



GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

Concentrate No. (Mineral)	Host Rock Field No.	GSC Age Determination (No. *)	K/Ar Age of Mica m.y.	Rock Name and Description	Location			Geological Data		
					Prov.	Geographical Coordinates Latitude & Longitude	Other	Geological Map Sheet	Map Unit	Submitter
1 28 (Mu) (B)	1955-165a-RA	60-19 (Mu)	63 (Mu) 45 (B)	Muscovite-biotite quartz monzonite showing a primary flow foliation parallel with contact of Fry Creek Batholith	BC	50°05'N 116°51'W	3 mi up Fry Creek from footbridge	GSC 12-1957	28	J.E. Reesor
2 (Mu)	SH-44-59	60-50	2485	Massive quartz monzonite	Dist of Mack	62°01'20" 111°31'50"	S shore of Great Slave L, 6 mi SW of McDonald L	GSC 51-52A, Christie Bay 377A	11a "Granite"	C.H. Stockwell
3 (Ph)	56-RC-37 55-SR-87			Calcite-pyroxenite vein	Ont	44°55' 78°20'	Monmouth tp	ODM 1957b, Vol 66, pt 3	3	S.C. Robinson
4 (Ph)	56-RC-40			Mica-pyroxenite zone between marble zone and pegmatite dyke	Ont	45°08' 77°50'	Monteagle tp	ODM 1954-3, Monteagle-Carlow tp	3	S.C. Robinson
5 (Ph)	B-JR-1			Metamorphosed limestones and gneisses	Que	45°30' 75°48'	Old Chelsea, dump in apatite-mica mine	Adjacent map: Wakefield QDM 1954 PR-298, Map 1038		J. Rimsaite
6 (Ph)	55-SR-45			Pyroxenite with disseminated books of biotite	Ont	45°02' 78°09'	Cardiff tp	ODM 1957b, Vol 66, pt 3, 1957, Cardiff tp	3	S.C. Robinson
7c 7B1	56-RC-29	59-49	1060	Calcite-fluorite dykes	Ont	45°01' 78°12'	Cardiff tp	ODM 1957b, Vol 66, pt 3, 1957, Cardiff tp	3 in part	S.C. Robinson
8 (Ph)	WED-3-30-59	60-129	1500	Pyroxene-hornblende-biotite gneiss, ca 25 mi E of Labrador Trough	Que	54°45' 65°00'	Near E shore of Crossroads L	GSC 2-1960, Michikamau L-W 1/2	A Charnockite-Hypersthene Gneiss	H.R. Wynne-Edwards
9(Ph) 9(B)	SH-101-59	60-60	1720	Porphyritic pyroxene-biotite lamprophyre dyke cutting granite	Dist of Kee	63°27'20" 100°51'00"	Island in Outlet Bay, Dubawnt L	GSC 55-17. Dyke probably related to Dubawnt porphyries	9	C.H. Stockwell
10 (B)	56-RC-17			Schists and gneisses locally streaked by pegmatitic granite	Ont	45°01' 78°02'	Cardiff tp	ODM 1957b, Vol 66, pt 3, 1957, Cardiff tp	2	S.C. Robinson
11c 11B1	60-RC-2			Radioactive orebody. Biotite assoc. with pyroxene, apatite, allanite, uraninite, uranothorite	Ont	45°01' 77°53'	Faraday tp	ODM 1957b, Vol 66, pt 3, 1957, Faraday tp	8	S.C. Robinson
12 (B)	FB-3-59	60-135	965	Foliated hornblende-biotite gneiss, crossed by pegmatite	Que	51°14' 58°39'	St Augustin, E of Protestant Parish Hall			Y.O. Fortier C.S. Lord
13 (B)	56-RC-28	59-48	910	Coarse pegmatitic segregation in an underground skarn zone	Ont	45°03' 78°01'	Cardiff tp	ODM 1957b, Vol 66, 1957, Cardiff tp	7 in part	S.C. Robinson
14 (B)	W-58-RA-1A			Biotite-rich inclusion in hornblende-biotite granodiorite	BC		Dewar Creek map-area	GSC Mem 292, Map 1053A	10	J.E. Reesor
