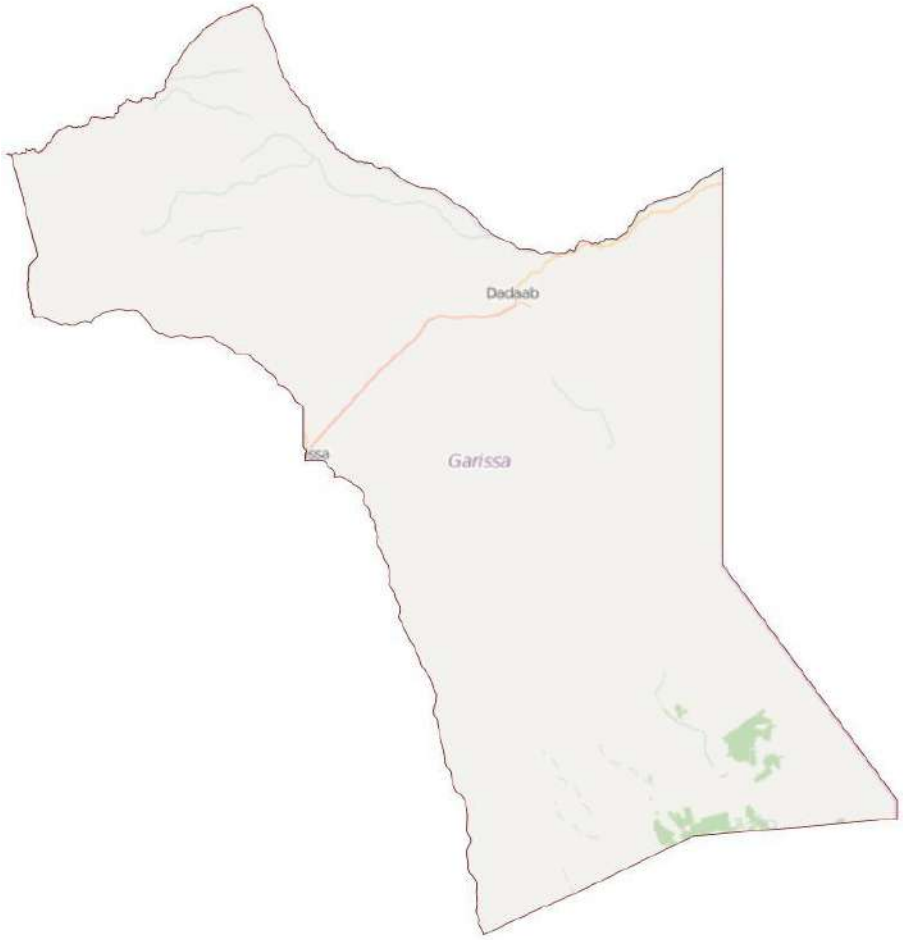
Kenya County Climate Risk Profile

Garissa County



Map Book

Kenya Agricultural Productivity Programme

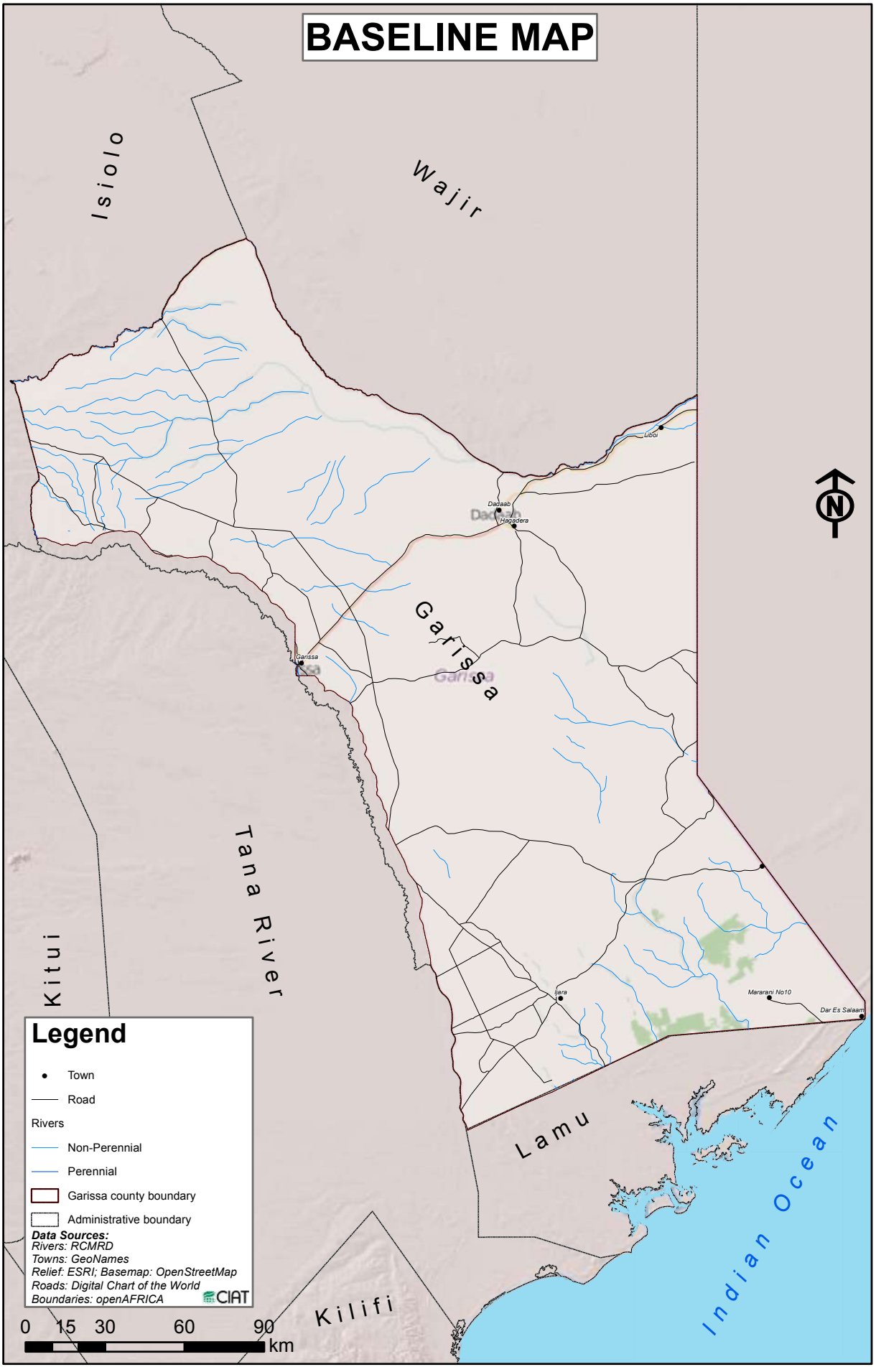
Republic of Kenya

