

geochronological results (Gower et al., 1991; Scott et al., 1993; Tucker and Gower, 1994; Wasteneys et al., 1997), Nd-Sm isotopic data (J.S. Daly, unpublished - see digital database), and K-Ar isotopic data (Wanless et al., 1965) are included. Paleomagnetic sites of G. Murthy et al. (unpublished - see digital database) are also shown. Localities designated as mineral occurrences are based partly on observations made during the 1987 and 2003 field seasons, but include earlier and later reported discoveries (see Mineral Occurrence Table; current to 2009).

Since the preliminary map was published, interpretation for the region has evolved, so there are many differences between the current and preliminary versions of this map. Unit modification is partly related to an integrated compilation approach applied to the whole of eastern Labrador, but border regions of the map have been revised as a result of data collected from adjacent map areas. Geological boundaries are poorly controlled, especially away from shorelines and roads, and have been extrapolated using structural observations, regional aeromagnetic data and topographic trends. Re-interpretation in some northeast segments was assisted by industry high-resolution aeromagnetic data. Pre-1994 data station sites have been digitized from where originally located on aerial photographs or (rarely) on topographic maps, so reliability of location is likely mostly dependent on initial plotting accuracy. Subsequent locations are based on GPS-supported readings.

As is characteristic of metamorphic and plutonic terranes, individual outcrops are typically very complex, and commonly embody several different rock types. Generally, the unit polygon depicted is based on what was judged to be the dominant rock type present, but this approach was not universally followed, due to the exigencies of specific situations, such as the need to emphasize minor rock types deemed to have high significance. All rock types recorded from any individual outcrop may be determined by consulting the 'Unit designator' string for that locality given in the digital database. The user is alerted to the fact that, in the digital database, no attempt has been made to reconcile rock names applied to field outcrops, versus those applied to stained slabs, or petrographic thin sections. Differences may be due to subsequent, more refined identifications, but other reasons may apply, such the sample (or thin section) not being representative of its source material. Unit designator and polygon labels applied are based on an awareness of such factors.

Labrador. Geological Survey, Mines Branch, Department of Natural Resources, Government of Newfoundland and Labrador, Map 2010-24, Open File LAB/1566.

Geological cartography by T. Paltanavage, Cartographic Unit, Geological Survey, Department of Natural Resources.

Digital NTS base maps (NTS 03D/04 and 05; 13A/01, 02, 07 and 08) used for this map are available from Surveys and Mapping Branch, Natural Resources Canada.

Magnetic declination at 52° 00' N, 57° 00' W at the start of 2010 was 21° 56' W.

Elevations are in metres above sea level for NTS sheets 13A/02, 07 and 08, and in feet for NTS sheets 03D/04 and 05, and 13A/01. Contour interval 20 metres or 40 feet (03D/04 and 05) or 50 feet (13A/01).

UTM (Universal Transverse Mercator) Grid Zone 21, NAD (North American Datum) 27.

