

APPENDICES

Appendix 1. Geologic Core Logs of the Drillings

Appendix 1-1 Geologic Core Logs of the Drillings

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay					
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucoxene kg/m ³
Q _{II-III}	0			Dense loam w/Pebbles						
Q _I				Pebble-gravel deposits w/boulders (max. 4 × 10cm)						
			7.40							
N ₁₋₂ ar	10									
	20			Dark brownish gray dense clay w/Fe oxide						
	30		30.10							
				Dark brownish gray dense clay						
			33.50							
				Dark greenish gray dense clay						
	40		40.00							
				Pale whitish gray dense clay						
	50									

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucocene kg/m ³	Another kg/m ³
N ¹² ar	50			Pale whitish gray dense clay							
			52.00								
				Pale greenish gray dense sandy clay w/poor dustlike ilmenite							
					56.00						
					26/6-1	57.00	3.420	0.090	-	0.018	0.072
					6-2	58.00	14.364	0.324	-	0.036	0.198
					6-3	59.00	4.266	0.162	-	0.018	0.072
			59.00								
					6-4	60.00	14.634	0.432	-	0.036	0.162
					6-5	61.00	124.794	2.448	-	tr	1.440
	60			Pale greenish gray fng sand(ilmenite 3~5%)							
			62.00								
				Pale greenish gray dense clay							
			64.00	End of the hole	6-6	62.00	241.074	4.410	-	tr	2.394
					6-7	63.00	1.458	0.054	-	tr	0.036
					6-8	64.00	0.576	0.018	-	tr	0.036
	70										
	80										
	90										
	100										

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay										
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucocene kg/m ³	Another kg/m ³				
Q1	0			Pebble-gravel deposits											
	7.50														
N1 ² ar	10			Pale greenish dense clay											
	15.00														
	20			Light gray dense clay											
	28.00														
	30			Pale brownish gray dense clay w/Fe oxide											
	36.00														
	40			Pale greenish gray dense clay											
	43.00														
	44.00														
	46.00			Pale greenish gray clay w/poor dust like ilmenite	26/10-1	45.00	10.008	0.270	-	tr	0.108				
	48.10			Clayey Sand w/ilmenite(3~5%)	10-2	46.00	7.884	0.162	-	0.018	0.216				
	50			Clayey fine grained Sand	10-3	47.00	102.222	1.854	-	0.108	1.422				
				10-4	48.00	107.532	1.962	-	0.126	2.088					
				10-5	49.00	0.288	tr	-	tr	0.018					
				10-6	50.00	0.198	tr	-	tr	0.414					

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay					
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucorene kg/m ³
N ¹⁻² ar	50	[Hatched Pattern]		Light gray Clayey Sand						
	60									
			64.50	End pf the hole						
	70									
	80									
	90									
	100									

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³
Q _{u-III}	0			Dense loam w/Pebbles							
				Pebble-gravel deposits w/boulders (max. 4 × 10cm)							
Q _I	10		10.00								
				Pale greenish gray dense clay w/Mn oxide							
N ₁₋₂ ar	20		20.00								
				Pale brown dense clay							
C ₂₋₃ mt	30										
				Pale greenish gray dense clay Poor dust like ilmenite (<1%)							
	32.00										
	33.50										
	35.50										
				Redeposited crust of weathering							
	40.00		40.00	End of the hole							
	50										
					22/42-1	33.00	0.450	0.018	-	tr	0.000
					42-2	34.00	0.558	0.036	-	tr	0.000
					42-3	35.00	0.072	0.018	-	tr	0.000
					42-4	36.00	0.036	tr	-	tr	10.656

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay								
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³		
Q _I	0			Dense loam w/Pebbles									
	10			Pebble-gravel deposits									
			9.60										
	36.00												
N ¹⁻² _I ar				Pale greenish gray dense clay w/Mn oxide									
	33.00			Drak brown dense clay									
	34.20												
	36.00												
	37.00			Silty clay w/ilmenite (~1%)	22/38-1	37.00	1.296	0.036	-	0.018	0.072		
	38.10				38-2	38.10	1.566	0.036	-	0.018	0.036		
	39.00				38-3	39.00	1.476	0.036	-	tr	0.018		
	40.00				38-4	40.00	0.234	0.018	-	tr	0.000		
40.80				38-5	40.80	2.178	0.090	-	0.018	0.054			
C _{2,3} mt	41.20			Clayey Sand w/ilmenite (3~5%)	38-6	41.90	3.456	0.108	-	tr	0.144		
	41.90			Redeposited crust of weathering	38-7	42.50	0.792	0.072	-	tr	0.000		
	43.00			End of the hole	38-8	43.00	0.378	0.036	-	tr	0.000		
	50												

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³
Q ₁	0			Dense loam w/Pebbles							
	10		10.50	Pebble-gravel deposits w/boulders (max. 4 x 10cm)							
N ₁₋₂ ar				Light gray dense clay, partly w/Mn oxide							
			36.80	Dark gray dense clay							
			39.00			38.00					
			40.00	Clayey Sand w/ilmenite(3~5%)	22/34-1	39.00	2.466	0.036	-	tr	0.054
			42.00		34-2	40.00	6.552	0.108	-	0.018	0.108
			43.70	Fine grain sand w/ilmenite(3~5%)	34-3	41.00	41.094	0.630	-	0.090	0.450
			47.90	Silty sand	34-4	42.50	104.832	1.296	-	0.252	1.818
					34-5	43.70	115.956	1.332	-	0.342	2.340
					34-6	44.50	2.358	0.072	-	tr	0.108
					34-7	45.50	10.764	0.144	-	tr	0.126
C ₂₋₃ mt	50		50.00	Redeposited crust of weathering End of the hole							

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay							
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucoxene kg/m ³	Another kg/m ³	
Q1	0			Pebble-gravel deposits w/boulders(max. 4 × 10cm)								
	7.20											
N ¹⁻² ar	10			Plae greenish gray dense clay w/Mn oxide								
	20											
	30											
	34.00											
					Sandy clay w/ilmenite(<1%)	22/10-1	35.50	0.396	0.054	-	0.036	0.234
						10-2	37.00	0.666	0.072	-	0.054	0.522
						10-3	38.50	0.504	0.054	-	0.072	0.360
						10-4	39.50	0.378	0.036	-	0.018	0.126
						10-5	40.60	0.504	0.036	-	0.054	0.342
					Dark gray dense clay		42.20					
						10-6	43.50	0.990	0.036	-	0.054	0.414
					Light gray sandy clay w/ilmenite(<1%)	10-7	45.00	3.888	0.090	-	0.036	0.126
			10-8	46.50		3.204	0.072	-	tr	0.090		
			10-9	47.50		2.520	0.054	-	tr	0.036		
			10-10	48.30		4.518	0.342	-	0.036	0.144		
			10-11	49.20		91.350	1.620	-	0.162	1.656		
			10-12	49.50		60.930	1.134	-	0.054	0.720		
	49.50			Clayey Sand w/ilmenite(3~5%)								

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay							
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³	
Ni ²⁺ ar	50			Clayey Sand w/ilmenite(3~5%)	10-13	50.40	71.046	1.404	-	0.072	1.008	
			51.60		10-14	51.60	119.574	1.890	-	0.126	1.764	
				Greenish gray dense caly	10-15	53.00	0.234	tr	-	tr	0.576	
					10-16	54.00	3.546	0.072	-	tr	0.990	
					10-17	55.50	10.062	0.090	-	tr	2.880	
					10-18	57.00	2.556	0.054	-	tr	1.296	
					10-19	58.50	3.294	0.072	-	tr	0.756	
					10-20	60.00	3.600	0.090	-	tr	0.000	
					End of the hole							
	60		60.00									
	70											
	80											
	90											
	100											

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucorone kg/m ³	Another kg/m ³
Q _{II-III} Q _I	0		0	Dense loam w/Pebbles Pebble-gravel deposits w/boulders (max. 4' x 10cm)							
			9.00								
N _{I-2} -ar	10			Light gray dense clay							
	20										
	30										
	40										
	48.00										
	50			Poor dust like ilmenite (<1%)							

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay									
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³			
N ₁ ² ar	50			Pale brownish gray dense clay		51.00								
						22/6-1	52.00	4.914	0.126	-	tr	0.054		
			53.00				6-2	53.00	1.656	0.018	-	tr	0.036	
				Clayey Sand w/ilmenite(3~5%)			6-3	53.80	72.360	1.386	-	1.746	1.008	
			54.90				6-4	54.90	57.204	0.954	-	0.180	0.450	
							6-5	55.90	29.520	0.540	-	0.054	0.558	
							6-6	57.00	0.270	tr	-	tr	0.018	
					Pale brownish gray dense clay			6-7	58.00	0.180	tr	-	tr	0.000
		60		61.00	End of the hole									
		70												
	80													
	90													
	100													

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay											
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³					
Q _{II-III}	0			Dense foam w/Pebbles												
				Pebble-gravel deposits												
Q _I			8.00													
N ₁₋₂ ar	10			Pale greenish gray clay												
C ₂₋₃ mt			19.80													
	20	#		Redeposited crust of weathering												
		#														
		#														
		#														
		#														
		#														
		#														
		#														
		#	28.00	End of the hole												
		#														
	30															
	40															
	50															

