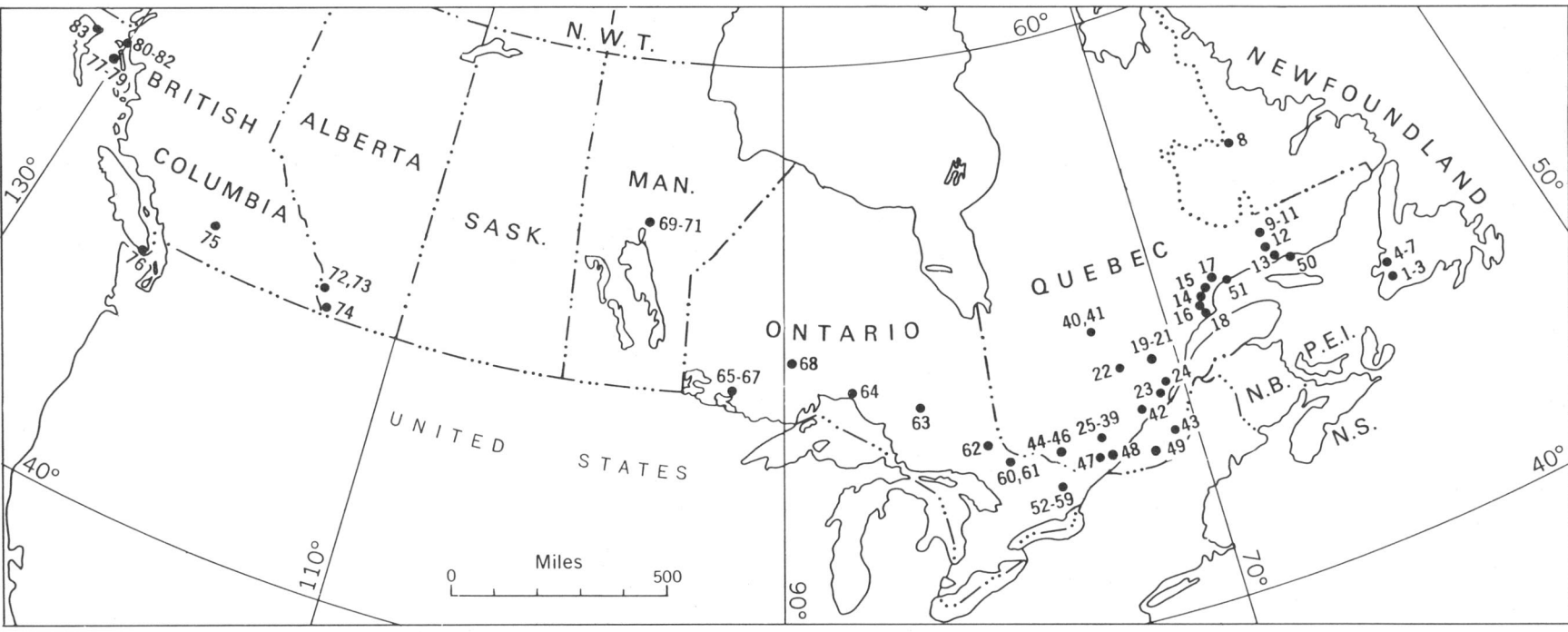




GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES



Map showing location of titaniferous magnetite samples in table below.

