

Table 3.1a

E. B. A. BISDOM - Leidse Geologische Mededelingen deel 37

Sample nr.	A ₁ <2	A ₁ 2-50	A ₂ <2	A ₂ 2-50	A ₃ <2	A ₃ 2-50	A ₄ <2	A ₄ 2-50	B ₁₀ 2-50	C ₁₆ 2-50	C ₁₈ 2-50
Fraction in μ	225, 258, 259, 260, 261	226, 262, 263	227	228	291	292	293	294	217B	176	178
Diffrr.nr.											
Material	joint in saprolite		saprolite		A-horizon	paleosol	B-horizon	paleosol	estuarine terrace	saprolite	saprolite
Depth in m.	4.25-4.45	4.25-4.45	4.00-4.25	4.00-4.25	0.60-0.75	0.60-0.75	1.15-1.20	1.15-1.20	1.47-1.64	2.30-2.46	2.77-3.05
Kaolinite		+++ possibly	+++	++	+++ and/or +++	+++	++	++	+++ (good crystallized)		+++
Metahalloysite	++	+++	+++	++			++	++		+++	
Gibbsite					+		+			tr.	
Micas							++	++	+		
Muscovite (>2 μ)	+++				++(2M ₁ and M)		++	++	+		
Illite (<2 μ)			+					possibly			
Biotite	+++										
Vermiculite	+++			+	..			possibly			
Montmorillonite	+++										
Palygorskite											
Sepiolite											
Mixed-layer minerals	..	..	+	..	..(21 \AA)	+	+	+ (45 \AA , 34 \AA , 29 \AA)		possibly	
Siderite											
Quarts	tr.	+++	.	+	.. (plag.)	+++	+	++	+		+
Feldspars						tr.	tr.				
Microline	.	..						++			
Plagioclase	..	..			++(albite)			+ (anorthite)			
Goethite											
Other components											

+++ = abundant

++ = moderate

+ = some

.. = little

. = very little

tr. = trace

(p) = treated with peroxide

Table 3.1b

E. B. A. BISDOM - Leidse Geologische Mededelingen deel 37

Sample nr.	D ₁	D ₁	D ₁ (p)	D ₁ (p)	D ₂	D ₂	E ₁ (p)	E ₁ (p)	E ₂ (p)	E ₂ (p)	E ₃	E ₃	E ₄	E ₄
Fraction in μ	<2	2-50	<2	2-50	<2	2-50	<2	2-50	<2	2-50	<2	2-50	<2	2-50
Diff'r.nr.	250,265	251	295	296,311, 312,313	240	241,268, 269	297	298,314, 315,316	299	300	242,270, 271	243,272, 273,274	244,275 276,277	245,256, 278,279
Material	A-soil horizon		A-soil horizon		B-soil horizon		A-soil horizon		B-soil horizon		C-soil horizon		D-soil horizon	
Depth in m.	0.10-0.25	0.10-0.25	0.10-0.25	0.10-0.25	0.45-0.58	0.45-0.58	0.00-0.09	0.00-0.09	0.25-0.32	0.25-0.32	0.51-0.59	0.51-0.59	0.90-1.00	0.90-1.00
Kaolinite	+	++	+	++	++	++	++	++	++	++	++	++	++	+++(possibly)
Metahalloysite	++	+	++	+	++	++	++	and/or ++	++	++	++	++	++	+++
Gibbsite	+	none	+	.	.	..	++	+	..	..	..	..	+	+
Micas	..		.											
Muscovite (>2 μ)														+
Illite (>2 μ)		..			..(2M ₁)		..							
Biotite					..	..	..							+
Vermiculite	++	+	++	++	++	++	++	++	++	++	++	++	+++	+++
Montmorillonite														
Palygorskite														
Sepiolite														
Mixed-layer minerals	..	..	+	.	+	.	..	..(37\text{\AA})	+	..	..	..	..	..
											with mica component			
Siderite														
Quartz	+	++	..	++	+	+	tr.	++	tr.	++	tr.	++	+	++
Feldspars									tr.	++				
Microcline					+	tr.	..						..
Plagioclase	++	++			++	tr.	++		++			++		++
Goethite														
Other components	Fe-bearing amorph mat.+++		Fe-bearing amorph mat.+++											

+++ = abundant

++ = moderate

.. = little

. = very little

tr. = trace

(p) = treated with peroxide

Table 3.1c

E. B. A. BISDOM - Leidse Geologische Mededelingen deel 37

Sample nr.	H ₂ 2	H ₂ 2-50	H ₂ (p) <2	H ₂ (p) 2-50	H ₃ <2	H ₃ 2-50	H ₄ <2	H ₄ 2-50	K ₅ 2-50 174,175, 283,284 177,184,185, 186,187	L ₁₀ 2-50	L ₁₃ 2-50	P ₄ 2-50	S ₃ 2-50	2-64a <2	2-64a 2-50	2-64b <2	2-64b 2-50
Fraction in μ	252	253	301	302	246	247	248,280	249	218,281,282	174,175, 283,284	219	220	224,264	222	113	221	
Material	A-soil	horizon	A-soil horizon	B-soil horizon	C-soil horizon	amphibolite saprolite 0.64-0.81	saprolite	schist saprolite	estuarine terrace	schist saprolite	joint in	bedrock	joint in bedrock	bedrock	joint in bedrock	bedrock	
Depth in m.	1.05-1.20	1.05-1.20	1.05-1.20	1.05-1.20	1.55-1.65	1.55-1.65	1.70-1.75	1.70-1.75	1.60-1.76	1.10-1.26	0.71-0.94	2.60-2.76	4.80-4.90	4.80-4.90	4.80-4.90	4.80-4.90	
Kaolinite	++ and/or	++ and/or	++ and/or	++	++	+++	+++	+++		+++	+++	+++					
Metahalloysite	++	++	present														
Gibbsite	..			..	+	+	++	+	tr.	+						tr. (possibly 2M)
Micas						++										+	
Muscovite (>2 μ)	++			++													
Illite (<2 μ)	+		present		+		.										
Biotite					++			++									
Vermiculite	..			..			.	.		possibly					++	+
Montmorillonite										possibly							
Palygorskite										possibly						possibly	
Sepiolite										possibly							
Mixed-layer minerals	+	..	present	..(23 \AA)	..				++(illite-possibly montmorillonite or vermiculite component)		+ not determinable				+++ (10,2 \AA) (possibly vermiculite-mica(micadominant))	+++(10,2 \AA)	+++(10,6 \AA)
Siderite																..	
Quartz	++	+++	present	+++	++	+++	.	+++	tr.	+	+	++	..	+	tr.	..	
Feldspars	..				tr.		tr.			..(micr.)	+				tr.	..	
Microcline	..					..							..		+++	..
Plagioclase	+++			+++		.			+							..	
Goethite																	
Other components			amorph mat.												4,12 \AA peak	..7 \AA	

+++ = abundant

++ = moderate

+ = some

.. = little

. = very little

tr. = trace

(p) = treated with peroxide

TABLE 4