M J B K - 4 7 (1:200)

ELEVATION : 459.04m
 COORDINATE: N 14, 636, 039. 3 E 5, 397, 694. 0

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay											
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucoxene kg/m ³	Another kg/m ³					
Qn-III	0		0.50	Dense loam w/Pebbles												
QI				Pebble-gravel deposits												
			8.20													
N ₁ ¹⁻² ar	10			Greenish gray dense clay w/Mn oxides												
	20				Brownish gray dense clay w/Mn oxides											
	30			30.0-34.0m, Poor dust like ilmenite (<1%)												
			34.00													
	C ₂₋₃ mt			36.00	Redeposited crust of weathering											
					End of the hole											
	50															

Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucoxene kg/m ³	Another kg/m ³
	30.00					
18/34-1	31.00	0.306	0.018	-	tr	4.878
34-2	32.00	0.126	0.036	-	tr	12.564
34-3	33.00	0.144	0.018	-	tr	5.292
34-4	34.00	0.432	0.036	-	tr	7.074
34-5	35.00	0.054	tr	-	tr	2.898
34-6	36.00	0.036	tr	-	tr	0.000

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay							
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Monazite kg/m ³	Another kg/m ³	
Q _{0-III}	0		0.50	Dense loam w/Pebbles								
			7.60	Pebble-gravel deposits								
N ₁₋₂ ar	10											
	20			Light gray clay								
	30											
	36.60											
	38.00			Sandy clay w/poor dust like ilmenite(<1%)	18/30-1	38.00	2.214	0.054	-	tr	0.000	
	39.00				30-2	39.00	10.836	0.126	-	tr	0.252	
	39.50				30-3	39.50	1.134	0.038	-	tr	0.000	
	40.50				30-4	40.50	39.168	0.738	-	tr	0.648	
	41.60				30-5	41.60	0.792	0.038	-	tr	0.000	
	42.60			Light gray sandy clay	30-6	42.60	1.926	0.054	-	tr	0.000	
	43.60				30-7	43.60	30.114	0.612	-	tr	0.576	
	44.50			Light gray clay	30-8	44.50	25.650	0.756	-	tr	0.486	
	45.50			Sandy clay w/poor dust like ilmenite(<1%)	30-9	45.50	3.114	0.126	-	tr	0.000	
46.00			Brownish gray clay w/Mn oxide	30-10	46.50	4.230	0.198	-	0.126	0.000		
46.50				30-11	47.50	1.584	0.007	-	0.036	0.000		
48.40			Sandy clay w/Mn oxide	30-12	48.40	2.196	0.144	-	0.054	0.000		
48.60			Sandy clay w/ilmenite(1~2%)	30-13	48.60	0.270	0.007	-	0.306	0.000		
49.10				30-14	49.10	66.834	1.242	-	tr	2.610		
49.50			Redeposited crust of weathering	30-15	49.50	55.062	0.774	-	4.194	2.322		
50.00				30-16	50.00	0.180	tr	-	tr	0.000		
C ₂₋₃ mt												

M J B K - 4 8 (2) (1:200)
(18/30)

ELEVATION : 459.00m
COORDINATE: N 14, 635, 847.3 E 5, 397, 740.0

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Revolutions kg/m ³	Another kg/m ³
C ₂₋₃ mt	50	== ==	51.00	Redeposited crust of weathering End of the hole	30-17	51.00	3.762	0.128	-	0.054	0.000
	60										
	70										
	80										
	90										
	100										

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay													
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosane kg/m ³	Another kg/m ³							
Q _{II-III}	0		0.50	Dense loam w/Pebbles														
			7.20	Pebble-gravel deposits														
N _{I-2} ar	10			Dense light gray clay w/Mn & Fe Oxides														
	20																	
	30																	
	37.00						37.00	200.00	200.00	200.00	200.00	200.00	200.00					
	39.00					18/26-1	38.00	0.414	0.018	-	tr	0.054						
	39.50				Sandy clay w/ilmenite(1~5%)	26-2	39.00	6.966	0.196	-	0.036	0.594						
	40.70				Clayey Sand w/ilmenite(3~5%)	26-3	39.50	36.396	0.720	-	tr	2.988						
	41.60				Clayey Sand w/ilmenite(5~7%)	26-4	40.70	137.322	2.430	-	tr	10.584						
	43.60				Clayey Sand w/ilmenite(1~3%)	26-5	41.60	109.260	2.232	-	tr	8.460						
	44.60				Clayey Sand w/ilmenite(3~5%)	26-6	42.60	27.522	0.612	tr	tr	1.206						
	45.50				Sandy Clay w/ilmenite(1~3%)	26-7	43.60	60.714	1.314	-	tr	4.230						
	48.00				Clayey Sand w/ilmenite(~3%)	26-8	44.60	56.790	1.314	-	tr	3.564						
	49.10				Clayey Sand w/ilmenite(3~5%)	26-9	45.50	19.962	0.432	-	2.52	0.954						
50			Sand w/ilmenite(5~7%)	26-10	46.80	45.288	1.368	-	tr	2.250								
				26-11	48.00	46.474	0.972	-	tr	3.276								
				26-12	49.10	113.202	2.268	-	tr	7.524								
				26-13	50.10	98.838	1.494	-	tr	7.902								

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucoxene kg/m ³	Another kg/m ³
C ₂₋₃ mt N ^{1/2} ar	50		51.00	Dense clay w/ilmenite (5~7%)	18/26-14	51.00	20.808	0.504	-	tr	1.440
			51.70	Sandy clay w/ilmenite (>3%)	26-15	51.70	86.130	1.566	-	tr	7.110
			52.40	Sand w/ilmenite (7~10%)	26-16	52.40	117.720	1.584	-	tr	13.032
					26-17	53.00	3.078	0.036	-	tr	0.288
					26-18	54.00	1.332	0.018	-	tr	0.180
				54.00	Redeposited crust of weathering						
	60										
	70										
	80										
	90										
	100										

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucorone kg/m ³	Another kg/m ³
N ₁₋₂ ar	50			Clayey Sand w/ilmenite(3~5%)	18-16	51.00	62.838	0.972	-	tr	1.746
			52.00	Greenish gray Clay w/ilmenite(~1%)	18-17	52.00	105.318	2.304	-	tr	2.772
			53.00	Clayey Sand w/ilmenite(1~3%)	18-18	53.00	19.854	0.396	-	0.090	0.360
			54.60	Fng. Sand w/ilmenite(3~5%)	18-19	54.00	64.890	1.134	-	tr	1.098
			55.80	Clayey Sand w/ilmenite(5~7%)	18-20	54.60	57.852	0.576	-	tr	0.576
			57.20	Redeposited crust of weathering	18-21	55.80	144.756	1.602	-	tr	3.438
				End of the Hole	18-22	57.20	158.472	2.286	-	tr	4.302
					18-23	58.00	5.202	0.072	tr	tr	0.144
					18-24	59.00	1.458	0.036	-	tr	0.000
	C ₂₋₃ mt		#								
		#	59.00								
	60										
	70										
	80										
	90										
	100										

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay												
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosane kg/m ³	Another kg/m ³						
Q _{II-II}	0		0.40	Dense loam w/Pebbles													
			6.90	Pebble-gravel deposits													
N _{I-2} ar	10			Greenish gray clay w/Mn oxide Sandy clay w/ilmenite(1~5%) Clayey Sand w/ilmenite(3~5%)													
	20																
	30																
			36.00														
			38.00			Light brownish gray sandy clay w/ilmenite(<1%)	18/14-1	36.00	0.594	0.036	-	0.216	1.440				
							14-2	37.00	0.630	0.036	-	0.252	1.926				
							14-3	38.00	0.324	0.036	-	0.090	0.522				
							14-4	39.30	0.792	0.054	-	0.090	0.576				
							14-5	40.00	1.314	0.072	-	0.072	0.612				
							14-6	41.00	3.402	0.234	-	0.252	2.268				
							14-7	42.00	4.410	0.252	-	0.378	1.944				
							14-8	43.00	5.580	0.180	-	0.252	1.332				
							14-9	44.00	5.148	0.252	-	0.360	2.322				
							14-10	45.00	10.638	0.396	-	0.234	2.358				
	C ₂₋₃ mt					Sandy clay w/ilmenite(1~3%)	14-11	46.00	8.460	0.342	-	0.360	1.512				
				14-12	46.80		7.272	0.234	-	0.324	2.340						
				14-13	48.00		7.506	0.306	-	0.324	1.260						
				14-14	49.00		8.136	0.288	-	0.594	2.448						
				14-15	50.00		15.642	0.414	-	0.612	2.268						

M J B K - 5 1 (2) (1:200)
(18/14)

ELEVATION : 460.35m
COORDINATE: N 14, 635, 084. 1 E 5, 397, 923. 5

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³
C ₂₃ mt Ni ²⁺ ar	50		51.40	Sandy clay w/ilmenite(1~5%)	14-16	51.40	36.504	0.720	-	0.504	1.026
		#		Redeposited crust of weathering	14-17	53.00	1.620	0.072	-	0.090	0.000
		#			14-18	54.00	0.666	0.072	-	tr	0.000
		#	55.00	End of the hole							
	60										
	70										
	80										
	90										
	100										

