

CORE LOG SAMPLE CHEMICAL ANALYSIS AND SPECIFIC GRAVITY RESULTS, MATANA BLOCK

BH ID	FROM	TO	THICKNESS	LITHOLOGY	SAMPLE CODE	LAB REF. NO.	SiO2(%)	Al2O3(%)	Fe2O3(%)	TiO2(%)	CaO(%)	MgO(%)	Na2O(%)	K2O(%)	P2O5 (%)	MnO(%)	SO3(%)	LOI	TOTAL	SP. GR.
MTBH-1	0.00	0.20	0.20	Topsoil																
MTBH-1	0.20	1.50	1.30	Limestone [Cement Grade (blendable/beneficiable, portland)]	MTBH-1/01	C/D/25-26/1241	8.18	3.30	1.21	0.15	47.28	1.75	0.29	0.32	0.13	0.01	0.09	37.14	99.85	
MTBH-1	1.50	2.60	1.10	Limestone [Cement Grade (blendable/beneficiable, portland)]	MTBH-1/02	C/D/25-26/1242	6.88	2.50	2.17	0.10	48.95	1.12	0.06	0.06	0.07	0.00	0.02	37.79	99.72	2.72
MTBH-1	2.60	4.27	1.67	Limestone [Cement Grade (blendable/beneficiable, portland)]	MTBH-1/03	C/D/25-26/1243	23.44	6.20	3.03	0.42	35.69	4.06	0.63	1.05	0.15	0.03	0.05	25.14	99.89	
MTBH-1	4.27	5.20	0.93	Marl	MTBH-1/04	C/D/25-26/1244	32.65	7.66	3.86	0.57	28.38	4.87	0.00	1.34	0.46	0.06	0.05	19.42	99.32	
MTBH-1	5.20	6.17	0.97	Marl	MTBH-1/05	C/D/25-26/1245	28.57	8.81	4.11	0.50	30.29	4.52	0.69	1.43	0.26	0.04	0.04	20.66	99.92	
MTBH-1	6.17	8.17	2.00	clay	MTBH-1/06	C/D/25-26/1246	54.91	13.67	6.50	0.94	10.80	1.02	1.40	1.75	0.22	0.04	0.00	8.37	99.62	
MTBH-1	8.17	10.00	1.83	clay	MTBH-1/07	C/D/25-26/1247	52.20	14.99	3.95	0.59	9.99	3.73	1.03	0.35	0.07	0.00	0.01	12.49	99.40	
MTBH-2	0.00	0.26	0.26	Topsoil																
MTBH-2	0.26	1.34	1.08	Limestone [Cement Grade (blendable/beneficiable, portland)]	MTBH-2/01	C/D/25-26/1248	7.24	1.98	2.17	0.07	48.97	1.01	0.05	0.05	0.04	0.00	0.02	38.39	99.99	
MTBH-2	1.34	2.00	0.66	Limestone [Cement Grade (blendable/beneficiable, portland)]	MTBH-2/02	C/D/25-26/1249	14.58	3.79	2.23	0.13	43.16	1.21	0.47	0.09	0.01	0.00	0.02	33.46	99.15	
MTBH-2	2.00	3.47	1.47	Marl	MTBH-2/03	C/D/25-26/1250	30.05	7.95	2.58	0.27	30.97	2.21	0.51	0.17	0.02	0.00	0.01	24.32	99.06	
MTBH-2	3.47	4.33	0.86	clay	MTBH-2/04	C/D/25-26/1251	46.37	12.14	3.32	0.46	16.99	3.24	0.67	0.26	0.05	0.00	0.01	15.59	99.10	
MTBH-2	4.33	5.32	0.99	clay	MTBH-2/05	C/D/25-26/1252	52.39	12.62	5.97	0.85	9.42	3.84	1.09	2.72	0.18	0.04	0.04	10.23	99.39	
MTBH-2	5.32	5.70	0.38	clay	MTBH-2/06	C/D/25-26/1253	42.86	11.48	4.20	0.44	19.00	3.00	0.07	0.28	0.11	0.00	0.01	17.86	99.31	
MTBH-2	5.70	7.00	1.30	clay	MTBH-2/07	C/D/25-26/1254	47.73	11.02	3.17	0.49	17.82	2.86	0.08	0.25	0.14	0.00	0.01	15.54	99.11	
MTBH-2	7.00	8.50	1.50	clay	MTBH-2/08	C/D/25-26/1255	48.94	9.87	5.04	0.76	15.12	2.16	1.59	1.91	0.41	0.05	0.00	13.39	99.24	
MTBH-2	8.50	10.00	1.50	clay	MTBH-2/09	C/D/25-26/1256	52.80	12.66	5.57	0.85	8.76	3.97	1.16	2.75	0.25	0.04	0.00	11.07	99.88	
MTBH-3	0.00	0.15	0.15	Topsoil																
MTBH-3	0.15	1.00	0.85	Limestone [Cement Grade (blendable/beneficiable, portland)]	MTBH-3/01	C/D/25-26/1257	13.37	3.58	1.93	0.26	43.42	2.46	0.56	0.58	0.10	0.03	0.11	32.67	99.07	
MTBH-3	1.00	2.18	1.18	Limestone [Cement Grade (blendable/beneficiable, portland)]	MTBH-3/02	C/D/25-26/1258	6.38	2.54	1.18	0.12	49.99	1.62	0.23	0.37	0.09	0.05	0.08	37.25	99.90	2.73
MTBH-3	2.18	3.00	0.82	Limestone [Cement Grade (blendable/beneficiable, portland)]	MTBH-3/03	C/D/25-26/1259	13.29	4.35	1.84	0.24	43.33	2.10	0.48	0.69	0.08	0.03	0.00	33.35	99.78	
MTBH-3	3.00	4.30	1.30	Marl	MTBH-3/04	C/D/25-26/1260	31.30	7.82	5.21	0.60	25.66	3.98	1.13	1.77	0.08	0.03	0.00	21.69	99.27	
MTBH-3	4.30	6.80	2.50	Limestone [Cement Grade (blendable/beneficiable, portland)]	MTBH-3/05	C/D/25-26/1261	26.80	3.89	2.67	0.22	35.34	1.95	1.01	0.64	0.20	0.02	0.06	26.94	99.74	
MTBH-3	6.80	8.10	1.30	clay	MTBH-3/06	C/D/25-26/1262	40.51	14.45	5.69	0.85	14.34	5.11	0.00	2.48	0.08	0.03	0.00	15.50	99.04	
MTBH-3	8.10	10.00	1.90	clay	MTBH-3/07	C/D/25-26/1263	48.63	8.05	3.28	0.42	18.22	5.90	2.71	1.98	0.19	0.04	0.04	10.45	99.91	