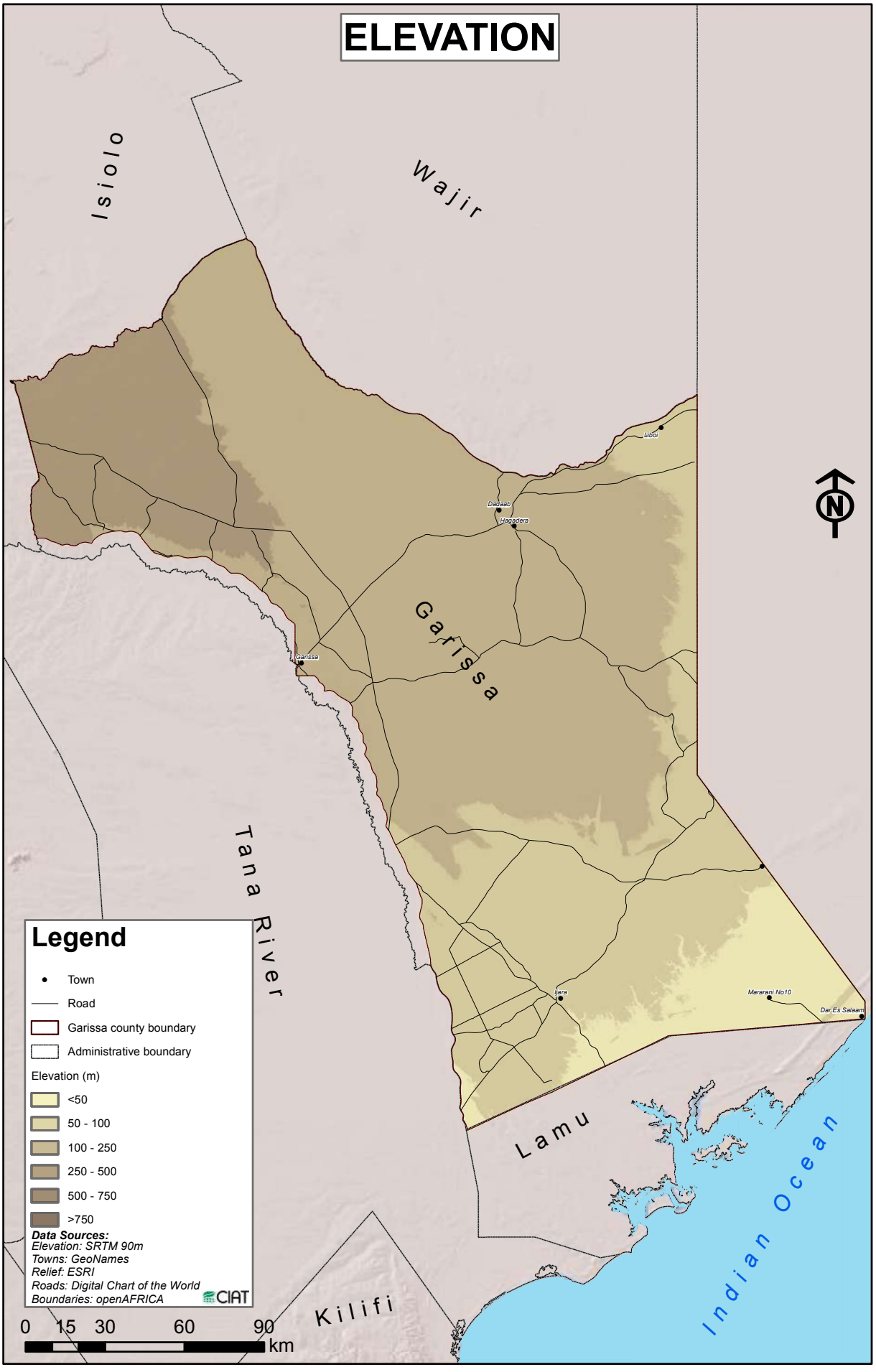
WORLD BANK GROUP

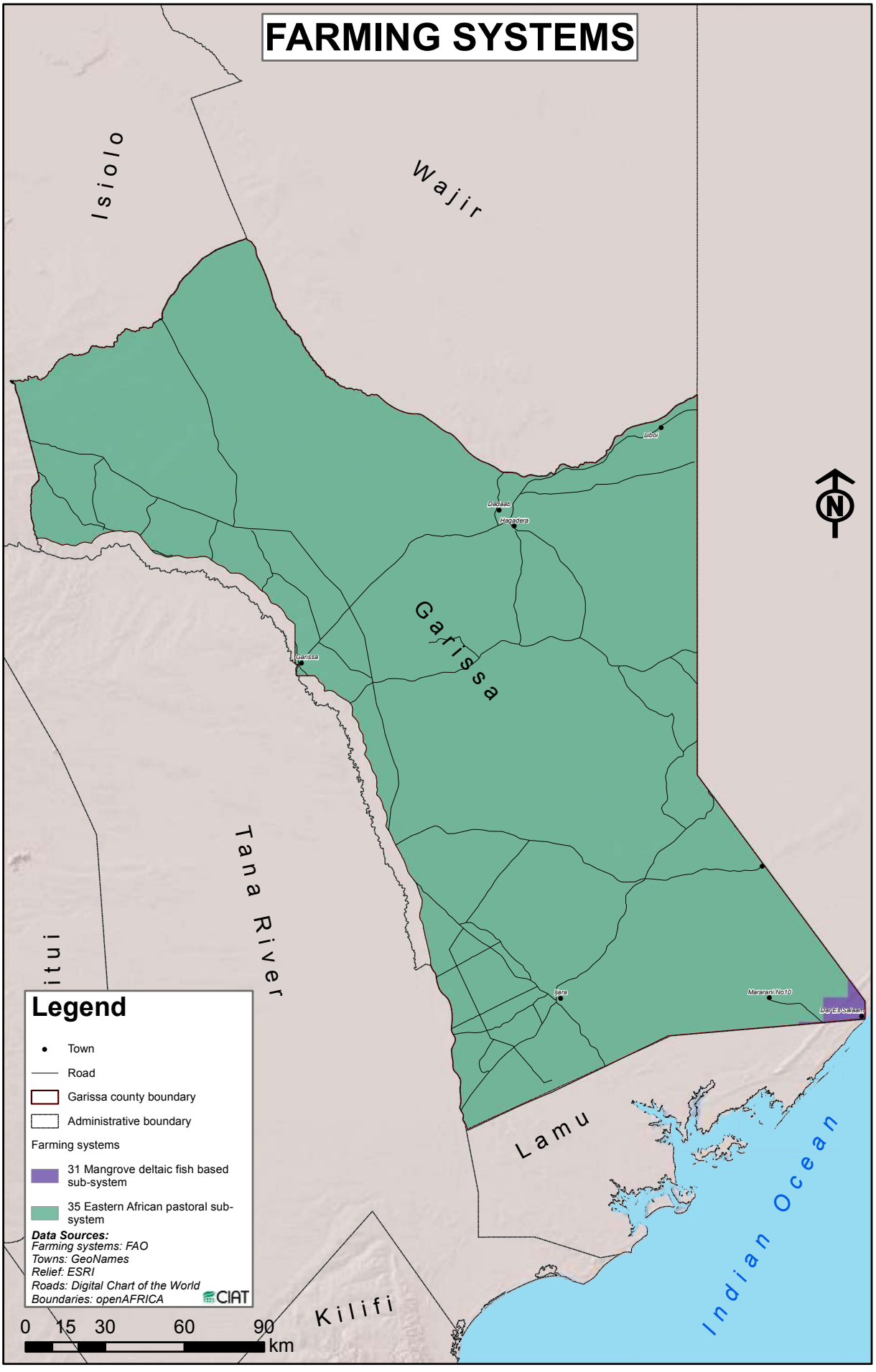
CIAT
International Center for Tropical Agriculture
Since 1967 | Science to cultivate change

