

APPENDIX 2

**Results of CAMECA SX100 analyses on oolitic limestones of the Lidzbark Formation
of the Bartoszyce IG 1 borehole**

Item	Sample	Spot no.	Mg	Sr	Mn	Fe	Al	Si	S	Component
1	BG-1_3	1	0.2580	0.0270	0.1500	0.0430	0.0000	0.0320	0.0330	blocky cement
2	BG-1_3	2	0.3310	0.0160	0.1870	0.0660	0.0020	0.0380	0.0160	blocky cement
3	BG-1_3	3	0.2070	0.0400	0.1250	0.0420	0.0010	0.0340	0.0230	blocky cement
4	BG-1_3	4	0.2140	0.0120	0.1480	0.0440	0.0020	0.0300	0.0230	blocky cement
5	BG-1_3	5	0.3690	0.0170	0.2030	0.0630	0.0000	0.0420	0.0110	blocky cement
6	BG-1_3	6	0.3590	0.0050	0.1740	0.0600	0.0000	0.0320	0.0080	blocky cement
7	BG-1_3	7	0.3610	0.0090	0.1860	0.0500	0.0000	0.0300	0.0190	blocky cement
8	BG-1_3	8	0.2280	0.0080	0.1490	0.0280	0.0000	0.0260	0.0090	blocky cement
9	BG-1_3	9	0.3710	0.0290	0.0630	0.1330	0.1050	0.2720	0.0470	oid cortex
10	BG-1_3	10	0.4170	0.0440	0.0750	0.1760	0.2170	0.6130	0.0620	oid cortex
11	BG-1_3	11	0.6370	0.0600	0.0730	0.2880	0.2010	0.4410	0.0500	oid cortex
12	BG-1_3	12	0.4210	0.0490	0.0830	0.1650	0.1050	0.2810	0.0590	oid cortex
13	BG-1_3	13	3.0630	0.0220	0.1040	0.3310	0.1680	0.4480	0.0530	oid cortex
14	BG-1_3	14	0.7880	0.0190	0.0580	1.1810	1.3670	4.1620	0.0640	oid core
15	BG-1_3	15	12.1330	0.0090	0.1380	0.5420	0.0110	0.0830	0.0350	dolomite
16	BG-1_3	16	10.1870	0.0610	0.1490	0.5750	0.0470	0.1120	0.0490	dolomite
17	BG-1_7-2	1	0.2530	0.0120	0.0960	0.1280	0.0000	0.0310	0.0080	blocky cement
18	BG-1_7-2	2	0.3020	0.0170	0.0760	0.1070	0.0010	0.0260	0.0200	blocky cement
19	BG-1_7-2	3	0.2830	0.0180	0.1420	0.0750	0.0020	0.0220	0.0090	blocky cement
20	BG-1_7-2	4	0.2680	0.0210	0.1560	0.0690	0.0030	0.0290	0.0180	blocky cement
21	BG-1_7-2	5	0.3170	0.0120	0.1940	0.0510	0.0000	0.0260	0.0080	blocky cement
22	BG-1_7-2	6	0.1610	0.0300	0.1300	0.0710	0.0010	0.0440	0.0180	blocky cement
23	BG-1_7-2	7	0.1980	0.0210	0.0910	0.0780	0.0030	0.0940	0.0100	acicular rim cement
24	BG-1_7-2	8	0.5510	0.0710	0.0450	0.1360	0.0030	0.0900	0.0440	acicular rim cement
25	BG-1_7-2	9	0.3100	0.0190	0.0930	0.1160	0.0000	0.1100	0.0180	acicular rim cement
26	BG-1_7-2	10	0.5990	0.0880	0.0270	0.1770	0.0020	0.0240	0.0580	acicular rim cement
27	BG-1_7-2	11	0.5290	0.0250	0.0630	0.2900	0.1780	0.5010	0.0810	oid cortex
28	BG-1_7-2	12	0.5080	0.0420	0.0480	0.1880	0.0440	0.2040	0.0840	oid cortex
29	BG-1_7-2	13	0.4570	0.0490	0.0690	0.2030	0.1530	0.3610	0.0600	oid cortex
30	BG-1_7-2	14	12.5670	0.0090	0.1250	0.7630	0.0180	0.0680	0.0240	dolomite
31	BG-1_7-3	1	0.2990	0.0250	0.1590	0.0710	0.0020	0.0460	0.0170	blocky cement
32	BG-1_7-3	2	0.2880	0.0250	0.1490	0.0670	0.0020	0.0240	0.0230	blocky cement
33	BG-1_7-3	3	0.1630	0.0340	0.0970	0.0450	0.0020	0.0280	0.0180	blocky cement
34	BG-1_8	1	0.2400	0.0180	0.1110	0.0600	0.0010	0.0350	0.0220	blocky cement