PROVINCE, AREA AND NAME	Iron % Fe	Titanium %Ti	Vanadium %V	Chromium %Cr	Manganese %Mn	Cobalt %Co	Nickel %Ni	Total Ferrides%	Type of Sample	Latitude Longitude	Type of Deposit	Host Rock	Age	Size				
NEWFOUNDLAND	*1 Bishop North		o	52.6	7.4	0.47	0.11	0.14	0.02	0.03	60.2	Selected	48° N 58.5° W	Vein-dyke	Anorthosite	Precambrian	Medium	
	2 Bishop South		c	64.5	4.8	0.41					71.6	Selected	48° N 58.5° W	Vein-dyke	Anorthosite	Precambrian	Medium	
	3 Hayes		c	53.5	5.7	0.50					59.7	Selected	48° N 58.5° W	Vein-dyke	Anorthosite	Precambrian	Small	
	4 Indian Head		c	67.5	2.4	0.5					73.5	Selected	48° N 58.5° W	Vein-dyke	Anorthosite	Precambrian	Small	
	5 Upper Drill Brook		c	54.0	9.0	0.43	0.16	0.04	0.01	0.04	64.1	Drill core	48° N 58.5° W	Disseminations and segregations	Gabbroic gneiss	Precambrian	Small	
	6 Lower Drill Brook		c	70.5	1.4	0.43	0.16	0.04	0.01	0.04	71.7	Drill core	48° N 58.5° W	Disseminations and segregations	Gabbroic gneiss	Precambrian	Small	
	7 Labrador Pond		c	63	69.3	0.73	1.1	0.003	0.14	0.01	0.01	64.1	Drill core	48° N 58.5° W	Disseminations and segregations	Gabbroic gneiss	Precambrian	Medium
	8 Lake Michikamau (R. F. Emslie)		c	64.4	2.99	0.23					67.6	Drill core	48° N 58.5° W	Disseminations and segregations	Gabbroic gneiss	Precambrian	Medium	
QUEBEC	9 Magpie Mountain No. 1		c	25.7	3.21	0.14					22.0	Drill core	48° N 58.5° W	Disseminations and segregations	Gabbroic gneiss	Precambrian	Medium	
	10 Magpie Mountain No. 2		c	58.3	9.0	1.1	1.0	0.3	0.01	0.01	69.7	Selected	52.4° N 63.9° W	Disseminations and segregations	Anorthosite	> 1300 M. Y.	Large	
	11 Magpie Mountain No. 3		c	43.7	6.0	0.1	0.9	0.2	0.18	0.001	0.05	60.2	Selected	51.3° N 64.02° W	Sill-dyke	Gabbroic anorthosite in granitic gneisses	> 900 M. Y.	Large
	12 Stratmat Average		c	43.7	6.3	0.1	1.5	0.5	0.18	0.001	0.03	51.5	Selected	51.2° N 64.02° W	Sill-dyke	Gabbroic anorthosite in granitic gneisses	> 900 M. Y.	Large
	13 Lac Allard (magnetite)		c	40.7	6.1	0.1	2.5	1.0	0.20	0.001	0.04	49.3	Selected	51.2° N 64.01° W	Disseminations and segregations	Gabbroic anorthosite	Precambrian	Large
	14 Romaine River		c	49.3	11.0	0.1	1.0	0.20	0.001	0.04	61.6	Composite (Stratmat)	51.2° N 64.02° W	Disseminations and segregations	Gabbroic anorthosite	Precambrian	Large	
	15 W. Riv. des Rapides		c	43.5	6.0	0.25	1.0	0.17	0.02	0.11	49.5	Composite (Stratmat)	51.2° N 64.02° W	Disseminations and segregations	Gabbroic anorthosite	Precambrian	Large	
	16 E. Riv. des Rapides		c	14.9	2.7		0.12	0.02	0.007		19.4	Chip	50.5° N 63.4° W	Disseminations	Gabbroic anorthosite	> 1100 M. Y.	Large	
