





















Int	egration	for lithologi	cal mappin	g		
AT.	Lithology	Phyllites	Sandstones	Conglomerates		
_	Magnetic Susceptibility	Moderate (0.001 SI)	Low (0.0001 SI)	High (0.005 SI)		
	Geochemistry <i>(U, Th, K)</i>	High U, Th, K	High Th, low U, K	Low U, Th, K		
				Phyllites Sandstones Conglomerates		
AT THE HAROUALL		nalies		LaurentianUniversity UniversitéLaurentienne HAROUAIL Sciedon de FARTHSCI		

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	Birimian				Tarkwaian		Eburnean Intrusions		Eoeburnean Intrusions		
Lithology	Micaschists	Volcanoclastic metasediments	Phyllites	Metabasalts Metaandesites	Metagabbros	Phyllites	Sandstones	Conglomerates	Dolerite (sills)	Granite Granodiorite	Granodiorite Tonalite
Mineralogy	qz, pl, chl, ms, bt, gph, gt	qz, pl, chl, bt	chl, ms, bt, gph, qz, ep	chl, bt, pl, qz, ser, ank, dol, cal	cpx, hbl, pl, chl, bt, qz	chl, ms, bt, gph, st, gt	qz, mgt, bt	qz, Birimian and Granitoid pebbles	cpx, hbl, pl, chl, bt, gt, cal	bt, ms, qz, pl, kfs	pl, qz, bt, chl, ep
Susceptibility range (10 ⁻³ SI)	0.24 - 0.32	0.24 - 0.56	0.06 - 0.60	0.09 - 4.22	0.35 - 24.70	0.08 - 0.16	0.08 - 0.32	0.13 - 13.10	No data	0.06 - 38.00	0.05 - 8.06
Sample	GH101B	GH504	GH515	GH503	GH129G	GH397	GH512	No Sample	GH395	GH237	GH507
U (ppm)	1.440	0.460	0.460	0.350	0.310	4.500	0.880	No data	0.740	0.650	0.110
Th (ppm)	5.100	1.650	1.030	1.220	0.750	9.290	3.580	No data	2.220	1.510	0.270
K ₂ 0 (%)	3.150	1.360	1.120	1.130	0.610	2.640	1.050	No data	0.140	2.120	0.170
Мар	8 km	R km	8 km	3 km	8 km	8 km	<u></u>	8 km	<u></u>	8 km	8 km
Airborne Magnetic Response	Moderate intensity domains Strong magnetic fabric (parallel to bt. alignment)	Moderate intensity layers	Low intensity domains, uniform	Moderate to high intensity layers	High intensity bodies	Moderate intensity layers	Low intensity layers	Moderate to high intensity layers	Moderate to low intensity layers	Moderate to high intensity bodies	Low intensity bodies Strong magnetic fabric (parallel to bt. alignment)
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Airborne Radiometric Response	Medium U High Th Medium K (dark green)	Low U Medium Th Low K (green)	Low U Low Th Medium to high K <i>(red-violet)</i>	Low U, Th, K Often covered by high U, Th regolith (blue-green)	Low U, Th, K Often covered by high U, Th regolith <i>(blue-green)</i>	High U High Th Medium K (white-yellow)	Medium U High Th Medium K (green - yellow)	Low U Low Th Medium K <i>(dark red)</i>	Medium U High Th Low K (<i>light green</i>)	Low U Low to medium Th Medium K <i>(dark red)</i>	Low U Low to medium Th Low K (dark red-green)



















































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