

EXTENDED LEGEND OF THE SOIL MAP OF PART TAHERI UPLANDS, OTAGO, NEW ZEALAND: SUMMARY OF SOIL AND AGRICULTURAL PROPERTIES OF SOIL MAPPING UNITS

For explanation of reference marks 1-12 see accompanying Explanatory Notes

REFERENCE SYMBOL	SOIL NAME	SOIL CLASS		PARENT MATERIAL	VEGETATION NATIVE AND PRESENT <sup>4</sup>	TOPOGRAPHY <sup>5</sup> : ELEVATION ABOVE SEA LEVEL	MEAN ANNUAL RAINFALL AND TEMPERATURE	BRIEF DESCRIPTION OF REPRESENTATIVE SOIL PROFILE <sup>6</sup>	NATURAL NITRIFER STATUS <sup>7</sup>	PRESENT USES <sup>8</sup>	CARRYING CAPACITY (E/E/acre)		POTENTIAL USES <sup>9</sup>	PASTURE RESPONSE TO TOPDRESSING <sup>11</sup>	SOIL EROSION	NOTES	AREA <sup>12</sup> in hectares (ha) and acres (a)	REFERENCE SYMBOL
		Common Name <sup>1</sup> : Soil Set <sup>2</sup>	Technical Name <sup>3</sup>								Present	Potential						
SOILS ON ROLLING, HILLY, AND STEEP LAND	YELLOW-GREY EARTH <sup>10</sup> AND RELATED STEEP LAND OOKA silt loam	Subgroup: yellow-grey earths; 23H	Moderately entriched, mite pale soils with moderately developed fragipan	Thick schist loess	Hard tussock, now cattle; used	Eggy, rolling to rolling slopes (15-300 ft) (50-1,000 ft)	640-700 mm (25-27.5 in) (47-5-30")	15 cm (6 in) dark greyish brown silt loam; friable; moderate nut structure; pale yellowish brown silt loam; firm; coarse prismatic structure; abundant brown nodules; some with widely spaced gammatie cracks; many nodules, many concretions	Medium	Semi-extensive sheep and cattle farming; intensive sheep and dairy farming; feed crops, cash crops	3	6	Intensive sheep farming; feed crops, cash crops (dairy); commercial and forestry; site class I, III	L, P, S, Mo S × P, Mo P × Mo slight slight slight slight good good	Slight sheet	Lambs have responded to doses of selenium; clover inoculation is required	700 ha (1,720 a)	O
		Subgroup: yellow-grey earths; 23H	Moderately entriched, mite pale soils with moderately developed fragipan	Thin loess over schist and greywacke gravels	Hard tussock, some snow grass and spear grass	Flat to gently undulating (60-1,000 ft)	510 mm (20 in) (48-5")	15 cm (6 in) dark greyish brown silt loam; friable; weak nut structure; fine granular to nut structure; many small stones, on schist	Low	Very extensive and extensive sheep and cattle farming	0-75	2-5	Semi-extensive sheep and cattle farming; commercial and forestry; site class II, III	L, P, S, Mo P × S, Mo P × Mo slight good good slight	Sheet and gully, where gully in pasture	Deep profiles also occur	390 ha (930 a)	HH
S	Stream fine sandy loam	Subgroup: yellow-grey earths; 6b	Weakly entriched sub-gammatie pale soils	Thin loess over schist and greywacke gravels	Hard tussock, some snow grass and spear grass	Flat to gently undulating (60-1,000 ft)	510 mm (20 in) (48-5")	15 cm (6 in) dark greyish brown silt loam; friable; moderate nut structure; pale yellowish brown silt loam; firm; coarse prismatic structure; abundant brown nodules; some with widely spaced gammatie cracks; many nodules, many concretions	Medium	Very extensive and extensive sheep and cattle farming	0-75	2-5	Semi-extensive sheep and cattle farming; commercial and forestry; site class II, III	L, P, S, Mo P × S, Mo P × Mo slight good good slight	Wind, where cultivated	Occurs only in complexes with Kieroa, Matare and Pukerangi monted silt loams	30 ha (80 a)	S