	17 Hall River (Mines Branch)		c	19.2	4.9		0.04	0.17			24.1	Composite	50° N 63° W	Disseminations	Gabbroic anorthosite	Precambrian	Large	
	18 Lac Rapide		c	69.5	0.5	0.27	0.04	0.17			70.5	Composite	50° N 63° W	Disseminations	Gabbroic anorthosite	Precambrian	Large	
	19 St. Charles (Mines Branch)		c	22.5	5.2		0.30	0.37	0.011		28.2	Chip	50.3° N 66.3° W	Disseminations	Gabbroic anorthosite	Precambrian	Large	
	20 St. Charles (Dulieux)		c	31.1	3.5	0.16	0.002	0.56	0.42	0.01	37.5	Chip	50.3° N 66.4° W	Disseminations	Gabbroic anorthosite	Precambrian	Large	
21 Moquin		c	54.6	9.0	0.16	0.002	0.56	0.42	0.01	66.1	Chip	50.3° N 66.4° W	Disseminations	Gabbroic anorthosite	Precambrian	Large		
22 Roberval (Janet and Elver)		c	32.9	10.7	0.06	0.007	0.36	0.015		45.5	Chip	50.3° N 66.5° W	Disseminations and segregations	Gabbroic anorthosite	Precambrian	Medium		
23 W. Gabbroic phase		c	59.5	11.0	0.37	0.016	0.36	0.015		71.9	Chip	50.4° N 66.2° W	Disseminations and segregations	Gabbroic anorthosite	Precambrian	Small		
24 E. Gabbroic phase		c	42.2	8.5	0.48	0.021	0.27	0.28	0.027	0.009	51.0	Chip	50.4° N 66.2° W	Disseminations and segregations	Gabbroic anorthosite	Precambrian	Small	
25 Ste. Marguerite		c	61.5	8.6		0.021	0.28	0.027	0.009	72.0	Chip	50.2° N 66.6° W	Disseminations and segregations	Gabbroic anorthosite	Precambrian	Small		
26 Lac Brûlé		c	11.5	1.7	0.32	0.092	0.19	0.42	0.011	13.6	Chip	50.2° N 66.6° W	Disseminations and segregations	Gabbroic anorthosite	Precambrian	Small		
27 N. Lac Laurin		c	60.0	7.2	0.32	0.092	0.19	0.42	0.011	71.5	Chip	50.2° N 66.6° W	Disseminations and segregations	Gabbroic anorthosite	Precambrian	Small		
28 S. Lac Laurin		c	38.7	8.96	0.03	0.007	0.28	0.014	0.011	50.8	Chip	48.5° N 71.5° W	Segregations	Gabbroic anorthosite	> 860 M. Y.	Medium		
29 Degrosbois		c	60.8	9.8	0.30	0.026	0.28	0.014	0.011	71.1	Chip	48.5° N 71.5° W	Segregations	Gabbroic anorthosite	> 860 M. Y.	Medium		
30 Val David		c	50.5	10.5		0.03				61.4	Grab (Dulieux)	48.5° N 71.5° W	Segregations	Gabbroic anorthosite	Precambrian	Medium		
31 Lac Pin Rouge (ilmenite-bearing)		c	56.2	8.3		0.03				64.5	Grab (Dulieux)	48.5° N 71.5° W	Segregations	Gabbroic anorthosite	Precambrian	Medium		
32 S. Lac Pin Rouge		c	24.2	5.9	0.40	0.09	0.19	0.08	0.019	30.3	Selected	48.5° N 71.6° W	Disseminations and segregations	Gabbroic anorthosite	Precambrian	Small		
33 N. Lac Pin Rouge		c	60.1	2.8		0.09	0.08	0.019	0.036	66.8	Selected	48.5° N 71.6° W	Disseminations and segregations	Gabbroic anorthosite	Precambrian	Small		
34 Lac Moulin No. 1		c	22.5	6.4	0.5	0.09	0.08	0.019	0.036	28.9	Composite drill core	48.5° N 72.6° W	Disseminations and segregations	Gabbroic anorthosite	Precambrian	Large		