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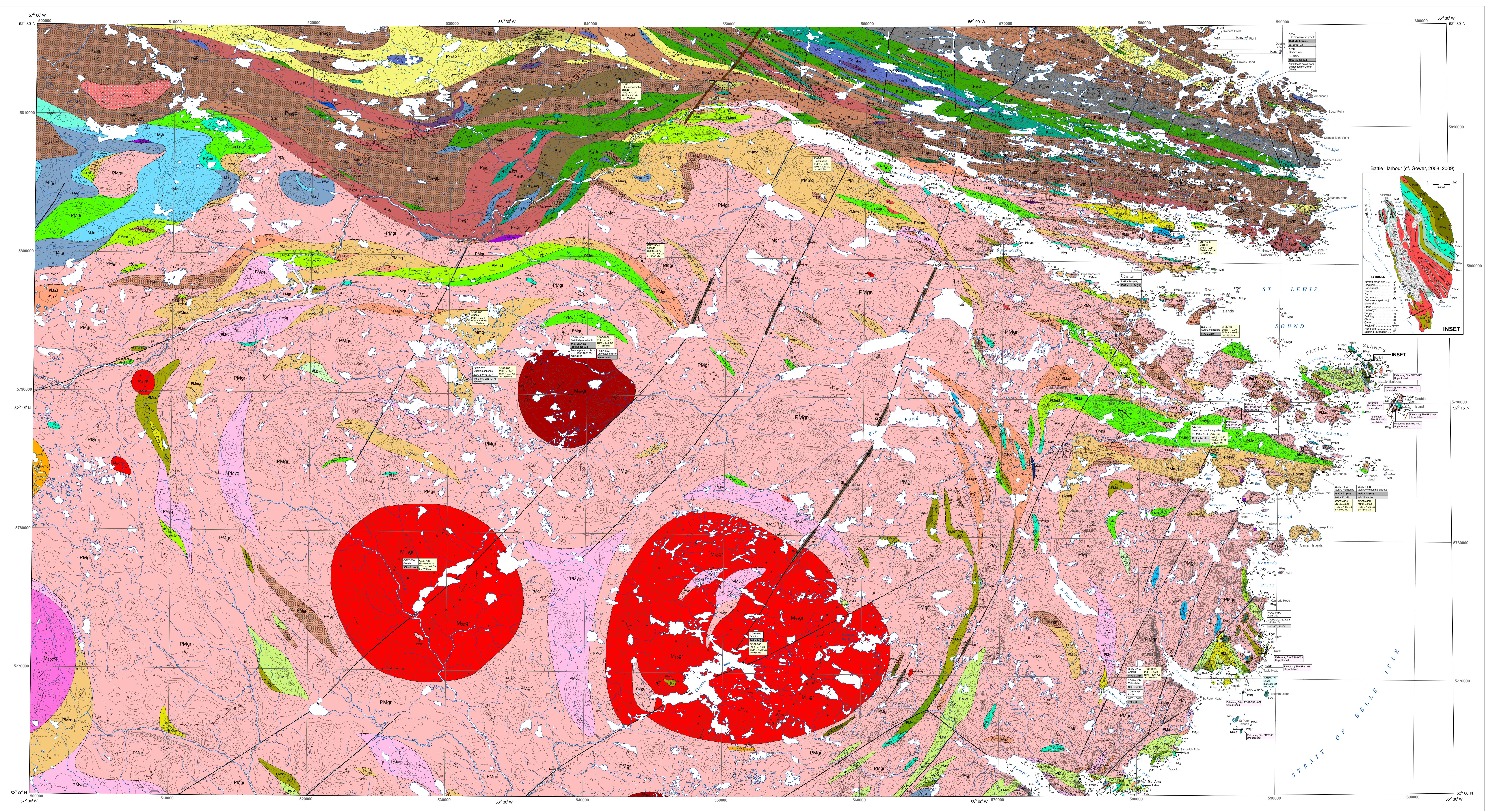
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MINERAL OCCURRENCE DATA SOURCES					
Map label	Status	Easting	Northing	Reference	
z	Indication	579181	5762864	Butt (1993)	
	Indication	589298	5772082	GSNL (field notes; VO92-023)	
	Indication	586159	5772891	GSNL (field notes; VN87-305); Meyer and Dean (1988, p. 253)	
	Indication	593170	5785930	Andrews (1995a, b); Beesley (1996)	
	Indication	592590	5785010	Andrews (1995a, b); Beesley (1996)	
	Producer	591761	5786542	Piloski (1955, Area E, p. v)	
Amz	Indication	580110	5761847	Douglas (1953; p. 9, Fig. 2); Butt (1993); GSNL (field notes; CG87-421)	
	Indication	575953	5762428	GSNL (field notes; CG87-400)	
	Indication	587522	5782825	GSNL (field notes; JS87-586)	
	Indication	588903	5772992	GSNL (field notes; VN87-347)	
	Indication	578880	5789112	GSNL (field notes; VN87-111); Andrews (1995c)	
z	Indication	596031	5792779	GSNL (field notes; CG08-005)	
	Indication	595444	5793694	GSNL (field notes; CG08-026)	
z	Indication	592128	5807863	GSNL (field notes; CG87-336)	
	Indication	569556	5810721	Jolliffe (1997; Grid A3)	
Fl, Amz, Pyr, Zr ?)	Indication	582004	5805888	GSNL (field notes; CG03-288)	
	Indication	588300	5791350	Christie (1951, p.18)	
	Indication	596418	5792796	GSNL (field notes; CG87-487; CG07-144)	
	Indication	568601	5807670	GSNL (field notes; CG03-258)	
	Indication	582775	5805777	GSNL (field notes; CG03-290)	
	Indication	587203	5804116	GSNL (field notes; CG03-302)	