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay														
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Requaxene kg/m ³	Another kg/m ³								
Q _{II-III}	0			Dense loam w/Pebbles															
				Pebble-gravel deposits w/boulders (max. 4 x 10cm)															
N ₁₋₂ ar			8.30																
			10																
			20																
			30																
			39.00																
	C ₂₋₃ mt			40.50	Poor dust like ilmenite (<1%)														
				43.50	Sandy clay w/ilmenite (1~3%)														
				44.00	Pale greenish gray dense clay														
				46.00	Clayey Sand w/ilmenite (1~3%)														
				47.00	Clayey Sand w/ilmenite (3~5%)														
				50	Clayey Sand w/ilmenite (1~3%)														
							37.30												
						18/10-1	38.50	0.702	0.018	-	tr	0.000							
						10-2	39.30	0.522	0.018	-	tr	0.000							
						10-3	40.50	6.732	0.234	-	tr	0.000							
						10-4	41.50	32.490	0.810	-	tr	0.846							
						10-5	42.40	37.764	0.720	-	tr	0.648							
					10-6	43.60	83.538	1.404	-	0.180	2.628								
					10-7	44.80	12.132	0.216	-	0.072	0.324								
					10-8	46.40	133.488	2.124	-	0.180	2.664								
					10-9	46.80	7.920	0.162	-	tr	0.288								
					10-10	48.00	23.022	0.846	-	0.216	0.954								
					10-11	49.00	20.988	0.864	-	0.198	1.062								
					10-12	49.90	32.598	1.260	-	0.342	1.026								

M J B K N - 5 2 (2) (1:200)
(18/10)

ELEVATION : 460.59m
COORDINATE: N 14, 634, 894. 4 E 5, 397, 965. 3

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³
C ₂₋₃ mtN _i ¹⁻² ar	50		50.50	Clayey Sand w/ilmenite(1~3%)	10-13	50.20	39.096	1.350	-	0.360	0.954
		#		Redeposited crust of weathering	10-14	51.50	7.614	0.234	-	0.072	0.306
		#			10-15	53.00	0.450	0.036	-	0.018	0.000
		#		End of the hole							
		#	55.00								
	60										
	70										
	80										
	90										
	100										

M J B K - 5 3 (1) (1:200)
(26/2)

ELEVATION : 465.04m
COORDINATE: N 14, 634, 731.8 E 5, 399, 047.5

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay					
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Resucovene kg/m ³
Q _{II-III}	0		8.50	Dense loam w/Pebbles						
				Pebble-gravel deposits w/boulders (max. 4 x 10cm)						
Q _I	10		49.00	* Fe						
				Light gray dense clay						
N _{I²} ar	30		50	Sandy clay						
	50									

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucorene kg/m ³	Another kg/m ³
N _i ²⁺ ar	50			Poor dust like ilmenite(<1%)							
			54.00			54.00					
			56.00	Sandy clay w/ilmenite(1~5%)	26/2-1	55.00	5.652	0.144	-	tr	4.428
			56.00		2-2	56.00	12.456	0.234	-	tr	0.216
			57.10	Clayey Sand w/ilmenite(3~5%)	2-3	56.50	159.408	3.368	-	0.144	2.288
			57.10		2-4	57.10	157.410	3.204	-	0.144	1.458
			58.00	Light gray dense clay	2-5	58.00	15.138	0.324	-	0.036	0.540
		59.00		2-6	59.00	9.918	0.252	-	0.036	0.522	
	60		60.00	End of the hole							
	70										
	80										
	90										
	100										

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay							
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³	
Q _{II-III}	0			Dense loam w/Pebbles								
				Pebble-gravel deposits w/boulders (max. 4 × 10cm)								
Q _I			9.00									
			10									
			20									
			30									
			39.00		Dark Brownish gray dense clay w/Mn oxide							
			40									
			41.00			22/2-1	40.00	0.612	0.018	-	0.054	0.216
			42.00			2-2	41.00	0.594	0.036	-	0.036	0.198
			43.00			2-3	42.00	0.180	0.018	-	tr	0.036
			44.50			2-4	43.00	0.594	0.018	-	tr	0.000
			45.00			2-5	43.80	0.414	0.018	-	tr	0.000
			46.50			2-6	44.50	0.540	0.018	-	tr	0.036
		49.00		pale greenish gray dense clay								
N _I ² ar			49.00									
			50		Sandy clay w/ilmenite (1~5%)							
			50.00			49.00						
			50		2-7	50.00	3.060	0.072	-	0.018	0.090	

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³
N ¹² ar	50			Sandy clay w/ilmenite (1~5%)	2-8	51.00	2.340	0.054	-	tr	0.036
					2-9	52.00	0.162	0.018	-	tr	3.186
					2-10	53.00	0.270	0.036	-	tr	4.644
			54.30	Clayey Sand w/ilmenite (3~5%)	2-11	54.30	3.042	0.072	-	tr	0.090
					2-12	55.30	161.712	3.528	-	0.180	3.276
					2-13	56.20	178.128	3.888	-	tr	2.196
					2-14	56.70	31.590	0.756	-	0.036	0.162
					2-15	57.60	157.698	2.574	-	tr	1.188
			58.40		2-16	58.50	3.816	0.072	-	tr	0.108
					2-17	59.50	4.932	0.126	-	tr	0.072
		60.00	Dark brownish gray dense clay								
	60			End of the hole							
	70										
	80										
	90										
	100										

M J B K - 5 5 (1) (1:200)
(18/6)

ELEVATION : 460.37m
COORDINATE: N 14, 634, 698.8 E 5, 398.012.9

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucorene kg/m ³	Another kg/m ³
Q _{II-III}	0		7.50	Dense loam w/Pebbles							
				Pebble-gravel deposits w/boulders (max. 4 × 10cm)							
Q _I			48.30	Pale greenish gray dense clay							
N ₁₋₂ ar			50	Sandy clay w/ilmenite (1~3%)							
					48.00						
	18/6-1			49.00	4.050	0.090	-	0.018	0.054		
	6-2	50.00	5.148	0.126	-	0.018	0.090				

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay										
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³				
N ₁₋₂ ar	50			Sandy clay w/ilmenite(1~3%)	6-3	51.00	3.132	0.072	-	0.018	0.036				
	6-4				52.00	1.350	0.054	-	tr	7.776					
	6-5				53.00	13.194	0.774	-	0.144	0.216					
	6-6				54.00	5.526	0.180	-	tr	9.342					
	6-7				55.00	15.210	0.414	-	0.126	0.198					
	6-8				56.00	7.308	0.288	-	0.072	10.422					
	6-9				57.00	9.558	0.342	-	tr	4.374					
	C ₂₋₃ mt				57.50			Redeposited crust of weathering End of the hole							
					58.00										
	60														
	70														
	80														
	90														
	100														

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³
Q _{II-III}	0		1.00	Dense loam w/Pebbles							
			9.20	Pebble-gravel deposits							
N ¹⁻² ar	10		11.00	Dark brownish gray dense clay w/Mn oxides							
			16.60	Light greenish gray clay							
C ₂₋₃ mt		#				14.60					
		#			4-4	15.60	0.882	1.278	-	0.018	1.350
		#			4-5	16.60	5.796	0.216	-	0.612	0.234
		#			4-6	17.60	3.906	0.234	-	0.036	0.162
		#			4-7	18.60	2.790	0.180	-	0.018	0.072
		#			4-8	20.00	0.612	0.054	-	tr	0.000
		#									
		#									
			31.00	End of the hole							

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucorene kg/m ³	Another kg/m ³
Q ₁₁₋₁₃	0		1.00	Dense loam w/Pebbles							
			9.50	Pebble-gravel deposits							
N ₁ ² ar	10		11.00	Light gray clay w/Fe, Mn oxide							
			14.00	Light greenish gray dense clay							
			18.00	Yellowish gray clay w/Fe oxide		18.00					
			20.00	Light gray Clayey Sand	8-4	19.00	2.556	0.090	-	0.018	0.126
			22.00	Poor dust like ilmenite(<<1%)	8-5	20.00	6.300	0.216	-	0.036	0.288
C ₂₋₃ mt					8-6	20.70	16.380	0.522	-	0.072	0.720
				Redeposited crust of weathering	8-7	22.00	18.234	0.720	-	0.126	0.756
					8-8	23.00	14.850	0.540	-	0.144	0.414
				End of the hole							
	30		30.00								
	50										