		Subgroup: yellow-grey earths; 22c	Moderately entriched sub-gammatie pale soils with weakly developed fragipan	Loess seldom thicker than 0.9 m (3 ft) over schist	Hard tussock, now with some browntop and sweet vernal	Easy rolling to rolling slopes (750-1,650 ft)	560-670 mm (22-26 in) (46-48-5")	23 cm (9 in) dark greyish brown silt loam; friable; moderate fine nut structure; heavy silt loam; firm to very firm; on transition horizon to schist	Medium	Very extensive sheep and cattle farming; and feed crops	0-75	2-5	Extensive and semi-extensive sheep and cattle farming; and feed crops	P, S, Mo S × P, Mo P × Mo good very good slight	Wind and sheet	Occurs widely in complexes with Aotia, Kieroa, and Matare soils	90 ha (220 a)	Pg
P	Pukerangi silt loam	Subgroup: yellow-grey earths; 22c	Moderately entriched sub-gammatie pale soils with weakly developed fragipan	Loess seldom thicker than 0.9 m (3 ft) over schist	Hard tussock, now with some browntop and sweet vernal	Easy rolling to rolling slopes (750-1,650 ft)	560-670 mm (22-26 in) (46-48-5")	23 cm (9 in) dark greyish brown silt loam; friable; moderate fine nut structure; heavy silt loam; firm to very firm; on transition horizon to schist	Medium	Very extensive sheep and cattle farming; and feed crops	0-75	2-5	Extensive and semi-extensive sheep and cattle farming; and feed crops	P, S, Mo S × P, Mo P × Mo good very good slight	Wind and sheet	Occurs only in complexes with Aotia, Kieroa, and Matare soils	90 ha (220 a)	Pg
		Subgroup: yellow-grey earths; 22c	Moderately entriched sub-gammatie pale soils with weakly developed fragipan	Loess seldom thicker than 0.9 m (3 ft) over schist	Hard tussock, now with some browntop and sweet vernal	Easy rolling to rolling slopes (750-1,650 ft)	560-670 mm (22-26 in) (46-48-5")	23 cm (9 in) dark greyish brown silt loam; friable; moderate fine nut structure; heavy silt loam; firm to very firm; on transition horizon to schist	Medium	Very extensive sheep and cattle farming; and feed crops	0-75	2-5	Extensive and semi-extensive sheep and cattle farming; and feed crops	P, S, Mo S × P, Mo P × Mo good very good slight	Wind and sheet	Occurs only in complexes with Aotia, Kieroa, and Matare soils	90 ha (220 a)	Pg
M	Matare fine sandy loam	Weakly entriched sub-gammatie pale soils, thin phase	Weakly entriched, sub-gammatie pale soils, thin phase	Thin loess overlying schist	Hard tussock, matigrass, now browntop and sweet vernal	Rolling slopes (600-1,150 ft)	510-640 mm (20-25 in) (47-5-30")	13 cm (5 in) dark greyish brown fine sandy silt loam; friable; weak fine nut structure; heavy silt loam; very firm; on weathered schist	Medium	Very extensive sheep farming	0-1	1	Extensive sheep, semi-extensive sheep and cattle farming; farm forestry; site class III	P, S, Mo S × P, Mo P × Mo very good good slight	Sheet	Profiles shallow, seldom deeper than 25 cm; lots of rock outcrops and ferns ponded to doses of selenium	1,200 ha (3,000 a)	M
		Similar to Matare fine sandy loam, except where noted	Similar to Matare fine sandy loam, except where noted	Thin loess overlying schist	Hard tussock, matigrass, now browntop and sweet vernal	Rolling slopes (600-1,150 ft)	510-640 mm (20-25 in) (47-5-30")	13 cm (5 in) dark greyish brown fine sandy silt loam; friable; weak fine nut structure; heavy silt loam; very firm; on weathered schist	Medium	Very extensive sheep farming	0-1	1	Extensive sheep, semi-extensive sheep and cattle farming; farm forestry; site class III	P, S, Mo S × P, Mo P × Mo very good good slight	Sheet	Profiles shallow, seldom deeper than 25 cm; lots of rock outcrops and ferns ponded to doses of selenium	1,200 ha (3,000 a)	M