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MTBH-4	0.00	0.27	0.27	Topsoil																
MTBH-4	0.27	1.27	1.00	Limestone [Cement Grade (blendable/beneficiable, portland)]	MTBH-4/01	C/D/25-26/1264	9.96	2.69	2.20	0.27	45.62	1.66	0.05	0.11	0.09	0.00	0.03	37.58	100.26	
MTBH-4	1.27	2.27	1.00	Limestone [Cement Grade (blendable/beneficiable, portland)]	MTBH-4/02	C/D/25-26/1265	6.85	1.63	2.17	0.18	47.97	1.36	0.35	0.08	0.06	0.00	0.03	38.55	99.23	
MTBH-4	2.27	3.48	1.21	Limestone [Cement Grade (blendable/beneficiable, portland)]	MTBH-4/03	C/D/25-26/1266	9.76	1.90	2.39	0.20	46.07	1.30	0.51	0.11	0.05	0.00	0.02	36.76	99.07	
MTBH-4	3.48	4.00	0.52	Limestone [Cement Grade (blendable/beneficiable, portland)]	MTBH-4/04	C/D/25-26/1267	18.83	6.02	2.57	0.32	38.50	2.62	0.18	0.80	0.09	0.05	0.04	29.21	99.23	
MTBH-4	4.00	5.20	1.20	Limestone [Cement Grade (blendable/beneficiable, portland)]	MTBH-4/05	C/D/25-26/1268	12.62	3.46	2.53	0.18	44.47	1.83	0.16	0.55	0.13	0.09	0.00	33.02	99.04	
MTBH-4	5.20	6.40	1.20	Limestone [Cement Grade (blendable/beneficiable, portland)]	MTBH-4/06	C/D/25-26/1269	16.81	3.67	2.84	0.32	41.51	1.65	0.44	0.18	0.05	0.00	0.02	31.68	99.17	
MTBH-4	6.40	7.89	1.49	Marl	MTBH-4/07	C/D/25-26/1270	39.41	4.80	2.42	0.25	27.23	1.79	0.79	0.62	0.09	0.02	0.05	21.63	99.10	2.70
MTBH-4	7.89	8.90	1.01	clay	MTBH-4/08	C/D/25-26/1271	53.76	9.49	3.49	0.52	14.58	3.37	1.81	1.92	0.14	0.04	0.00	10.32	99.44	
MTBH-4	8.90	10.00	1.10	clay	MTBH-4/09	C/D/25-26/1272	52.86	8.94	3.84	0.83	14.84	3.91	1.74	0.97	0.12	0.02	0.05	11.12	99.24	