

**Statement Showing Primary Analysis (for 9 radicals- Fe%, Mn%, SiO<sub>2</sub>%, Al<sub>2</sub>O<sub>3</sub>%, TiO<sub>2</sub>%, P<sub>2</sub>O<sub>5</sub>%, S%, Ga<sub>2</sub>O<sub>3</sub>, V<sub>2</sub>O<sub>5</sub>) of borehole core samples of Amoch-Chhapra (G-3) Block for Iron and Bauxite, Distt.- Jabalpur & Katni, Madhya Pradesh**

Sr No	BH No.	Primary Sample No.	From (m)	To (m)	Thick. (m)	Fe%	Mn%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	TiO <sub>2</sub> %	P <sub>2</sub> O <sub>5</sub> %	S%	Ga <sub>2</sub> O <sub>3</sub> %	V <sub>2</sub> O <sub>5</sub> %
1	MBAC-1	MBAC-1/1	0.00	1.00	1.00	10.25	0.07	50.49	21.54	2.35	0.11	0.013	0.004	0.051
2		MBAC-1/2	1.00	2.00	1.00	9.61	0.03	39.59	31.00	2.42	0.05	0.005	0.004	0.057
3		MBAC-1/3	2.00	3.00	1.00	2.26	0.01	43.24	36.65	2.93	0.03	0.004	0.006	0.027
4		MBAC-1/4	3.00	4.00	1.00	1.99	0.01	48.56	34.65	2.41	0.03	0.005	0.004	0.024
5		MBAC-1/5	4.00	5.00	1.00	2.52	0.01	63.94	24.82	1.24	0.05	0.007	0.003	0.016
6		MBAC-1/6	5.00	6.00	1.00	1.78	0.01	65.83	24.27	1.19	0.04	0.007	0.002	0.014
7		MBAC-1/7	6.00	7.00	1.00	1.78	0.01	61.04	28.63	1.42	0.06	0.009	0.003	0.014
8		MBAC-1/8	7.00	8.00	1.00	1.41	<0.01	74.14	18.71	0.79	0.07	0.005	0.002	0.011
9		MBAC-1/9	8.00	9.00	1.00	1.17	<0.01	74.48	18.93	0.76	0.06	0.007	0.002	0.012
10		MBAC-1/10	9.00	10.00	1.00	1.25	<0.01	72.41	20.74	0.82	0.07	0.005	0.002	0.011
11		MBAC-1/11	10.00	11.00	1.00	1.32	0.01	68.06	23.59	1.19	0.05	0.006	0.002	0.014
12		MBAC-1/12	11.00	12.00	1.00	0.93	0.01	76.91	16.97	0.79	0.05	0.006	0.001	0.009
13		MBAC-1/13	12.00	13.00	1.00	1.14	0.01	76.08	17.34	0.91	0.06	0.007	0.001	0.009
14		MBAC-1/14	13.00	14.00	1.00	0.88	0.01	80.33	14.18	0.55	0.10	0.007	0.001	0.007
15		MBAC-1/15	14.00	15.00	1.00	1.23	0.01	81.56	12.99	0.56	0.07	0.007	0.001	0.009
16		MBAC-1/16	15.00	16.60	1.60	4.16	0.03	80.07	8.31	0.27	0.07	0.007	<0.001	0.015
17	MBAC-2	MBAC-2/1	0.00	1.00	1.00	23.71	0.07	24.66	23.98	2.96	0.10	0.016	0.005	0.094
18		MBAC-2/2	1.00	2.00	1.00	16.96	0.06	24.83	23.20	2.18	0.08	0.009	0.004	0.083
19		MBAC-2/3	2.00	3.00	1.00	15.23	0.05	31.57	30.04	3.11	0.10	0.007	0.005	0.079
20		MBAC-2/4	3.00	4.00	1.00	18.74	0.07	29.04	28.03	3.33	0.11	0.009	0.005	0.093
21		MBAC-2/5	4.00	5.00	1.00	16.97	0.04	30.43	29.11	2.73	0.12	0.008	0.005	0.083
22		MBAC-2/6	5.00	6.00	1.00	14.28	0.02	32.65	30.98	2.12	0.11	0.008	0.005	0.075
23		MBAC-2/7	6.00	7.00	1.00	20.15	0.07	28.28	27.17	3.60	0.11	0.009	0.005	0.092
24		MBAC-2/8	7.00	8.00	1.00	18.70	0.05	26.96	26.35	3.09	0.13	0.009	0.004	0.087
25		MBAC-2/9	8.00	9.00	1.00	20.41	0.06	28.04	27.22	3.56	0.13	0.010	0.005	0.097
26		MBAC-2/10	9.00	10.00	1.00	20.78	0.06	27.62	26.59	4.10	0.13	0.010	0.006	0.097
27		MBAC-2/11	10.00	11.00	1.00	17.56	0.05	30.17	28.57	3.40	0.10	0.008	0.005	0.086
28		MBAC-2/12	11.00	12.00	1.00	19.13	0.06	29.41	27.98	3.19	0.09	0.010	0.005	0.094
29		MBAC-2/13	12.00	13.00	1.00	16.24	0.05	31.53	29.17	3.70	0.07	0.010	0.005	0.081
30		MBAC-2/14	13.00	14.00	1.00	19.20	0.06	28.97	27.89	3.95	0.07	0.013	0.006	0.094
31		MBAC-2/15	14.00	15.00	1.00	22.16	0.07	26.43	25.80	4.39	0.09	0.011	0.005	0.112
