

# 464121

## SPRING PLAIN

Occurring amongst dolerite hills to the north of Perth and near Spring Plain are basin-like depressions of Permian mudstones and sandstones. The system has been strongly influenced by the surrounding dolerite, with small dolerite outcrops scattered throughout the system. The mudstones and sandstones have been metamorphosed at dolerite contacts.

As with most Region 4 soils on Permian deposits, the soils within this system have duplex profiles with sandy surfaces. They are similar to those in the Arnon Soil Association described by Nicolls (1958).

White gum, black peppermint and silver wattle dominate the vegetation found on these soils.

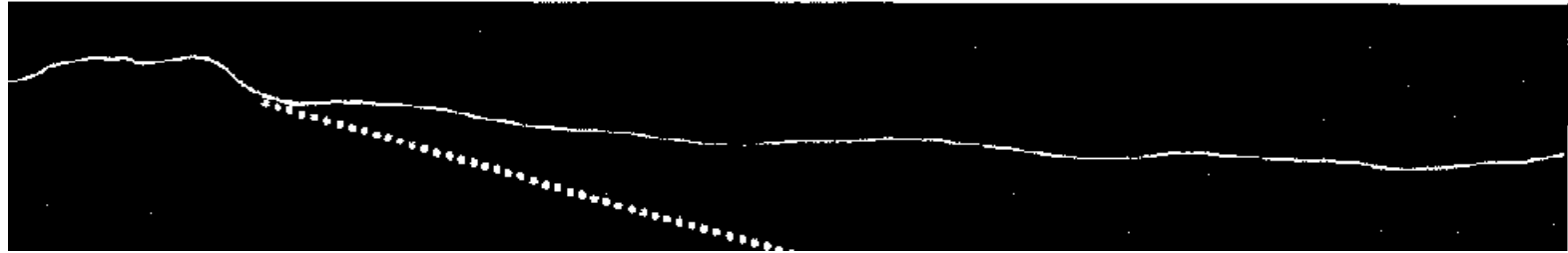
Most of the area has been cleared and sown to improved pasture for grazing. Small areas of the slopes remain unimproved.

The sandy surface layers of soil are susceptible to sheet, rill and gully erosion.

**LAND SYSTEM**

464121

Spring Plain



COMPONENT	1	2
PROPORTION %	15	85
CLIMATE	Average Annual Rainfall 625-750 mm	
GEOLOGY	Permian mudstones and sandstones	
TOPOGRAPHY	Basin-like depressions amongst dolerite hills	
Land form	Basin-like depressions amongst dolerite hills	
Position	Slopes	Rolling plains
Average Sideslope	3	1
NATIVE VEGETATION	Open-forest	Woodland
Structure	Open-forest	Woodland
Association	White gum, black peppermint, silver wattle, she-oak, bull-oak, bracken fern	White gum, black peppermint, silver wattle, prickly mimosa, she-oak, bracken fern
SOIL	Stony, light olive brown (2.5 Y 5/4) duplex soil	Mottled grey (10 YR 6/1) strong brown (7.5 YR 5/8) duplex soil
Surface Texture	Sandy loam	
Permeability	Moderate	
Average Depth m	1.0	1.4
PRESENT LAND USE	Grazing, nature conservation	
HAZARDS	• Low sheet and gully erosion	Moderate gully and rill erosion