS VARIABLE, ESPECIALLY NEAR ESCARPMENTS, AND THERE ARE CONCEALED MISFITS BETWEEN SOME OF THE PHOTOGRAPHS USED TO COMPILE IT. IT SHOULD NOT BE USED FOR VERY ACCURATE MEASUREMENTS.

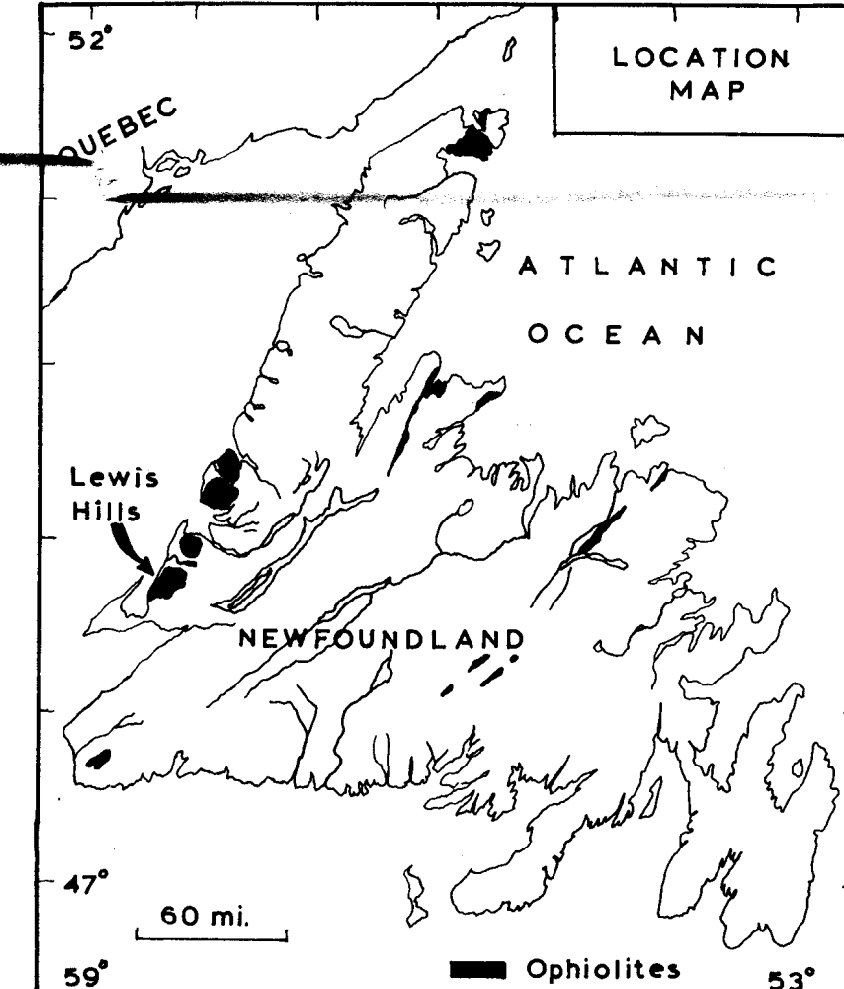


PLATE V

COMPRESSIONAL VELOCITIES
OF MAFIC AND ULTRAMAFIC ROCKS
IN THE NORTHERN LEWIS HILLS
(1.5 kb Confining Pressure)