Me	Matare fine sandy loam, easy rolling phase	Similar to Matare fine sandy loam, except where noted	Similar to Matare fine sandy loam, except where noted	Thin loess overlying schist	Hard tussock, matigrass, now browntop and sweet vernal	Rolling slopes (600-1,150 ft)	510-640 mm (20-25 in) (47-5-30")	13 cm (5 in) dark greyish brown fine sandy silt loam; friable; weak fine nut structure; heavy silt loam; very firm; on weathered schist	Medium	Very extensive sheep farming	0-1	1	Extensive sheep, semi-extensive sheep and cattle farming; farm forestry; site class III	P, S, Mo S × P, Mo P × Mo very good good slight	Sheet	Profiles shallow, seldom deeper than 25 cm; lots of rock outcrops and ferns ponded to doses of selenium	1,200 ha (3,000 a)	M
		Similar to Matare fine sandy loam, except where noted	Similar to Matare fine sandy loam, except where noted	Thin loess overlying schist	Hard tussock, matigrass, now browntop and sweet vernal	Rolling slopes (600-1,150 ft)	510-640 mm (20-25 in) (47-5-30")	13 cm (5 in) dark greyish brown fine sandy silt loam; friable; weak fine nut structure; heavy silt loam; very firm; on weathered schist	Medium	Very extensive sheep farming	0-1	1	Extensive sheep, semi-extensive sheep and cattle farming; farm forestry; site class III	P, S, Mo S × P, Mo P × Mo very good good slight	Sheet	Profiles shallow, seldom deeper than 25 cm; lots of rock outcrops and ferns ponded to doses of selenium	1,200 ha (3,000 a)	M
MH	Matare hill soils	Similar to Matare fine sandy loam, except where noted	Similar to Matare fine sandy loam, except where noted	Thin loess overlying schist	Hard tussock, matigrass, now browntop and sweet vernal	Rolling slopes (600-1,150 ft)	510-640 mm (20-25 in) (47-5-30")	13 cm (5 in) dark greyish brown fine sandy silt loam; friable; weak fine nut structure; heavy silt loam; very firm; on weathered schist	Medium	Very extensive sheep farming	0-1	1	Extensive sheep, semi-extensive sheep and cattle farming; farm forestry; site class III	P, S, Mo S × P, Mo P × Mo very good good slight	Sheet	Profiles shallow, seldom deeper than 25 cm; lots of rock outcrops and ferns ponded to doses of selenium	1,200 ha (3,000 a)	M
		Similar to Matare fine sandy loam, except where noted	Similar to Matare fine sandy loam, except where noted	Thin loess overlying schist	Hard tussock, matigrass, now browntop and sweet vernal	Rolling slopes (600-1,150 ft)	510-640 mm (20-25 in) (47-5-30")	13 cm (5 in) dark greyish brown fine sandy silt loam; friable; weak fine nut structure; heavy silt loam; very firm; on weathered schist	Medium	Very extensive sheep farming	0-1	1	Extensive sheep, semi-extensive sheep and cattle farming; farm forestry; site class III	P, S, Mo S × P, Mo P × Mo very good good slight	Sheet	Profiles shallow, seldom deeper than 25 cm; lots of rock outcrops and ferns ponded to doses of selenium	1,200 ha (3,000 a)	M
AW	Arrow steepland soils	Sheepland soils related to subgammate yellow-grey earths; Arrow steepland soils, 10	Weakly entriched, non-pull-entriched and sub-pull-entriched to thin-pull-entriched soils	Schist and colluvium with a thin cover of loess in places	Hard tussock, some scrub	Steep and very steep valley sides (750-1,500 ft)	640-700 mm (25-27.5 in) (46-47-5")	5 cm (6 in) very dark greyish brown friable; moderate fine-grained and fine nut structure; medium and fine nut structure; many schist fragments	Low	Extensive sheep and cattle and semi-extensive sheep and cattle farming; and feed crops	0-3	3	Semi-intensive sheep, cattle, and feed crops; commercial and forestry; site class II, III	P, S, Mo S × P, Mo P × Mo good slight good	Sheet and gully	Many rock outcrops	2,400 ha (6,000 a)	AW