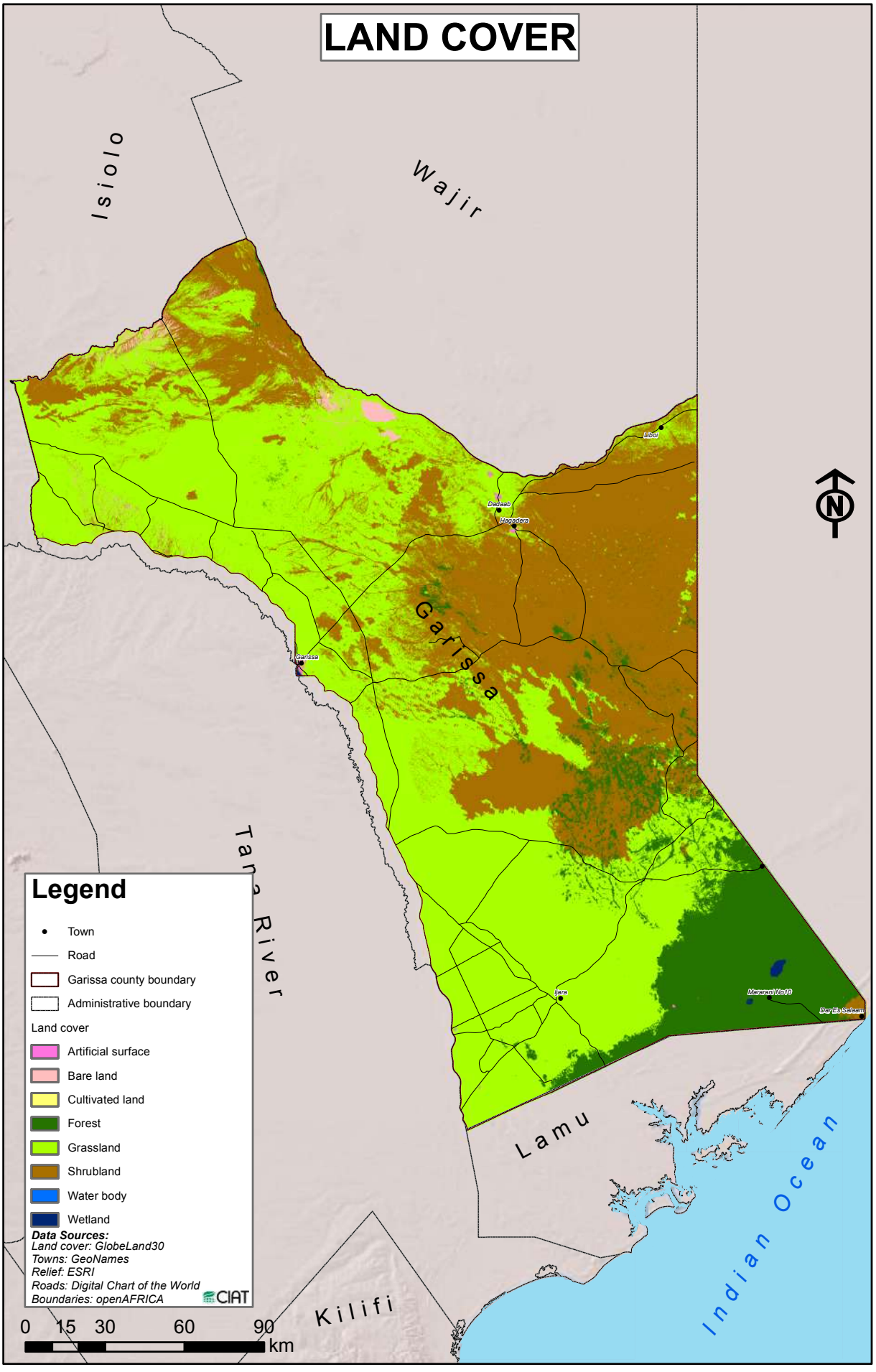
Contents

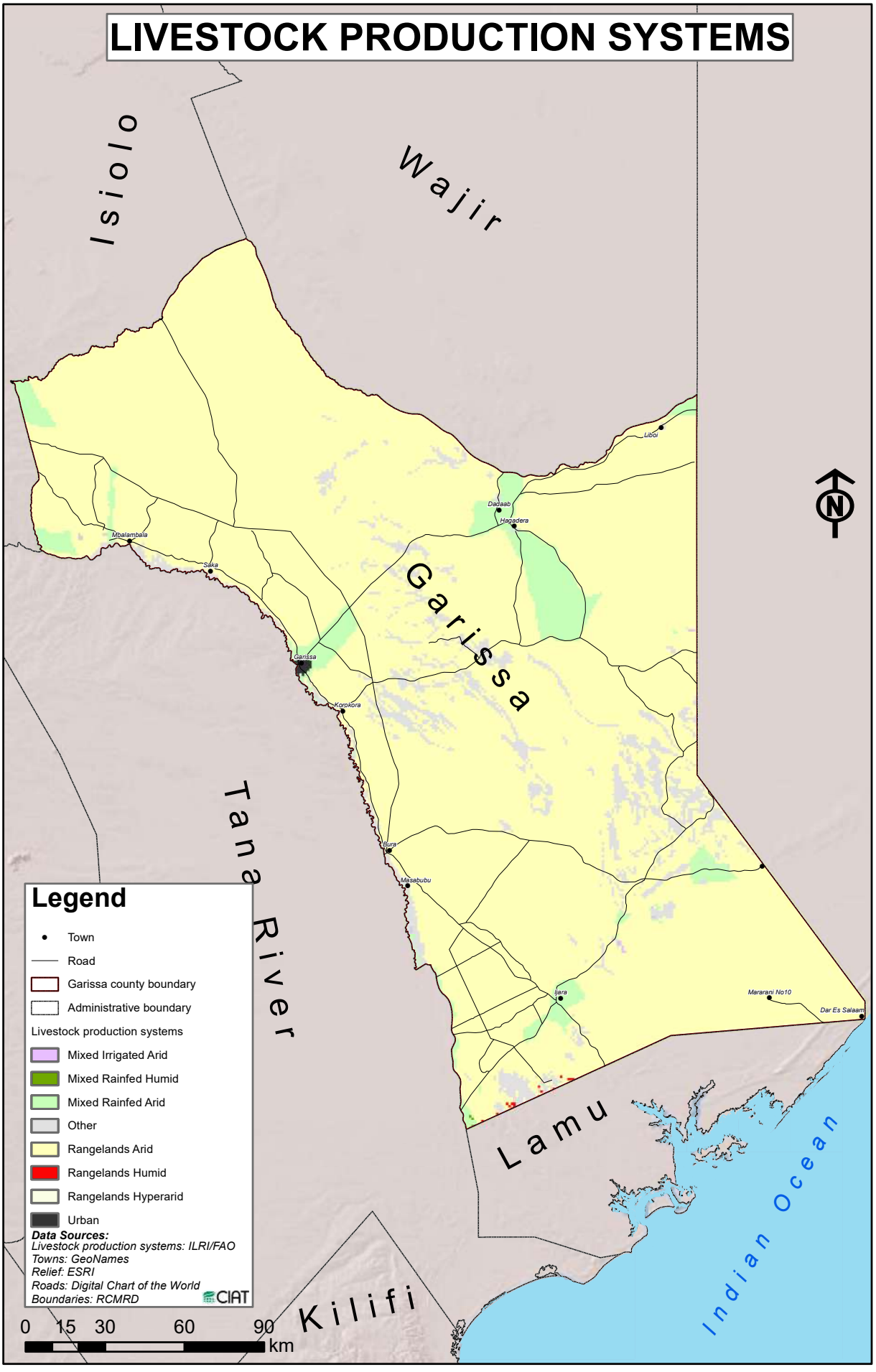
Agro-Ecological Zones Baseline Map 1
Baseline Map 2
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Farming Systems Map 4