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay							
					Sample #	Depth m	Ilmenite kg/m³	Zircon kg/m³	Rutile kg/m³	Reucosene kg/m³	Another kg/m³	
Q _{II-II}	0		1.00	Dense loam w/Pebbles								
	9.00			Pebble-gravel deposits								
Q _I	10		21.00	Pale greenish gray dense clay w/Mn, Fe oxides								
	23.00			Sandy clay	3Γ/0-1	24.00	1.080	0.054	-	0.180	0.000	
	25.00			Sandy clay w/ilmenite(1~3%)	0-2	25.00	1.098	0.036	-	0.018	0.000	
	27.00			Clayey Sand w/ilmenite(3~5%)	0-3	26.00	11.880	0.396	-	0.108	0.000	
	29.00			Redeposited crust of weathering	0-4	27.00	15.588	0.556	-	0.144	0.000	
	31.00			End of the hole	0-5	28.00	9.702	0.432	-	0.108	0.000	
N _{I-2} ar	30	#	33.00	End of the hole	0-6	29.00	11.610	0.342	-	0.198	0.666	
	33.00	#			0-7	30.00	17.910	0.396	-	0.180	0.792	
	33.00	#			0-8	31.00	11.502	0.396	-	0.072	0.504	
C ₂₋₃ mt	40				0-9	32.00	1.134	0.054	-	0.036	0.000	
	50											

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay									
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucorone kg/m ³	Another kg/m ³			
Q _{II-III}	0		1.00	Dense loam w/Pebbles										
				Pebble-gravel deposits										
N ₁₋₂ ar	10			Greenish gray dense Clay w/Mn oxide and Fe oxide										
	C ₂₋₃ mt	26.00												
				Sandy clay w/ilmenite(3~5%)	3Γ/8-5	26.90	3.132	0.162	tr	tr	0.000			
					8-6	27.80	7.434	0.324	tr	0.036	0.000			
					8-7	29.00	94.698	3.060	tr	0.360	0.000			
					8-8	30.20	76.968	2.536	tr	0.378	0.000			
					8-9	31.10	10.836	0.432	tr	0.054	0.000			
					8-10	32.00	7.668	0.252	tr	0.036	0.000			
					8-11	32.70	105.804	3.420	tr	0.396	1.602			
					8-12	33.50	129.618	3.294	tr	0.486	3.330			
					8-13	34.20	199.044	5.760	tr	0.468	4.608			
					8-14	35.50	45.108	0.630	-	0.162	1.350			
					8-15	35.70	87.660	2.484	-	0.288	2.772			
					8-16	36.00	163.368	2.862	-	0.342	5.382			
				8-17	37.00	1.386	0.036	-	tr	0.000				
				8-18	38.00	1.512	0.036	-	tr	0.000				
				8-19	39.00	0.180	tr	-	tr	0.000				
				Redeposited crust of weathering										
				End of the hole										

M J B K S - 3 0 (1:200)
(3A/-4)

ELEVATION : 485.30m
COORDINATE: N 14, 632, 338.9 E 5, 403, 073.0

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucovene kg/m ³	Another kg/m ³
Q _{II-III}	0		1.00	Dense loam w/Pebbles							
				Pebble-gravel deposits							
N ₁₋₂ ar			7.50								
			10								
			20	Pale green gray dense clay							
			30								
			30.50	Sandy clay							
			31.20	Poor dust like ilmenite (<1%)	3A/ (-4)-1	30.30	0.936	0.054	-	0.018	0.000
			31.50	Fng Sand	(-4)-2	31.30	33.516	1.440	-	0.144	0.468
					(-4)-3	31.50	72.486	1.800	-	0.234	0.576
					(-4)-4	32.80	56.430	1.350	-	0.342	1.026
					(-4)-5	34.00	7.722	0.288	-	0.054	0.090
				(-4)-6	34.50	134.532	2.754	-	0.180	4.032	
				(-4)-7	35.50	49.950	0.846	-	tr	1.764	
				(-4)-8	36.50	1.350	0.126	-	tr	0.000	
C ₂₋₃ mt				Redeposited crust of weathering							
			40.00	End of the hole							

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³
Q _{II-III}	0			Dense loam w/Pebbles							
				Pebble-gravel deposits w/boulders (max. 4 × 10cm)							
Q _I			9.00								
	10	Fe		Brownish gray dense clay w/Fe oxide							
N _{I²} ar		Fe	14.50								
	20			Light gray dense clay w/Mn oxide							
C ₂₋₃ mt			29.00								
	30			Sandy clay w/ilmenite	3A/0-1	31.00	3.240	0.144	-	0.018	0.000
			34.50								
			35.50	Clayey Sand w/ilmenite(3~5%)	0-2	32.00	25.328	0.666	-	0.144	0.000
				Redeposited crust of weathering	0-3	33.50	67.176	2.106	-	0.324	0.972
				End of the hole	0-4	34.50	169.614	4.392	-	0.288	2.916
			41.00		0-5	35.50	179.838	3.114	-	0.522	5.706
					0-6	36.50	6.822	0.072	-	0.054	0.144
					0-7	37.50	1.314	0.018	-	0.126	0.000

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay								
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³		
Q _{m-III} Q _I	0		1.00	Dense loam w/Pebbles									
				Pebble-gravel deposits									
			8.50										
	N ¹⁻² ar	10											
					Green gray dense clay w/Mn, Fe oxides								
		20											
					Clayey Sand w/ilmenite(3~5%)								
							27.50						
						3A/4-1	28.50	3.996	0.162	-	0.018	0.072	
						4-2	29.50	4.086	0.144	-	0.018	0.000	
						4-3	30.00	46.692	1.746	-	0.252	0.000	
					4-4	30.30	1.620	0.072	-	0.018	0.000		
					4-5	31.00	23.706	0.864	-	0.216	0.234		
					4-6	32.20	6.120	0.234	-	0.036	0.072		
				4-7	33.50	28.620	0.846	-	0.234	0.396			
				4-8	34.30	280.350	5.346	-	1.008	5.670			
				4-9	35.20	192.888	4.230	-	0.648	2.934			
				4-10	36.00	13.554	0.198	-	0.594	0.504			
				4-11	37.00	0.828	0.054	-	tr	0.000			
C ₂₋₃ mt				Redeposited crust of weathering									
	40		40.00	End of the hole									
	50												

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³
Qi-II	0		1.00	Dense loam w/Pebbles							
				Pebble-gravel deposits							
Ni ²⁺ -ar			8.70								
			10	Glauy green dense clay							
			11.00								
			12.00	Dark brown clay w/Mn oxides							
			20	Light greenish gray dense clay							
			21.50								
			23.50								
C ₂₋₃ mt			27.00	Sandy clay w/ilmenite(1~3%)	3A/8-1	22.50	1.746	0.072	-	0.054	0.036
			28.00	Fng sand w/ilmenite(3~5%)	8-2	23.50	2.268	0.072	-	0.018	0.054
			29.00	Fng sand	8-3	24.50	8.316	0.270	-	0.018	0.108
					8-4	25.70	4.392	0.162	-	0.018	0.126
					8-5	27.00	11.160	0.522	-	0.162	0.162
					8-6	28.00	67.194	1.584	-	0.270	1.044
					8-7	29.00	21.888	0.900	-	1.404	0.360
					8-8	30.00	1.620	0.036	-	0.090	0.108
			30	Redeposited crust of weathering							
			35.00	End of the hole							
			40								
			50								

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay							
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³	
Q _{II-III}	0			Dense loam w/Pebbles								
	10		10.60									
N _{I-2} ar				Greenish yellow dense clay w/Mn oxide								
			14.60	Dark gray dense clay								
			17.40									
			20	Greenish gray dense clay								
			27.00									
			28.00			1-36/6	28.00	0.108	0.018	-	tr	0.000
			29.00			36/7	29.00	1.332	0.036	-	tr	0.036
			30.00			36/8	30.00	0.666	0.054	-	tr	0.000
			31.00			36/9	31.00	0.684	0.072	-	tr	0.000
			32.00			36/10	32.00	0.360	0.036	tr	0.018	0.000
			33.00			36/11	33.00	0.378	0.018	-	tr	0.000
			35.00									
		36.00			36/1	36.00	0.216	0.018	-	tr	0.000	
		36.70			36/2	36.70	0.234	0.018	-	tr	0.000	
		37.10			36/3	37.10	0.720	0.036	-	tr	0.684	
		38.00			36/4	38.00	0.810	0.108	-	0.018	0.144	
		39.00			36/5	39.00	0.720	0.126	-	0.018	0.144	
		40.20										
		43.50										
C ₂₋₃ mt				Redeposited crust of weathering								
			45.00	End of the hole								
	50											

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay																
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucoxene kg/m ³	Another kg/m ³										
Q _{II-III}	0			Dense loam w/Pebbles																	
	10																				
	20		20.70																		
	N _{I-2} ar					Brownish gray dense clay		24.00													
							1/32-1	25.00	0.198	tr	-	0.018	0.000								
							32-2	26.00	0.180	0.018	-	tr	0.000								
							32-3	27.00	0.054	0.018	-	tr	0.000								
							32-4	28.00	0.090	0.018	-	tr	0.000								
							32-5	29.00	0.198	0.036	-	tr	0.000								
							32-6	30.00	0.198	tr	-	tr	0.180								
							32-7	30.80	0.126	tr	-	tr	0.342								
							32-8	32.00	0.090	0.036	-	tr	1.242								
							32-9	33.00	0.108	0.018	-	tr	0.216								
							32-10	34.00	0.288	0.036	-	tr	0.360								
							32-11	35.00	0.090	tr	tr	tr	0.234								
							32-12	36.00	0.234	0.018	-	tr	0.450								
							32-13	37.00	0.162	tr	-	tr	0.090								
				32-14	38.20		0.126	tr	-	tr	0.126										
				32-15	39.50		0.198	0.054	-	0.072	0.792										
				32-16	41.00		0.054	tr	-	tr	0.108										
			32-17	42.00	0.072	tr	-	tr	0.270												
C ₂₋₃ mt			43.30	Redeposited crust of weathering																	
	50			End of the hole																	

