REVIEW OF THE SPATIAL DEVELOPMENT FRAMEWORK FOR MKHAMBATHINI MUNICIPALITY

SDF MAP BOOK

SPATIAL DEVELOPMENT FRAMEWORK MAPS

JUNE 2019

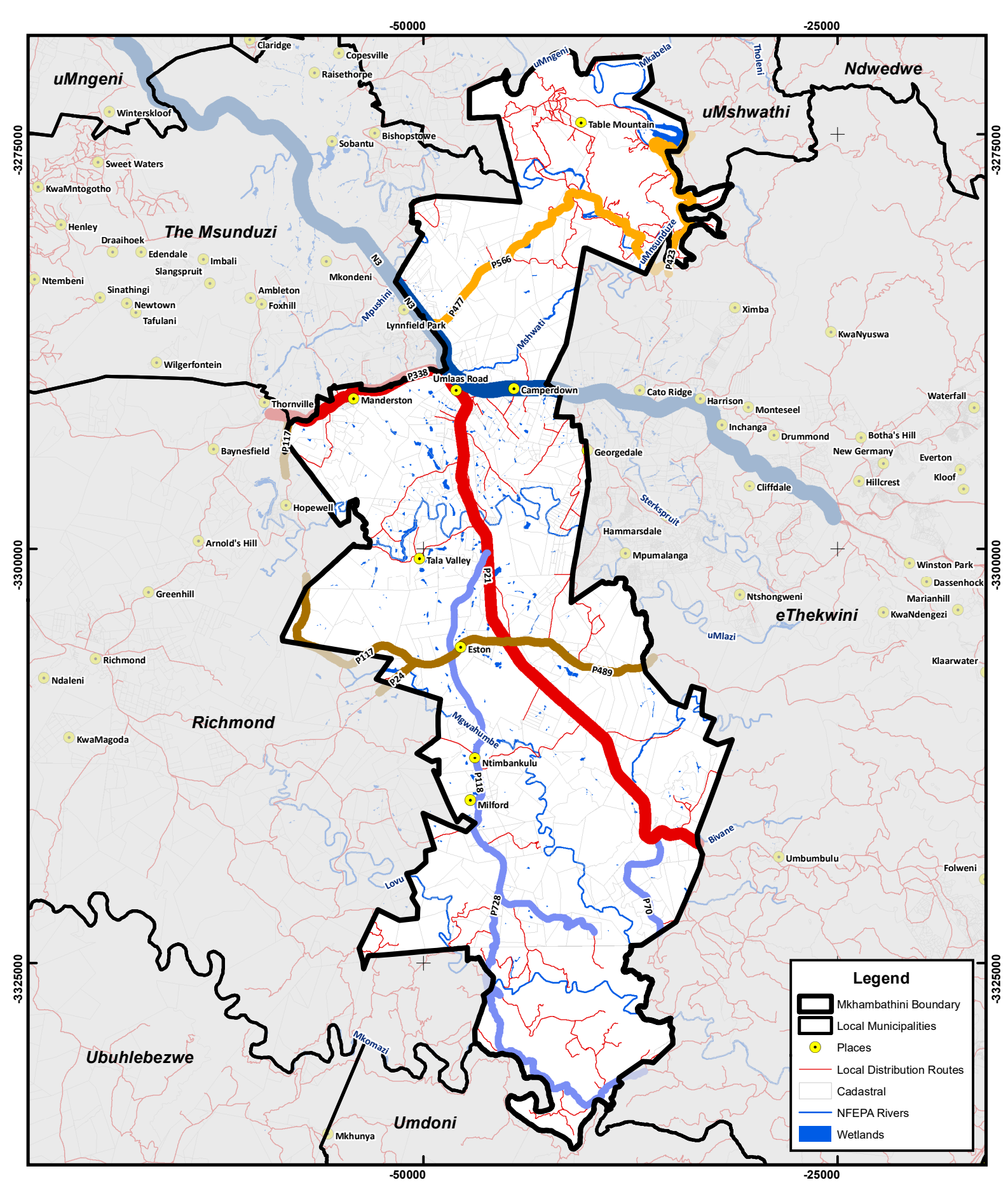
MKHAMBATHINI Municipality
For the community
uMkhandlu Wabantu

