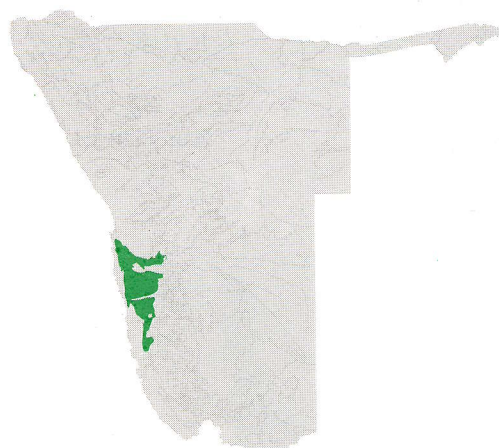


## AGRO-ECOLOGICAL ZONE DESCRIPTION

AEZ Code **NAM1**

AEZ Name **Namib Sand Sea, high longitudinal dunes**

AEZ Area 18 816 km<sup>2</sup>



### Summary of Landform Information

### Codes

Landform type	dunefield	[d]
General altitude range	300 m - 1 000 m	
Regional slope range	30 - 60 %	
Relative relief	100 - 300 m: high relative relief	
Drainage pattern	strongly oriented, parallel	
Geological substrata	sand sea of the Namib desert	
SOTER landform	high-gradient hill	[TH]
SOTER lithology	unconsolidated eolian	[UE]

### Summary of Growing Period Information

Dominant Zone 11 No growing period

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

Dominant	70 % Ferralic Arenosols	sandy soils, poor capacity to retain nutrients, slightly acidic
Associated	30 % Haplic Calcisols	modal calcareous soils, sandy to loamy topsoil, basic reaction, associated with very dry moisture regimes

### Agricultural Potential

Ranking 11<sup>th</sup>

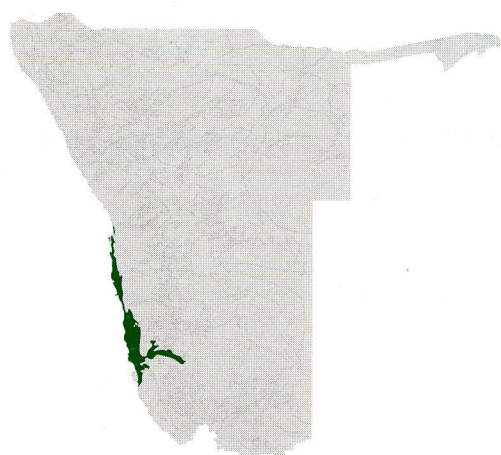
Suitability unsuitable for grazing

## AGRO-ECOLOGICAL ZONE DESCRIPTION

AEZ Code **NAM2**

AEZ Name **Namib Sand Sea, low transversal dunes**

AEZ Area 14 686 km<sup>2</sup>



### Summary of Landform Information

### Codes

Landform type	dunefield	[d]
General altitude range	20 m - 300 m	
Regional slope range	30 - 60 %	
Relative relief	30 - 100 m: moderate relative relief	
Drainage pattern	weakly oriented	
Geological substrata	sand sea of the Namib desert	
SOTER landform	high-gradient hills	[TH]
SOTER lithology	unconsolidated eolian	[UE]

### Summary of Growing Period Information

Dominant Zone 11 No growing period

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


Dominant	70 % Ferralic Arenosols	sandy soils, poor capacity to retain nutrients, slightly acidic
Associated	30 % Haplic Calcisols	modal calcareous soils, sandy to loamy topsoil, basic reaction, associated with very dry moisture regimes

### Agricultural Potential

Ranking 11<sup>th</sup>

Suitability unsuitable for grazing

## AGRO-ECOLOGICAL ZONE DESCRIPTION

AEZ Code	<b>NAM3</b>	
AEZ Name	<b>Namib coastal salt plains</b>	
AEZ Area	692 km <sup>2</sup>	

Summary of Landform Information	Codes
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Landform type	salt pan	[ps]
General altitude range	0 m - 3 m	
Regional slope range	0 - 2 %	
Relative relief	< 10 m: very low relative relief	
Drainage pattern	no preferred orientation	
Geological substrata	Quaternary coastal salt pans	
SOTER landform	plains	[LP]
SOTER lithology	unconsolidated marine	[UM]