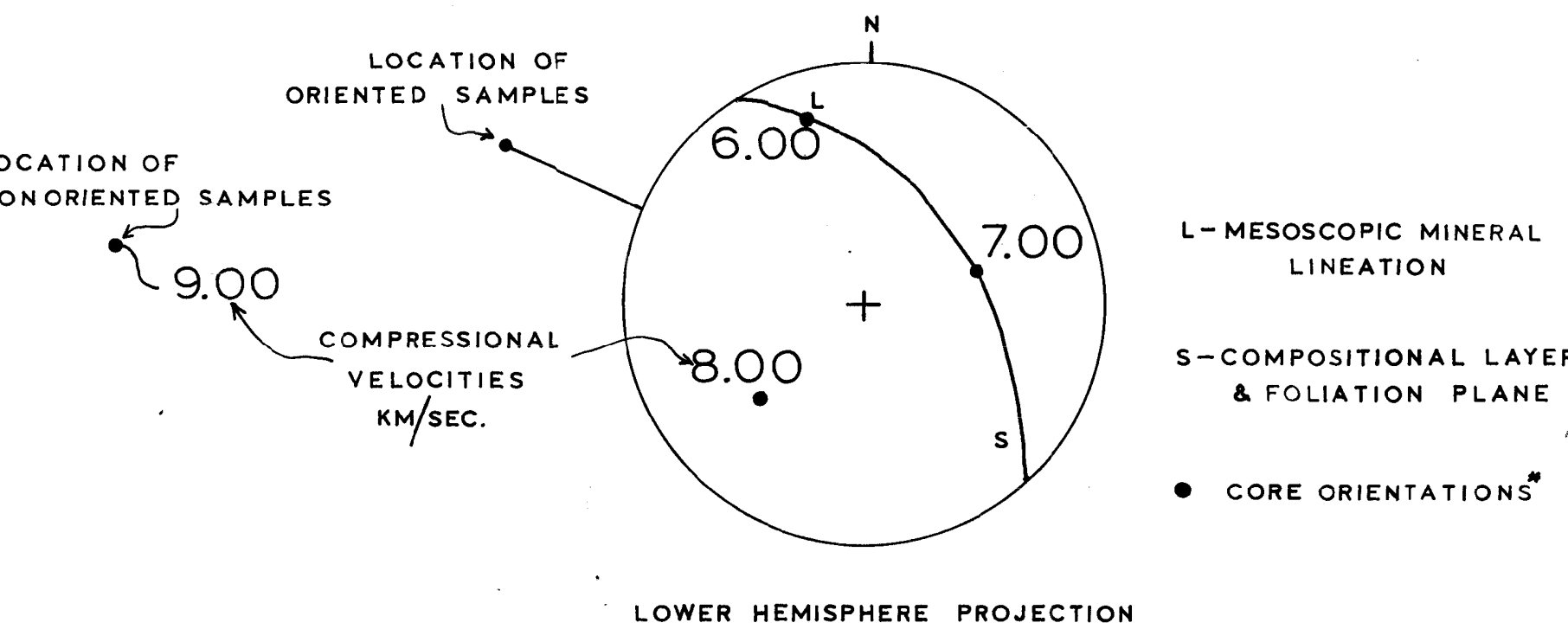
LITHOLOGIES

	FINE-GRAINED GABBRO TO DIABASE DIKES	
	QUARTZ-DIORITE	
	SHEETED DIKE COMPLEX	
	METAGABBROS	
	HERZOLITE	
	GABBROIC GNEISSES, MIGMATITES, AMPHIBOLITES	
	CUMULATE GABBROS & WEHLITES	
	TECTONITE GABBROS & WEHLITES	
	TECTONITE & CUMULATE DUNITES	
	TECTONITE HARZBURGITES, DUNITES & ORTHOPYROXENITES	
	GARNET AMPHIBOLITES & PHYLLITES	
	ALLOCHTHONOUS CLASTIC SEDIMENTS & MELANGE	

CONTACTS & SYMBOLS

	PONDS, WATERHOLES, STREAMS, BROOKS, RIVERS
	LIMITS OF INDIVIDUAL OUTCROPS
	LEWIS HILLS THRUST FAULT
	MYLONITIC DISLOCATION ZONES
	FAULTS
	GEOLOGIC CONTACTS
	TRACE OF COMPOSITIONAL LAYERING SURFACE
	BOUNDARIES OF MAJOR HIGH STRAIN ZONES
	STRIKE & DIP OF COMPOSITIONAL LAYERING
	STRIKE & DIP OF METAMORPHIC FOLIATIONS
	TREND & PLUNGE OF MINERAL LINEATIONS

ORIENTATION DIAGRAMS
& COMPRESSIONAL VELOCITIES



* CORES WERE DRILLED IN 3 MUTUALLY PERPENDICULAR DIRECTIONS WITH RESPECT TO MESOSCOPIC FABRIC ELEMENTS:
L - L, IN S
S - S, IN L
C - C, IN S