uMGUNGUNDLOVU
UMASIPALA WESIPUNDA
DISTRICT MUNICIPALITY
DISTRIK MUNISIPALITEIT

SANBI
Biodiversity for Life
South African National Biodiversity Institute

SDF Maps

1. Development Corridors
2. Development Nodes
3. Settlement Framework
4. Proposed Nature Reserve (Right 2 Life)
5. Terrestrial Biodiversity Framework
6. Water Resource Framework
7. Environmental Framework
8. Disaster Risk and Climate Change Adaption Framework
9. Agricultural Framework
10. Economic Framework
11. Composite SDF map
12. Capital Investment Framework – Improving Movement And Access
13. Capital Investment Framework (Various nodal, human settlement and Service Infrastructure Developments
14. Capital Investment Framework (Social Facilities)
15. Capital Investment Framework (Economic Development)
16. Capital Investment Framework (Spatial Planning)



Legend

- National/Provincial Movement Corridor
- Primary Corridor
- Secondary Corridor
- Secondary Movement Corridor
- Tourism Corridor

DATA SOURCES:
Towns: Cogta
Roads: DOT
Municipal/Ward Boundaries: MDB
Stats: STATSSA
Agric Land Cover: DAG
Environmental Data: KZN Wildlife2016
Land Reform: DRDLR
Cadastral: KZN SGO

