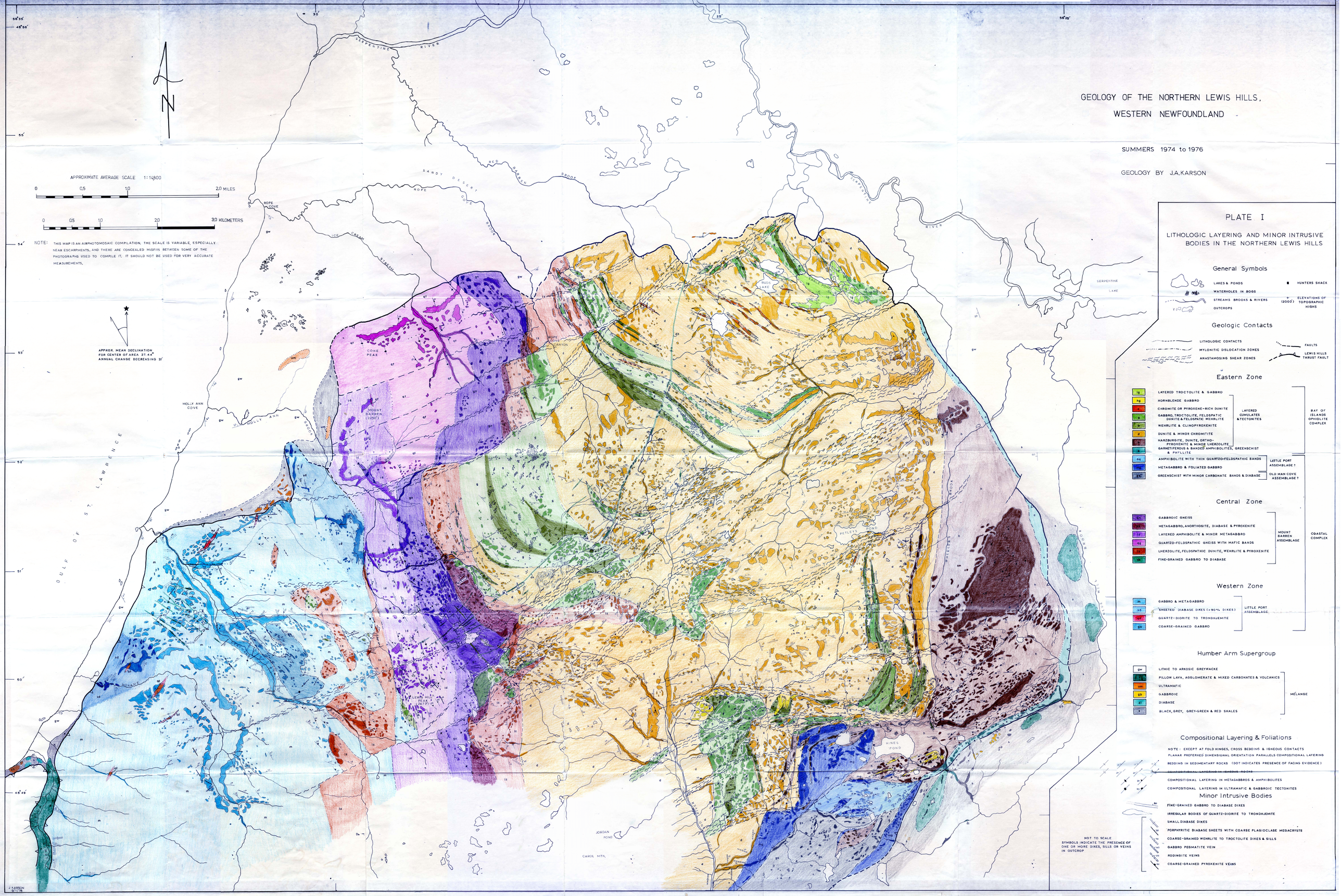
GEOLOGY OF THE NORTHERN LEWIS HILLS,
WESTERN NEWFOUNDLAND
SUMMERS 1974 to 1976
GEOLOGY BY J.A.KARSON
APPROXIMATE AVERAGE SCALE 1:14800
0 0.5 1.0 2.0 MILES
0 0.5 1.0 2.0 3.0 KILOMETERS
NOTE: THIS MAP IS AN AIRPHOTOMOSAIC COMPILATION. THE SCALE IS VARIABLE, ESPECIALLY NEAR ESCARPMENTS, AND THERE ARE CONCEALED MISFITS BETWEEN SOME OF THE PHOTOGRAPHS USED TO COMPILE IT. IT SHOULD NOT BE USED FOR VERY ACCURATE MEASUREMENTS.
