

Sample #	Lithology	Sample type	Easting	Northing	Description	%K	U (ppm)	Th (ppm)	
16201	biotite granite	grab	325246	5206922	Deep pink, cg with small pods of potassic pegmatite that grade into granite host. No fenite textures or minerals observed. Rock type is identical to 2642 Ma Cartier granite to the east.	5.2	4.6	21.8	outcrop
16202	carbonatitic breccia	chips across 20 cm from ijolite breccia matrix	324799	5206934	Small outcrop of excellent example of carbonatitic breccia and calciocarbonatite. Same exposure photographed in Sage (1988, p. 11). Rock is strongly magnetic and heterolithic with a high % of angular to subrounded clasts. These include large clasts of pink granite similar to the exposures of cg granite in the region but with virtually no quartz due to fenitization via carbonate-related fluids. Matrix of breccia is mafic, nepheline-bearing ijolite. Calciocarbonatite is light pink due to unknown mineral that protrudes on WS but this unit was not submitted for analysis.	2.4	7	65.9	outcrop
16203	carbonatitic breccia	spectral assay	324723	5207138	Nice clean, flat outcrop and best seen along entire shoreline. Breccia with 5-10% clasts of deformed fg black ijolite contained in the magmatic flowage foliation of dominant calciocarbonatite unit	2.3	19.6	37.4	outcrop over fg large granite clast in breccia unit
	calciocarbonatite	grab	324723	5207138	Calciocarbonate, cg, with flowage foliation and 15% light pink unknown mineral that protrudes on WS (weathered surface). Non magnetic	1.1	3.6	30.9	calciocarbonatite in outcrop, 1 m from sample site
	calciocarbonatite	spectral assay	324723	5207138	Foliated calciocarbonatite	0.3	8.7	15.8	outcrop
16204	ferrocarbonatite?	grab	324309	5207066	Small moss covered outcrop with deep red, hematite-rich ?ferrocarbonatite. Sample within the 90 by 90 m of hematite-rich carbonatite described by Sage (1982) and Parsons (1961)	1.5	4.2	10	hand specimen
16205	ferrocarbonatite?	grab	324328	5207080	Sparse exposure in old trenches excavated in soil. Rock sample was dug out of bottom of one of numerous trenches in area. Approx 1000 cps with spectrometer over trench bottom. Rock is aphanitic with intense red colouration and is quite heavy, non-magnetic with approx 80% hematite	1.8	1.5	35.3	hand specimen
16206	ferrocarbonatite?	grab sample collected from area of abundant angular pieces of identical rock at shoreline	324305	5207081	Massive, fg-cg, ferrocarbonatite with 60% hematite and non-magnetic. Thin calcite veinlets, 1-5 mm width crosscut the hematite alteration in at least two different orientations.	1.6	1.9	14.6	hand specimen
16207	ferrocarbonatite?	grab	324299	5207106	Massive, fg-cg, hematite-rich carbonatite with 5% unknown mineral that protrudes on WS	1.9	3.3	8.1	hand specimen

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16208	ferrocarbonatite?	grab	324240	5207145	Poorly exposed outcrop at shore. Ijolite invaded by hematite-rich carbonatite. Massive, fg-cg and non magnetic.	2	3	16.5	hand specimen
16209	calciocarbonatite	grab	323965	5207040	Ijolite invaded by hematite-bearing carbonatite veins. Carbonatite unit is fg, massive and light pink to light orange on WS	1.3	1.4	11.2	hand specimen
16211	ferrocarbonatite?	grab	323862	5206520	Small outcrop exposed near shoreline but obscured by vegetation. Red angular rubble of same rock occurs at the shore. Massive, quite heavy possible ferrocarbonatite that is hematite-rich and non-magnetic. Rock contains 1-2% of an unknown blue mineral	1.5	3.3	10.1	hand specimen
16212	Granite	grab	323609	5206854	Massive, cg, deep red granite just outside of Seabrook Lake carbonatite. A flow-foliated carbonatite dyke crosscuts the granite. Granite sample was taken 10 cm from dyke may be mildly fenitized as 20% quartz present whereas granite further from body contains 30-35% quartz	2	2	10.9	hand specimen
16213	ferrocarbonatite?	grab	325147	5208013	3-5 m wide zoned carbonatite dyke in granite 1 km northeast of Seabrook Lake body. Specimen is heavy, massive, cg, possible ferrocarbonatite. Non-magnetic and has distinctive texture due to a box-work of randomly oriented calcite blades up to 5 cm in length. This dyke could represent a cone sheet that typically envelop carbonatite intrusive complexes.	1.4	10	13.8	hand specimen
16214	ferrocarbonatite?	grab	325147	5208013	1m wide zone adjacent to sample taken at locality 16213. Massive, cg, heavy, crumbly weathered, non magnetic ferrocarbonatite with approx 60% orange-brown mafic minerals and remainder comprises white calcite, magnetite, and green pyroxene.	1.5	7.1	18.9	hand specimen
16215	Ijolite	grab	324831	5206808	Small outcrop near shoreline. Dark weathered, massive mafic rock, fg-cg with calcite, biotite and possible nepheline. Modest radioactivity and near RA occurrence on map of Sage (1988) but little radioactivity was detected with the spectrometer.	5.1	15	63.1	outcrop
16216	calciocarbonatite	grab	324831	5206808	Calciocarbonate, mg-cg, in sharp intrusive contact with older ijolite unit. Non-magnetic and modest radioactivity	1.5	8.4	52.9	outcrop
16217	Potassic fenitized granite	grab	324800	5206709	Classic potassic fenite produced from metasomatism of enclosing granite. The granite is deep red, massive, cg with only a trace of quartz and intensely fractured. The fractures contain coatings of an unknown blue mineral that could consist of riebeckite.	6.6	4.3	26.1	outcrop taken 5 m from carbonatite dyke

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16218	Carbonatite	grab	324800	5206709	20 cm wide carbonatite dyke that crosscuts the fenitized granite of sample 16217. Massive, fg, chocolate-brown on fr+F24esh surface. Local patches of limonite and <5% phenocrysts of blue-green pyroxene occur in the matrix.	2	0.3	16.2	hand specimen
16219	Potassic fenitized granite	grab	325109	5207230	Small island immediately north of Seabrook Lake body. Main rock type is mg-cg massive but highly fractured deep pink granite. Narrows dykes of carbonatite (5 cm) and possible lamprophyre (20-50 cm) and thin, fg, hematite-rich veins crosscut the granite. Adjacent to the carbonatite dykes, the granite was transformed into a brick red potassic fenite with 5% unknown green mineral (?aegerine) and no visible quartz. Late fractures coated with a fg black mineral (?tourmaline) cut the hematite-rich veins.	3.8	29.7	132.2	outcrop and on fenitized granite immediately adjacent to thin carbonatite vein
	Granite with apparent absence of fenitization	spectral assay	325109	5207230		3	7.9	24.4	outcrop on relatively unaltered granite about 2 m from carbonatite vein
	Granite approx 1 m from possible lamprophyre dyke	spectral assay	325109	5207230		1.7	1.9	24.4	outcrop approx 1m from possible lamprophyre vein
16220	Split duplicate	Split duplicate of hematite-rich carbonatite sample 162205	324328	5207080					
16221	Lamprophyre?	grab	325106	5207232	Black fg mafic rock and with pitted weathered surface.	2.2	1.5	11	hand specimen
16222	Carbonatite	grab	325106	5207232	Carbonatite vein up to 5 cm thickness and magmatic flow foliated.	2.4	5.9	56.3	outcrop