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucorene kg/m ³	Another kg/m ³
Q _{II-III}	0			Dense loam w/Pebbles							
	10										
	17.50										
	21.80										
	21.00										
N ¹⁻² ar	21.80			Yellowish gray dense clay	1/28-1	21.80	0.288	0.018	-	tr	0.000
	22.60				28-2	22.60	0.414	tr	-	tr	0.342
	23.60				28-3	23.60	0.288	0.018	-	tr	0.000
	24.60				28-4	24.60	0.324	0.018	-	tr	0.000
	36.10										
C ₂₋₃ mt	36.10			Pale gray dense clay w/Fe oxide							
	41.00										
	41.00				Redeposited crust of weathering						
	41.00				End of the hole						
	50										

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucoxene kg/m ³	Another kg/m ³
Q _{II-III}	0			Dense loam w/Pebbles							
			3.00	Dark greenish dense clay							
N _{I²} ar	10			Dark greenish dense clay		10.50					
			11.50	Pale greenish gray clay	IV/0-1	11.50	0.432	0.018	-	tr	0.036
			12.40	Pale greenish gray clay	0-2	12.50	0.234	0.018	-	tr	0.018
			13.50	Pale gray sandy clay	0-3	13.50	0.954	0.234	-	tr	0.072
				Redeposited crust of weathering	0-4	14.50	0.468	tr	-	0.072	0.000
C ₂₃ mt				Redeposited crust of weathering	0-5	15.50	0.252	tr	tr	tr	0.000
			17.00	End of the hole							
	20			End of the hole							
	30			End of the hole							
	40			End of the hole							
	50			End of the hole							

M J B K E - 5
(IV/-4)

(1:200)

ELEVATION : 481.02m

COORDINATE: N 14, 642, 348. 6 E 5, 402, 985. 8

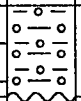
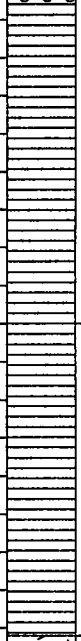


F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucorone kg/m ³	Another kg/m ³
Q _{II-III}	0			Dense loam w/Pebbles							
	6.00										
N _{I-2} ar	10			Light Brownish gray dense clay		11.00					
					IV/ (-4)-1	12.00	0.090	tr	-	tr	0.000
				(-4)-2	13.00	0.054	tr	-	tr	0.000	
				(-4)-3	14.00	0.108	0.018	-	tr	0.252	
				(-4)-4	15.00	0.342	tr	-	tr	2.520	
C ₂₋₃ mt			13.80	Light gray dense clay							
			14.80								
			18.00	Redeposited crust of weathering							
				End of the hole							
	20										
	30										
	40										
	50										

M J B K E - 6
(IV/-8)

(1:200)


ELEVATION : 478.38m

COORDINATE: N 14, 642, 171.7 E 5, 402, 884.9

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³
Q _{n-an}	0		2.40	Dense loam w/Pebbles							
	N ₁₋₂ ar		11.00	Brownish green dense clay							
			16.50	Pale graysh green dense clay							
			17.50		IV/(-8)-1	17.50	2.106	0.126	tr	tr	0.072
			18.30		(-8)-2	18.30	2.196	0.126	-	tr	0.090
			19.00		(-8)-3	19.00	4.374	0.108	tr	0.018	0.090
			19.80		(-8)-4	19.80	14.256	0.972	tr	0.270	0.090
			21.00		(-8)-5	21.00	0.180	0.270	-	0.036	0.702
			22.00		(-8)-6	22.00	0.234	tr	-	tr	0.000
			22.00								
C ₂₋₃ mt	20		19.80	Sandy clay w/ilmenite (~1%)							
			22.00	Redeposited crust of weathering							
	30										
	40										
	50										

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³
Q _{II-III}	0			Dense loam w/Pebbles							
	10										
N _{I-2} ar	17.80			Pale greenish gray dense clay							
	20										
	30			Pale greenish gray clay							
	30.50										
	31.50				11/36-1	31.50	0.576	0.054	-	0.018	0.000
	32.50				36-2	32.50	0.936	0.036	-	tr	0.000
	33.50				36-3	33.50	0.522	0.054	-	tr	0.000
	34.20				36-4	34.20	0.828	0.072	-	tr	0.000
C ₂₋₃ mt	34.20			Redeposited crust of weathering							
	35.00					36-5	35.00	0.270	tr	-	tr
	36.00				36-6	36.00	0.072	tr	-	tr	0.000
	37.00				36-7	37.00	0.090	tr	-	tr	0.000
	44.00			End of the hole							

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay							
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³	
Q _{II-II}	0			Dense loam w/Pebbles								
	10											
N ¹⁻² ar	20		25.50	Brownish gray dense clay w/Mn oxide								
	30		33.80									
	40				Light gray dense clay							
47.00												
	48.00			Pale greenish gray dense clay	11/32-1	48.00	0.198	tr	-	tr	0.000	
	49.00				32-2	49.00	0.198	tr	-	tr	0.000	
	50.00		49.50		32-3	50.00	0.252	0.018	-	tr	0.000	

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³
C ₂₃ mt N ₁ ¹⁻² ar	50		1.80	Pale Greenish gray sandy clay	32-4	51.00	0.108	0.018	-	tr	0.000
	60	# # # # # # #	9.50	Redeposited crust of weathering							
	60			End of the hole							
	70										
	80										
	90										
	100										

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay							
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³	
Q _{II-III}	0			Dense loam w/Pebbles								
	10											
N _{I-2} ar	20		21.00	Brownish gray dense clay w/Mn oxide								
	30		34.00									
	40		43.30		Light gray dense clay							
	44.30											
C ₂₋₃ mt			48.50	Pale gray dense clay	11/28-1	45.30	0.252	0.054	-	0.018	0.000	
					28-2	46.30	0.198	0.018	-	tr	2.556	
					28-3	47.30	3.672	0.162	-	0.090	0.252	
					28-4	48.30	0.522	0.036	-	0.018	0.036	
	50			Redeposited crust of weathering								

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³
C ₂₋₃ mt	50	#		Redeposited crust of weathering							
		#									
		#									
		#									
		#									
		#	55.50	End of the hole							
	60										
	70										
	80										
	90										
	100										

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucorone kg/m ³	Another kg/m ³
Qi	0			0.00-4.70m, non-core							
			4.70								
	10			Green-glau dense loam w/Pebbles, sand							
			18.90								
C ₂₋₃ mt	20	#		Redeposited crust of weathering							
		#									
		#	22.00	End of the Hole							
	30										
	40										
	50										

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³
QI	0		0.00-3.00m, non-core								
			3.00	Clay-brown dense loam w/Pebbles		5.00					
					2/8-1	6.00	0.234	0.036	tr	tr	0.018
					2/8-2	7.30	0.162	0.036	tr	tr	0.000
					2/8-3	8.80	0.198	0.018	tr	tr	0.000
C ₂₃ mt			8.80								
	10	#	Redeposited crust of weathering								
		#									
		#		12.00							
	20										
	30										
	40										
	50										

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay							
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³	
Q _{II-III}	0			Dense loam w/Pebbles								
Q _I			9.10									
N _I ¹⁻² ar	10			Pale greenish yellow clay with Fe oxide		11.50						
						XI/6-4	13.00	0.414	0.054	-	tr	0.000
						6-5	14.00	0.288	0.036	-	tr	0.000
						6-6	15.00	0.378	0.036	-	tr	0.000
						6-7	16.00	0.144	tr	-	tr	0.000
C ₂₋₃ mt			22.00	Pale greenish gray dense clay Pale greenish gray dense clay w/Fe oxide Redeposited crust of weathering								
			25.00									
			28.00									
			29.00									
	30											
	40											
	50											

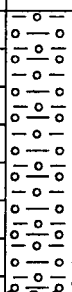




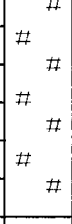

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay								
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Feucosene kg/m ³	Another kg/m ³		
Q _{II-III}	0			Dense loam w/Pebbles									
	10												
	20												
	21.20												
	N _{I-2} ar	30				Light gray dense clay							
		33.80											
		III/36-1	35.00		0.144		0.018	-	tr	1.008			
		36-2	36.00		1.566		0.072	-	tr	0.000			
		36-3	37.00		0.612		0.036	-	tr	0.000			
		36-4	38.20		1.060		0.126	-	tr	0.000			
36-5		39.20	4.320	0.641	-		tr	0.000					
37.70													
C ₂₋₃ mt	39.20			Sandy clay w/ilmenite Poor dust like ilmenite (<1%) Redeposited crust of weathering Redeposited crust of weathering									
	40	#											
	42.00	#											
	42.00												
	40	#											
	42.00	#											
	50												