35 Lac Moulin No. 2		c	69.7	0.5		0.09	0.08	0.019	0.036	70.2	Composite drill core	48.5° N 72.6° W	Disseminations and segregations	Gabbroic anorthosite	Precambrian	Large		
36 Lac Moulin No. 3		c	12.4	3.9	0.37	0.05	0.07	0.013	0.023	16.9	Chip	47.6° N 70.6° W	Disseminations and segregations	Gabbroic anorthosite	Precambrian	Medium		
37 Lac de la Roche No. 1		c	64.7	2.2		0.05	0.07	0.013	0.023	69.0	Chip	47.6° N 70.6° W	Disseminations and segregations	Gabbroic anorthosite	Precambrian	Medium		
38 Lac de la Roche No. 2		c	7.5	1.2	0.18	0.006	0.10	0.006		9.2	Chip	47.5° N 70.4° W	Disseminations and segregations	Gabbroic anorthosite	Precambrian	Medium		
39 Lac Adair		c	66.3	1.8		0.006	0.10	0.006		71.1	Chip	47.5° N 70.4° W	Disseminations and segregations	Gabbroic anorthosite	Precambrian	Medium		
40 Rinfrêt No. 1 (G. Allard)		c	23.3	3.1	0.24	0.037	0.37	0.069	0.008	29.9	Selected	45.9° N 74.1° W	Disseminations	Gabbroic anorthosite	Precambrian	Medium		
41 Rinfrêt No. 2 (G. Allard)		c	61.9	1.9	0.24	0.005	0.69	0.008		64.7	Selected	45.9° N 74.1° W	Disseminations	Gabbroic anorthosite	Precambrian	Medium		
42 Groudin (Dulieux)		c	15.7	2.2	0.24	0.012	0.21	0.022	0.010	17.9	Selected	46.1° N 74.3° W	Disseminations	Gabbroic anorthosite	Precambrian	Small		
43 Bloc range (Dulieux)		c	60.5	0.5	0.24	0.012	0.21	0.022	0.010	61.3	Selected	46.1° N 74.3° W	Disseminations	Gabbroic anorthosite	Precambrian	Small		
44 Vinton		c	11.1	1.7	0.24	0.008	0.18	0.035	0.007	12.8	Selected	46.2° N 74.5° W	Disseminations	Gabbroic anorthosite	Precambrian	Medium		
45 Fort Coulonge		c	64.9	1.2	0.24	0.008	0.18	0.035	0.007	66.4	Selected	46.2° N 74.5° W	Disseminations	Gabbroic anorthosite	Precambrian	Medium		
46 Waltham		c	11.1	1.8	0.15	0.011	0.17	0.034		12.9	Selected	46.1° N 74.5° W	Disseminations	Gabbroic anorthosite	Precambrian	Medium		
47 St. Jerome		c	61.5	0.63	0.15	0.011	0.17	0.034		62.3	Selected	46.1° N 74.5° W	Disseminations	Gabbroic anorthosite	Precambrian	Medium		
48 Oka		c	41.4	6.1	0.29	0.057	0.20	0.10	0.013	49.2	Selected	46.2° N 74.4° W	Disseminations and breccia	Gabbroic anorthosite	Precambrian	Small		
49 Yamasko		c	62.9	1.9	0.29	0.057	0.20	0.10	0.013	65.3	Selected	46.2° N 74.4° W	Disseminations and breccia	Gabbroic anorthosite	Precambrian	Small		
50 Natashkwan (Mines Branch)		c	15.1	2.2	0.17	0.01	0.23	0.07	0.010	17.3	Selected	46.1° N 74.2° W	Disseminations	Gabbroic anorthosite	Precambrian	Small		
51 Moisie		c	61.8	1.2	0.17	0.01	0.23	0.07	0.010	63.3	Selected	46.1° N 74.2° W	Disseminations	Gabbroic anorthosite	Precambrian	Small		