32		MBAC-2/16	15.00	16.00	1.00	18.90	0.07	28.99	27.55	4.33	0.07	0.010	0.006	0.102
33	MBAC-3	MBAC-2/17	16.00	17.00	1.00	11.78	0.04	36.36	32.97	4.74	0.08	0.006	0.008	0.096
34		MBAC-2/18	17.00	18.00	1.00	12.89	0.02	32.61	30.25	5.58	0.15	0.006	0.007	0.114
35		MBAC-2/19	18.00	19.00	1.00	18.68	0.02	34.80	25.73	1.99	0.12	0.006	0.004	0.086
36		MBAC-2/20	19.00	20.00	1.00	7.13	0.03	65.29	19.05	0.86	0.08	0.004	0.002	0.027
37		MBAC-3/1	0.00	1.00	1.00	7.77	0.08	54.42	19.10	1.59	0.08	0.010	0.004	0.034
38		MBAC-3/2	1.00	2.00	1.00	18.33	0.04	30.80	25.70	4.14	0.15	0.010	0.007	0.158
39		MBAC-3/3	2.00	3.00	1.00	23.23	0.03	25.74	24.14	4.49	0.16	0.013	0.007	0.191
40		MBAC-3/4	3.00	4.00	1.00	21.79	0.02	26.93	25.49	3.74	0.14	0.012	0.006	0.114
41		MBAC-3/5	4.00	5.00	1.00	29.21	0.02	23.12	21.28	2.71	0.18	0.011	0.006	0.113
42		MBAC-3/6	5.00	6.00	1.00	33.03	0.02	21.23	20.24	2.39	0.13	0.008	0.004	0.069
43		MBAC-3/7	6.00	7.00	1.00	18.57	0.01	30.69	28.57	2.20	0.09	0.007	0.004	0.056
44		MBAC-3/8	7.00	8.00	1.00	13.47	0.01	32.94	30.81	2.40	0.08	0.007	0.003	0.056
45		MBAC-3/9	8.00	9.00	1.00	13.16	0.02	32.31	30.53	3.43	0.07	0.007	0.006	0.073
46		MBAC-3/10	9.00	10.00	1.00	14.86	0.02	31.58	29.75	3.04	0.08	0.008	0.006	0.088
47		MBAC-3/11	10.00	11.00	1.00	9.01	0.01	35.95	33.84	3.85	0.06	0.010	0.006	0.071
48		MBAC-3/12	11.00	12.00	1.00	10.67	0.01	34.67	32.89	3.70	0.10	0.009	0.006	0.086
49	MBAC-4	MBAC-3/13	12.00	13.00	1.00	6.96	0.01	36.78	35.24	3.99	0.09	0.014	0.007	0.067
50		MBAC-3/14	13.00	14.00	1.00	13.42	0.02	33.29	30.93	3.31	0.11	0.008	0.006	0.080
51		MBAC-3/15	14.00	15.00	1.00	12.55	0.13	32.87	32.21	2.99	0.10	0.008	0.005	0.077
52		MBAC-3/16	15.00	16.00	1.00	12.16	0.03	33.01	32.40	3.52	0.15	0.007	0.006	0.099
53		MBAC-3/17	16.00	17.00	1.00	7.01	0.02	36.48	34.99	4.42	0.14	0.009	0.007	0.092
54		MBAC-3/18	17.00	18.00	1.00	3.10	0.02	39.13	36.82	5.09	0.10	0.012	0.008	0.064
55		MBAC-3/19	18.00	19.00	1.00	13.22	0.03	35.29	31.08	2.61	0.13	0.010	0.005	0.069
56		MBAC-3/20	19.00	20.00	1.00	20.03	0.01	32.37	25.95	2.11	0.10	0.008	0.004	0.041
57		MBAC-4/1	0.00	1.00	1.00	18.83	0.05	28.21	26.43	4.13	0.15	0.010	0.004	0.084
58		MBAC-4/2	1.00	2.00	1.00	24.69	0.05	23.66	24.44	2.71	0.20	0.007	0.003	0.074
59		MBAC-4/3	2.00	3.00	1.00	16.67	0.04	29.80	29.40	3.47	0.12	0.006	0.005	0.098



Sr No	BH No.	Primary Sample No.	From (m)	To (m)	Thick. (m)	Fe%	Mn%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	TiO <sub>2</sub> %	P <sub>2</sub> O <sub>5</sub> %	S%	Ga <sub>2</sub> O <sub>3</sub> %	V <sub>2</sub> O <sub>5</sub> %
60	MBAC-4	MBAC-4/4	3.00	4.00	1.00	13.21	0.03	32.11	31.19	4.15	0.09	0.007	0.006	0.101
61		MBAC-4/5	4.00	5.00	1.00	9.29	0.03	35.19	31.70	5.17	0.08	0.010	0.007	0.114
62		MBAC-4/6	5.00	6.00	1.00	10.41	0.02	34.08	32.84	4.37	0.09	0.006	0.007	0.118
63		MBAC-4/7	6.00	7.00	1.00	8.54	0.04	35.31	33.88	4.58	0.07	0.007	0.007	0.118
64		MBAC-4/8	7.00	8.00	1.00	16.93	0.02	30.53	28.83	3.55	0.06	0.005	0.005	0.098
65		MBAC-4/9	8.00	9.00	1.00	10.30	0.02	35.84	31.64	4.51	0.07	0.004	0.007	0.096
66		MBAC-4/10	9.00	10.00	1.00	12.79	0.03	32.71	28.40	6.67	0.10	0.004	0.007	0.131
