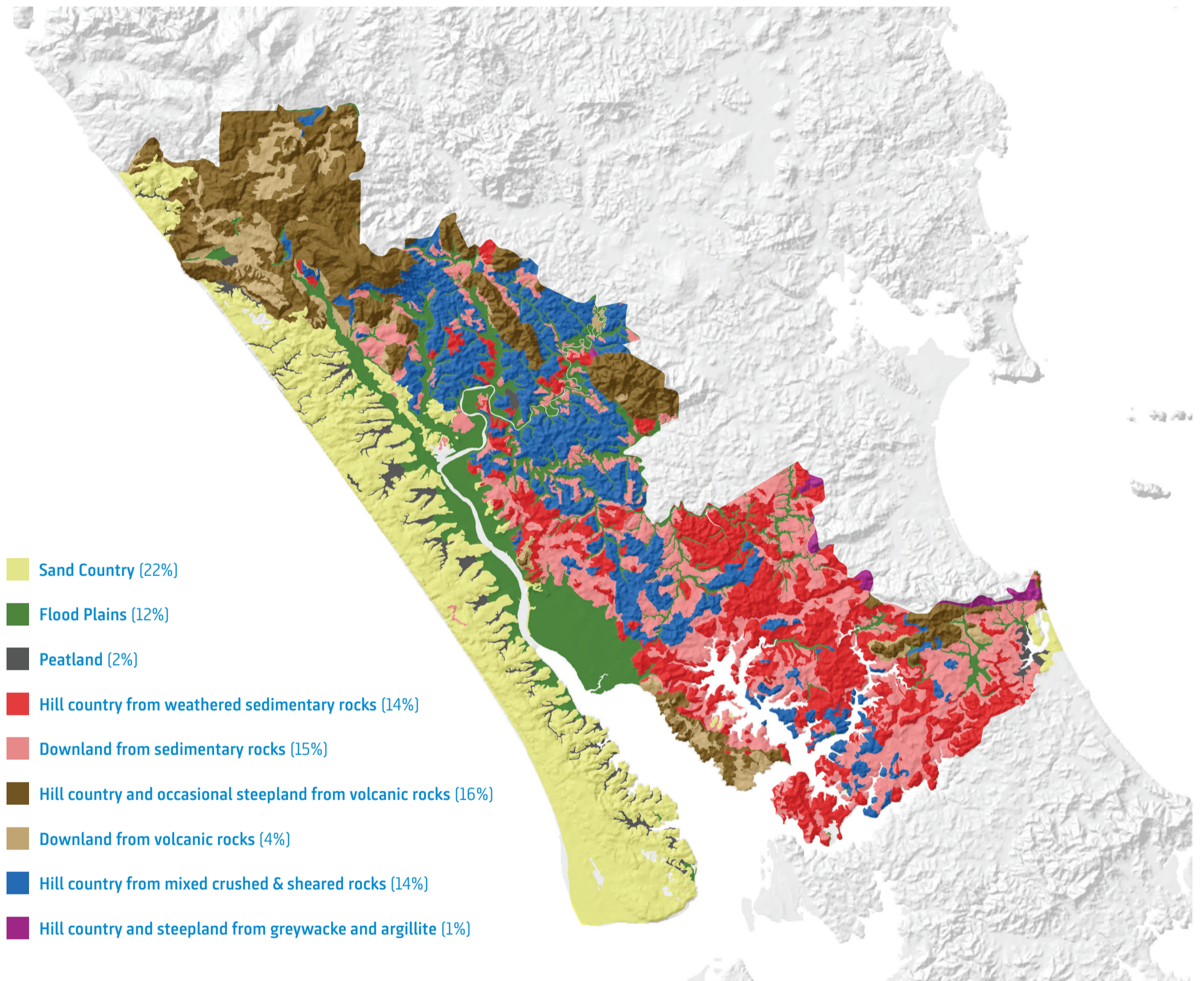


KAIPARA SOIL TERRAINS

Nine soil terrains are present in the Kaipara District. The terrain represents a broad division of the landscape according to the general type of soil parent material and slope.

The Kaipara District has over 120 soil types. Soils are grouped into series of similar soil profiles, similar temperature, moisture regime and parent material.



Sand Country (22%)

- Soils become older and more weathered inland
- Highly variability makes general crop predictions unreliable at a broad scale.

Flood Plains (12%)

- May be well suited to some high value land uses with highly specialised management.
- The narrower flood plains of the hill country are generally not used for cropping.
- Careful site assessments are required when considering soil water sensitive crops.

Peatland (2%)

- Very poorly drained in natural state with shallow rooting depth but may provide growing environments for a limited range of crops.

Hill country from weathered sedimentary rocks (14%)

- This soil terrain is underlain by stable rocks, not crushed & sheared.
- Slope and subsoil pH generally preclude arable land uses.

Downland from sedimentary rocks (15%)

- The easy slopes in this soil terrain make it a potential area for land-use intensification or diversification.
- Most soils in this terrain are imperfectly drained, suggesting some impediment to soil water sensitive plants.

Hill country and occasional steepland from volcanic rocks (16%)

Steep land often remains scrub-covered for environmental protection.

Downland from volcanic rocks (4%)

- Soils are naturally well supplied with plant nutrients and have good structure.
- While upper subsoils can be firm and plant rooting slightly restricted, the soils do not become firmer with increasing depth.
- Detailed site investigation is recommended.

Hill country from mixed crushed and sheared rocks (14%)

- The rock masses are mixed and unpredictable, often subject to erosion.
- Generally limited cropping potential (too hilly, erodible, infertile)

Hill country and steepland from greywacke and argillite (1%)

- Slope steepness generally constrains land-use options.

This infographic is based information from the following report: *Current and future crop suitability in the Kaipara District* prepared by

Disclaimer: The Data Providers have prepared this map exercising all reasonable skill and care. Nevertheless, the Data Providers can give no warranty that the map is free from errors, omissions or other inaccuracies. Users of this map will release the Data Providers from all liability whether direct, indirect, or consequential, arising out of the provision of this map.

