

C. Suite chart - Legend of soil mapping units arranged by parent materials and in genetic group sequences

GENETIC SOIL GROUP	SUBGROUP	WHAKA SUITE (S1)			PUHOI SUITE (S2)			OMANAIA SUITE (S3)			WAIOTIRA SUITE (S4)			OMU SUITE (S5)			PURUA SUITE (S6)			MARUA SUITE (S7)			OMAIKO SUITE (S8)			MAUNGAREI SUITE (S9)			WHAREORA SUITE (S10)			GENETIC SOIL GROUP	SUBGROUP	PINAKI SUITE (S14)		
		Soil Symbol	Soil Name	Set No.	Soil Symbol	Soil Name	Set No.	Soil Symbol	Soil Name	Set No.	Soil Symbol	Soil Name	Set No.	Soil Symbol	Soil Name	Set No.	Soil Symbol	Soil Name	Set No.	Soil Symbol	Soil Name	Set No.	Soil Symbol	Soil Name	Set No.	Soil Symbol	Soil Name	Set No.	Soil Symbol	Soil Name	Set No.					
RECENT SOILS	Weakly to moderately leached	WBH	WB	Whaka cy l.	30	ANS	Atanui std. ss. cy l.	117g	WNH	WN	Whirinaki cy l.	30b, c	TFH	TF	Te Tio cy l.	30																				
		PBH	PB	Puhoi cy l.	27	ONH	ON	Omanai cy l.	27d																											
		PBUH	PBU	Puhoi lt br. cy l.	27	ONE	ONe	Omanai cy l.w. cs. -struct. subst.	27d																											
		TMH	TM	Taumata cy l.	31																															
		WRH	WR	Whangaripo cy l.	34	AEH	AE	Autea cy l. & st. cy l.	31a, b	WCS	WC	White Cone std. ss. s. cy l.	117g	OMH	OM	Omu cy l.	30a	TLS	TLS	Tautoro std. ss. cy l.	pt 130d	TRH	TR	Te Ranga std. ss. cy l. & st. cy l.	122b	TKH	TK	Tikitohe grav. si. l.	35							
		WRH	WR	Whangaripo cy l.	34	AeH	Ae	Autea cy	31a, b	YCH	YC	Waioira grav. s. l.	27a	APH	AP	Aponga cy	33a	PU	PU	Puna s. l.	31a	TRUS	TRUS	Te Ranga std. ss. lt. br. cy l. & st. cy l.	122b	TYH	TY	Tikitohe red. grav. si. l.	35							
EARTHS & RELATED STEEPLAND SOILS	Moderately to strongly leached																																			
		RV	RV	Rockvale cy	37	MXH	MX	Mount Rex cy	40	KWH	KW	Kapowainu cy & st. cy l.	pt 46b	RPH	RP	Riponui cy & st. cy l.	44b	MA	MA	Mata br. cy	40															
PODZOLISED YELLOW-BROWN EARTHS	Moderately podzolised																																			
		RVe	RVe	Rockvale cy w. cs. - struct. subst.	37	WAH	WA	Warkworth cy & s. cy l.	39a	YR	YR	Waikato s. l.	38a	RAH	RA	Rangiora cy l. & st. cy l.	41																			
PODZOLS	Moderately podzolised																																			
		WKT	WKT	Wharekohe f.s. l.	47a	MVH	MV	Mahurangi f.s. l.	pt 45	HWH	HW	Hurewai f.s. l.	pt 46b	PDH	PD	Puketitoti s. l.	pt 45	YKH	YK	Waikare s. l.	pt 45	OCH	OC	Otagoroa cy & s. cy l.	46c											
PODZOLS	Moderately podzolised																																			
		WKTp	WKTp	Wharekohe f.s. l. w. pan	47a	MVH	MV	Mahurangi f.s. l.	pt 45	HWH	HW	Hurewai f.s. l.	pt 46b	PDH	PD	Puketitoti s. l.	pt 45	YKH	YK	Waikare s. l.	pt 45	OCH	OC	Otagoroa cy & s. cy l.	46c											

ABBREVIATIONS

b.l.d.	boulders.	mot. l.	mottled
b.d.	bouldery.	p.	part
br.	brown (-ish)	pt	peat (-y)
comp.	compact	red.	reddish
cs.	coarse	s.	sand (-y)
cx	complex	sh.	shallow
cl	clay	sl.	silt (-y)
d	dark	st.	stony
d1	dark	std	steep
fr.	friable	struct.	structured
g.	grey	subst.	subsoil
grav.	gravely	v.	very
l.	loam (-y)	var.	variant
la.	large	w.	wet
lt	light	yel.	yellow

* The soil set numbers are those of NZ Soil Bureau Bulletin 5 (Soils of North Island, 1954) with which each soil is correlated; where numbers are underlined the correlation is uncertain. Where numbers are prefixed by "pt" (part) the soil in some cases has been subdivided in this presentation from a more complex unit in previous legends while in others the areas have been resurveyed (e.g. the large area of 46b Hukerenui silt loam near North Cape is now subdivided into various combinations of Kapowainu, Hurewai and Te Hapua soils, so 46b is given as their correlative).

** Most of the suites in this chart are what may be termed "coarse suites" that include a considerable range of parent materials which could be further separated into finer (purer) suites for detailed studies. For example, in Waiotira suite (S4) Puketitoti and Pukekainga soils are commonly formed from glauconitic sandstone (greensandstone). However, geological and pedological complexity and the scale of mapping have resulted in map units which cannot delineate occurrences of narrowly defined rock and soil types accurately.

+ For Haunga complex (C5), Onetai complex (C8) and Waimamaku bouldery complex (C9) the dominant series of each is in Te Kie suite (S16) while other series as yet unnamed are in S17, 18, 2(Haunga), S18, 5(Onetai) and S18, 5(Waimamaku), Kaimaro clays (KC, KC*) in Kaimaro suite of earlier legends have been changed to Waimatenui-Omu complex (YN-OM, YNH-OMH), Waimatenui clay being a member of Te Kie suite (S16) and Omu clay loam of Omu suite (S5).

These legends and suite chart have been compiled by the staff of New Zealand Soil Bureau, DSIR, 1978-1982.

A general account of the soils of Northland is given in "Soils of Northland" by H.S. Gibbs, published as a chapter in "National Resources Survey Part III - Northland Region" by the Town and Country Planning Branch, Ministry of Works and Development, 1964. Copies of the text of this chapter can be obtained from the Director, Soil Bureau, D.S.I.R., Private Bag, Lower Hutt.

More detailed information on individual soils is available from Soil Bureau at the above address or from Soil Bureau District Offices at Auckland (C/- Mt Albert Research Centre) or Hamilton (C/- Ruakura Agricultural Research Centre).