67		MBAC-4/11	10.00	11.00	1.00	7.23	0.02	42.22	25.82	6.33	0.11	0.003	0.007	0.123
68		MBAC-4/12	11.00	12.00	1.00	9.64	0.02	42.97	20.27	5.02	0.08	0.002	0.006	0.108
69		MBAC-4/13	12.00	13.00	1.00	12.43	0.02	40.14	19.03	4.93	0.18	0.002	0.006	0.106
70		MBAC-4/14	13.00	14.00	1.00	13.26	0.04	39.95	18.45	4.69	0.20	0.002	0.005	0.105
71		MBAC-4/15	14.00	15.00	1.00	22.48	0.10	32.22	15.71	3.41	0.30	0.003	0.004	0.073
72		MBAC-4/16	15.00	16.00	1.00	15.39	0.20	36.79	17.85	3.85	0.22	0.003	0.004	0.082
73		MBAC-4/17	16.00	17.00	1.00	11.54	0.09	38.87	19.31	4.30	0.15	0.003	0.005	0.088
74		MBAC-4/18	17.00	18.00	1.00	16.85	0.60	32.64	20.27	3.97	0.19	0.003	0.005	0.080
75		MBAC-4/19	18.00	19.00	1.00	17.72	0.81	32.02	19.25	3.86	0.21	0.003	0.004	0.080
76		MBAC-4/20	19.00	20.00	1.00	17.91	0.16	32.07	18.08	3.83	0.19	0.002	0.004	0.080
77	MBAC-5	MBAC-5/1	0.00	1.00	1.00	6.59	0.13	65.54	14.44	1.29	0.12	0.011	0.002	0.025
78		MBAC-5/2	1.00	2.00	1.00	19.08	0.20	34.03	23.11	2.16	0.18	0.011	0.003	0.067
79		MBAC-5/3	2.00	3.00	1.00	31.12	0.58	11.19	25.97	2.60	0.25	0.012	0.004	0.095
80		MBAC-5/4	3.00	4.00	1.00	17.27	0.20	49.76	15.47	0.74	0.26	0.007	0.002	0.030
81		MBAC-5/5	4.00	5.00	1.00	6.51	0.07	66.11	16.82	0.81	0.10	0.007	0.002	0.019
82		MBAC-5/6	5.00	6.00	1.00	6.79	0.20	74.93	10.11	0.41	0.11	0.007	<0.001	0.013
83		MBAC-5/7	6.00	7.00	1.00	5.19	0.33	81.33	6.95	0.31	0.07	0.007	<0.001	0.009
84		MBAC-5/8	7.00	8.00	1.00	2.32	0.13	88.91	4.99	0.14	0.04	0.006	<0.001	0.005
85		MBAC-5/9	8.00	9.00	1.00	1.95	0.05	92.26	3.19	0.09	0.02	0.006	<0.001	0.005
86		MBAC-5/10	9.00	10.00	1.00	1.91	0.03	92.02	2.85	0.08	0.01	0.028	<0.001	0.003
87	MBAC-6	MBAC-6/1	0.00	1.00	1.00	4.32	0.13	69.56	13.79	0.87	0.08	0.016	0.002	0.017
88		MBAC-6/2	1.00	2.00	1.00	5.63	0.12	63.09	16.20	1.06	0.09	0.013	0.002	0.021
89		MBAC-6/3	2.00	3.00	1.00	5.95	0.15	62.26	16.38	1.02	0.09	0.013	0.003	0.024
90		MBAC-6/4	3.00	4.00	1.00	5.06	0.12	68.95	13.99	0.71	0.08	0.012	0.002	0.019
91		MBAC-6/5	4.00	5.00	1.00	2.31	0.06	74.66	13.90	0.57	0.05	0.007	0.002	0.012
92		MBAC-6/6	5.00	6.00	1.00	2.97	0.06	72.59	14.38	0.62	0.05	0.003	0.002	0.015
93		MBAC-6/7	6.00	7.00	1.00	4.04	0.06	70.91	14.44	0.55	0.04	0.003	0.002	0.024
94		MBAC-6/8	7.00	8.00	1.00	4.45	0.05	67.65	15.52	0.56	0.07	0.003	0.002	0.020
95		MBAC-6/9	8.00	9.00	1.00	4.20	0.08	70.64	13.24	0.50	0.12	0.007	0.002	0.015
96		MBAC-6/10	9.00	10.00	1.00	4.62	0.06	67.67	15.45	0.59	0.14	0.003	0.002	0.016
97		MBAC-6/11	10.00	11.00	1.00	4.26	0.04	66.74	15.87	0.61	0.12	0.003	0.002	0.015
98		MBAC-6/12	11.00	12.00	1.00	5.39	0.03	66.25	15.60	0.55	0.18	0.003	0.002	0.016
99		MBAC-6/13	12.00	13.00	1.00	3.63	0.01	73.17	13.96	0.51	0.17	0.003	0.001	0.012
100		MBAC-6/14	13.00	14.00	1.00	3.42	0.01	70.90	15.64	0.54	0.12	0.003	0.002	0.012
101		MBAC-6/15	14.00	15.00	1.00	5.01	0.01	67.23	16.22	0.55	0.17	0.003	0.002	0.015
102		MBAC-6/16	15.00	16.00	1.00	2.49	0.03	69.38	16.78	0.62	0.09	0.003	0.002	0.014
103		MBAC-6/17	16.00	17.00	1.00	3.20	0.01	66.64	17.07	0.72	0.17	0.003	0.003	0.015
104		MBAC-6/18	17.00	18.00	1.00	3.05	0.02	65.53	18.02	0.73	0.11	0.003	0.003	0.016