	Indication	570053	5807554	GSNL (field notes; CG03-262)	
	Indication	594607	5789811	GSNL (field notes; JS87-556)	
	Indication	578966	5791741	GSNL (field notes; VN87-117); Andrews (1995d)	
	Indication	590578	5806798	GSNL (field notes; VN87-381)	
	Indication	591203	5800882	GSNL (field notes; VN87-455)	
	Indication	589400	5801289	GSNL (field notes; VN87-459)	
	Indication	582963	5789477	Andrews (1995e)	
Amz	Indication	582509	5805762	GSNL (field notes; CG03-289)	
	Indication	586472	5804627	GSNL (field notes; CG03-299)	
	Indication	591849	5801223	Meyer and Dean (1988, p. 254 and Fig .4); Hodge (1996)	
	Showing	561220	5788530	Meyer and Dean (1986, p.4)	
	Showing	560390	5785920	Meyer and Dean (1986, p.4)	
	Showing	558780	5783720	Meyer and Dean (1986, p.4); Mercer et al. (1997); Morrissey (1999)	
h	Indication	556500	5780300	Meyer and Dean (1986, p.4)	
	Showing	555300	5778780	Meyer and Dean (1986, p.4)	
	Prospect	558172	5813098	GSNL (field notes; CG87-055); Andrews and Beecham (1997)	
h?	Indication	552375	5816098	Beesley (1997, p.6, Fig. 3)	
	Indication	534256	5806056	Eveleigh (1996, 1997)	
	Indication	562200	5813673	Jolliffe (1997; Grid A1)	
Amz, Mo	Indication	561450	5806632	GSNL (field notes; CG03-180)	
	Indication	547732	5795635	Eade (1962, map)	
	Indication	548140	5796705	Eade (1962, map)	
	Indication	548805	5798182	Eade (1962, map)	
	Indication	554810	5798522	Eade (1962, map)	
	Indication	553820	5796639	Eade (1962, map)	
	Indication	552927	5794611	Eade (1962, map)	