Datum: WGS84

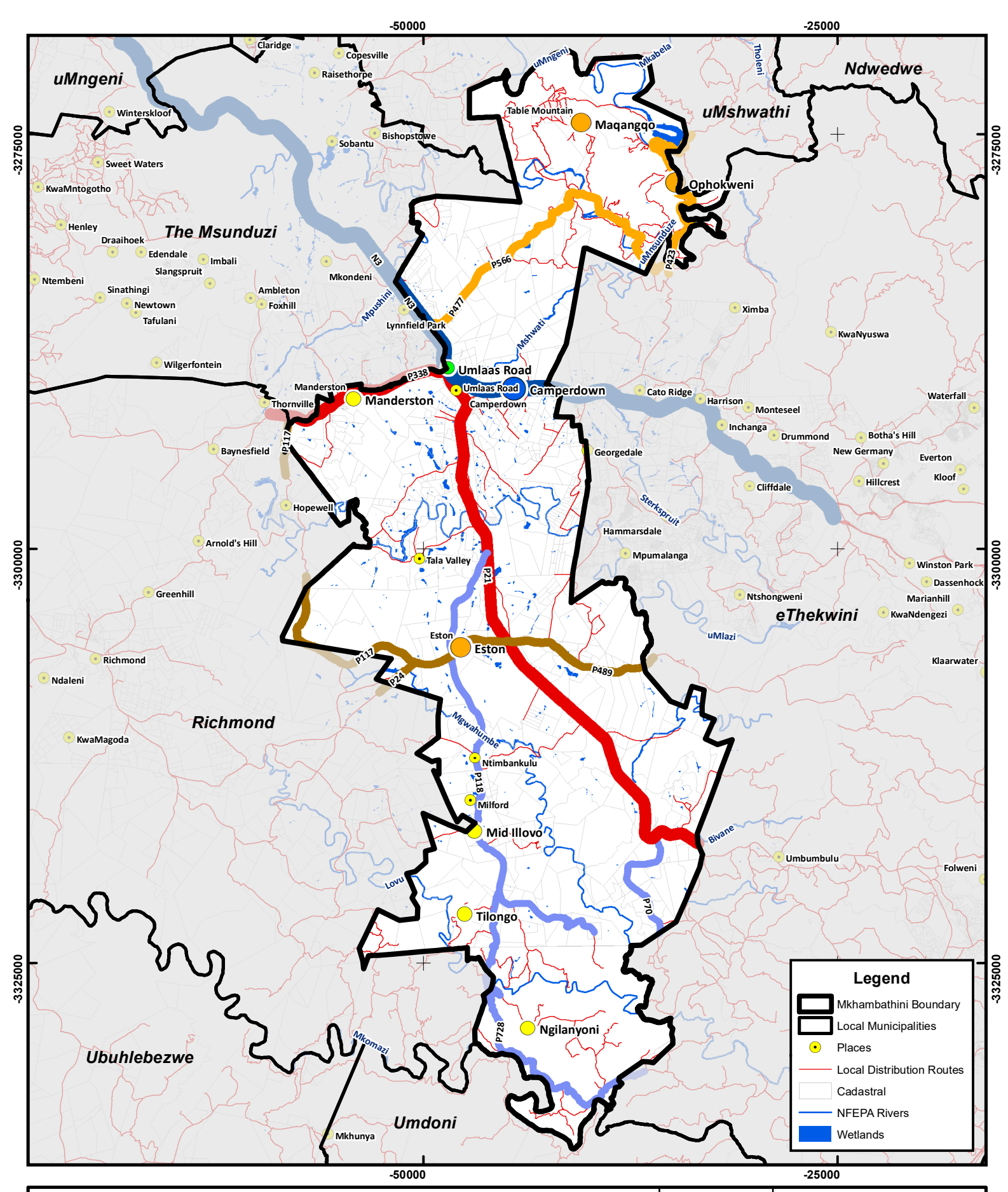
Date: May 2019

0 1,5 3 6
Kilometers

SPATIAL DEVELOPMENT FRAMEWORK : REVIEW 2019

Corridors

MKHAMBATHINI Municipality
For the community



Legend

- Municipal Development Node
- Secondary Municipal Development Node
- Satellite/Incipient Municipal Development Node
- Gateway Node
- National/Provincial Movement Corridor
- Primary Corridor
- Secondary Corridor
- Secondary Movement Corridor
- Tourism Corridor

DATA SOURCES:
Towns: Cogta
Roads: DOT
Municipal/Ward Boundaries: MDB
Stats: STATSSA
Agric Land Cover: DAG
Environmental Data: KZN Wildlife2016
Land Reform: DRDLR
Cadastral: KZN SGO