15 (B)	FB-28-59	60-100	2460	Lineated muscovite-biotite paragneiss	Ont	51°34'30" 87°59'	N of Fort Hope on W shore of Eabamet L	ODM 51B	1a	Y.O. Fortier
16 (B)	W-58-RA-14	60-7	79	Biotite granodiorite, White Creek Batholith	BC	49°48' 116°13'	1 mi S of Sawtooth Peak, elev 8000'	GSC Mem 292, Map 1053A	9	J.E. Reesor
17 (B)	W-58-RA-1			Hornblende-biotite granodiorite	BC		Dewar Creek map-area	GSC 1053A	10	J.E. Reesor
18 (B)	BL-9-157	60-128	1635	Quartz-feldspathic biotite gneiss ca 25 mi NE of Labrador Trough	Que	55°55' 66°03'	3 1/2 mi N of junction of Lac Chamdore outlet in Whale River	Topo Map No 23/0, Wakuach L area	Gneissic complex E of Labrador Trough	W.R.A. Baragar
19 (B)	KG-306-59	60-124	2530	Biotite granodiorite, ca 60 mi W of Labrador Trough	Que	60°22'N 72°27'W	40 mi SE of Klotz L	GSC 13-1960	1	R. Kretz
20 (B)	SH-40-59	60-54	1820	Foliated biotite paragneiss bordered by belts of mixed granite and gneiss	Dist of Mack	60°18'40" 110°02'00"	Island in Bedareh L	GSC 607A	1 Tazin Gp	C.H. Stockwell
21 (B)	5-RA-4	60-17	62	Hornblende-biotite porphyroblastic gneiss	BC	49°42' 117°36'	E of mouth of Bannock Burn	GSC 1090A, Passmore	Valhalla Gneiss	J.E. Reesor
22 (B)	W-58-RA-9	60-6	60	Porphyritic biotite quartz monzonite, N of contact with H-B granodiorite	BC	49°51' 116°14'	Cirque W of Skookumchuck Mts, elev 8000'	GSC 1053A	11	J.E. Reesor
23 (B)	W-58-RA-19	60-4	29	Porphyritic biotite quartz monzonite near contact with the H-B granodiorite	BC	49°50' 116°17'	6 mi N of S boundary of Dewar Creek map-area, elev 4500'	GSC 1053A	11	J.E. Reesor
24 (B)	KG-58-59	60-123	1655	Biotite-quartz-feldspar veined gneiss	Que	62°07' 75°39'	6 mi S of Sugluk, gneiss N of Cape Smith belt	GSC 13-1960	2	R. Kretz
25 (B)	W-58-RA-21	60-3	18	Medium-grained quartz monzonite	BC	49°53' 116°22'	Near S boundary of map-unit 14, elev 7500'	GSC 1053A	14	J.E. Reesor
26 (B)	LA-2-59R	60-117	126	Anorthositic gabbro from Mount Megantic Complex	Que	45°28' 71°12'	Basic intrusive rim surrounding Mount Megantic intrusion	QDM Ann Rp 1934, pt D, p 81, map 312	5	A. Larochelle
27 (B)	SH-52-59	60-43	1710	Biotite-cordierite schist from a zone of mixed granitic material of schist and gneiss close to a body of granite	Dist of Mack	64°46'25" 115°39'40"	Emile River	GSC 697A	C Metam equiv of Snare Gp	C.H. Stockwell
28 (B)	1955-165a-RA	60-18	45	Muscovite-biotite quartz monzonite (Muscovite conc 1)	BC	50°05' 116°51'	3 mi up Fry Creek from footbridge	GSC 12-1957	28	J.E. Reesor
29 (B)	SH-58-59	60-45	1850	Massive porphyroblastic quartz monzonite, intrudes Snare Gp	Dist of Mack	63°28'10" 116°32'02"	Island in Maryleer L	GSC 9-1956	6a	C.H. Stockwell
30 (B)	SH-90-59	60-56	1910	Gneissic biotite-hornblende monzonite cut across by few dykes of pegmatite	Dist of Mack	60°53' 107°40'	S shore of Spitfire L	GSC 55-10, Abitau L	2	C.H. Stockwell