		Sheepland soils related to subgammate yellow-grey earths; Arrow steepland soils, 10	Weakly entriched, non-pull-entriched and sub-pull-entriched to thin-pull-entriched soils	Schist and colluvium with a thin cover of loess in places	Hard tussock, some scrub	Steep and very steep valley sides (750-1,500 ft)	640-700 mm (25-27.5 in) (46-47-5")	5 cm (6 in) very dark greyish brown friable; moderate fine-grained and fine nut structure; medium and fine nut structure; many schist fragments	Low	Extensive sheep and cattle and semi-extensive sheep and cattle farming; and feed crops	0-3	3	Semi-intensive sheep, cattle, and feed crops; commercial and forestry; site class II, III	P, S, Mo S × P, Mo P × Mo good slight good	Sheet and gully	Many rock outcrops	2,400 ha (6,000 a)	AW
YELLOW-BROWN EARTHS AND RELATED STEEP AND TAHOA silt loam	Matare silt loam	Moderately entriched silt loam	Moderately entriched silt loam	Thin loess over schist	Hard tussock, now pasture	Rolling slopes (1,000-1,300 ft)	640-700 mm (25-27.5 in) (46-47-5")	5 cm (6 in) very dark greyish brown friable; moderate fine-grained and fine nut structure; medium and fine nut structure; many schist fragments	Low	Extensive sheep and cattle and semi-extensive sheep and cattle farming; and feed crops	0-3	3	Semi-intensive sheep, cattle, and feed crops; commercial and forestry; site class II, III	P, S, Mo S × P, Mo P × Mo good slight good	Sheet and gully	Many rock outcrops	2,400 ha (6,000 a)	AW
		Moderately entriched silt loam	Moderately entriched silt loam	Thin loess over schist	Hard tussock, now pasture	Rolling slopes (1,000-1,300 ft)	640-700 mm (25-27.5 in) (46-47-5")	5 cm (6 in) very dark greyish brown friable; moderate fine-grained and fine nut structure; medium and fine nut structure; many schist fragments	Low	Extensive sheep and cattle and semi-extensive sheep and cattle farming; and feed crops	0-3	3	Semi-intensive sheep, cattle, and feed crops; commercial and forestry; site class II, III	P, S, Mo S × P, Mo P × Mo good slight good	Sheet and gully	Many rock outcrops	2,400 ha (6,000 a)	AW
Td	Tahona silt loam, deep phase	Similar to Tahona silt loam except where noted	Similar to Tahona silt loam except where noted	Thick loess	Hard tussock, now pasture	Gently rolling slopes (1,000-1,300 ft)	640-700 mm (25-27.5 in) (46-47-5")	5 cm (6 in) very dark greyish brown friable; moderate fine-grained and fine nut structure; medium and fine nut structure; many schist fragments	Low	Extensive sheep and cattle and semi-extensive sheep and cattle farming; and feed crops	0-5	1-5	Semi-intensive sheep and cattle farming; commercial and forestry; site class II, III	L, P, Mo P × Mo P × Mo fair moderate to good fair	Profiles deep	Profiles deep	25 ha (60 a)	Td
		Similar to Tahona silt loam except where noted	Similar to Tahona silt loam except where noted	Thick loess	Hard tussock, now pasture	Gently rolling slopes (1,000-1,300 ft)	640-700 mm (25-27.5 in) (46-47-5")	5 cm (6 in) very dark greyish brown friable; moderate fine-grained and fine nut structure; medium and fine nut structure; many schist fragments	Low	Extensive sheep and cattle and semi-extensive sheep and cattle farming; and feed crops	0-5	1-5	Semi-intensive sheep and cattle farming; commercial and forestry; site class II, III	L, P, Mo P × Mo P × Mo fair moderate to good fair	Profiles deep	Profiles deep	25 ha (60 a)	Td
Tg	Tahona monted silt loam	Similar to Tahona silt loam except where noted	Similar to Tahona silt loam except where noted	Thick loess	Hard tussock, now pasture	Gently rolling slopes (1,000-1,300 ft)	640-700 mm (25-27.5 in) (46-47-5")	5 cm (6 in) very dark greyish brown friable; moderate fine-grained and fine nut structure; medium and fine nut structure; many schist fragments	Low	Extensive sheep and cattle and semi-extensive sheep and cattle farming; and feed crops	0-5	1-5	Semi-intensive sheep and cattle farming; commercial and forestry; site class II, III	L, P, Mo P × Mo P × Mo fair moderate to good fair	Profiles deep	Profiles deep	25 ha (60 a)	Td