105		MBAC-6/19	18.00	19.00	1.00	3.36	0.03	69.33	15.53	0.61	0.12	0.003	0.002	0.015
106		MBAC-6/20	19.00	20.00	1.00	3.93	0.04	70.20	14.51	0.56	0.10	0.004	0.002	0.015
107	MBAC-7	MBAC-7/1	0.00	1.00	1.00	16.09	0.09	33.42	25.49	2.46	0.12	0.010	0.005	0.092
108		MBAC-7/2	1.00	2.00	1.00	23.50	0.05	25.33	24.14	2.63	0.15	0.006	0.006	0.131
109		MBAC-7/3	2.00	3.00	1.00	24.61	<0.01	25.83	22.51	2.23	0.15	0.006	0.005	0.124
110		MBAC-7/4	3.00	4.00	1.00	26.52	0.08	24.09	22.35	2.19	0.17	0.004	0.006	0.133
111		MBAC-7/5	4.00	5.00	1.00	25.74	0.04	25.01	22.43	2.25	0.18	0.005	0.005	0.132
112		MBAC-7/6	5.00	6.00	1.00	21.20	0.06	27.66	25.22	3.01	0.13	0.008	0.005	0.106
113		MBAC-7/7	6.00	7.00	1.00	20.48	0.05	27.11	27.31	2.94	0.13	0.007	0.006	0.114
114		MBAC-7/8	7.00	8.00	1.00	21.86	0.05	26.38	25.61	3.51	0.14	0.009	0.006	0.124
115		MBAC-7/9	8.00	9.00	1.00	21.98	0.05	26.47	25.54	3.35	0.14	0.007	0.006	0.131
116		MBAC-7/10	9.00	10.00	1.00	21.08	0.05	27.07	25.91	3.54	0.13	0.007	0.006	0.123
117		MBAC-7/11	10.00	11.00	1.00	21.75	0.05	27.13	25.47	3.03	0.13	0.007	0.006	0.119
118		MBAC-7/12	11.00	12.00	1.00	18.52	0.06	28.64	27.87	3.28	0.11	0.007	0.005	0.110
119		MBAC-7/13	12.00	13.00	1.00	14.60	0.05	31.92	30.08	3.25	0.08	0.007	0.005	0.079
120		MBAC-7/14	13.00	14.00	1.00	15.86	0.09	34.66	25.16	3.34	0.14	0.006	0.005	0.088
121		MBAC-7/15	14.00	15.00	1.00	11.30	0.13	37.87	22.50	4.82	0.14	0.003	0.005	0.094

Sr No	BH No.	Primary Sample No.	From (m)	To (m)	Thick. (m)	Fe%	Mn%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	TiO <sub>2</sub> %	P <sub>2</sub> O <sub>5</sub> %	S%	Ga <sub>2</sub> O <sub>3</sub> %	V <sub>2</sub> O <sub>5</sub> %
122		MBAC-7/16	15.00	16.00	1.00	22.42	0.28	31.30	18.97	2.55	0.22	0.007	0.004	0.096
123		MBAC-7/17	16.00	17.00	1.00	26.52	0.03	28.66	18.37	1.64	0.18	0.011	0.004	0.164
124		MBAC-7/18	17.00	18.00	1.00	15.30	0.14	49.45	16.06	1.03	0.15	0.005	0.003	0.071
125		MBAC-7/19	18.00	19.00	1.00	9.22	0.11	58.71	17.33	0.82	0.12	0.006	0.003	0.033
126		MBAC-7/20	19.00	20.00	1.00	6.79	0.03	72.61	11.90	0.54	0.08	0.008	<0.001	0.029
127	MBAC-8	MBAC-8/01	0.00	1.00	1.00	18.36	0.09	31.49	26.24	3.16	0.11	0.008	0.005	0.127
128		MBAC-8/02	1.00	2.00	1.00	14.28	0.19	56.23	14.18	1.33	0.13	0.008	0.003	0.070
129		MBAC-8/03	2.00	3.00	1.00	3.64	0.18	77.47	11.62	0.69	0.06	0.005	0.002	0.017
130		MBAC-8/04	3.00	4.00	1.00	4.91	0.04	77.45	10.66	0.74	0.06	0.006	0.002	0.023
131		MBAC-8/05	4.00	5.00	1.00	7.65	0.09	70.76	11.85	1.17	0.07	0.007	0.002	0.037
132		MBAC-8/06	5.00	6.00	1.00	5.46	0.08	72.76	13.42	0.93	0.06	0.009	0.002	0.028
133		MBAC-8/07	6.00	7.00	1.00	3.47	0.06	81.76	9.50	0.45	0.04	0.007	0.001	0.013
134		MBAC-8/08	7.00	8.00	1.00	2.68	0.03	87.66	5.90	0.32	0.03	0.006	<0.001	0.007
135		MBAC-8/09	8.00	9.00	1.00	3.25	0.05	86.09	6.43	0.47	0.02	0.008	<0.001	0.007
136		MBAC-8/10	9.00	10.00	1.00	4.29	0.02	71.24	15.25	0.96	0.05	0.006	0.002	0.017
137		MBAC-8/11	10.00	11.00	1.00	3.09	0.08	81.02	7.81	0.60	0.05	0.006	<0.001	0.009
138		MBAC-8/12	11.00	12.00	1.00	2.33	0.10	81.92	8.02	0.57	0.05	0.006	<0.001	0.009