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay									
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucoxene kg/m ³	Another kg/m ³			
Q _{II-III}	0			Dense loam w/Pebbles										
	10													
	20													
	20.10													
	N _{I-2} ar					Light brwonish gray dense clay								
		28.70												
		30	*				Dark gray dense clay w/Mn oxide							
		30.70	*											
		32.00					Greenish brown dense clay							
		32.90	*				Dark gary dense clay w/Mn oxide							
				Pale greenish gray dense clay										
36.30														
37.60				Brownish gray dense clay										
40		Fe		Greenish gray dense clay w/Mn oxide										
	Fe													
	Fe													
	Fe													
C ₂₋₃ mt	45.70	#		Redeposited crust of weathering										
		#												
	48.00	#			End of the hole									
50														

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³
Q _{II-III}	0			Dense loam w/Pebbles							
	10										
	20										
	25.00										
N _{I-2} ar	30			Pale yellow dense clay partly w/Mn oxide							
	33.50										
	38.00										
	40.10										
	41.40										
C ₂₋₃ mt	40			Brownish gray dense clay							
	41.40										
	45.00										
	50										
				Redeposited crust of weathering							
				End of the hole							
					38.00						
				III/28-1	39.00	0.286	0.016	-	tr	8.496	
				28-2	40.00	0.072	0.036	-	tr	0.684	
				28-3	41.00	0.090	tr	-	tr	0.000	
				28-4	42.00	0.900	0.090	-	tr	0.126	

F	Depth m	Sec	Depth m _t	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucocene kg/m ³	Another kg/m ³
Q _{II-III}	0			Dense loam w/Pebbles							
	7.50										
N _I ² ar	10			Pale greenish gray clay							
	20										
	24.00										
	22.00										
	IX/3-1	23.00				1.872	0.036	-	tr	0.108	
	3-2	24.00				4.104	0.108	-	0.018	0.162	
C ₂₋₃ mt	25.50			Sandy clay w/ilmenite (~1%)							
	27.80										
	3-3	25.50			22.268	0.432	tr	tr	1.368		
	3-4	26.70			30.168	0.450	0.036	tr	1.080		
3-5	27.80		24.768	0.342	tr	tr	0.936				
3-6	29.00		10.638	0.126	tr	tr	0.630				
	29.00			Redeposited crust of weathering							
30											
	40										
	50										

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucorone kg/m ³	Another kg/m ³
Q _{n-III}	0			Dense loam w/Pebbles							
Q _I			8.10								
N _{i-2} ar	10			Pale grenish gray clay							
				Poor dust like ilmenite(<1%)		19.00					
	20		20.10		IX/2-1	20.00	0.648	0.018	-	tr	0.054
C _{2,3} mt		#		Redeposited crust of weathering	2-2	21.00	0.360	0.018	tr	tr	0.018
		#			2-3	22.00	0.072	0.018	-	tr	0.198
		#			2-4	23.00	0.144	tr	-	tr	0.000
		#									
		#	25.00	End of the hole							
	30										
	40										
	50										

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucoxene kg/m ³	Another kg/m ³
Q _{II-III}	0			Dense loam w/Pebbles							
	7.50										
N _{I-2} ar			9.20	Whitish cream dense clay	IX/0-1	7.50	0.576	0.162	tr	0.036	0.576
					0-2	8.50	0.414	0.036	tr	0.036	0.144
	10			Whitish cream dense clay w/Mn oxides	0-3	9.50	0.072	tr	tr	tr	0.000
					0-4	10.50	0.018	tr	-	tr	0.000
C ₂₋₃ mt			12.00	Redeposited crust of weathering							
			19.00		End of the hole						
	20										
	30										
	40										
	50										

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay							
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³	
Q _{II-III}	0		2.50	Dense loam w/Pebbles								
N ₁₋₂ ar	10		14.80	Pale greenish gray dense clay		13.00						
					IV (-12)-1	14.00	0.702	0.036	-	0.018	0.000	
C ₂₋₃ mt	19.00		19.00	Redeposited crust of weathering	(-12)-1	14.80	0.306	0.036	tr	0.018	0.000	
					(-12)-1	16.00	0.144	tr	-	tr	0.000	
					(-12)-1	17.00	0.108	tr	-	tr	0.000	
	20			End of the hole								
	30											
	40											
	50											

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³
Q _{II-III}	0			Dense loam w/Pebbles							
						4.50					
			8.00		IV/8-1	6.00	0.432	0.054	tr	tr	0.432
C _{2,3} mt	10	# # #		Redeposited crust of weathering basalts							
			12.00	End of the hole							
	20										
	30										
	40										
	50										

M J B K E - 2 1 (1:200)
(IV/4)

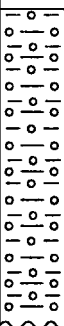
ELEVATION : 487.28m
COORDINATE: N 14,642.688.5 E 5,403.180.7

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay							
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosane kg/m ³	Another kg/m ³	
Q _{II-III}	0			Dense loam w/Pebbles								
	10					13.00						
			15.10			IV/4-1	14.00	0.378	0.018	tr	tr	0.090
						4-2	15.00	0.144	0.018	-	tr	0.036
						4-3	16.00	0.036	tr	-	tr	0.054
C ₂₋₃ mt		#		Redeposited crust of weathering basalts								
		#				4-4	17.00	0.090	tr	-	tr	0.144
		#	18.00			4-5	18.00	0.144	tr	tr	tr	0.072
	20			End of the hole								
	30											
	40											
	50											


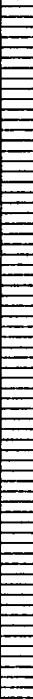

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay							
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucocene kg/m ³	Another kg/m ³	
Q _{II-III}	0			Dense loam w/Pebbles								
C ₂₋₃ mt			7.80	Redeposited crust of weathering basalt								
			8.00									
	10											
	20											
	30											
	40											
50												

M J B K E - 2 3 (1:200)
(V/8)

ELEVATION : 473.86m
COORDINATE: N 14,643.065.3 E 5,402.952.8

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³
Q _{II-III}	0		8.30	Dense loam w/Pebbles							
					4.00						
	V/4-1	5.00			5.724	0.630	-	tr	2.232		
	4-2	6.00			2.394	0.288	tr	tr	1.440		
C ₂₋₃ mt	10	# # # # #	15.00	Redeposited crust of weathering							
				End of the hole							
	20										
	30										
	40										
	50										

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucaxene kg/m ³	Another kg/m ³
Q _{II-III}	0			Dense loam w/Pebbles							
						5.00					
			6.00		V/B-1	6.00	1.620	0.180	tr	tr	2.880
C ₂₋₃ mt		#		Redeposited crust of weathering basalt							
		#			8-2	7.00	2.016	0.090	tr	tr	4.536
	10	#		End of the hole							
		#	12.00								
	20										
	30										
	40										
	50										

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay							
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³	
Q _{II-III}	0		2.00	Dense loam w/Pebbles								
				Greenish gray dense clay								
N _{I-2} ar	19.00					19.00						
	IV/(-16)-1	20.00			0.468	0.018	-	tr	0.036			
	(-16)-2	21.00			2.322	0.126	-	tr	0.054			
	(-16)-3	22.00			8.640	0.666	-	tr	0.054			
	(-16)-4	23.20			20.286	1.350	tr	0.216	0.324			
	(-16)-5	24.50			24.534	1.296	tr	0.198	0.612			
	(-16)-6	25.50			36.432	1.782	tr	tr	0.180			
	(-16)-7	26.50			32.508	1.026	tr	tr	0.144			
	(-16)-8	27.50			0.396	tr	-	tr	0.090			
	(-16)-9	28.50			0.108	tr	-	tr	5.868			
C ₂₋₃ mt	26.50		21.00	Clayey Sand w/ilmenite(1~3%)								
		#		Redeposited crust of weathering								
		#	29.00	End of the hole								
	30											
	40											
	50											

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucoxene kg/m ³	Another kg/m ³
Q _{II-III}	0			Dense loam w/Pebbles							
	5.90										
N _{1,2} ar	10			Yellowish gray dense clay							
	16.50										
C _{2,3} mt	20		20.10	Redeposited crust of weathering basalts							
	27.00										
				End of the hole							
	19.00										
	IV/ (-20)-1	20.00			1.206	0.054	-	tr	0.072		
	(-20)-2	21.00			1.116	0.090	-	tr	0.072		
	(-20)-3	22.00			0.216	tr	-	tr	0.0000		
	(-20)-4	23.00			0.090	tr	-	tr	0.000		

M J B K E - 2 7 (1:200)
(X/4)

ELEVATION : 467.57m
COORDINATE: N 14,641.939.8 E 5,402.232.1


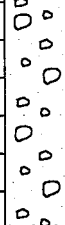
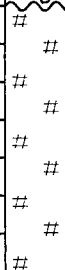