GEOLOGICAL DATA SOURCES				
	Stations	Year(s) data collected	Project name	Mapping references
ist)	1022	1987, -93; 2003, -07, -08	St. Lewis River & other visits	Gower et al. (1988a, b), Gower (2008, 2009); additional data
st)	594	1987	St. Lewis River	Gower et al. (1988a, b)
geologist)	517	1987	St. Lewis River	Gower et al. (1988a, b)
ogist)	147	1987	St. Lewis River	Gower et al. (1988a, b)
ologist)	56	1987	St. Lewis River	Gower et al. (1988a, b)
st)	43	1989	Gilbert River	Hanmer and Scott (1990)
ogist)	22	1961	Battle Harbour - Cartwright	Eade (1962)
ogist)	15	1961	Battle Harbour - Cartwright	Eade (1962)
st)	9	1961	Battle Harbour - Cartwright	Eade (1962)
ist)	1022	1987, -93; 2003, -07, -08	Unpublished data	Additional data

MINERAL OCCURRENCE ABBREVIATIONS		SYMBOL
Amz	Amazonite	
Au	Gold	
Bt	Biotite	
Cly	Clay	
Cr	Chromium	
Cu	Copper	
Fe	Iron	
Fel	Feldspar	
Fl	Fluorite	
Gnt	Garnet	
		<i>Geological contact .....</i>
		<i>Normal fault .....</i>
		<i>Strike-slip fault .....</i>
		<i>Thrust fault .....</i>
		<i>Normal fault reactivating thrust .....</i>

A musical staff consisting of five horizontal lines. The first line from the bottom has a dotted vertical line on its left. The second line from the bottom has a dashed vertical line on its left. The third line from the bottom has a wavy vertical line on its left. The fourth line from the bottom has a vertical line with four upward-pointing triangles on its left. The fifth line from the bottom has a vertical line with three downward-pointing triangles on its left.

Geologist	21571	Strait of Belle Isle region	Boschek (1983)
	21992	Kyfanan Lake	Gower et al. (1988a, b)
<b>ISOTOPIC DATA</b>			
<b>U/Pb Geochronology</b>	<b>Nd/Sm Geochronology</b>	<b>Rb/Sr Geochronology</b>	<b>K/Ar Geochronology</b>
<p>Mineral abbreviations:</p> <ul style="list-style-type: none"> <li>a - allanite</li> <li>b - baddeleyite</li> <li>m - monazite</li> <li>r - rutile</li> <li>t - titanite</li> <li>x - xenotime</li> <li>z - zircon</li> </ul> <p><b>Concordia abbreviations:</b></p> <ul style="list-style-type: none"> <li>c - concordant</li> <li>nc - near-concordant</li> <li>i.i. - lower intercept</li> </ul>	<p>Sample number Rock type Epsilon value Depleted mantle age Age of rock</p> <p>(? age inferred)</p>	<p>Sample number Rock type Initial Sr ratio calculated from time t Age of rock</p> <p>(? age inferred) (* one of two or more analyses)</p>	<p>Sample number Rock type Age Mineral; Method</p> <p>(* average of two or more analyses)</p> <p>Biot - biotite Hbl - hornblende Musc - muscovite WR - whole rock plat - plateau age</p>

<b>Lst</b>	Limestone	
<b>Mgt</b>	Magnetite	<i>S-fold axis (1st generation)</i> .....
<b>Mo</b>	Molybdenite	<i>Z-fold axis (1st generation)</i> .....
<b>Ms</b>	Muscovite	
<b>Neph</b>	Nepheline	
<b>Ni</b>	Nickel	<i>Dyke (affinity unspecified)</i> .....
<b>Pb</b>	Lead	
<b>Pd</b>	Palladium	<i>Fault (sense of movement unknown, dextral)</i> .....
<b>Po</b>	Pyrrhotite	
<b>Pt</b>	Platinum	<i>Joint</i> .....
<b>Pyr</b>	Pyrite	
<b>Saph</b>	Sapphire	<i>Linear fabric (1st, 2nd, 3rd generation)*</i> .....
<b>Si</b>	Silica	
<b>Stn</b>	Dimension stone	<i>Fold axis (1st, 2nd, 3rd generation)*</i> .....
<b>Th</b>	Thorium	
<b>Tourm</b>	Tourmaline	<i>Slickenside</i> .....
<b>Tpz</b>	Topaz	
<b>U</b>	Uranium	<i>Geological data station</i> .....
<b>V</b>	Vanadium	
<b>Zn</b>	Zinc	<i>Geological data station (no fabric measured)</i> .....
<b>Zr</b>	Zirconium	
<b>(?)</b>	Occurrence reported but validity suspect	<i>Bedding (tops known, unknown)</i> .....

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deformation; cataclastic rocks, pseudotacholite

**POORLY CONSTRAINED**

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ite, microgranite (felsite)  
carbonate vein

matite

artz vein