Datum: WGS84

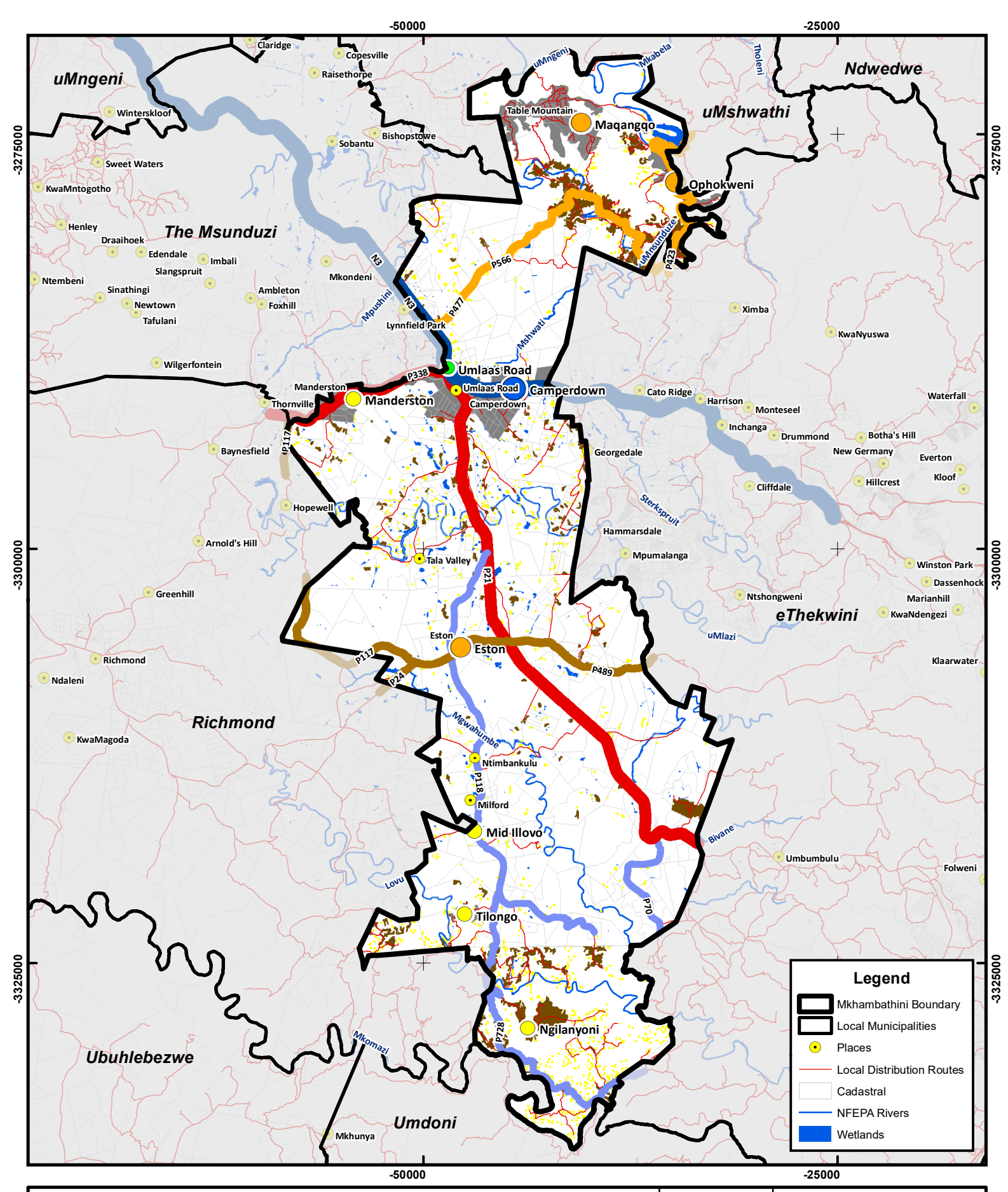
Date: May 2019

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Kilometers

SPATIAL DEVELOPMENT FRAMEWORK : REVIEW 2019

Nodes and Corridors

MKHAMBATHINI Municipality
For the community



Legend

- Municipal Development Node
- Secondary Municipal Development Node
- Satellite/Incipient Municipal Development Node
- Gateway Node
- National/Provincial Movement Corridor
- Primary Corridor
- Secondary Corridor
- Secondary Movement Corridor
- Tourism Corridor
- Urban Settlements
- Dense Rural Settlement
- Scattered Rural Settlement

DATA SOURCES:
Towns: Cogta
Roads: DOT
Municipal/Ward Boundaries: MDB
Stats: STATSSA
Agric Land Cover: DAG
Environmental Data: KZN Wildlife2016
Land Reform: DRDLR
Cadastral: KZN SGO