		Similar to Tahona silt loam except where noted	Similar to Tahona silt loam except where noted	Thick loess	Hard tussock, now pasture	Gently rolling slopes (1,000-1,300 ft)	640-700 mm (25-27.5 in) (46-47-5")	5 cm (6 in) very dark greyish brown friable; moderate fine-grained and fine nut structure; medium and fine nut structure; many schist fragments	Low	Extensive sheep and cattle and semi-extensive sheep and cattle farming; and feed crops	0-5	1-5	Semi-intensive sheep and cattle farming; commercial and forestry; site class II, III	L, P, Mo P × Mo P × Mo fair moderate to good fair	Profiles deep	Profiles deep	25 ha (60 a)	Td
TH	Tahona hill soils	Similar to Tahona silt loam except where noted	Similar to Tahona silt loam except where noted	Thick loess	Hard tussock, now pasture	Gently rolling slopes (1,000-1,300 ft)	640-700 mm (25-27.5 in) (46-47-5")	5 cm (6 in) very dark greyish brown friable; moderate fine-grained and fine nut structure; medium and fine nut structure; many schist fragments	Low	Extensive sheep and cattle and semi-extensive sheep and cattle farming; and feed crops	0-5	1-5	Semi-intensive sheep and cattle farming; commercial and forestry; site class II, III	L, P, Mo P × Mo P × Mo fair moderate to good fair	Profiles deep	Profiles deep	25 ha (60 a)	Td
		Similar to Tahona silt loam except where noted	Similar to Tahona silt loam except where noted	Thick loess	Hard tussock, now pasture	Gently rolling slopes (1,000-1,300 ft)	640-700 mm (25-27.5 in) (46-47-5")	5 cm (6 in) very dark greyish brown friable; moderate fine-grained and fine nut structure; medium and fine nut structure; many schist fragments	Low	Extensive sheep and cattle and semi-extensive sheep and cattle farming; and feed crops	0-5	1-5	Semi-intensive sheep and cattle farming; commercial and forestry; site class II, III	L, P, Mo P × Mo P × Mo fair moderate to good fair	Profiles deep	Profiles deep	25 ha (60 a)	Td
TPH	Tapeka hill soils	Moderately entriched yellow-brown earths; 4GH	Moderately entriched yellow-brown earths; 4GH	Schist drift, variable depth and stone content	Dense bush and scrub with some tussock grassland	Moderately steep hill sides (100-1,000 ft)	640-690 mm (25-27 in) (47-49")	13 cm (5 in) dark greyish brown gummy fine sandy silt loam; friable; moderate medium nut structure; many nodules; many concretions	Low to medium	Extensive sheep and cattle farming	0-5	1-5	Semi-intensive sheep and cattle farming; commercial and forestry; site class II, III	L, P, Mo P × Mo P × Mo fair moderate to good fair	Profiles deep	Profiles deep	25 ha (60 a)	Td
		Moderately entriched yellow-brown earths; 4GH	Moderately entriched yellow-brown earths; 4GH	Schist drift, variable depth and stone content	Dense bush and scrub with some tussock grassland	Moderately steep hill sides (100-1,000 ft)	640-690 mm (25-27 in) (47-49")	13 cm (5 in) dark greyish brown gummy fine sandy silt loam; friable; moderate medium nut structure; many nodules; many concretions	Low to medium	Extensive sheep and cattle farming	0-5	1-5	Semi-intensive sheep and cattle farming; commercial and forestry; site class II, III	L, P, Mo P × Mo P × Mo fair moderate to good fair	Profiles deep	Profiles deep	25 ha (60 a)	Td
TP	Tapeka steepland soils	Sheepland soils related to low-brown earths; 4Ic	Moderately entriched silt loam and fine sandy loam	Schist drift, variable depth and stone content	Dense bush and scrub with some tussock grassland	Steep gully sides (100-1,000 ft)	640-690 mm (25-27 in) (47-49")	13 cm (5 in) dark greyish brown gummy fine sandy silt loam; friable; moderate medium nut structure; many nodules; many concretions	Medium to low	Waste land, reserves, very extensive sheep and cattle farming	0-5	1	Extensive sheep and cattle farming; protection (indigenous) and commercial forestry; site class III	L, P, Mo P × Mo P × Mo fair moderate slight	Sheet	Rock outcrops common; slopes often irregular with slumping and creep	980 ha (2,420 a)	TP
