

Kaime SERIES

A. SOIL MAP UNIT DESCRIPTION

SOIL CLASSIFICATION

SCOT: Mineral alluvial soils

SSEW: Gleyic ranker-like alluvial soils

SOIL ASSOCIATION

ALLUVIUM

PARENT MATERIAL

Sandy alluvium.

DRAINAGE CLASS

Imperfect

PERMEABILITY CLASS

Moderately rapid

REFERENCES

soil maps —
1:63 360 sheets
23 (Hamilton)
30 (Glasgow)
31 (Airdrie)
40/41 (Kinross/Elie)
56 (Blairgowrie)
75 (Tomintoul)
84 (Nairn)
85/95 (Rothes/Elgin)
94 (Cromarty/Invergordon)

LOCATION AND EXTENT

Easter Ross; Morayshire; Strathspey; Strathmore; small areas in Fife, Stirlingshire and around Glasgow and Lanark. 40 sq. km.

LANDFORM

Flood plains and river terraces.

VEGETATION

Arable; ley and permanent pastures; broad-leaved woodland.

CLIMATE

	<i>Easter Ross & Moray Firth (rainfall <800 mm)</i>	<i>Morayshire and Spey valley (rainfall 800-1000 mm)</i>	<i>Clyde valley (rainfall <180 m)</i>
<i>av. ann. rainfall, mm</i>	600-800	800-1000	800-1000
<i>accum. temperature (day °C above 0°C Jan-Jun)</i>	1190-1350	1000-1170	1210-1370
<i>maximum PSMD, mm</i>	120-155	95-115	95-130
<i>growing season, days</i>	220	210	225
<i>field capacity</i>	early Nov to early Mar	mid-Oct to early Mar	mid-Oct to early Mar

SOIL DESCRIPTION

	<i>topsoil</i>	<i>subsoil</i>
<i>colour</i>	dark brown	brown
<i>texture</i>	loamy sand or sandy loam	sand or loamy sand
<i>structure</i>	weak medium subangular blocky	single grain or very weak subangular blocky
<i>stone content</i>	stoneless	stoneless
<i>potential rooting depth</i>	unrestricted	
COMMENT	Ochreous mottles present in subsoil; some topsoils and subsoils are slightly stony.	

SOIL CHEMISTRY

Moderately acid; subsoils have a pH of 5-6 and medium (20-60 %) base saturation. Available cobalt and copper generally low.

MAP UNIT VARIATION

Bands of gravel, fine sand and silt present in some subsoils.