139		MBAC-8/13	12.00	13.00	1.00	3.56	0.07	70.44	12.71	0.63	0.12	0.005	0.002	0.008
140		MBAC-8/14	13.00	14.00	1.00	4.61	0.04	73.74	10.91	0.82	0.06	0.010	0.001	0.015
141		MBAC-8/15	14.00	15.00	1.00	3.78	0.03	71.48	13.01	0.63	0.05	0.004	0.002	0.012
142		MBAC-8/16	15.00	16.00	1.00	3.84	0.03	62.95	20.10	1.43	0.05	0.006	0.002	0.022
143		MBAC-8/17	16.00	17.00	1.00	3.16	0.10	76.01	10.61	0.49	0.04	0.005	0.001	0.010
144		MBAC-8/18	17.00	18.00	1.00	2.55	0.07	78.63	9.84	0.39	0.03	0.005	<0.001	0.007
145		MBAC-8/19	18.00	19.00	1.00	2.76	0.14	76.17	10.96	0.47	0.03	0.005	0.001	0.009
146		MBAC-8/20	19.00	20.00	1.00	2.68	0.15	79.64	8.22	0.33	0.03	0.004	0.001	0.009
147	MBAC-9	MBAC-9/1	0.00	1.00	1.00	16.65	0.31	29.23	28.76	3.23	0.11	0.013	0.006	0.127
148		MBAC-9/2	1.00	2.00	1.00	13.82	0.15	40.84	25.04	3.15	0.12	0.015	0.004	0.088
149		MBAC-9/3	2.00	3.00	1.00	9.40	0.13	62.21	15.92	1.47	0.12	0.011	0.003	0.047
150		MBAC-9/4	3.00	4.00	1.00	5.42	0.08	68.73	16.12	1.00	0.07	0.008	0.002	0.026
151		MBAC-9/5	4.00	5.00	1.00	2.59	0.04	83.50	9.33	0.60	0.03	0.007	0.001	0.010
152		MBAC-9/6	5.00	6.00	1.00	2.66	0.03	84.37	8.40	0.64	0.03	0.005	0.001	0.010
153		MBAC-9/7	6.00	7.00	1.00	3.32	0.04	79.72	10.87	0.63	0.04	0.008	0.001	0.012
154		MBAC-9/8	7.00	8.00	1.00	3.84	0.05	77.79	11.82	0.69	0.04	0.006	0.001	0.014
155		MBAC-9/9	8.00	9.00	1.00	4.72	0.07	70.96	15.49	0.85	0.05	0.007	0.002	0.018
156		MBAC-9/10	9.00	10.00	1.00	5.02	0.09	74.15	9.95	0.73	0.04	0.005	0.001	0.015
157		MBAC-9/11	10.00	11.00	1.00	4.12	0.04	77.10	8.98	0.69	0.08	0.005	0.001	0.012
158		MBAC-9/12	11.00	12.00	1.00	4.41	0.04	75.76	9.98	0.77	0.08	0.004	0.001	0.014
159		MBAC-9/13	12.00	13.00	1.00	3.53	0.03	72.76	11.31	0.70	0.14	0.003	0.002	0.012
160		MBAC-9/14	13.00	14.00	1.00	4.58	0.03	67.32	14.08	0.67	0.05	0.003	0.001	0.013
161		MBAC-9/15	14.00	15.00	1.00	4.54	0.04	66.12	14.30	0.71	0.04	0.002	0.002	0.013
162		MBAC-9/16	15.00	16.00	1.00	3.42	0.14	72.83	12.10	0.56	0.04	0.004	0.002	0.012
163		MBAC-9/17	16.00	17.00	1.00	2.77	0.12	77.55	9.74	0.44	0.03	0.003	0.001	0.009
164		MBAC-9/18	17.00	18.00	1.00	3.00	0.12	74.55	10.82	0.44	0.03	0.002	0.001	0.009
165		MBAC-9/19	18.00	19.00	1.00	3.43	0.08	72.25	11.68	0.50	0.03	0.001	0.001	0.010
166		MBAC-9/20	19.00	20.00	1.00	2.67	0.10	81.36	8.34	0.43	0.02	0.004	<0.001	0.008
167	MBAC-10	MBAC-10/01	0.00	1.00	1.00	19.94	0.09	34.83	20.57	1.55	0.11	0.007	0.005	0.091
168		MBAC-10/02	1.00	2.00	1.00	4.57	0.04	55.22	23.50	1.51	0.06	0.007	0.003	0.034
169		MBAC-10/03	2.00	3.00	1.00	5.66	0.03	53.71	22.10	1.29	0.05	0.005	0.003	0.038
170		MBAC-10/04	3.00	4.00	1.00	1.93	<0.01	60.73	22.10	1.05	0.03	0.004	0.002	0.030
171		MBAC-10/05	4.00	5.00	1.00	1.22	<0.01	59.75	21.92	1.26	0.03	0.003	0.003	0.066
172		MBAC-10/06	5.00	6.00	1.00	3.73	0.02	58.36	22.97	1.47	0.05	0.005	0.003	0.060
173		MBAC-10/07	6.00	7.00	1.00	1.41	0.01	59.29	25.42	1.35	0.05	0.005	0.003	0.030
174		MBAC-10/08	7.00	8.00	1.00	2.35	0.01	59.11	24.58	1.41	0.05	0.004	0.003	0.036
175		MBAC-10/09	8.00	9.00	1.00	2.09	0.01	56.11	25.66	1.54	0.06	0.004	0.004	0.041