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Mean Temperature Map 8
Population Density Map 9
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Soil Classes Map 11
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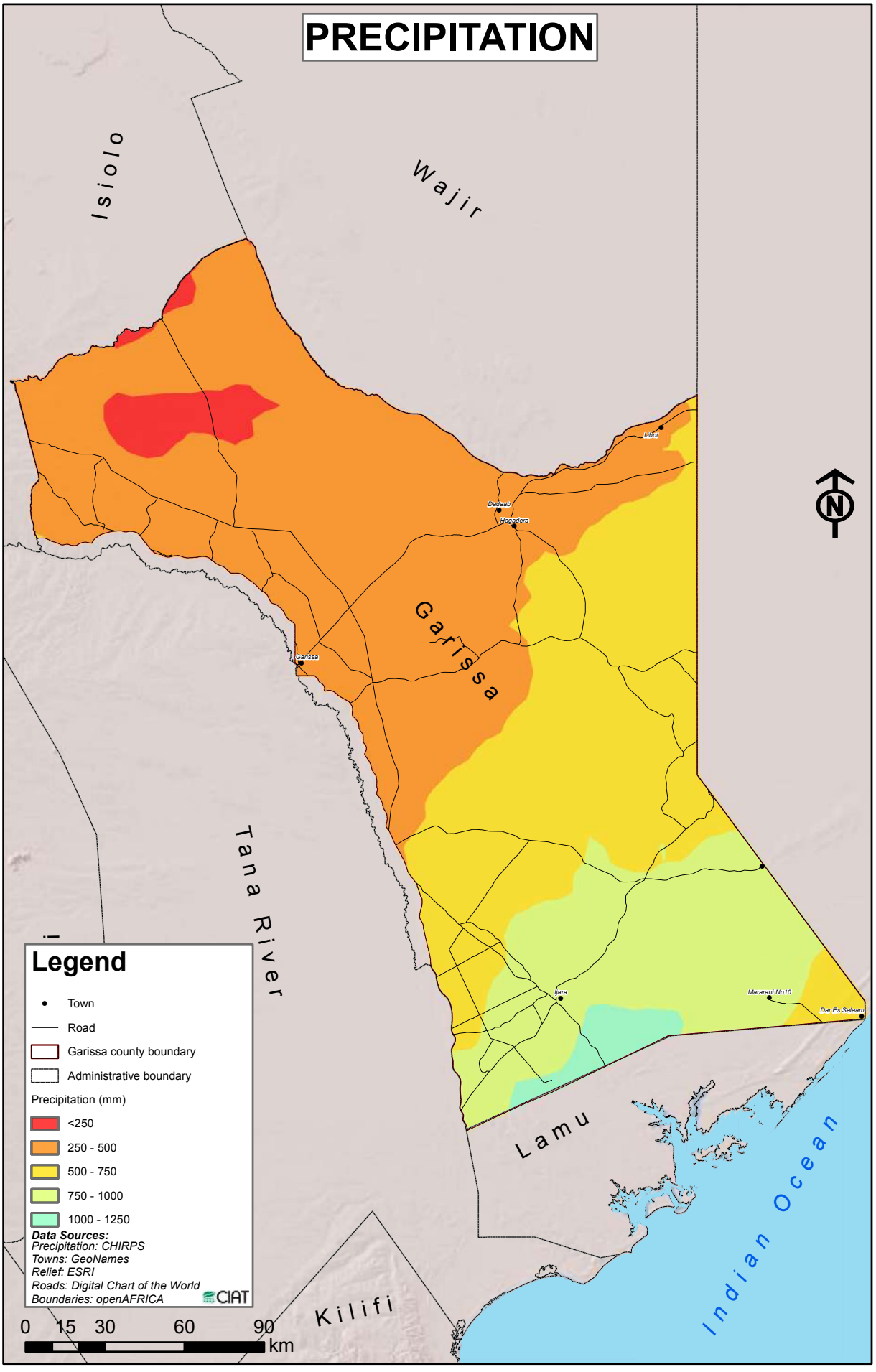

