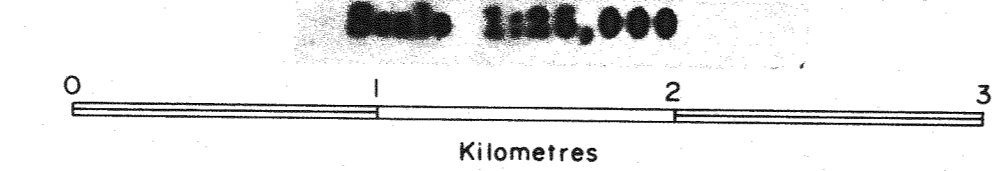


12H/15SW

12H/15SW

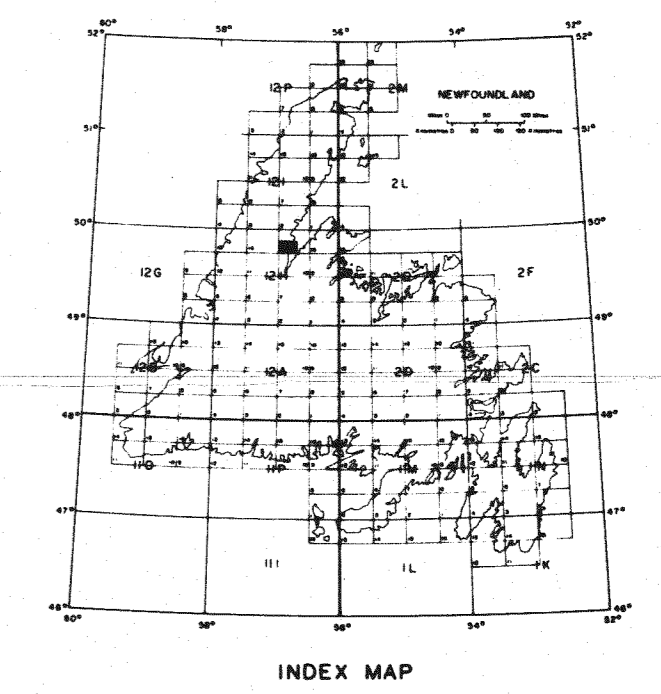


**MAP 81-110**  
**JACKSON'S ARM SOUTHWEST(12H/15SW)**  
 Scale 1:50,000



MINERAL DEVELOPMENT DIVISION  
 DEPARTMENT OF MINES AND ENERGY  
 GOVERNMENT OF NEWFOUNDLAND AND LABRADOR

LEGEND		SYMBOLS	
CARBONIFEROUS	27 Deer Lake Group: Poorly indurated, red conglomerate and sandstone of the North Brook Formation	Geological boundary (defined, approximate, assumed, gradational)	.....
POST-ACADIAN INTRUSIVE ROCKS	26 Angelle Group: Well indurated, thick bedded, gray sandstone and conglomerate with dark gray and black shale interbeds, minor red beds and buff to brown sandstone	Unconformity (defined, approximate, assumed)	.....
ACADIAN INTRUSIVE ROCKS	GULL LAKE INTRUSIVE SUITE (UNITS 23-25)	Fault (defined, approximate, assumed)	.....
DEVONIAN	25 Gales Brook Granite 25a Biotite ± muscovite, microgranite dikes 25d Chlorite-altered granite 25c Biotite granite porphyry 25b Fine grained biotite granite 25a Megacrystic biotite granite	Reverse fault (defined, approximate, assumed)	.....
SILURIAN	24 Gabbro dike and intrusion breccia; 24a, mafic dikes, possibly unrelated to Intrusive Suite	Bedding (tops known, unknown)	.....
SILURIAN	ACADIAN OROGENY	Eutaxitic foliation	.....
SILURIAN	23 Pre-tectonic, biotite granodiorite to tonalite	Igneous flow banding	.....
SILURIAN	22 Pink felsite dikes and sills	Cleavage, schistosity	.....
SILURIAN	21 Quartz monzonite sills	Crenulation cleavage	.....
SILURIAN	SOPS ARM GROUP (UNITS 15-20)	Gneissosity	.....
SILURIAN	20 Sops Island Volcanic Member of the Natline Cove Formation: Predominantly ash flow tuff and rhyolite flows 20a Pumice flow 20g Rhyolite 20f Conglomerate and volcanic breccia 20e Latic breccia 20d Mafic volcanic flows 20c Ash-flow tuff or ignimbrite, strongly welded 20b Ash-flow tuff, unwelded and welded 20a Flow banded rhyolite	Joint	.....
SILURIAN	19 Natline Cove Formation: Limy siltstone and sandstone 19a Coarse sandstone and pebble conglomerate 19b Lighthouse Member, white sandstone 19c Limestone	Structural trends (from aerial photographs)	.....
SILURIAN OR OLDER	18 Sunn's Ridge Formation: Brown weathering slate and argillite characterized by brown, siliceous, spars; 18a, limestone; 18b, calcareous rich tuff	Minor fold axes (first, second, third phase)	.....
MIDDLE ORDOVICIAN TO CAMBRIAN	17 Frenchman's Cove Formation: Bedded, polymictic conglomerate and sandstone	Syncline (defined, approximate, assumed)	.....
MIDDLE ORDOVICIAN TO CAMBRIAN	16 Jackson's Arm Formation: Massive, polymictic boulder to cobble conglomerate; 16a, mafic volcanic flows	Anticline and syncline (overturned)	.....
MIDDLE ORDOVICIAN TO CAMBRIAN	15 Lower volcanic unit: Predominantly ash flow tuffs and rhyolite flows 15f Mafic volcanic flows 15e Dolomite and thin bedded limestone 15d Polymictic conglomerate and sandstone 15c Felsic volcanic breccia 15b Ash-flow tuff, welded and unwelded 15a Flow banded rhyolite	Fault zone	.....