		Sheepland soils related to low-brown earths; 4Ic	Moderately entriched silt loam and fine sandy loam	Schist drift, variable depth and stone content	Dense bush and scrub with some tussock grassland	Steep gully sides (100-1,000 ft)	640-690 mm (25-27 in) (47-49")	13 cm (5 in) dark greyish brown gummy fine sandy silt loam; friable; moderate medium nut structure; many nodules; many concretions	Medium to low	Waste land, reserves, very extensive sheep and cattle farming	0-5	1	Extensive sheep and cattle farming; protection (indigenous) and commercial forestry; site class III	L, P, Mo P × Mo P × Mo fair moderate slight	Sheet	Rock outcrops common; slopes often irregular with slumping and creep	980 ha (2,420 a)	TP
K	Kieroa silt loam	Strongly leached upland yellow-brown earths; 2Ic	Thin or very thin loess with schist fragments, on schist	Hard tussock, snow tussock	Hard tussock, snow tussock	Rolling slopes (300-560 ft) (1,000-1,850 ft)	610-710 mm (24-28 in) (49-47-5")	20 cm (8 in) dark grey silt loam; friable; moderate fine nut and fine granular structure; (24-28 in) pale olive brown gummy silt loam; firm; weak medium weathered schist	Low	Extensive and semi-extensive sheep and cattle farming; and feed crops	1	4	Semi-intensive sheep and cattle farming; commercial and forestry; site class III	L, P, Mo P × Mo P × Mo fair moderate slight very good	Sheet	Tons common in some areas; shallow soil. Responses of stock to selenium; clover to inoculation; clover to curd. Introduction of clover common	3,440 ha (8,450 a)	K
		Strongly leached upland yellow-brown earths; 2Ic	Thin or very thin loess with schist fragments, on schist	Hard tussock, snow tussock	Hard tussock, snow tussock	Rolling slopes (300-560 ft) (1,000-1,850 ft)	610-710 mm (24-28 in) (49-47-5")	20 cm (8 in) dark grey silt loam; friable; moderate fine nut and fine granular structure; (24-28 in) pale olive brown gummy silt loam; firm; weak medium weathered schist	Low	Extensive and semi-extensive sheep and cattle farming; and feed crops	1	4	Semi-intensive sheep and cattle farming; commercial and forestry; site class III	L, P, Mo P × Mo P × Mo fair moderate slight very good	Sheet	Tons common in some areas; shallow soil. Responses of stock to selenium; clover to inoculation; clover to curd. Introduction of clover common	3,440 ha (8,450 a)	K
Kc	Kieroa silt loam, easy rolling phase	Similar to Kieroa silt loam except where noted	Similar to Kieroa silt loam except where noted	Easy rolling slopes	Hard tussock	Easy rolling slopes (1,000-1,850 ft)	610-710 mm (24-28 in) (49-47-5")	20 cm (8 in) dark grey silt loam; friable; moderate fine nut and fine granular structure; (24-28 in) pale olive brown gummy silt loam; firm; weak medium weathered schist	Low	Extensive and semi-extensive sheep and cattle farming	0-3	2	Extensive and semi-extensive sheep and cattle farming; commercial and forestry; site class III	L, P, Mo P × Mo P × Mo fair moderate slight	Sheet	Depth is variable but soils are often shallow	1,300 ha (3,180 a)	Kc
		Similar to Kieroa silt loam except where noted	Similar to Kieroa silt loam except where noted	Easy rolling slopes	Hard tussock	Easy rolling slopes (1,000-1,850 ft)	610-710 mm (24-28 in) (49-47-5")	20 cm (8 in) dark grey silt loam; friable; moderate fine nut and fine granular structure; (24-28 in) pale olive brown gummy silt loam; firm; weak medium weathered schist	Low	Extensive and semi-extensive sheep and cattle farming	0-3	2	Extensive and semi-extensive sheep and cattle farming; commercial and forestry; site class III	L, P, Mo P × Mo P × Mo fair moderate slight	Sheet	Depth is variable but soils are often shallow	1,300 ha (3,180 a)	Kc