BASELINE MAP
Isiolo
Wajir
Garissa
Tana River
Kitui
Lamu
Kilifi
Indian Ocean
Liboi
Dadaab
Hegadera
Garissa
Iiara
Mararani No10
Dar Es Salaam
N
Legend
Town
Road
Rivers
Non-Perennial
Perennial
Garissa county boundary
Administrative boundary
Data Sources:
Rivers: RCMRD
Towns: GeoNames
Relief: ESRI; Basemap: OpenStreetMap
Roads: Digital Chart of the World
Boundaries: openAFRICA
CIAT
0 15 30 60 90
km

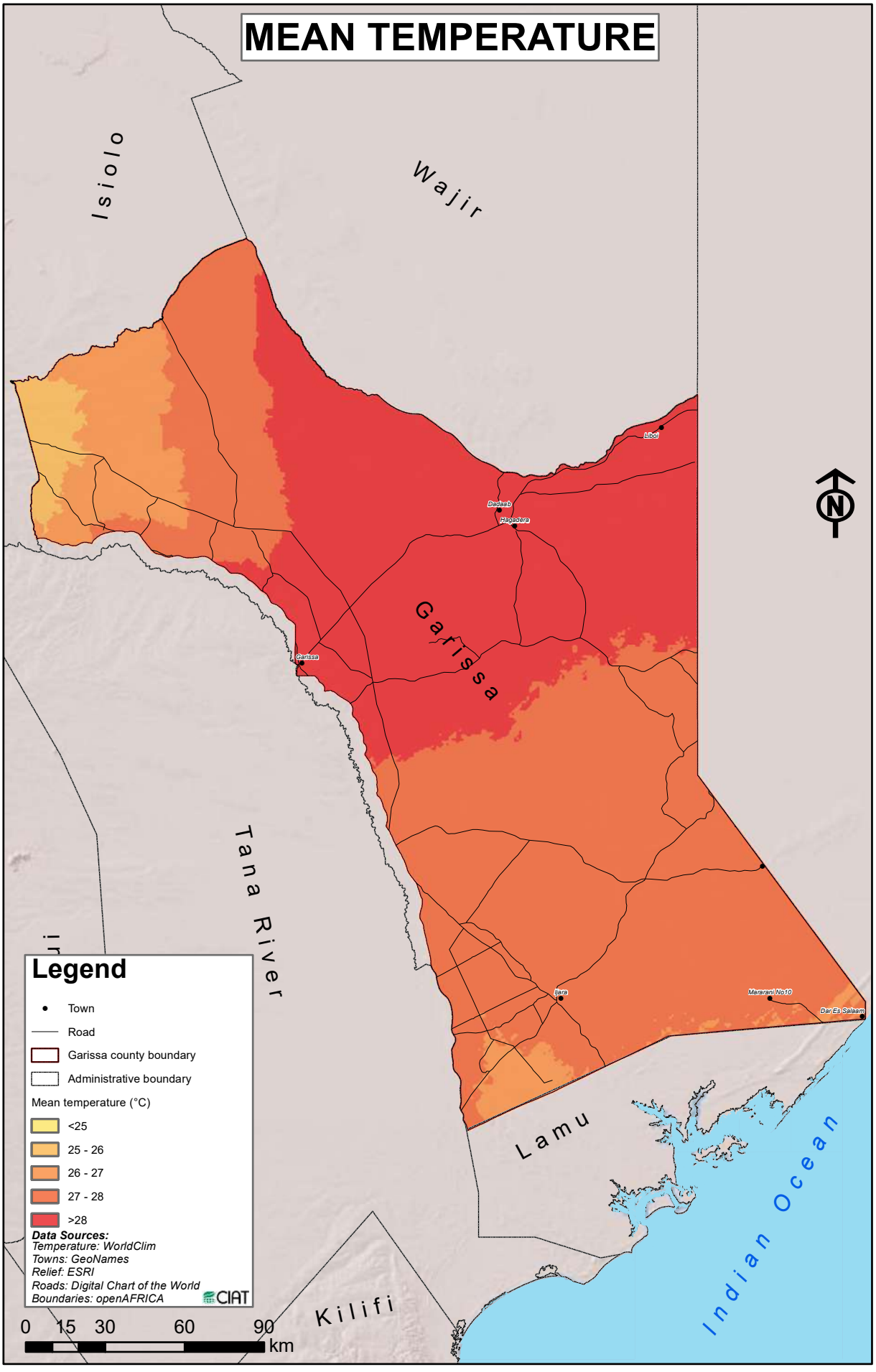

ELEVATION
Isiolo
Wajir
Garissa
Tana River
Lamu
Kilifi
Indian Ocean
Liboi
Dadaab
Hegadera
Garissa
Iara
Mararani No10
Dar Es Salaam
Legend
Town
Road
Garissa county boundary
Administrative boundary
Elevation (m)
<50
50 - 100
100 - 250
250 - 500
500 - 750
>750
Data Sources:
Elevation: SRTM 90m
Towns: GeoNames
Relief: ESRI
Roads: Digital Chart of the World
Boundaries: openAFRICA
CIAT
0 15 30 60 90
km