APPROX. MEAN DECLINATION FOR CENTER OF AREA 27.4°
ANNUAL CHANGE DECREASING 3'
PLATE I
LITHOLOGIC LAYERING AND MINOR INTRUSIVE BODIES IN THE NORTHERN LEWIS HILLS
General Symbols
LAKES & PONDS
WATERHOLES IN BOGS
STREAMS BROOKS & RIVERS
OUTCROPS
HUNTERS SHACK
ELEVATIONS OF TOPOGRAPHIC HIGHS
Geologic Contacts
LITHOLOGIC CONTACTS
MYLONITIC DISLOCATION ZONES
ANASTAMOSING SHEAR ZONES
FAULTS
LEWIS HILLS THRUST FAULT
Eastern Zone
LAYERED TROCTOLITE & GABBRO
HORNBLENDE GABBRO
CHROMITE OR PYROXENE-RICH DUNITE
GABBRO, TROCTOLITE, FELDSPATIC DUNITE & FELDSPATIC WEHRLITE
WEHRLITE & CLINOPYROXENITE
DUNITE & MINOR CHROMITITE
HARZBURGITE, DUNITE, ORTHO-PYROXENITE & MINOR LHERZOLITE
LAYERED CUMULATES & TECTONITES
GARNETIFEROUS & BANDED AMPHIBOLITES, GREENSCHIST & PHYLLITE
AMPHIBOLITE WITH THIN QUARTZO-FELDSPATHIC BANDS
METAGABBRO & FOLIATED GABBRO
LITTLE PORT ASSEMBLAGE ?
GREENSCHIST WITH MINOR CARBONATE BANDS & DIABASE
OLD MAN COVE ASSEMBLAGE ?
BAY OF ISLANDS OPHIOLITE COMPLEX
Central Zone
GABBROIC GNEISS
METAGABBRO, ANORTHOSITE, DIABASE & PYROXENITE
LAYERED AMPHIBOLITE & MINOR METAGABBRO
QUARTZO-FELDSPATHIC GNEISS WITH MAFIC BANDS
LHERZOLITE, FELDSPATHIC DUNITE, WEHRLITE & PYROXENITE
FINE-GRAINED GABBRO TO DIABASE
MOUNT BARREN ASSEMBLAGE
COASTAL COMPLEX
Western Zone
GABBRO & METAGABBRO
SHEETED DIABASE DIKES (>90% DIKES)
QUARTZ-DIORITE TO TRONDHJEMITE
COARSE-GRAINED GABBRO
LITTLE PORT ASSEMBLAGE
Humber Arm Supergroup
LITHIC TO ARKOSIC GREYWACKE
PILLOW LAVA, AGGLOMERATE & MIXED CARBONATES & VOLCANICS
ULTRAMAFIC
GABBROIC
DIABASE
BLACK, GREY, GREY-GREEN & RED SHALES
MÉLANGE
Compositional Layering & Foliations
NOTE: EXCEPT AT FOLD HINGES, CROSS BEDDING & IGNEOUS CONTACTS
PLANAR PREFERRED DIMENSIONAL ORIENTATION PARALLELS COMPOSITIONAL LAYERING
BEDDING IN SEDIMENTARY ROCKS (DOT INDICATES PRESENCE OF FACING EVIDENCE)
COMPOSITIONAL LAYERING IN IGNEOUS ROCKS
COMPOSITIONAL LAYERING IN METAGABBROS & AMPHIBOLITES
COMPOSITIONAL LAYERING IN ULTRAMAFIC & GABBROIC TECTONITES
Minor Intrusive Bodies
FINE-GRAINED GABBRO TO DIABASE DIKES
IRREGULAR BODIES OF QUARTZ-DIORITE TO TRONDHJEMITE
SMALL DIABASE DIKES
PORPHYRITIC DIABASE SHEETS WITH COARSE PLAGIOCLASE MEGACRYSTS
COARSE-GRAINED WEHRLITE TO TROCTOLITE DIKES & SILLS
GABBRO PEGMATITE VEIN
RODINGITE VEINS
COARSE-GRAINED PYROXENITE VEINS
NOT TO SCALE
SYMBOLS INDICATE THE PRESENCE OF ONE OR MORE DIKES, SILLS OR VEINS IN OUTCROP
GULF OF ST. LAWRENCE
SERPENTINE RIVER
SANDY DESERT BROOK
RED RABBIT BROOK
ROPE COVE BROOK
ICE CREAM BROOK
ROPE COVE
ROPE COVE CANYON
CONE PEAK
MOUNT BARREN (2250')
MOLLY ANN COVE
MOLLY ANN BROOK
LEWIS HILLS PEAK (2777')
BUDS LAKE
SERPENTINE LAKE
PETLESS POND
HINES POND
JORDAN POND
CAROL MTN.
J KARSON 9/1/76