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FIELD LEGEND FOR MINERAL SOILS

1	=	Parent Material
2	=	Dominant Textural Class (0 – 25, 25 - 50, 50 - 75, 75 – 100 cm)
3	=	Profile Development (Endopedon)
4	=	Dominant Soil Colour (below A horizon or plough sole)
5	=	Drainage Class
6	=	Pedological Feature
7	=	Slope Class
8	=	Soil Series

Symbol 1 : Parent Material	
G	Granite, Adamellite, Syenite, Microgranite, Gneiss
R	Rhyolite, Rhyolitic Tuff, Rhyodacite, Trachyte
D	Diorite, Granodiorite, Dacite, Dacitic, Tuff, Quartz Andesite
B	Andesite, Basalt, Andesitic Tuffs, Gabbro, Norite, Basic Tuff, Serpentine, Biotite, Schist, Dunnite, Amphibolite
Q	Conglomerate, Quartzite, Sandstone and Other Predominantly Arenaceous Rocks
S	Shales, Slates, Mudstone, Phyllites, Siltstone, Quartz Mica Schist and Other Argillaceous Rocks
L	Limestone, Dolomite and Other Calcareous Rocks
P	Reworked Material (Sol Remanie) P, P ₃ and P ₂
T	River Alluvial (Very Recent, T ₀), (recent, T ₁), (Sub-recent, T ₂) and (Older Alluvial, t ₃)
C	Colluvial Deposits
A	Beach Ridge and Related Deposits
E	Marine, Brackish Water and Estuarine Deposits
O	Organic Soil Deposits
H	Human Influence (Urban and Mining)
Others :	

Symbol 6 : Pedological Feature					
Depth					
1	0 – 25 cm				
2	25 – 50 cm				
3	50 – 75 cm				
4	75 – 100 cm				
5	100 – 125 cm				
6	> 125 cm				
Type		Percentage (%)			
		5-35	35-60	60-80	>80
A	Saprolite	A			
B	Buried Horizon	B			
S	Spodic Horizon	S			
F	Sulfidic Material	F			
T	Sulfuric Horizon	T			
C	Iron-coated/ laterised PM	C1	C2	C3	C4
L	Lateritic Stones / Gravels (Petroplinthite)	L1	L2	L3	L4
P	Plinthite	P1	P2	P3	P4
W	Pebbles / Stones	W1	W2	W3	W4
R	Rock fragments / boulders	R1	R2	R3	R4
V	Vein Quartz	V1	V2	V3	V4
Q	Quartz	Q1	Q2	Q3	Q4
Br	Bedrock	Br			
Cd	Compacted layer	Cd			
Tr	Terric horizon	Tr			
Wd	Woodiness	Wd			
Cv	Clay masive	Cv			

Symbol 2 : Dominant Textural Class (0-25, 25-50, 50-75, 75-100 cm)	
O	Organic
H	Heavy Clay
C	Clay and Sandy Clay
T	Silty Clay
M	Sandy Clay Loam
N	Loam
L	Clay Loam
I	Silty Clay Loam, Silt, Silt Loam
A	Sandy Loam
S	Loamy Sand, Sand
Subscript For Textural Classes	
c	Coarse Sand
m	Medium Sand
f	Fine Sand
i	Fibric Soil Material (*for Organic)
e	Hemic Soil Material (*for Organic)
a	Sapric Soil Material (*for Organic)

Symbol 5 : Drainage Class	
0	Very Poorly drained
1	Somewhat Very Poor drained
2	Poorly drained
3	Somewhat Poorly drained
4	Imperfectly drained
5	Somewhat imperfectly drained
6	Moderately Well drained
7	Well drained
8	Somewhat Excessive drained
9	Excessively drained

Symbol 7 : Slope Class	
C1	Level or nearly level (0 -2 ⁰)
C2	Undulating (2 – 6 ⁰)
C3	Rolling (6 – 12 ⁰)
C4	Hilly (12 – 20 ⁰)
C5	Very Hilly (20 - 25 ⁰)
C6	Steep (25 – 30 ⁰)
C7	Very Steep (>30 ⁰)

Symbol 8 : Soil Series	
Keys To Identification of Soil Series in Peninsular Malaysia	

Symbol 3: Profile Development (Endopedon)	
H	Histic horizon
S	Spodic horizon
O	Oxic Horizon
V	Vertic Properties
M	Mollic epipedon
A	Argillic Horizon
T	Sulfuric (Thionic) Horizon
C	Cambic Horizon
E	Albic Horizon
F	Sulfidic materials
U	No diagnostic horizon / property
K	Kandic horizon