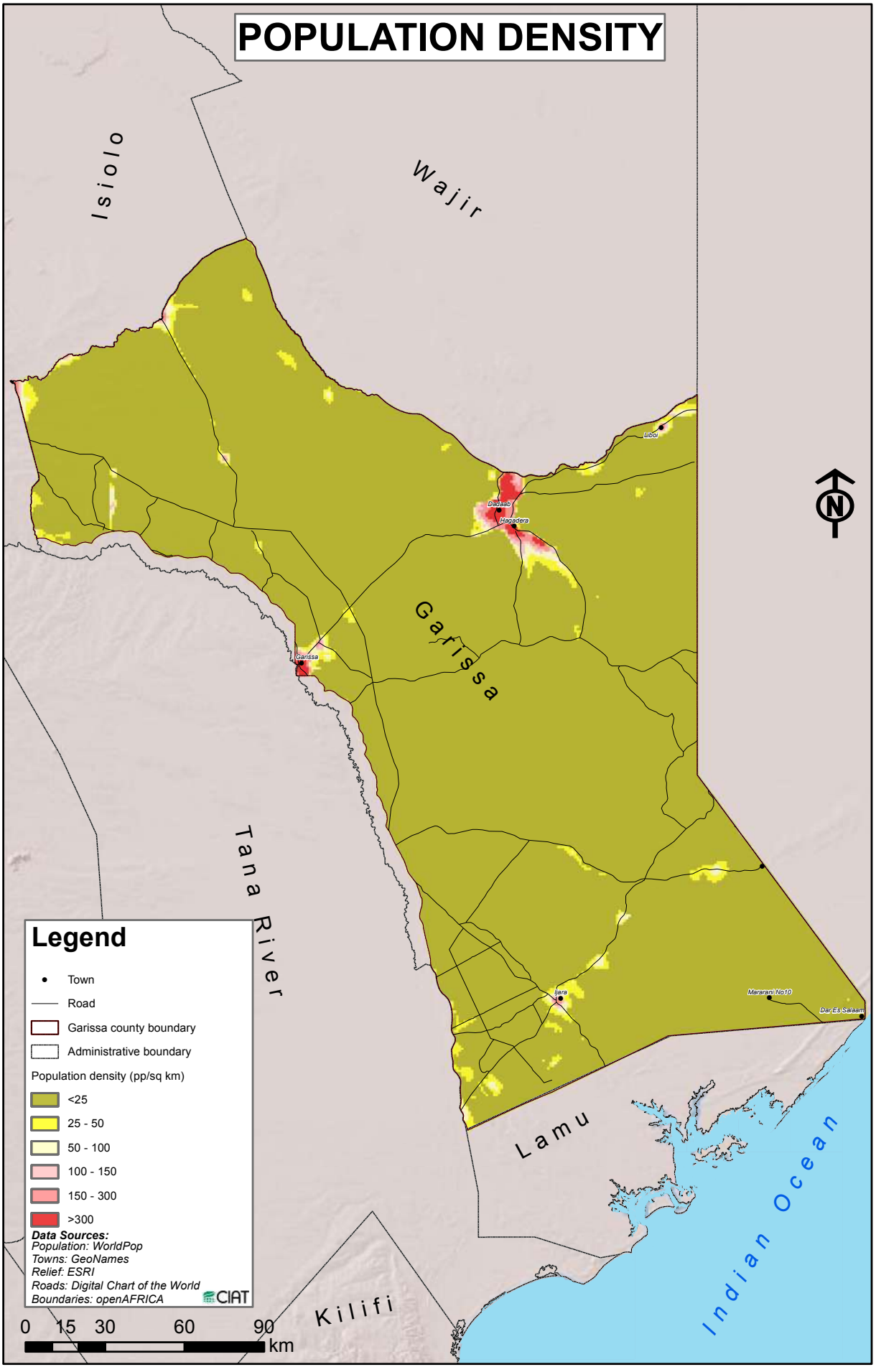

FARMING SYSTEMS
Isiolo
Wajir
Garissa
Tana River
Lamu
Kilifi
Indian Ocean
Libói
Dadaab
Hegadera
Garissa
Iara
Mararani No10
Legend
Town
Road
Garissa county boundary
Administrative boundary
Farming systems
31 Mangrove deltaic fish based sub-system
35 Eastern African pastoral sub-system
Data Sources:
Farming systems: FAO
Towns: GeoNames
Relief: ESRI
Roads: Digital Chart of the World
Boundaries: openAFRICA
CIAT
0 15 30 60 90
km

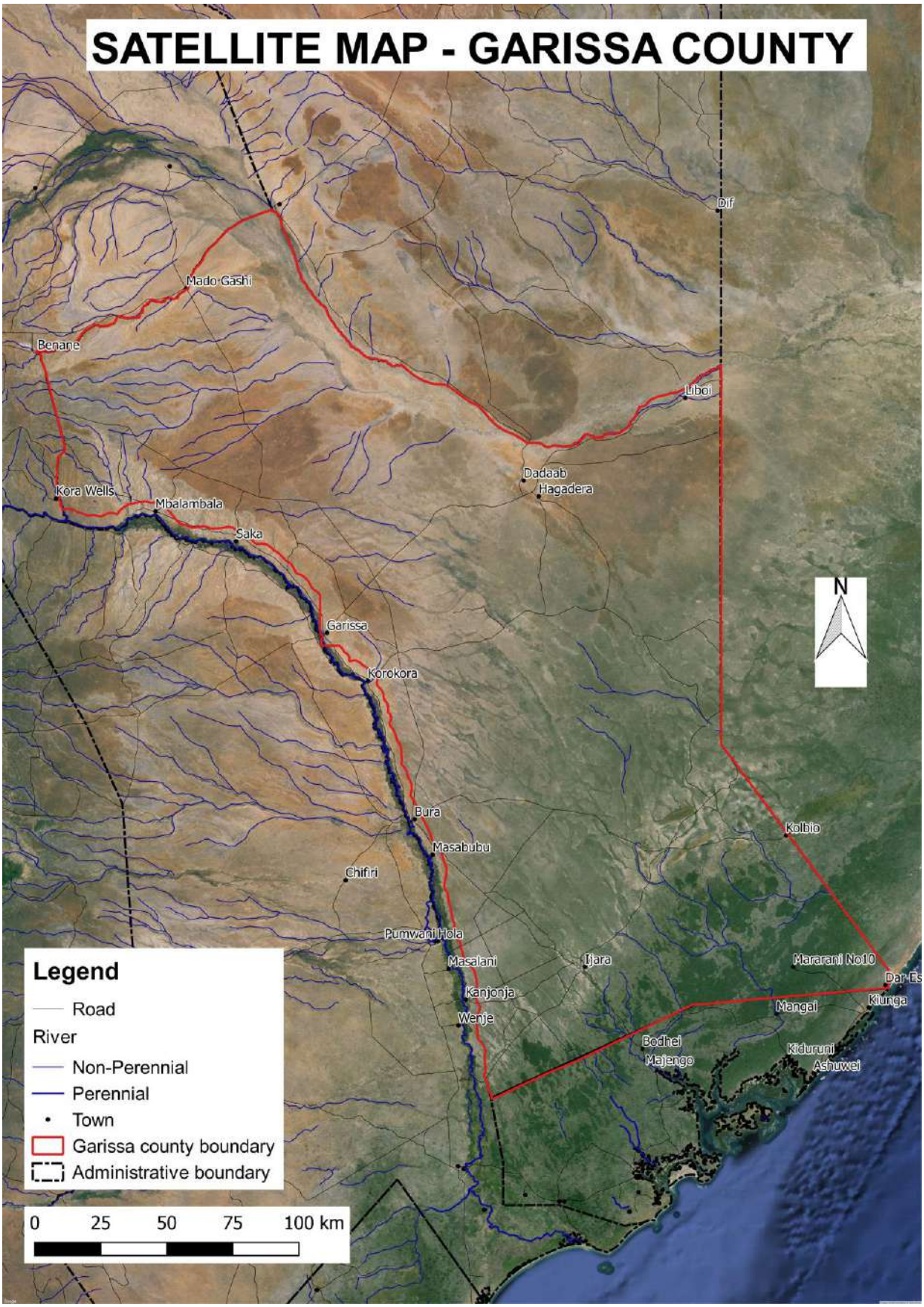

LAND COVER
Isiolo
Wajir
Garissa
Tana River
Lamu
Kilifi
Indian Ocean
Liboi
Dadaab
Hegadera
Garissa
Iara
Ras E. Salaam
Legend
Town
Road
Garissa county boundary
Administrative boundary
Land cover
Artificial surface
Bare land
Cultivated land
Forest
Grassland
Shrubland
Water body
Wetland
Data Sources:
Land cover: GlobeLand30
Towns: GeoNames
Relief: ESRI
Roads: Digital Chart of the World
Boundaries: openAFRICA
CIAT
0 15 30 60 90
km
N