F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucorene kg/m ³	Another kg/m ³
Q _{II-III}	0			Dense loam w/Pebbles							
Q _I				Pebble-gravel deposits w/boulders (max. 4 x 10cm)		3.70					
			5.00		X/4-1	4.70	0.720	0.036	tr	tr	0.936
C _{2-3 mt}			6.00	Redeposited crust of weathering Basalt	4-2	5.50	0.234	tr	tr	tr	0.918
	10										
	20										
	30										
	40										
	50										

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucorene kg/m ³	Another kg/m ³
Q _{II-III} Q _I	0			Dense loam w/Pebbles							
				Pebble-gravel deposits							
C ₂₋₃ mt			9.00								
	10	# #				10.20					
		# #		Redeposited crust of weathering basalts	X1/5-1	11.00	0.414	0.054	-	tr	0.000
		# #			5-2	12.00	0.216	tr	-	tr	0.000
		# #			5-3	13.00	0.252	tr	tr	tr	0.000
			15.50	End of the hole							
	20										
	30										
	40										
	50										

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay										
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucorene kg/m ³	Another kg/m ³				
Q _{II-III}	0			Dense loam w/Pebbles											
				Pebble-gravel deposits											
	9.00														
Q _I	10		10.80	Pale brown dense loam											
N _I ¹⁻² ar			14.10	Greenish gray clayey sand w/ilmenite(~3%)	XI/4-1	12.00	10.674	0.882	-	0.144	0.000				
					4-2	13.00	13.464	1.008	-	0.126	0.000				
					4-3	14.00	30.330	2.124	-	tr	0.000				
					4-4	15.00	1.692	0.288	tr	tr	0.000				
					4-5	16.00	0.198	tr	-	tr	0.000				
C ₂₋₃ mt			20.00	Redeposited crust of weathering											
				End of the hole											
	20														
	30														
	40														
	50														

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³
Q _{II-III}	0			Dense loam w/Pebbles							
				Pebble-gravel deposits							
N _{I-2} ar	9.60			Pale gray sandy clay		9.50					
	11.30			Poor dust like ilmenite(<1%)	X1/3-1	10.80	10.962	0.522	tr	0.072	0.396
				Pale yellowish gray dense clay	3-2	12.00	8.370	0.396	tr	0.036	0.252
	16.00			Poor dust like ilmenite(<1%)	3-3	12.00	0.108	0.036	-	tr	0.000
C ₂₋₃ mt	19.00	#		Redeposited crust of weathering							
		#		End of the hole							
	20										
				Sandy clay w/ilmenite(1~5%)							
				Clayey Sand w/ilmenite(3~5%)							
	30										
	40										
	50										

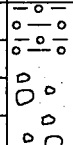
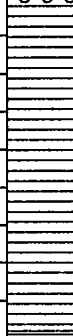
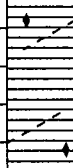
F	Depth m	Sec	Depth m	Geology & Mineralization	Assay											
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³					
Q _{II-III}	0			Dense loam w/Pebbles												
Q _I				Pebble-gravel deposits w/boulders												
N ₁₋₂ ar	10		9.50	Light brownish gray clay		11.00										
			12.00	Redeposited crust of weathering	X1/2-1	12.00	1.530	0.108	tr	tr		0.072				
C ₂₋₃ mt					2-2	13.40	0.162	tr	-	tr		0.000				
					2-3	14.40	0.090	tr	-	tr		0.000				
					2-4	15.40	0.720	0.018	tr	tr		0.072				
			19.00	End of the hole												
	20															
	30															
	40															
	50															

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucopene kg/m ³	Another kg/m ³
Q _{II-III}	0			Dense loam w/Pebbles							
				Pebble-gravel deposits w/boulders (max. 4 x 10cm)							
Q _I			8.00			8.10					
					XI/1-1	9.00	0.648	0.018	-	tr	0.038
C ₂₋₃ mt	10			Redeposited crust of weathering basalt	1-2	10.00	0.072	tr	-	tr	0.000
											
											
											
											
			15.00	End of the hole							
	20										
	30										
	40										
	50										

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucoxene kg/m ³	Another kg/m ³
Q _{II-III}	0			Dense loam w/Pebbles							
				Pebble-gravel deposits w/boulders (max. 4 × 10cm)							
Q _I			8.40			8.40					
			9.30	Poor dust like ilmenite (<1%)	X1/7-1	9.30	10.782	0.612	-	0.072	0.378
N _{I-2} ar			10	Sandy clay w/ilmenite (1~3%)	7-2	10.00	32.022	2.268	-	0.198	0.000
			11.20		7-3	11.00	29.538	1.962	-	0.288	0.000
				Sandy clay w/ilmenite (1~3%) w/Mn oxide, Fe oxide	7-4	11.40	14.958	0.990	-	0.090	0.000
			13.80		7-5	12.60	15.048	1.008	-	0.126	0.000
					7-6	13.70	58.374	2.232	-	tr	0.000
					7-7	15.00	7.074	0.162	-	tr	0.378
C _{2,3} mt				Redeposited crust of weathering	7-8	16.00	0.054	0.018	-	tr	0.000
				22.00	End of the hole						

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³
Q ₀₋₁₀	0			Dense loam w/Pebbles							
				Pebble-gravel deposits							
	10		10.00								
Q ₁			12.50	Pale yellowish brown loam							
			15.50	Pale yellowish green dense clay							
			17.80	Pale gray dense clay w/Fe oxide							
			19.80	Pale gray dense clay							
			25.20	Greenish gray dense clay							
			29.3	Pale gray dense clay w/Fe oxide							
			30.70	Pale gray dense clay							
			29.00		VII/ 36-1	30.00	0.648	0.126	-	tr	0.036
					36-2	30.50	4.410	0.306	-	0.054	0.180
					36-3	31.50	0.108	tr	-	tr	0.000
N ₁₋₂ ar											
C ₂₋₃ mt		#		Redeposited crust of weathering							
		#	34.00	Redeposited crust of weathering							
	40										
	50										

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Feucroxene kg/m ³	Another kg/m ³
Q _{II-III}	0			Dense loam w/Pebbles							
				Pebble-gravel deposits w/boulders (max. 4 × 10cm)							
Q _I			9.00								
			10.10	Pale yellowish broen loam		10.10					
N _{I¹⁻²} -ar	10			Sandy clay w/ilmenite (<1%)	X1/6-2	10.80	6.588	0.047	-	0.054	0.000
			11.50		6-3	11.50	22.266	1.332	-	tr	0.000
C ₂₋₃ mt			14.90	White ~ light gray dense clay							
			15.00	Redeposited crust of weathering							
	20										
	30										
	40										
	50										

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³
Q _{II-III} Q _I	0			Dense loam w/Pebbles							
			4.00	Pebble-gravel deposits							
N ₁₂ ar				Dark greenish gray clay							
			12.80								
			15.00								
			17.80	Sandy clay w/ilmenite (1~3%)	X/3-1	16.00	2.430	0.126	tr	tr	0.090
C ₂₃ mt				Redeposited crust of weathering	3-2	17.00	10.368	0.216	-	tr	2.466
			17.80		3-3	17.80	31.968	1.134	tr	0.198	1.332
			20.00	End of the hole	3-4	19.00	0.198	0.018	tr	tr	0.000
					3-5	20.00	0.072	tr	-	tr	0.234
	20										
	30										
	40										
	50										

M J B K E - 3 7 (1:200)
(X12)

ELEVATION : 469.39m
COORDINATE: N 14,641.566.0 E 5,402.431.1

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³
Q _{II-III} Q ₁	0		2.00	Dense loam w/Pebbles							
			9.00	Dark greenish gray dense clay w/gypsum							
N ₁₋₂ ar	10			Pale yellowish gray clay							
			15.00	Poor dust like ilmenite (<1%)							
			17.00	Redeposited crust of weathering	X/2-1	16.00	1.152	0.054	tr	tr	0.054
			17.00	Redeposited crust of weathering	2-2	17.00	1.422	0.072	tr	0.018	0.072
C ₂₋₃ mt			18.00	Redeposited crust of weathering	2-3	18.00	0.234	tr	-	tr	0.000
			19.00	Redeposited crust of weathering	2-4	19.00	0.288	tr	-	tr	0.000
	20			Redeposited crust of weathering							
			21.00	End of the hole							
	30										
	40										
	50										

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay					
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucokene kg/m ³
Q _{II-III}	0			Dense loam w/Pebbles						
	10			Pebble-gravel deposits w/boulders						
C ₂₋₃ mt	13.00									
	14.00									
	XII/3-1	15.00		0.144	0.036	tr	tr	0.000		
	3-2	16.00		0.072	0.036	tr	tr	0.000		
	20			Redeposited crust of weathering						
	21.00			End of the hole						
	30									
	40									
	50									

M J B K E - 3 9 (1:200)
(XII/1)

ELEVATION : 462.23m
COORDINATE: N 14,641.752.9 E 5,401,280.5

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³
Q _{II-III}	0			Dense loam w/Pebbles							
				Pebble-gravel deposits w/boulders(max.2-8 cm)							
	10										
C ₂₋₃ mt N ₁₋₂ ar			13.10	Calvey sand w/ilmenite(~2%)		13.20					
			14.50	Poor dust like ilmenite(<1%)	X11/1-1	14.00	40.554	1.831	tr	0.378	0.360
			14.80	Redeposited crust of weathering	1-2	14.80	23.832	1.026	tr	0.180	0.270
			15.00								
	20										
	30										
	40										
	50										