Symbol 4 : Dominant Soil Colour (below A horizon or plough sole)		
Hue		Value / chroma
10R		2.5/1, 2.5/2, 3/1, 3/2, 3/3, 3/4, 3/6, 4/1, 4/2, 4/3, 4/4, 4/6, 4/8, 5/1, 5/2, 5/3, 5/4, 5/6, 5/8, 6/1, 6/2, 6/3, 6/4, 6/6, 6/8, 7/1, 7/2, 7/3, 7/4, 7/6, 7/8, 8/1, 8/2, 8/3, 8/4
		2.5/1, 2.5/2, 2.5/3, 2.5/4, 3/1, 3/2, 3/3, 3/4, 3/6, 4/1, 4/2, 4/3, 4/4, 4/6, 4/8, 5/1, 5/2, 5/3, 5/4, 5/6, 5/8, 6/1, 6/2, 6/3, 6/4, 6/6, 6/8, 7/1, 7/2, 7/3, 7/4, 7/6, 7/8, 8/1, 8/2, 8/3, 8/4
2.5YR		2.5/1, 2.5/2, 2.5/3, 2.5/4, 3/1, 3/2, 3/3, 3/4, 3/6, 4/1, 4/2, 4/3, 4/4, 4/6, 4/8, 5/1, 5/2, 5/3, 5/4, 5/6, 5/8, 6/1, 6/2, 6/3, 6/4, 6/6, 6/8, 7/1, 7/2, 7/3, 7/4, 7/6, 7/8, 8/1, 8/2, 8/3, 8/4
5YR		2.5/1, 2.5/2, 3/1, 3/2, 3/3, 3/4, 4/1, 4/2, 4/3, 4/4, 4/6, 5/1, 5/2, 5/3, 5/4, 5/6, 5/8, 6/1, 6/2, 6/3, 6/4, 6/6, 6/8, 7/1, 7/2, 7/3, 7/4, 7/6, 7/8, 8/1, 8/2, 8/3, 8/4, 8/6
7.5YR		2.5/1, 2.5/2, 2.5/3, 3/1, 3/2, 3/3, 3/4, 4/1, 4/2, 4/3, 4/4, 4/6, 5/1, 5/2, 5/3, 5/4, 5/6, 5/8, 6/1, 6/2, 6/3, 6/4, 6/6, 6/8, 7/1, 7/2, 7/3, 7/4, 7/6, 7/8, 8/1, 8/2, 8/3, 8/4, 8/6
10YR		2/1, 2/2, 3/1, 3/2, 3/3, 3/4, 3/6, 4/1, 4/2, 4/3, 4/4, 4/6, 5/1, 5/2, 5/3, 5/4, 5/6, 5/8, 6/1, 6/2, 6/3, 6/4, 6/6, 6/8, 7/1, 7/2, 7/3, 7/4, 7/6, 7/8, 8/1, 8/2, 8/3, 8/4, 8/6, 8/8
2.5Y		2.5/1, 3/1, 3/2, 3/3, 4/1, 4/2, 4/3, 4/4, 5/1, 5/2, 5/3, 5/4, 5/6, 6/1, 6/2, 6/3, 6/4, 6/6, 6/8, 7/1, 7/2, 7/3, 7/4, 7/6, 7/8, 8/1, 8/2, 8/3, 8/4, 8/6, 8/8
5Y		2.5/1, 2.5/2, 3/1, 3/2, 4/1, 4/2, 4/3, 4/4, 5/1, 5/2, 5/3, 5/4, 5/6, 6/1, 6/2, 6/3, 6/4, 6/6, 6/8, 7/1, 7/2, 7/3, 7/4, 7/6, 7/8, 8/1, 8/2, 8/3, 8/4, 8/6, 8/8
Gley 1	N	2.5/ 3/ 4/ 5/ 6/ 7/ 8/
	10Y	2.5/1, 3/1, 4/1, 5/1, 6/1, 7/1, 8/1
	5GY	
	10GY	
	5G	2.5/1, 2.5/2, 3/1, 3/2, 4/1, 4/2, 5/1, 5/2, 6/1, 6/2, 7/1, 7/2, 8/1, 8/2
Gley 2	10G	2.5/1, 3/1, 4/1, 5/1, 6/1, 7/1, 8/1
	5GB	
	10GB	
	5B	
	10B	
	5PB	

S – Cf, Cf, C, C – A – 10YR 5/8

EXAMPLE: _____

7 – 4A – C4 – Kbg