Summary of Growing Period Information
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Dominant Zone	11	No growing period
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Summary of Soils Information - FAO Soils Units and Fertility Capability Classification
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Dominant	Solonchaks	undifferentiated saline soils, sandy to loamy topsoil
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Agricultural Potential
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Ranking	11 <sup>th</sup>
Suitability	unsuitable for grazing

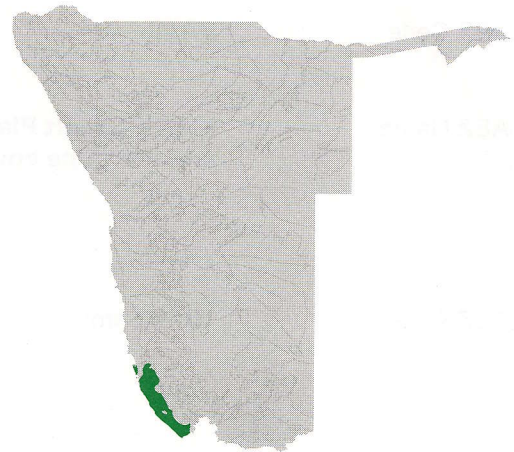


**AGRO-ECOLOGICAL ZONE DESCRIPTION**

AEZ Code **NAM4**

AEZ Name **Namib Desert Plains, sand drift and gravel pavement**

AEZ Area 9 807 km<sup>2</sup>



**Summary of Landform Information**

**Codes**

Landform type	inselberg plain	[li]
General altitude range	0 m - 300 m	
Regional slope range	0 - 5 %	
Relative relief	10 - 30 m: low relative relief	
Drainage pattern	no preferred orientation	
Geological substrata	Quaternary sand, Gariiep Complex rocks, gneisses	
SOTER landform	plains	[LP]
SOTER lithology	unconsolidated eolian	[UE]
	clastic sediments	[SC]
	acid metamorphic	[MA]
	basic metamorphic	[MB]

**Summary of Growing Period Information**

Dominant Zone 11 No growing period

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

Dominant	40 % Rendzic Leptosols 40 % Ferralic Arenosols	shallow soils limited by very calcareous material sandy soils, poor capacity to retain nutrients, slightly acidic
Included	10% Calcic Gypsisols	soils with high gypsum and lime concentrations in the subsoil, loamy topsoil, basic reaction, associated with very dry moisture regimes
	10 % Calcic Luvisols	non-acid soils with clay enrichment and lime concentrations in the subsoil, loamy topsoil, basic reaction

**Agricultural Potential**

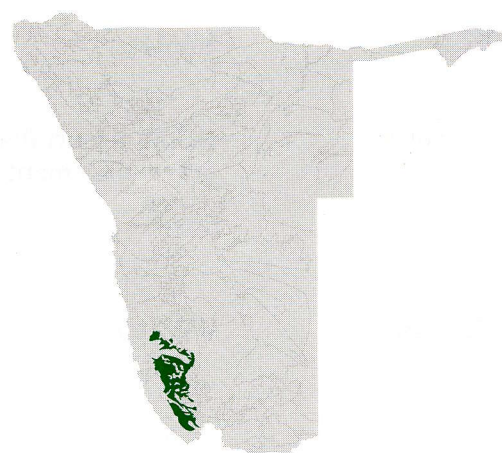
Ranking 11<sup>th</sup>  
Suitability unsuitable for grazing

## AGRO-ECOLOGICAL ZONE DESCRIPTION

AEZ Code **NAM5**

AEZ Name **Namib Desert Plains, sand sheets and low dune cover**

AEZ Area 15 108 km<sup>2</sup>



### Summary of Landform Information

### Codes

Landform type	sand plain	[ls]
General altitude range	300 m - 800 m	
Regional slope range	0 - 5 %	
Relative relief	10 - 30 m: low relative relief	
Drainage pattern	weakly oriented	
Geological substrata	Quaternary sand	
SOTER landform	plains	[LP]
SOTER lithology	unconsolidated eolian	[UE]

### Summary of Growing Period Information

Dominant Zone	11	No growing period
Included Zone	10	Average growing period 8 days, no dependable growing period

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

Dominant	50 % Ferralic Arenosols	sandy soils, poor capacity to retain nutrients, slightly acidic
	50 % Haplic Calcisols	modal calcareous soils, sandy to loamy topsoil, basic reaction, associated with very dry moisture regimes