35	BG-1_8	2	0.2880	0.0200	0.1600	0.0530	0.0000	0.0290	0.0190	blocky cement
36	BG-1_8	3	0.0400	0.0080	0.0330	0.0140	0.0010	0.0240	0.0080	blocky cement
37	BG-1_8	4	0.2710	0.0340	0.1600	0.0670	0.0010	0.0260	0.0120	blocky cement
38	BG-1_8	5	0.3320	0.0110	0.1960	0.0560	0.0010	0.0310	0.0120	blocky cement
39	BG-1_8	6	0.3150	0.0280	0.1450	0.0830	0.0010	0.0280	0.0190	blocky cement
40	BG-1_8	7	0.2160	0.0060	0.1080	0.0630	0.0020	0.0290	0.0290	blocky cement
41	BG-1_8	8	0.3470	0.0200	0.1520	0.0790	0.0000	0.0300	0.0120	blocky cement
42	BG-1_8	9	0.3280	0.0210	0.1820	0.0750	0.0000	0.0300	0.0080	blocky cement
43	BG-1_8	10	0.2700	0.0060	0.1560	0.0510	0.0000	0.0390	0.0150	blocky cement
44	BG-1_8	11	12.6060	0.0130	0.0340	0.0290	0.0060	0.0400	0.0190	dolomite
45	BG-1_8	12	13.0360	0.0380	0.0260	0.0350	0.0050	0.0360	0.0370	dolomite
46	BG-1_8	13	0.5620	0.0590	0.0400	0.1790	0.1100	0.3900	0.0650	oid cortex
47	BG-1_8	14	0.5130	0.0640	0.0590	0.2250	0.1880	0.4130	0.0870	oid cortex
48	BG-1_8	15	0.5130	0.0590	0.0620	0.2220	0.1550	0.4070	0.0780	oid cortex
49	BG-1_8	16	0.6250	0.0650	0.0570	0.1520	0.0020	0.0340	0.0520	oid cortex
50	BG-1_14	1	0.3420	0.0150	0.1530	0.1170	0.0030	0.0270	0.0260	blocky cement
51	BG-1_14	2	0.3460	0.0410	0.1360	0.1050	0.0010	0.0240	0.0320	blocky cement
52	BG-1_14	3	0.3500	0.0170	0.1570	0.1130	0.0000	0.0250	0.0160	blocky cement
53	BG-1_14	4	0.3050	0.0280	0.1270	0.1240	0.0020	0.0260	0.0270	blocky cement
54	BG-1_14	5	0.3370	0.0010	0.1350	0.1100	0.0020	0.0260	0.0280	blocky cement
55	BG-1_14	6	0.2680	0.0190	0.1170	0.1070	0.0000	0.0320	0.0340	blocky cement
56	BG-1_14	7	0.3810	0.0240	0.1310	0.1240	0.0000	0.0280	0.0260	blocky cement
57	BG-1_14	8	0.4810	0.0110	0.1870	0.1670	0.0010	0.0230	0.0090	blocky cement
58	BG-1_14	9	0.2870	0.0040	0.1350	0.1020	0.0000	0.0270	0.0270	blocky cement
59	BG-1_14	10	0.2950	0.0220	0.1190	0.1100	0.0230	0.0750	0.0320	blocky cement
60	BG-1_14	11	0.2880	0.0000	0.1630	0.0910	0.0150	0.0750	0.0210	oid cortex
61	BG-1_14	12	0.5690	0.0520	0.0510	0.4190	0.1820	0.4680	0.0970	oid cortex
62	BG-1_14	13	0.5740	0.0330	0.0450	0.4140	0.3590	0.7410	0.0850	oid cortex
63	BG-1_14	14	0.5910	0.0400	0.0490	0.3360	0.0510	0.1390	0.0900	oid cortex
64	BG-1_14	15	0.5460	0.0600	0.0610	0.3240	0.1510	0.6330	0.0790	oid cortex
65	BG-1_14	16	10.9400	0.0320	0.1250	2.1340	1.0540	2.2120	0.0550	dolomite
66	BG-1_14	17	11.5520	0.0320	0.1500	1.9670	0.3770	0.7830	0.0650	dolomite
67	BG-1_14	18	6.5760	0.0310	0.1000	1.0160	0.0210	0.0770	0.0690	dolomite
68	BG-1_14	19	10.4060	0.0220	0.1000	1.7520	0.4530	0.9280	0.0640	dolomite
69	BG-1_14	20	11.0910	0.0160	0.1170	1.4270	0.3030	0.7220	0.0400	dolomite

All values are in wt.%; values in red mean measurements below detection limit of the method