176		MBAC-10/10	9.00	10.00	1.00	5.76	0.07	55.94	21.98	1.21	0.09	0.006	0.003	0.051
177		MBAC-10/11	10.00	11.00	1.00	9.77	0.29	62.03	14.38	0.66	0.21	0.006	0.002	0.056
178		MBAC-10/12	11.00	12.00	1.00	8.54	0.17	71.14	10.21	0.53	0.12	0.008	0.001	0.035
179		MBAC-10/13	12.00	13.00	1.00	9.70	0.11	54.81	18.16	0.93	0.12	0.006	0.002	0.042
180		MBAC-10/14	13.00	14.00	1.00	9.34	0.15	55.42	18.36	0.86	0.13	0.007	0.003	0.034
181		MBAC-11/01	0.00	1.00	1.00	26.90	0.03	30.56	16.58	1.46	0.22	0.012	0.003	0.174
182		MBAC-11/02	1.00	2.00	1.00	28.06	0.03	24.13	18.16	1.68	0.22	0.009	0.004	0.209
183		MBAC-11/03	2.00	3.00	1.00	28.87	0.03	25.78	17.52	1.38	0.21	0.008	0.004	0.153

Sr No	BH No.	Primary Sample No.	From (m)	To (m)	Thick. (m)	Fe%	Mn%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	TiO <sub>2</sub> %	P <sub>2</sub> O <sub>5</sub> %	S%	Ga <sub>2</sub> O <sub>3</sub> %	V <sub>2</sub> O <sub>5</sub> %
184	MBAC-11	MBAC-11/04	3.00	4.00	1.00	22.26	0.04	37.03	17.74	1.20	0.14	0.008	0.004	0.119
185		MBAC-11/05	4.00	5.00	1.00	23.40	0.03	27.27	23.82	2.81	0.16	0.009	0.004	0.151
186		MBAC-11/06	5.00	6.00	1.00	22.50	0.04	32.26	21.23	1.41	0.11	0.008	0.004	0.114
187		MBAC-11/07	6.00	7.00	1.00	11.86	0.05	57.84	16.31	0.80	0.09	0.008	0.002	0.059
188		MBAC-11/08	7.00	8.00	1.00	6.87	0.05	73.63	9.87	0.49	0.09	0.010	0.002	0.029
189		MBAC-11/09	8.00	9.00	1.00	3.74	0.01	76.57	12.71	0.61	0.06	0.006	0.001	0.020
190		MBAC-11/10	9.00	10.00	1.00	4.86	0.03	75.81	11.61	0.64	0.07	0.009	0.001	0.023
191		MBAC-11/11	10.00	11.00	1.00	5.08	0.03	77.65	9.79	0.50	0.08	0.010	0.001	0.023
192		MBAC-11/12	11.00	12.00	1.00	2.37	0.01	80.50	11.79	0.64	0.06	0.007	0.001	0.013
193		MBAC-11/13	12.00	13.00	1.00	3.24	0.01	85.40	6.88	0.35	0.05	0.006	<0.001	0.014
194		MBAC-11/14	13.00	14.00	1.00	3.03	0.02	85.24	7.38	0.36	0.06	0.005	<0.001	0.014
195		MBAC-11/15	14.00	15.00	1.00	3.79	0.02	84.45	6.51	0.40	0.06	0.008	<0.001	0.017
196	MBAC-12	MBAC-12/1	0.00	1.00	1.00	22.57	0.06	27.00	24.83	2.80	0.15	0.013	0.006	0.133
197		MBAC-12/2	1.00	2.00	1.00	23.45	0.05	27.38	24.38	2.35	0.11	0.011	0.005	0.134
198		MBAC-12/3	2.00	3.00	1.00	18.39	0.06	28.11	27.33	3.44	0.10	0.007	0.005	0.109
199		MBAC-12/4	3.00	4.00	1.00	15.98	0.06	29.91	29.38	4.41	0.11	0.007	0.006	0.099
200		MBAC-12/5	4.00	5.00	1.00	10.36	0.04	34.09	32.96	3.89	0.06	0.006	0.006	0.063
201		MBAC-12/6	5.00	6.00	1.00	16.50	0.04	30.17	29.95	3.08	0.07	0.007	0.004	0.070
202		MBAC-12/7	6.00	7.00	1.00	25.32	0.05	24.43	24.48	2.13	0.14	0.010	0.004	0.112
203		MBAC-12/8	7.00	8.00	1.00	21.87	0.06	26.50	26.57	2.70	0.15	0.008	0.005	0.109
204		MBAC-12/9	8.00	9.00	1.00	20.06	0.06	27.57	27.35	3.07	0.17	0.008	0.005	0.107
205		MBAC-12/10	9.00	10.00	1.00	23.76	0.06	25.64	24.78	2.78	0.14	0.009	0.006	0.124
206		MBAC-12/11	10.00	11.00	1.00	22.64	0.06	25.67	26.11	2.97	0.13	0.007	0.006	0.122
207		MBAC-12/12	11.00	12.00	1.00	22.07	0.05	25.67	26.62	2.93	0.17	0.008	0.005	0.111
208		MBAC-12/13	12.00	13.00	1.00	20.19	0.05	26.60	27.44	3.68	0.15	0.008	0.005	0.122
209		MBAC-12/14	13.00	14.00	1.00	15.53	0.03	29.07	29.72	5.30	0.13	0.008	0.008	0.129
