



GEOLOGICAL SURVEY OF CANADA  
DEPARTMENT OF ENERGY, MINES AND RESOURCES

	SAMPLE	LOCALITY	FORMATION OR BED	HEAVY MINERALS PRESENT											
				NON-OPAQUE								OPAQUE			
				Zircon		Tourmaline		Rutile		Titanite		Magnetite and Titaniferous magnetite		Pyrite	
				>0.053mm	<0.053mm	>0.053mm	<0.053mm	>0.053mm	<0.053mm	>0.053mm	<0.053mm	>0.053mm	<0.053mm	>0.053mm	<0.053mm
1	1A—4-sec. 1	sec. 26, Tp. 28, Rge. 21W4 Horseshoe Canyon	Battle Equivalent	A	vA	R	P	None	vR	None	R	vA	vA	P	vR
2	1A—6-sec. 1	sec. 26, Tp. 28, Rge. 21W4 Horseshoe Canyon	Battle Equivalent	A	vA	None	P	None	vR	R	vR	vA	vA	P	R
3	1A—2-sec. 6	sec. 14, Tp. 33, Rge. 22W4 W side Red Deer River one mile below Tolman bridge	Battle Equivalent	A	vA	A	A	P	P	None	None	vA	vA	R	R
4	1A—3-sec. 6	sec. 14, Tp. 33, Rge. 22W4 W side Red Deer River one mile below Tolman bridge	Battle Equivalent	A	vA	R	P	R	vR	None	None	A	vA	P	P
5	1A—2-sec. 12	sec. 33, Tp. 26, Rge. 19W4 N slope of Wintering Hills	Battle Equivalent	P	A	P	P	None	R	vR	vR	vA	vA	vR	None
6	1A—3-sec. 14	sec. 6, Tp. 26, Rge. 21W4 N slope of W part of Wintering Hills	Battle Equivalent	P	vA	R	P	None	R	vR	vR	A	vA	R	R
7	1A—1-sec. 16	sec. 25, Tp. 22, Rge. 23W4 SW side of No. 1 Hwy. near Gleichen	Battle Equivalent	A	A	None	None	None	R	R	R	A	vA	P	R
8	1A—2-sec. 16	sec. 25, Tp. 22, Rge. 23W4 SW side of No. 1 Hwy. near Gleichen	Battle Equivalent	P	vA	None	P	None	R	None	R	vA	vA	P	P
9	1A—1-sec. 17	sec. 26, Tp. 23, Rge. 23W4 one mile W. of Hwy. No. 1	Battle Equivalent	P	vA	P	P	None	None	None	vR	vA	vA	P	P
10	1A—3-sec. 17	sec. 26, Tp. 23, Rge. 23W4 one mile W. of Hwy. No. 1	Battle Equivalent	A	vA	R	R	R	vR	None	vR	A	vA	R	vR
11	1A—6-sec. 17	sec. 26, Tp. 23, Rge. 23W4 one mile W. of Hwy. No. 1	Battle Equivalent	A	A	R	R	vR	R	None	None	vA	vA	A	P
12	1A—8-sec. 31	sec. 9, Tp. 8, Rge. 4W4 N slope of Eagle Butte	Battle Formation	A	vA	P	P	R	R	None	R	A	vA	None	R
13	1A—4-sec. 41	sec. 25, Tp. 10, Rge. 25W4 North bank of Oldman River	Battle Equivalent	P	vA	None	P	None	R	None	None	A	A	A	P

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vA - Very abundant      A - Abundant      P - Present      R - Rare      vR - Very rare

To accompany GSC Paper 67-63 by E. J. W. Irish and C. J. Havard

Figure 6. Table showing type and relative abundance of heavy minerals in the Battle Formation.

Figure 6