### Agricultural Potential

Ranking	11 <sup>th</sup>
Suitability	unsuitable for grazing

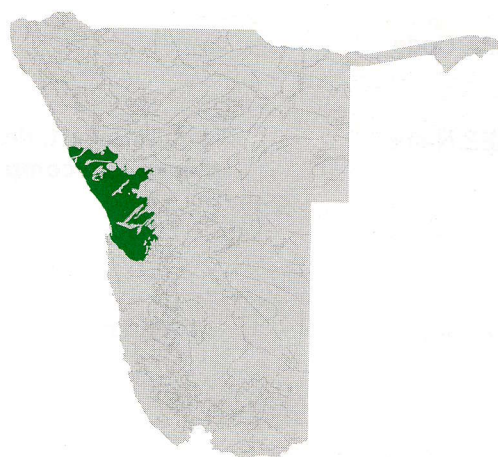


## AGRO-ECOLOGICAL ZONE DESCRIPTION

AEZ Code **NAM6**

AEZ Name **Namib Desert Plains, gravel and rock pavement**

AEZ Area 37 076 km<sup>2</sup>



### Summary of Landform Information

#### Codes

Landform type	plain	[I]
General altitude range	0 m - 800 m	
Regional slope range	0 - 2 %	
Relative relief	< 10 m: very low relative relief	
Drainage pattern	strongly oriented, parallel	
Geological substrata	Damara and Khoabendus metamorphic rocks	
SOTER landform	plains	[LP]
SOTER lithology	acid metamorphic	[MA]
	basic metamorphic	[MB]

### Summary of Growing Period Information

Dominant Zone	11	No growing period
Included Zones	10	Average growing period 8 days, no dependable growing period
	9	Average growing period 15 days, no dependable growing period
	8	Average growing period 25 days, no dependable growing period
	7	Average growing period 35 days, no dependable growing period

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

Dominant	30 % Rendzic Leptosols	shallow soils limited by very calcareous material soils with high gypsum and lime concentrations in the subsoil, loamy topsoil, basic reaction, associated with very dry moisture regimes
	30 % Calcic Gypsisols	
	30 % Haplic Calcisols	modal calcareous soils, sandy to loamy topsoil, basic reaction, associated with very dry moisture regimes
Included	10 % Lithic Leptosols	very shallow soils, limited in depth by hard rock or cemented material

### Agricultural Potential

Ranking	11 <sup>th</sup>
Suitability	unsuitable for grazing

## AGRO-ECOLOGICAL ZONE DESCRIPTION

AEZ Code

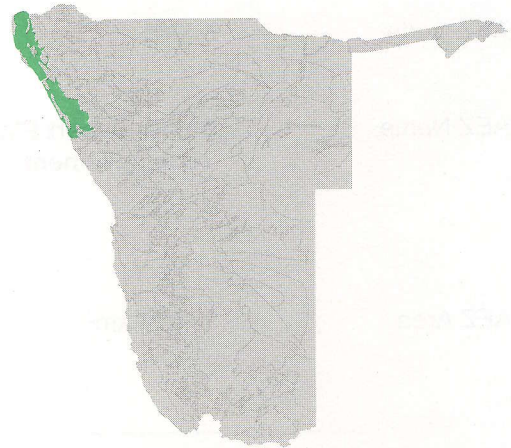
**NAM7**

AEZ Name

**Namib Desert, dissected  
plains with complex cover**

AEZ Area

19 981 km<sup>2</sup>



### Summary of Landform Information

### Codes

Landform type	plain	[I]
General altitude range	0 m - 900 m	
Regional slope range	0 - 15 %	
Relative relief	10 - 30 m: low relative relief	
Drainage pattern	strongly oriented, parallel	
Geological substrata	Karoo volcanic and Damara metamorphic rocks	
SOTER landform	plains	[LP]
SOTER lithology	basic igneous → basalt	[IB2]
	acid metamorphic	[MA]
	basic metamorphic	[MB]

### Summary of Growing Period Information

Dominant Zone      11      No growing period

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

Dominant	50 % Leptosols	undifferentiated shallow soils, loamy topsoil, subsoil is rock or other hard root-restricting layer
Associated	20 % Gypsisols	undifferentiated soils with high gypsum concentrations in the subsoil, loamy topsoil, basic reaction, associated with very dry moisture regimes
	20 % Calcisols	Undifferentiated soils with high lime concentrations in the subsoil, sandy to loamy topsoil, basic reaction, often with > 15% % gravel or stones, associated with very dry moisture regimes
Included	10 % Rock	

### Agricultural Potential

Ranking              11<sup>th</sup>

Suitability            unsuitable for grazing