N

Datum: WGS84

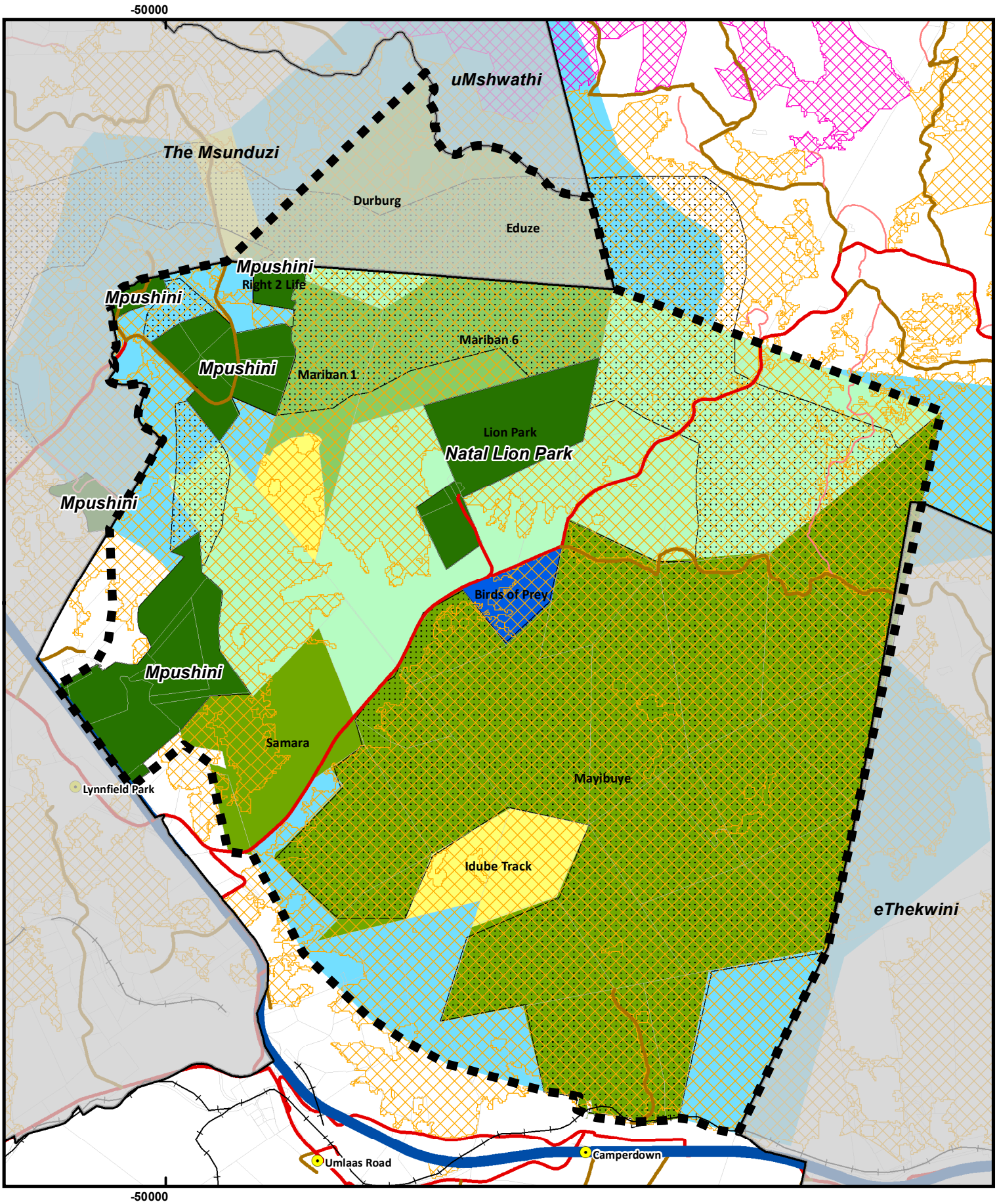
Date: May 2019

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Kilometers

SPATIAL DEVELOPMENT FRAMEWORK : REVIEW 2019

Settlements

MKHAMBATHINI Municipality
For the community



Legend

- Proposed Nature Reserve Boundary (9860ha)
- Local Municipalities
- Places
- Railway Lines
- National Road
- Provincial Road
- District Road
- Local Road
- Cadastral
- Protected Areas
- KZN CBA Irreplaceable
- KZN CBA Optimal
- KZN ESA
- Proclaimed Reserves
- Committed Reserves
- Uncommitted Reserves
- Stewardship Reserves
- Support Reserves
- Livestock + Chick Feeds + Activities

DATA SOURCES:
Towns: Cogta
Roads: DOT
Municipal/Ward Boundaries: MDB
Stats: STATSSA
Agric Land Cover: DAG
Environmental Data: KZN Wildlife2016
Land Reform: DRDLR
Cadastral: KZN SGO

