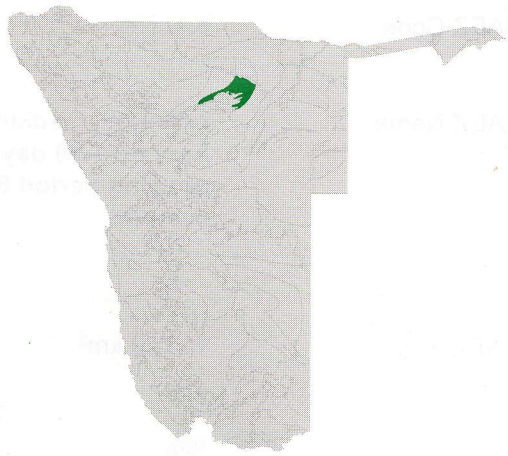
AGRO-ECOLOGICAL ZONE DESCRIPTION

AEZ Code	**KALK-2**
AEZ Name	**Kalkveld, average growing period 91-120 days, dependable growing period 80% of average**
AEZ Area	5 826 km^2



Summary of Landform Information		**Codes**
Landform type	plain	[l]
General altitude range	1 100 m - 1 400 m	
Regional slope range	0 - 2 %	
Relative relief	< 10 m: very low relative relief	
Drainage pattern	weakly oriented	
Geological substrata	Damara dolomite, limestone, phyllite, quartzite	
SOTER landform	plains	[LP]
SOTER lithology	organic sediments → imestone, other carbonate rocks	[SO1]
	basic metamorphic → slate, phyllite (pelitic rocks)	[MB1]
	acid metamorphic → quartzite	[MA1]

Summary of Growing Period Information

Dominant Zone	2	Average growing period 105 days, dependable growing period 86 days (80 % of average)

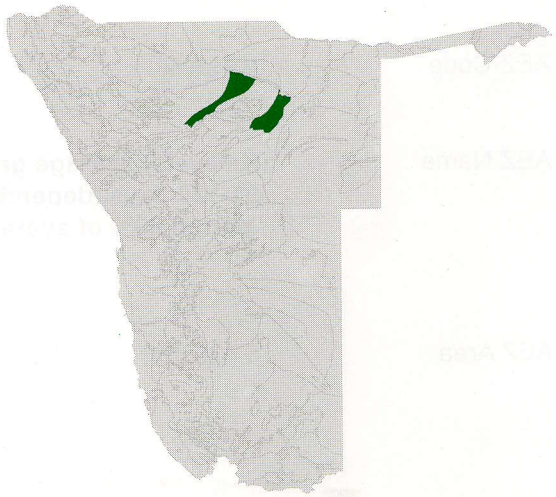
Summary of Soils Information - FAO Soils Units and Fertility Capability Classification

Dominant	50 % Petric Calcisols	sandy to loamy topsoil, high lime concentrations in indurated form in subsoil, associated with very dry moisture regimes
Associated	20 % Calcic Vertisols	dark cracking clays (> 35 % clay) with deficient drainage, calcium entrichment in the subsoil
	20 % Gleyic Solonetz	sodic soils with poor drainage, evidence of periodic waterlogging
Included	10 % Haplic Arenosols	modal sandy soils, low nutrient status

Agricultural Potential

Ranking	2nd
Suitability	short-maturing crops; large stock grazing
Cropping potential	Not suitable for cropping due to predominance of shallow soils on calcrete. Good grazing areas.

AGRO-ECOLOGICAL ZONE DESCRIPTION



AEZ Code	**KALK-3**
AEZ Name	**Kalkveld, median growing period 61-90 days, dependable growing period 60% of average**
AEZ Area	11 729 km^2

Summary of Landform Information		**Codes**
Landform type	plain	[l]
General altitude range	1 100 m - 1 400 m	
Regional slope range	0 - 2%	
Relative relief	< 10 m: very low relative relief	
Drainage pattern	weakly oriented	
Geological substrata	Damara dolomite, limestone, phyllite, quartzite	
SOTER landform	plains	[LP]
SOTER lithology	organic sediments → limestone, other carbonate rocks	[SO1]
	basic metamorphic → slate, phyllite (pelitic rocks)	[MB1]
	acid metamorphic → quartzite	[MA1]

Summary of Growing Period Information

Dominant Zone	4	Average growing period 63, dependable growing period 6 days; very short dependable growing period
Included Zone	6	Average growing period 48 days, no dependable growing period

Summary of Soils Information - FAO Soils Units and Fertility Capability Classification

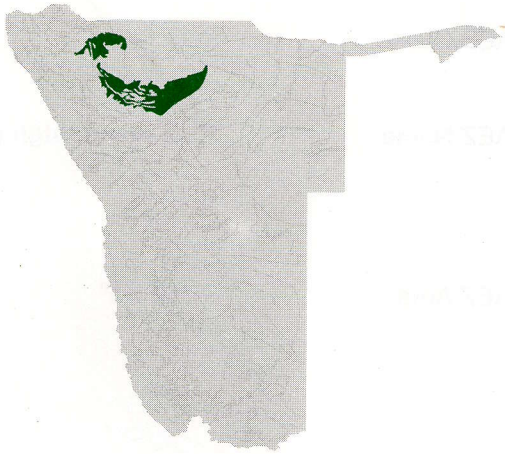
Dominant	50 % Petric Calcisols	sandy to loamy topsoil, high lime concentrations in indurated form in subsoil, associated with very dry moisture regimes
Associated	20 % Calcic Vertisols	dark cracking clays (> 35 % clay) with deficient drainage, calcium enrichment in the subsoil
	20 % Gleyic Solonetz	sodic soils with poor drainage, evidence of periodic waterlogging
Included	10 % Haplic Arenosols	modal sandy soils, low nutrient status

Agricultural Potential

Ranking	3rd
Suitability	large stock grazing
Cropping potential	Unsuitable for crop production due to low dependable growing period, combined with shallow soils.

AGRO-ECOLOGICAL ZONE DESCRIPTION

EZ Code	**KALK-4**
AEZ Name	**Kalkveld, average growing period 61-90 days, very short dependable growing period**
AEZ Area	24 508 km^2



Summary of Landform Information		**Codes**
Landform type	plain	[l]
General altitude range	1 100 m - 1 400 m	
Regional slope range	0 - 2 %	
Relative relief	< 10 m: very low relative relief	
Drainage pattern	weakly oriented	
Geological substrata	Damara dolomite, limestone, phyllite, quartzite	
SOTER landform	plains	[LP]
SOTER lithology	organic sediments → limestone, other carbonate rocks	[SO1]
	basic metamorphic → slate, phyllite (pelitic rocks)	[MB1]
	acid metamorphic → quartzite	[MA1]

Summary of Growing Period Information

Dominant Zone	3	Average growing period 83 days, dependable growing period 52days (60 % of average)

Summary of Soils Information - FAO Soils Units and Fertility Capability Classification

Dominant	50 % Petric Calcisols	sandy to loamy topsoil, high lime concentrations in indurated form in subsoil, associated with very dry moisture regimes
Associated	20 % Calcic Vertisols	dark cracking clays (> 35 % clay) with deficient drainage, calcium enrichment in the subsoil
	20 % Gleyic Solonetz	sodic soils with poor drainage, evidence of periodic waterlogging
Included	10 % Haplic Arenosols	modal sandy soils, low nutrient status

Agricultural Potential

Ranking	3rd
Suitability	large stock grazing