210		MBAC-12/15	14.00	15.00	1.00	13.53	0.03	26.34	33.97	4.36	0.14	0.010	0.006	0.128
211	MBAC-13	MBAC-13/1	0.00	1.00	1.00	17.80	0.04	29.63	27.00	2.88	0.11	0.015	0.005	0.094
212		MBAC-13/2	1.00	2.00	1.00	19.00	0.04	28.76	28.03	2.97	0.10	0.011	0.005	0.106
213		MBAC-13/3	2.00	3.00	1.00	20.95	0.03	27.39	26.86	2.57	0.13	0.011	0.007	0.113
214		MBAC-13/4	3.00	4.00	1.00	18.26	0.03	25.76	31.25	2.41	0.12	0.037	0.005	0.110
215		MBAC-13/5	4.00	5.00	1.00	14.09	0.03	31.50	31.99	2.44	0.09	0.010	0.006	0.087
216		MBAC-13/6	5.00	6.00	1.00	13.89	0.02	32.58	29.93	3.21	0.10	0.015	0.006	0.090
217		MBAC-13/7	6.00	7.00	1.00	14.21	0.02	31.29	31.74	2.81	0.12	0.013	0.005	0.084
218		MBAC-13/8	7.00	8.00	1.00	15.67	0.02	30.04	30.79	2.97	0.11	0.009	0.006	0.091
219		MBAC-13/9	8.00	9.00	1.00	14.92	0.02	30.21	31.51	2.94	0.11	0.016	0.006	0.098
220		MBAC-13/10	9.00	10.00	1.00	16.27	0.03	28.70	30.78	3.17	0.11	0.017	0.006	0.114
221		MBAC-13/11	10.00	11.00	1.00	16.12	0.03	28.73	30.67	3.05	0.11	0.023	0.006	0.109
222		MBAC-13/12	11.00	12.00	1.00	16.18	0.03	26.25	31.13	3.04	0.13	0.043	0.005	0.114
223		MBAC-13/13	12.00	13.00	1.00	25.16	0.05	21.67	25.74	3.48	0.10	0.018	0.006	0.118
224		MBAC-13/14	13.00	14.00	1.00	12.90	0.03	30.21	31.30	2.65	0.08	0.013	0.004	0.087
225		MBAC-13/15	14.00	15.00	1.00	14.71	0.03	28.90	32.39	3.07	0.09	0.017	0.007	0.096
226	MBAC-14	MBAC-13/16	15.00	16.00	1.00	18.98	0.04	18.94	31.70	6.04	0.18	0.040	0.008	0.138
227		MBAC-13/17	16.00	17.00	1.00	22.79	0.07	24.52	26.65	4.15	0.12	0.014	0.006	0.119
228		MBAC-13/18	17.00	18.00	1.00	20.91	0.03	26.28	28.25	3.32	0.09	0.017	0.004	0.091
229		MBAC-13/19	18.00	19.00	1.00	18.13	0.03	28.42	30.15	2.94	0.07	0.027	0.005	0.092
230		MBAC-13/20	19.00	20.00	1.00	20.61	0.04	23.85	28.09	3.15	0.07	0.015	0.005	0.109
231		MBAC-14/1	0.00	2.00	2.00	19.71	0.04	27.90	28.01	2.77	0.12	0.013	0.006	0.117
232		MBAC-14/2	2.00	4.00	2.00	17.10	0.03	29.43	29.98	2.86	0.10	0.016	0.006	0.103
233		MBAC-14/3	4.00	6.00	2.00	13.14	0.02	33.31	31.06	2.84	0.09	0.011	0.007	0.082
234		MBAC-14/4	6.00	8.00	2.00	16.49	0.03	24.29	32.63	4.16	0.15	0.014	0.006	0.127
235		MBAC-14/5	8.00	10.00	2.00	17.06	0.02	24.53	31.91	3.83	0.14	0.018	0.005	0.116
236		MBAC-14/6	10.00	12.00	2.00	20.28	0.03	17.61	31.78	4.52	0.19	0.035	0.007	0.151
237		MBAC-14/7	12.00	14.00	2.00	19.08	0.02	19.90	31.82	4.50	0.19	0.025	0.008	0.140
238		MBAC-14/8	14.00	16.00	2.00	20.09	0.03	18.84	34.16	3.64	0.15	0.024	0.005	0.126
239		MBAC-14/9	16.00	18.00	2.00	19.37	0.03	17.30	34.16	4.04	0.13	0.021	0.005	0.124
240		MBAC-14/10	18.00	20.00	2.00	17.52	0.02	23.38	31.67	3.74	0.15	0.030	0.007	0.114
241	MBAC-15	MBAC-15/1	0.00	2.00	2.00	17.67	0.01	30.14	27.68	3.07	0.13	0.010	0.006	0.102
242		MBAC-15/2	2.00	4.00	2.00	27.53	0.01	22.06	22.78	2.38	0.27	0.008	0.007	0.147
243		MBAC-15/3	4.00	6.00	2.00	17.94	0.02	29.84	27.53	3.10	0.11	0.013	0.005	0.111
244		MBAC-15/4	6.00	8.00	2.00	19.01	0.01	29.11	27.26	2.55	0.14	0.006	0.006	0.111
245		MBAC-15/5	8.00	10.00	2.00	9.39	0.01	35.37	33.56	3.48	0.06	0.004	0.005	0.079