MIDDLE ORDOVICIAN TO CAMBRIAN	14 Quartz-carbonate schist: Age and origin uncertain	Biotite isograd	.....
MIDDLE ORDOVICIAN TO CAMBRIAN	SOUTHERN WHITE BAY ALLOCHTHON (UNITS 9-13) EMPLACED IN TACONIC OROGENY	Drift covered area	.....
MIDDLE ORDOVICIAN TO CAMBRIAN	13 Coney Head Complex 13a Zone of mafic to intermediate dikes 13d Leucocratic, muscovite, granite sheets 13c Reddish, biotite, graphic microgranite 13b Medium to coarse grained biotite tonalite 13a Gabbro, quartz gabbro	Melange with exotic blocks	.....
MIDDLE ORDOVICIAN TO CAMBRIAN	12 Gabbro metabasite; 12a, talc-carbonate schist; 12b, trondhjemite	Breccia	.....
MIDDLE ORDOVICIAN TO CAMBRIAN	11 Murrays Cove Schist: Polydeformed greenschist, minor metabasite and red chert	Dike	.....
MIDDLE ORDOVICIAN TO CAMBRIAN	10 Maiden Point Formation equivalents: Fine to medium grained, dark green to gray graywacke, rare quartz pebble conglomerate	Glacial striae (direction of ice movement known, unknown)	.....
MIDDLE ORDOVICIAN TO CAMBRIAN	9 Second Pond Melange: 9a, Black graphitic slate; 9b, with calc-argillite beds; 9c, with serpentinite blocks and sivers	Fossil locality	.....
LOWER ORDOVICIAN AND/OR CAMBRIAN	CONTINENTAL SLOPE AND OCEANIC ROCKS	Mine abandoned	.....
LOWER ORDOVICIAN AND/OR CAMBRIAN	8 Undivided, recrystallized, limestone, dolostone and marble. May include 6, 7, and younger, unseparated, units	Mineral occurrence	.....
CAMBRIAN	7 Dark gray, recrystallized, bioturbated limestone, minor, black, cherty, dolostone, stromatolite mounds	Outcrop, area of outcrop (only shown in areas of poor exposure)	.....
CAMBRIAN	6 Thick bedded, recrystallized, white dolostone, dolomitic slate, minor interbedded dark gray limestone		
CAMBRIAN	5 Hawks Bay Formation equivalents: Quartz sandstone, sandy dolomite, oolitic limestone, calcareous slate		
CAMBRIAN	4 Forteau Formation equivalents: Graphitic slate and phyllite, calcareous schist and marble; minor psammitic schist; 4a, basal white marble member		
CAMBRIAN	3 Beaver Brook Formation: Arkose, sandstone, pebble conglomerate		
PRECAMBRIAN OR YOUNGER	2 Devils Room granite: Undeformed granite, age unknown 2d Medium grained biotite ± muscovite granite 2c Porphyritic biotite granite 2b Fine grained pink felsite 2a Megacrystic biotite granite		
PRECAMBRIAN	1 Long Range Complex: Undivided biotite and hornblende granit, augen granite gneiss, foliated granite, metabasite and amphibole; 1a, quartz-feldspathic and calc-silicate gneiss inclusions in 2b (age unknown); 1b, medium grained, massive granite (may be equivalent to 2)		



12H/15 (745)  
 Hughes-Owens  
 313 1102

REF. or DRAWING NO. 81-110  
 DETAILS Jackson's Arm South West

Hughes-Owens  
 313 1102