N

Datum: WGS84

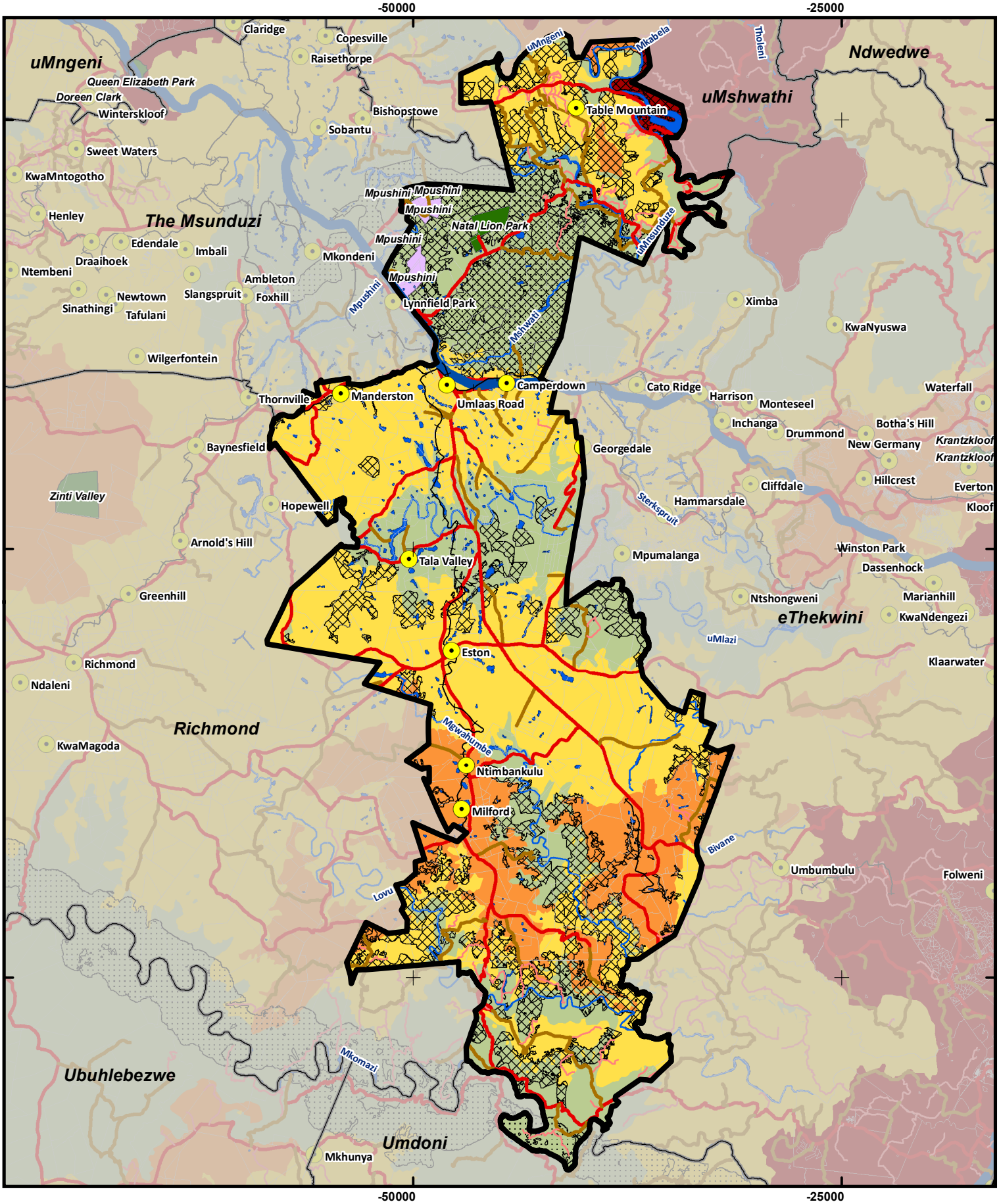
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Kilometers

SPATIAL DEVELOPMENT FRAMEWORK : REVIEW 2019

Proposed Nature Reserves

MKHAMBATHINI Municipality
For the community



Legend

- Mkhambathini Boundary
- Local Municipalities
- Places
- Railway Lines
- National Road
- Provincial Road
- District Road
- Local Road
- Cadastral
- NFEPA Rivers
- NFEPA Rivers 32m Buffer
- Wetlands
- Wetlands 32m Buffer
- Stewardship Sites
- Protected Areas
- CBA Areas
- ESA Areas

National Threatened Ecosystems

- Critically Endangered
- Endangered
- Least Threatened
- Vulnerable

DATA SOURCES:
Towns: Cogta
Roads: DOT
Municipal/Ward Boundaries: MDB
Environmental: Ezemvelo KZN Wildlife (2017)
Cadastral: KZN SGO