31gr 31org	56-RC-41	59-54	925	Coarse-grained radioactive syenite pegmatite	Ont	45°10' 77°44'	Mentor property, Monteagle tp	ODM 1957b, Vol 65, pt 6, 1956, p 136	3 in part	S.C. Robinson
32 (B)	LA-1-59R	60-118	115	Granodiorite from the granitic stock that forms the core of Mt Megantic Complex	Que	45°26' 71°11'	Granitic core of Mt Megantic complex	QDM Am Rp 1934, pt D, p 81, map 312	4	A. Larochelle
33 (B)	SH-95-59	60-63	1800	Quartz monzonite from a stock-like body, older than unmetamorphosed Dubawnt Gp	Dist of Kee	60°45'30" 101°10'00"	N bay of unnamed lake 6 mi SE of Ennadai L	GSC 53-22	8	C.H. Stockwell
34 (Ph)	RG-59-1	60-114	890	Anorthosite-ilmenite contact. Reddish mica from the contact of ilmenite-hematite and anorthosite	Que	47°35' 70°33'	Bingell ilmenite deposit, St Urbain anorthosite	GSC Mem 152, map 1045A	Anorthosite Series	E.R. Rose
35 (Ph)	PH-277-57	61-148	1395	Biotite lamprophyre cutting Mississagi Formation of Huronian age	Ont	46°27'40" 82°21'00"	S shore, Rangers L, Bracemac drill hole, depth 3079-3096	ODM Map 2004	Lamprophyre dyke	S.M. Roscoe
36 (Ph) (B)	DA-260	61-98 (Ph) 61-99 (B)	1220 (Ph) 1665 (B)	Porphyritic basalt (sill or flow) possibly related to Dubawnt porphyries	Dist of Kee	64°38' 96°05'	Two islands in Whitehills L	GSC Paper 55-17	A	W.W. Heywood
37 (Ph)	SDC-1177	60-38	1155	Picrite phase of the Muskox Complex	Dist of Kee	66°48' 115°21'	E side of Muskox Complex	GSC Map 18-1960	19	C.H. Smith
38 (B1) (C)	60-RC-1			Radioactive orebody. Biotite assoc. with uraninite, uranothorite, zircon, allanite, sphene, apatite, pyroxene	Ont	45°01' 77°53'	Faraday tp	ODM 1957b, Vol 66, pt 3, Faraday tp (1957)	8	S.C. Robinson
39 (B)	W-58-RA-22A	60-5	56	Mafic inclusion in biotite granodiorite	BC	49°48' 116°16'	4 1/2 mi N of S boundary of Dewar Creek map-area, elev 4500'	GSC Map 1053A	9	J.E. Reesor
40 (B)	W-58-RA-22	61-9	73	Granodiorite with scattered phenocrysts of microcline	BC	49°48'33" 116°16'10"	Near S boundary of the batholith	GSC Map 1053A	9	J.E. Reesor
41 (B) (M)	W-58-RA-20	61-10 (B) 61-11 (M)	82 (B) 80 (M)	Leuco quartz monzonite	BC	49°51'10" 116°16'40"	Approx elev 5000'	GSC Map 1053A, Dewar Creek	12	J.E. Reesor
42 (B) (M)	MCB-60	61-63 (B) 61-62 (M)	1755 (B) 2415 (M)	Granodiorite that cuts the rocks of the Yellowknife Gp	Dist of Mack	63°46'30" 115°56'	Shore of central part of Kwejinne L	GSC Map 690A	B	J.C. McGlynn
43 (B) (M)	MC-A-4	61-60 (B) 61-61 (M)	1905 (B) 2155 (M)	Granodiorite, pegmatitic phase, slightly gneissic	Dist of Mack	63°55' 115°56'	Shore of central part of Basler L	GSC Map 690A	B	J.C. McGlynn

* Lowdon, J.A. (1960) Lowdon, J.A. (1961) Lowdon, J.A., et al (1963)

TABLE I. LOCATION AND GENERAL DESCRIPTION OF SAMPLES

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