52 North Crosby		c	23.9	10.2	0.01	0.01	0.15	0.015	0.008	34.1	Selected	45.8° N 74.02° W	Disseminations ilmenite	Gabbroic anorthosite	Precambrian	Large		
53 North Crosby		c	44.1	18.7	0.23	0.08	0.15	0.015	0.008	63.3	Selected	45.8° N 74.02° W	Disseminations ilmenite	Gabbroic anorthosite	Precambrian	Large		
54 Matthews		c	20.4	4.0	0.01	0.24	0.24	0.059	0.008	24.6	Chip	45.8° N 74.03° W	Disseminations magnetite	Gabbroic anorthosite	Precambrian	Large		
55 Chaffey		c	63.5	1.6	0.25	0.015	0.059	0.008		65.4	Chip	45.8° N 74.03° W	Disseminations magnetite	Gabbroic anorthosite	Precambrian	Large		
56 Eagle Lake		c	21.3	4.0	0.23	0.009	0.097	0.006		26.7	Chip	45.9° N 74.04° W	Disseminations magnetite	Gabbroic anorthosite	Precambrian	Large		
57 Orton		c	64.1	2.7	0.23	0.009	0.097	0.006		67.1	Chip	45.9° N 74.04° W	Disseminations magnetite	Gabbroic anorthosite	Precambrian	Large		
58 Blithfield		c	18.7	3.4	0.01	0.24	0.24	0.064	0.008	22.1	Chip	46.0° N 74.05° W	Disseminations magnetite	Gabbroic anorthosite	Precambrian	Large		
59 Pine Lake (Pusey)		c	64.5	0.9	0.22	0.022	0.064	0.008		65.7	Chip	46.0° N 74.05° W	Disseminations magnetite	Gabbroic anorthosite	Precambrian	Large		
60 Mattawa No. 1 (Papineau tp.)		c	24.0	5.5	0.01	0.001	0.01	0.001	0.001	29.5	Chip	46.0° N 74.05° W	Disseminations magnetite	Gabbroic anorthosite	Precambrian	Large		
61 Mattawa No. 2 (Papineau tp.)		c	69.5	0.25	0.16	0.001	0.01	0.007	0.001	70.0	Chip	46.0° N 74.05° W	Disseminations magnetite	Gabbroic anorthosite	Precambrian	Large		
62 Angus tp.		c	17.7	4.1	0.23	0.033	0.16	0.041	0.008	21.9	Composite	46.0° N 74.05° W	Disseminations magnetite	Gabbroic anorthosite	Precambrian	Large		
63 Nemegos		c	63.5	0.8	0.23	0.033	0.16	0.041	0.008	64.7	Composite	46.0° N 74.05° W	Disseminations magnetite	Gabbroic anorthosite	Precambrian	Large		
64 Pic Vermilion		c	19.7	3.4	0.01	0.24	0.24	0.087	0.008	23.1	Chip	45.9° N 74.03° W	Disseminations magnetite	Gabbroic anorthosite	Precambrian	Medium		
65 Bad Vermilion L. No. 1		c	63.5	1.8	0.23	0.009	0.087	0.008		65.6	Chip	45.9° N 74.03° W	Disseminations magnetite	Gabbroic anorthosite	Precambrian	Medium		
66 Bad Vermilion L. No. 2		c	19.3	3.2	0.01	0.21	0.21	0.085	0.008	23.7	Chip	45.9° N 74.05° W	Disseminations magnetite	Gabbroic anorthosite	Precambrian	Medium		
67 Seine Bay (Mines Branch)		c	62.6	2.0	0.23	0.017	0.085	0.008		64.9	Chip	45.9° N 74.05° W	Disseminations magnetite	Gabbroic anorthosite	Precambrian	Medium		
68 Puddy Lake (Simpson and Chamberlain)		c	23.9	5.2	0.01	0.16	0.16	0.052	0.004	29.3	Chip	45.8° N 74° W	Disseminations magnetite	Gabbroic anorthosite	Precambrian	Medium		
69 Cross Lake (Pipestone) No. 1		c	64.3	1.8	0.28	0.052	0.04	0.007										