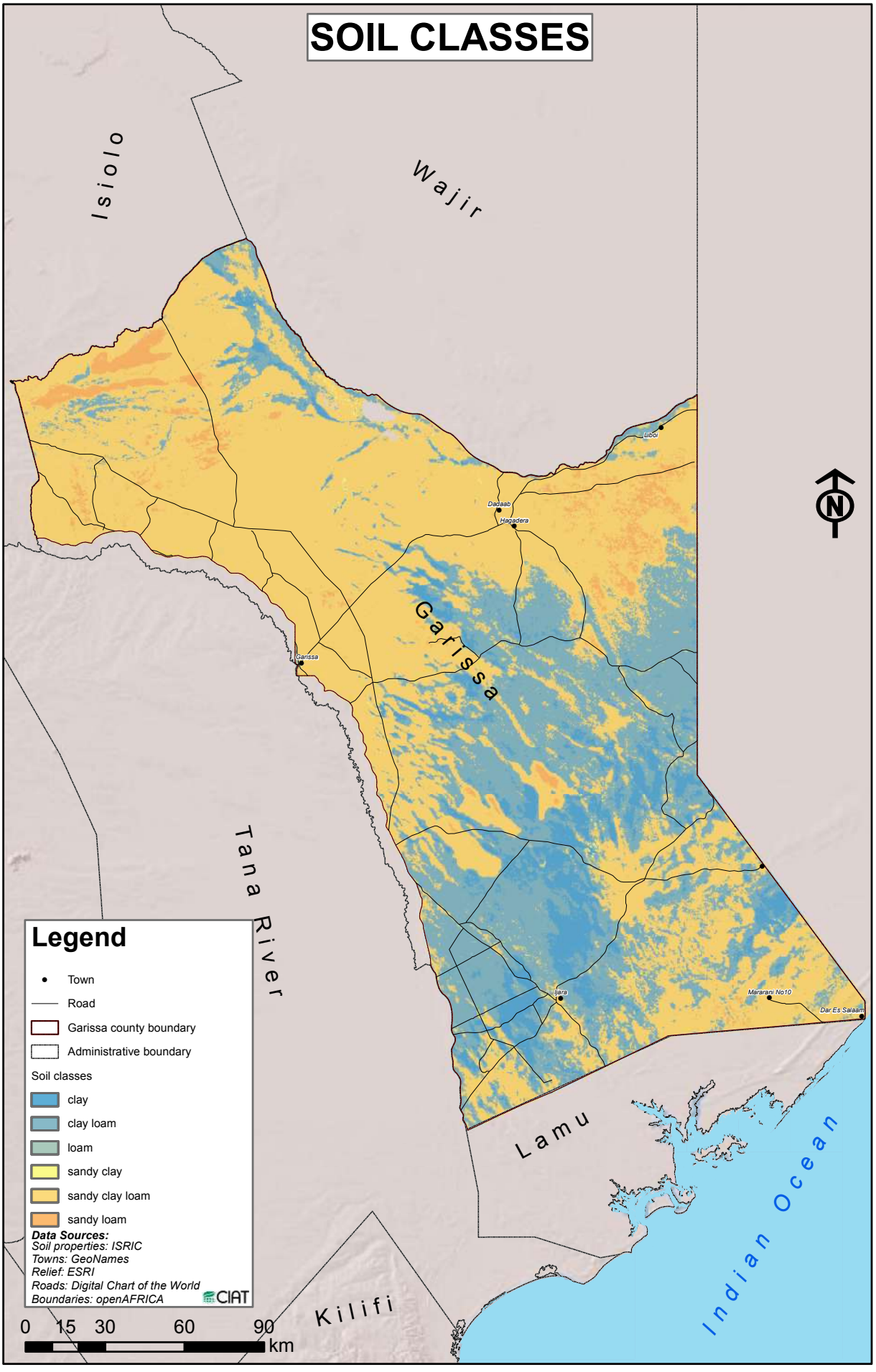

LIVESTOCK PRODUCTION SYSTEMS
Isiolo
Wajir
Garissa
Tana River
Lamu
Kilifi
Indian Ocean
Liboi
Dadaab
Hegadera
Mbalambala
Saka
Garissa
Korokora
Bura
Masabubu
Iiara
Mararani No10
Dar Es Salaam
Legend
Town
Road
Garissa county boundary
Administrative boundary
Livestock production systems
Mixed Irrigated Arid
Mixed Rainfed Humid
Mixed Rainfed Arid
Other
Rangelands Arid
Rangelands Humid
Rangelands Hyperarid
Urban
Data Sources:
Livestock production systems: ILRI/FAO
Towns: GeoNames
Relief: ESRI
Roads: Digital Chart of the World
Boundaries: RCMRD
CIAT
0 15 30 60 90
km