Kf	Kieroa silt loam, strongly rolling phase	Similar to Kieroa silt loam except where noted	Similar to Kieroa silt loam except where noted	Easy rolling slopes	Hard tussock	Easy rolling slopes (1,000-1,850 ft)	610-710 mm (24-28 in) (49-47-5")	20 cm (8 in) dark grey silt loam; friable; moderate fine nut and fine granular structure; (24-28 in) pale olive brown gummy silt loam; firm; weak medium weathered schist	Low	Extensive and semi-extensive sheep and cattle farming	0-3	2	Extensive and semi-extensive sheep and cattle farming; commercial and forestry; site class III	L, P, Mo P × Mo P × Mo fair moderate slight	Sheet	Depth is variable but soils are often shallow	1,300 ha (3,180 a)	Kc
		Similar to Kieroa silt loam except where noted	Similar to Kieroa silt loam except where noted	Easy rolling slopes	Hard tussock	Easy rolling slopes (1,000-1,850 ft)	610-710 mm (24-28 in) (49-47-5")	20 cm (8 in) dark grey silt loam; friable; moderate fine nut and fine granular structure; (24-28 in) pale olive brown gummy silt loam; firm; weak medium weathered schist	Low	Extensive and semi-extensive sheep and cattle farming	0-3	2	Extensive and semi-extensive sheep and cattle farming; commercial and forestry; site class III	L, P, Mo P × Mo P × Mo fair moderate slight	Sheet	Depth is variable but soils are often shallow	1,300 ha (3,180 a)	Kc
KH	Kieroa hill soils	Similar to Kieroa silt loam except where noted	Similar to Kieroa silt loam except where noted	Easy rolling slopes	Hard tussock	Easy rolling slopes (1,000-1,850 ft)	610-710 mm (24-28 in) (49-47-5")	20 cm (8 in) dark grey silt loam; friable; moderate fine nut and fine granular structure; (24-28 in) pale olive brown gummy silt loam; firm; weak medium weathered schist	Low	Extensive and semi-extensive sheep and cattle farming	0-3	2	Extensive and semi-extensive sheep and cattle farming; commercial and forestry; site class III	L, P, Mo P × Mo P × Mo fair moderate slight	Sheet	Depth is variable but soils are often shallow	1,300 ha (3,180 a)	Kc
		Similar to Kieroa silt loam except where noted	Similar to Kieroa silt loam except where noted	Easy rolling slopes	Hard tussock	Easy rolling slopes (1,000-1,850 ft)	610-710 mm (24-28 in) (49-47-5")	20 cm (8 in) dark grey silt loam; friable; moderate fine nut and fine granular structure; (24-28 in) pale olive brown gummy silt loam; firm; weak medium weathered schist	Low	Extensive and semi-extensive sheep and cattle farming	0-3	2	Extensive and semi-extensive sheep and cattle farming; commercial and forestry; site class III	L, P, Mo P × Mo P × Mo fair moderate slight	Sheet	Depth is variable but soils are often shallow	1,300 ha (3,180 a)	Kc
W	Wahenga silt loam	Strongly leached upland yellow-brown earths; 5Ab	Strongly entriched silt loam	Schist loess on schist	Snow tussock, now mainly tussock and sown pasture	Easy rolling to rolling slopes (1,400-2,000 ft)	640-760 mm (25-30 in) (46")	18 cm (7 in) dark greyish brown silt loam; friable; medium nut structure; blocky structure; few brown coatings on aggregate	Low to very low	Sown pastures are intensively developed	3	6	Intensive sheep and cattle farming; seed production; commercial and farm forestry; site class III	L, P, Mo P × Mo P × Mo slight good good	Sheet	Depth is variable but soils are often shallow	7,100 ha (17,750 a)	W
		Strongly leached upland yellow-brown earths; 5																