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosene kg/m ³	Another kg/m ³
Q _{II-III}	0			Dense loam w/Pebbles							
	10			Pebble-gravel deposits w/boulders							
C ₂₋₃ mt N ₁₋₂ ar			11.00			11.00					
			12.80	Gray dense clay w/Fe oxide	X11/2-1	12.00	2.322	0.108	tr	0.018	0.090
			13.80	Sandy clay w/ilmenite(1~3%)	2-2	12.80	6.300	0.306	tr	0.054	0.108
			14.50	Redeposited crust of weathering	2-3	13.80	33.518	1.530	-	0.126	0.378
					2-4	14.50	5.040	0.108	-	tr	0.054
	20										
	30										
	40										
	50										

F	Depth m	Sec	Depth m	Geology & Mineralization	Assay						
					Sample #	Depth m	Ilmenite kg/m ³	Zircon kg/m ³	Rutile kg/m ³	Reucosane kg/m ³	Another kg/m ³
Q _{II-III} Q _I	0			Dense loam w/Pebbles							
				Pebble-gravel deposits w/boulders							
N _{I¹⁻²} ar			9.50								
	10			Yellowish brown dense clay							
			13.00			13.00					
C ₂₋₃ mt			15.00	Clayey Sand w/ilmenite(3~5%)	XII/4-1	14.00	66.222	1.728	-	0.072	1.530
			18.00	Redeposited crust of weathering	4-2	15.00	56.772	1.710	-	0.072	1.044
				End of the hole							
	20										
	30										
	40										
	50										

Appendix 1-2 Geologic Coordinate of the Drill Holes

Appendix 1-2 Geographic Coordinate of Drillholes

No.	No. of Drillholes		latitude	longitude	elevation
	Kazakhstan	MMAJ			
1	26-6	MJBK-38	48° 43' 45,7958"	82° 50' 4,6571"	464.67
2	26-38	MJBK-39	48° 43' 32,7194"	82° 51' 20,4687"	462.80
3	26-10	MJBK-40	48° 43' 44,2493"	82° 50' 14,3392"	464.12
4	22-42	MJBK-41	48° 43' 15,2022"	82° 51' 23,4449"	461.47
5	22-38	MJBK-42	48° 43' 16,8094"	82° 51' 14,1096"	461.29
6	22-34	MJBK-43	48° 43' 18,1323"	82° 51' 4,3234"	461.19
7	22-10	MJBK-44	48° 43' 28,2481"	82° 50' 8,7650"	462.22
8	22-6	MJBK-45	48° 43' 29,8244"	82° 49' 59,2316"	461.92
9	18-38	MJBK-46	48° 43' 1,0828"	82° 51' 7,6116"	458.92
10	18-34	MJBK-47	48° 43' 2,7220"	82° 50' 58,2780"	459.04
11	18-30	MJBK-48	48°43' 4,3604"	82° 50' 48,9394"	459.00
12	18-26	MJBK-49	48° 43' 5,9999"	82° 50' 39,6056"	459.43
13	18-18	MJBK-50	48° 43' 9,2782"	82° 50' 20,9912"	459.66
14	18-14	MJBK-51	48° 43' 10,8969"	82° 50' 11,8225"	460.35
15	18-10	MJBK-52	48° 43' 12,3989"	82° 50' 2,5907"	460.59
16	26-2	MJBK-53	48° 43' 47,5537"	82° 49' 55,9123"	465.04
17	22-2	MJBK-54	48° 43' 31,6547"	82° 49' 50,0008"	462.97
18	18-6	MJBK-55	48° 43' 14,0912"	82° 49' 53,0818"	460.37
19	2a-4	MJBKS-26	48° 46' 26,1946"	82° 48' 18,0404"	484.94
20	2a-8	MJBKS-27	48° 46' 31,0126"	82° 48' 11,3529"	485.81
21	3r-0	MJBKS-28	48° 46' 12,7622"	82° 48' 10,4102"	484.03
22	3r-8	MJBKS-29	48° 46' 22,4168"	82° 47' 57,0760"	484.80
23	3a-(-4)	MJBKS-30	48° 45' 59,7040"	82° 48' 3,4830"	485.30
24	3a-0	MJBKS-31	48° 46' 4,6064"	82° 47' 56,6893"	483.69
25	3a-4	MJBKS-32	48° 46' 9,3704"	82° 47' 50,1479"	484.37
26	3a-8	MJBKS-33	48° 46' 14,2689"	82° 47' 43,3488"	485.28
27	I-36	MJBKE-1	48° 48' 1,2059"	82° 58' 51,9679"	511.45
28	I-32	MJBKE-2	48° 47' 57,0478"	82° 58' 43,3752"	519.45
29	I-28	MJBKE-3	48° 47' 53,6491"	82° 58' 35,7927"	524.80
30	IV-0	MJBKE-4	48° 45' 51,7045"	82° 56' 21,8661"	483.31
31	IV-(-4)	MJBKE-5	48° 45' 48,9318"	82° 56' 13,4833"	481.02
32	IV-(-8)	MJBKE-6	48° 45' 45,8097"	82° 56' 4,6955"	478.38
33	II-36	MJBKE-7	48° 47' 48,6783"	82° 59' 8,8216"	508.30
34	II-32	MJBKE-8	48° 47' 44,8159"	82° 58' 59,9957"	516.71

Appendix 1-2 Geographic Coordinate of Drillholes

No.	No. of Drillholes		latitude	longitude	elevation
	Kazakhstan	MMAJ			
35	II-28	MJBKE-9	48° 47' 41,0054"	82° 58' 51,9072"	519.56
36	II-12	MJBKE-10	48° 47' 24,9912"	82° 58' 22,9563"	539.66
37	II-8	MJBKE-11	48° 47' 21,5093"	82° 58' 14,5394"	539.62
38	IX-4	MJBKE-12	48° 46' 3,2575"	82° 56' 45,1823"	486.30
39	III-36	MJBKE-13	48° 47' 36,5799"	82° 59' 25,1509"	504.10
40	III-32	MJBKE-14	48° 47' 32,8993"	82° 59' 17,0675"	510.20
41	III-28	MJBKE-15	48° 47' 29,2908"	82° 59' 8,5462"	511.94
42	IX-3	MJBKE-16	48° 46' 6,1272"	82° 56' 36,2818"	487.14
43	IX-2	MJBKE-17	48° 46' 8,9320"	82° 56' 27,3784"	488.64
44	IX-0	MJBKE-18	48° 46' 11,5408"	82° 56' 18,5652"	492.61
45	IV-(-12)	MJBKE-19	48° 45' 39,3447"	82° 56' 4,1043"	476.87
46	IV-8	MJBKE-20	48° 45' 57,8956"	82° 56' 38,7065"	484.77
47	IV-4	MJBKE-21	48° 45' 54,9606"	82° 56' 30,3658"	487.28
48	V-12	MJBKE-22	48° 45' 52,7888"	82° 56' 53,5437"	477.10
49	V-8	MJBKE-23	48° 45' 47,2727"	82° 56' 48,5312"	473.86
50	V-4	MJBKE-24	48° 45' 41,8852"	82° 56' 43,5729"	476.43
51	IV-(-16)	MJBKE-25	48° 45' 42,5768"	82° 55' 54,7775"	476.85
52	IV-(-20)	MJBKE-26	48° 45' 45,7198"	82° 55' 44,9572"	477.64
53	X-4	MJBKE-27	48° 45' 24,8733"	82° 55' 52,5315"	467.57
54	XI-5	MJBKE-28	48° 45' 7,7086"	82° 55' 52,9015"	463.32
55	XI-4	MJBKE-29	48° 45' 10,6865"	82° 55' 43,2726"	464.08
56	XI-3	MJBKE-30	48° 45' 13,5913"	82° 55' 34,1302"	464.46
57	XI-2	MJBKE-31	48° 45' 16,3963"	82° 55' 25,1305"	464.90
58	XI-1	MJBKE-32	48° 45' 19,3331"	82° 55' 15,9888"	464.42
59	XI-7	MJBKE-33	48° 45' 9,1785"	82° 55' 48,2577"	463.07
60	VII-36	MJBKE-34	48° 47' 6,3317"	82° 59' 48,2052"	492.28
61	XI-6	MJBKE-35	48° 45' 12,1538"	82° 55' 38,7754"	464.23
62	X-3	MJBKE-36	48° 45' 28,5158"	82° 55' 43,8085"	467.75
63	X-2	MJBKE-37	48° 45' 31,6180"	82° 55' 34,4769"	469.39
64	XII-3	MJBKE-38	48° 44' 51,5006"	82° 55' 50,2730"	461.93
65	XII-1	MJBKE-39	48° 44' 54,2258"	82° 55' 42,2018"	462.23
66	XII-2	MJBKE-40	48° 44' 56,9524"	82° 55' 34,0325"	463.28
67	XII-4	MJBKE-41	48° 44' 59,9193"	82° 55' 25,0398"	463.63