Sr No	BH No.	Primary Sample No.	From (m)	To (m)	Thick. (m)	Fe%	Mn%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	TiO <sub>2</sub> %	P <sub>2</sub> O <sub>5</sub> %	S%	Ga <sub>2</sub> O <sub>3</sub> %	V <sub>2</sub> O <sub>5</sub> %
246	MBAC-15	MBAC-15/6	10.00	12.00	2.00	11.37	0.01	34.61	31.24	3.48	0.07	0.006	0.006	0.066
247		MBAC-15/7	12.00	14.00	2.00	11.88	0.02	33.25	32.08	3.34	0.08	0.009	0.006	0.077
248		MBAC-15/8	14.00	16.00	2.00	14.95	0.02	31.62	28.92	3.29	0.10	0.018	0.005	0.081
249		MBAC-15/9	16.00	18.00	2.00	24.50	0.02	25.29	25.08	2.41	0.16	0.014	0.006	0.134
250		MBAC-15/10	18.00	20.00	2.00	22.00	0.02	26.39	26.86	2.22	0.16	0.016	0.004	0.114
251	MBAC-16	MBAC-16/1	0.00	2.00	2.00	11.46	0.13	47.31	20.89	1.58	0.10	0.011	0.005	0.053
252		MBAC-16/2	2.00	4.00	2.00	20.07	0.05	30.00	25.01	2.51	0.11	0.005	0.006	0.121
253		MBAC-16/3	4.00	6.00	2.00	13.88	0.02	32.36	30.23	3.52	0.08	0.005	0.006	0.098
254		MBAC-16/4	6.00	8.00	2.00	13.09	0.02	32.50	30.65	4.45	0.08	0.003	0.008	0.098
255		MBAC-16/5	8.00	10.00	2.00	13.54	0.03	32.38	30.85	3.69	0.08	0.004	0.005	0.081
256		MBAC-16/6	10.00	12.00	2.00	13.72	0.05	32.40	31.04	3.45	0.09	0.003	0.006	0.089
257		MBAC-16/7	12.00	14.00	2.00	16.93	0.02	30.60	29.13	2.79	0.07	0.004	0.004	0.080
258		MBAC-16/8	14.00	16.00	2.00	20.52	0.19	28.57	26.03	2.25	0.13	0.003	0.006	0.102
259		MBAC-16/9	16.00	18.00	2.00	21.02	0.44	27.03	26.36	2.20	0.13	0.004	0.004	0.107
260		MBAC-16/10	18.00	20.00	2.00	17.63	0.05	29.81	28.78	2.28	0.11	0.003	0.005	0.100
261	MBAC-17	MBAC-17/1	0.00	2.00	2.00	21.43	0.04	27.89	25.61	2.17	0.13	0.011	0.008	0.121
262		MBAC-17/2	2.00	4.00	2.00	15.51	0.04	30.58	29.98	3.01	0.09	0.007	0.006	0.097
263		MBAC-17/3	4.00	6.00	2.00	14.88	0.01	31.03	30.72	3.42	0.09	0.005	0.007	0.092
264		MBAC-17/4	6.00	8.00	2.00	15.82	0.01	27.27	31.27	3.45	0.17	0.007	0.009	0.109
265		MBAC-17/5	8.00	10.00	2.00	12.12	0.01	32.67	32.02	4.19	0.09	0.007	0.007	0.089
266		MBAC-17/6	10.00	12.00	2.00	14.37	0.02	31.27	31.31	3.47	0.10	0.006	0.006	0.104
267		MBAC-17/7	12.00	14.00	2.00	12.70	0.02	31.84	31.97	4.48	0.12	0.005	0.007	0.091
268		MBAC-17/8	14.00	16.00	2.00	20.57	0.02	27.64	26.97	3.28	0.16	0.006	0.006	0.119
269		MBAC-17/9	16.00	18.00	2.00	25.20	0.02	23.45	24.30	2.28	0.18	0.028	0.005	0.096
270		MBAC-17/10	18.00	20.00	2.00	23.78	0.02	25.05	25.44	2.60	0.13	0.025	0.004	0.103
271	MBAC-18	MBAC-18/1	0.00	2.00	2.00	21.76	0.04	27.37	25.52	2.62	0.15	0.008	0.008	0.124
272		MBAC-18/2	2.00	4.00	2.00	18.33	0.08	27.56	28.93	2.82	0.10	0.006	0.006	0.113
273		MBAC-18/3	4.00	6.00	2.00	20.66	0.04	25.64	28.06	3.02	0.14	0.007	0.008	0.133
274		MBAC-18/4	6.00	8.00	2.00	16.25	0.02	30.26	30.20	2.75	0.12	0.004	0.007	0.111
275		MBAC-18/5	8.00	10.00	2.00	11.01	0.01	33.61	32.63	4.23	0.07	0.005	0.006	0.091
276		MBAC-18/6	10.00	12.00	2.00	14.78	0.01	31.42	30.91	3.12	0.11	0.014	0.005	0.075
277		MBAC-18/7	12.00	14.00	2.00	10.42	0.01	33.69	32.65	5.09	0.08	0.017	0.006	0.077
278		MBAC-18/8	14.00	16.00	2.00	15.30	0.02	28.97	29.22	5.70	0.15	0.017	0.006	0.090
279		MBAC-18/9	16.00	18.00	2.00	17.58	0.03	26.53	28.67	6.77	0.16	0.018	0.008	0.119
280		MBAC-18/10	18.00	20.00	2.00	28.87	0.03	21.38	22.95	2.22	0.21	0.022	0.005	0.140