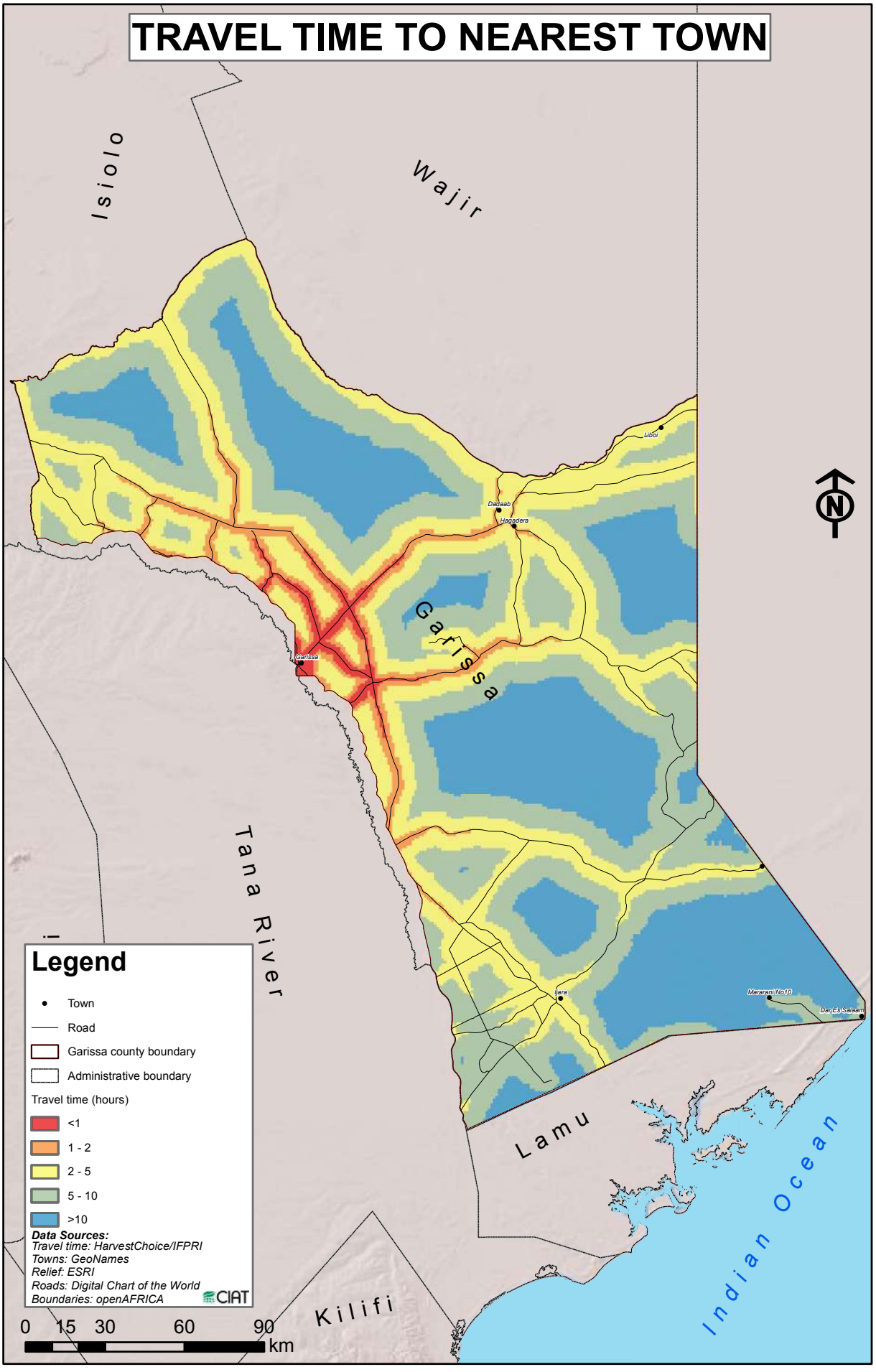

PRECIPITATION
Isiolo
Wajir
Garissa
Tana River
Lamu
Kilifi
Indian Ocean
Liboi
Dadaab
Hegadera
Garissa
Iiara
Mararani No10
Dar Es Salaam
N
Legend
Town
Road
Garissa county boundary
Administrative boundary
Precipitation (mm)
<250
250 - 500
500 - 750
750 - 1000
1000 - 1250
Data Sources:
Precipitation: CHIRPS
Towns: GeoNames
Relief: ESRI
Roads: Digital Chart of the World
Boundaries: openAFRICA
CIAT
0 15 30 60 90
km


MEAN TEMPERATURE
Isiolo
Wajir
Garissa
Tana River
Lamu
Kilifi
Indian Ocean
Liboi
Dadaab
Hagadera
Garissa
Iiara
Mararani No10
Dar Es Salaam
N
Legend
Town
Road
Garissa county boundary
Administrative boundary
Mean temperature (°C)
<25
25 - 26
26 - 27
27 - 28
>28
Data Sources:
Temperature: WorldClim
Towns: GeoNames
Relief: ESRI
Roads: Digital Chart of the World
Boundaries: openAFRICA
CIAT
0 15 30 60 90
km


POPULATION DENSITY
Isiolo
Wajir
Garissa
Tana River
Lamu
Kilifi
Indian Ocean
Liboi
Dadaab
Hegadera
Garissa
Iara
Mararani No10
Dar Es Salaam
N
Legend
Town
Road
Garissa county boundary
Administrative boundary
Population density (pp/sq km)
<25
25 - 50
50 - 100
100 - 150
150 - 300
>300
Data Sources:
Population: WorldPop
Towns: GeoNames
Relief: ESRI
Roads: Digital Chart of the World
Boundaries: openAFRICA
CIAT
0 15 30 60 90
km


SATELLITE MAP - GARISSA COUNTY
Dif
Mado Gashi
Benane
Liboi
Dadaab
Hagadera
Kora Wells
Mbalambala
Saka
N
Garissa
Korokora
Bura
Kolbio
Masabubu
Chifiri
Pumwani Hola
Masalani
Ijara
Mararani No10
Kanjonja
Mangai
Kilunga
Wenje
Bodhei
Majengo
Kiduruni
Ashuwei
Legend
Road
River
Non-Perennial
Perennial
Town
Garissa county boundary
Administrative boundary
0
25
50
75
100 km


SOIL CLASSES
Isiolo
Wajir
Garissa
Tana River
Lamu
Kilifi
Indian Ocean
Liboi
Dadaab
Hegadera
Garissa
Iara
Mararani No10
Dar Es Salaam
N
Legend
Town
Road
Garissa county boundary
Administrative boundary
Soil classes
clay
clay loam
loam
sandy clay
sandy clay loam
sandy loam
Data Sources:
Soil properties: ISRIC
Towns: GeoNames
Relief: ESRI
Roads: Digital Chart of the World
Boundaries: openAFRICA
CIAT
0 15 30 60 90
km


TRAVEL TIME TO NEAREST TOWN
Isiolo
Wajir
Garissa
Tana River
Lamu
Kilifi
Indian Ocean
Liboi
Dadaab
Hegadera
Garissa
Iara
Mararani No10
Dar Es Salaam
N
Legend
Town
Road
Garissa county boundary
Administrative boundary
Travel time (hours)
<1
1 - 2
2 - 5
5 - 10
>10
Data Sources:
Travel time: HarvestChoice/IFPRI
Towns: GeoNames
Relief: ESRI
Roads: Digital Chart of the World
Boundaries: openAFRICA
CIAT
0 15 30 60 90
km