Datum: WGS84

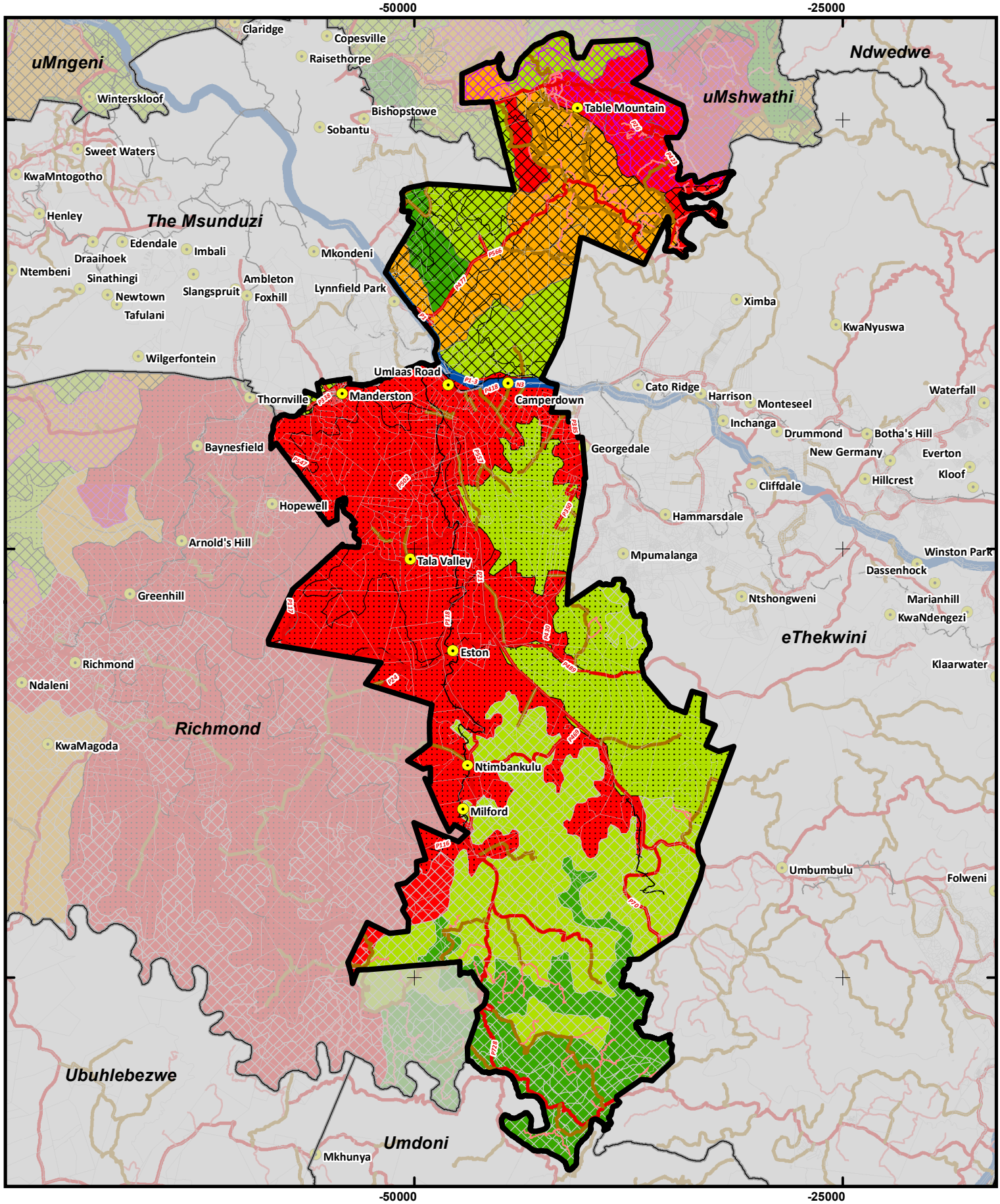
Date: May 2019

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Kilometers

SPATIAL DEVELOPMENT FRAMEWORK : REVIEW 2019

Terrestrial Biodiversity Framework

MKHAMBATHINI Municipality



Legend

- Mkhambathini Boundary
- Local Municipalities
- Places
- Cadastral
- Railway Lines
- National Road
- Provincial Road
- District Road
- Local Road

Water Quality

- Low Sensitivity / Low Constraint
- Moderate Sensitivity / Moderate Constraint
- High Sensitivity / High Constraint
- Very High Sensitivity / Very High Constraint

Water Yield

- Low Sensitivity / Low Constraint
- Moderate Sensitivity / Moderate Constraint
- High Sensitivity / High Constraint
- Very High Sensitivity / Very High Constraint

DATA SOURCES:
Towns: Cogta
Roads: DOT
Municipal/Ward Boundaries: MDB
Water: Umgeni/UMDM
Cadastral: KZN SGO

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Datum: WGS84

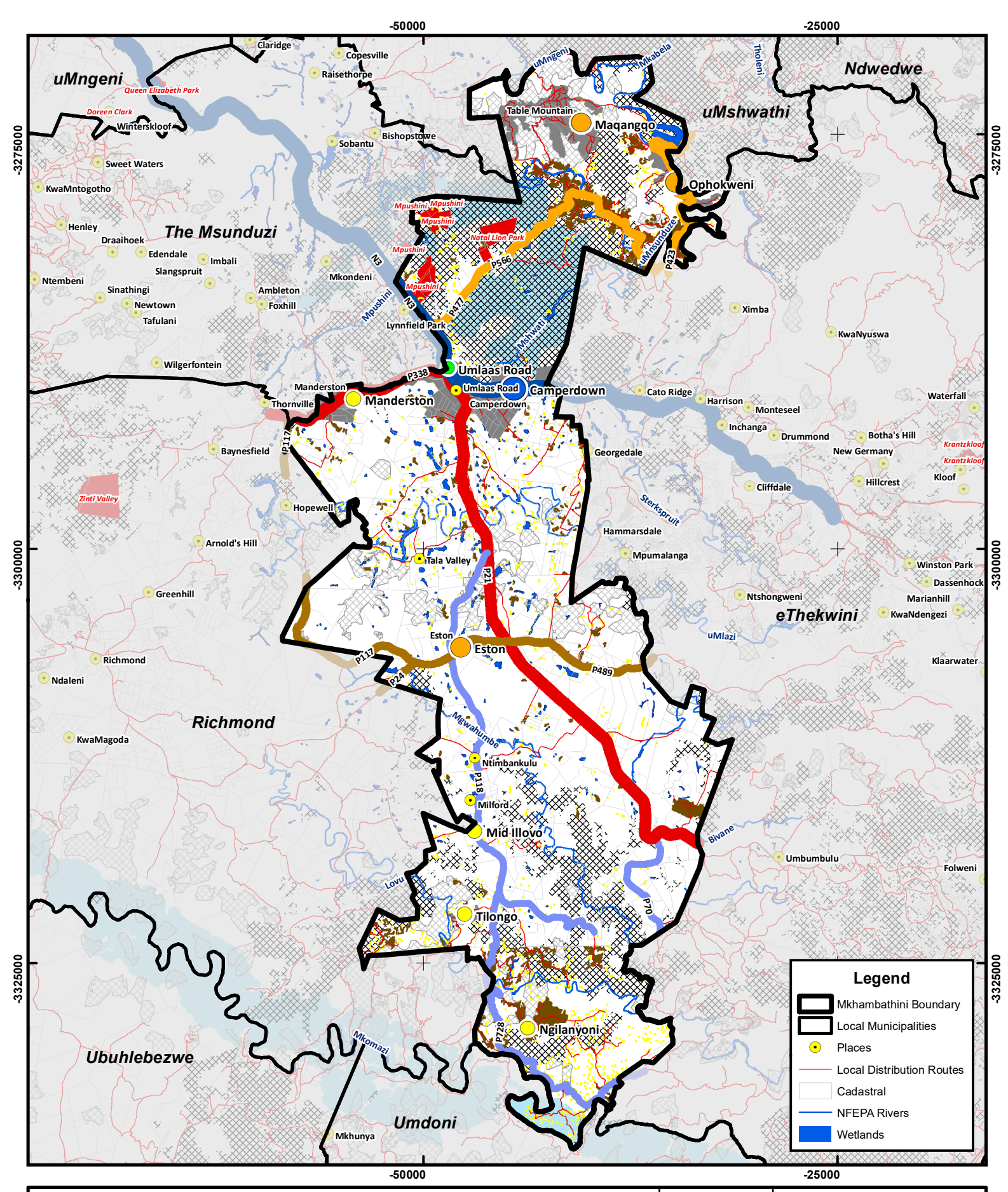
Date: May 2019

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Kilometers

SPATIAL DEVELOPMENT FRAMEWORK : REVIEW 2019

Water Resources Framework

MKHAMBATHINI Municipality
For the community



Legend

- Municipal Development Node
- Secondary Municipal Development Node
- Satellite/Incipient Municipal Development Node
- Gateway Node
- National/Provincial Movement Corridor
- Primary Corridor
- Secondary Corridor
- Secondary Movement Corridor
- Tourism Corridor
- Urban Settlements
- Dense Rural Settlement
- Scattered Rural Settlement
- NFEPA Rivers 32m Buffer
- Wetlands 32m Buffer
- Protected Areas
- KZN CBA Irreplaceable
- CBA Optimal
- KZN ESA

DATA SOURCES:
Towns: Cogta
Roads: DOT
Municipal/Ward Boundaries: MDB
Stats: STATSSA
Agric Land Cover: DAG
Environmental Data: KZN Wildlife2016
Land Reform: DRDLR
Cadastral: KZN SGO

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Datum: WGS84

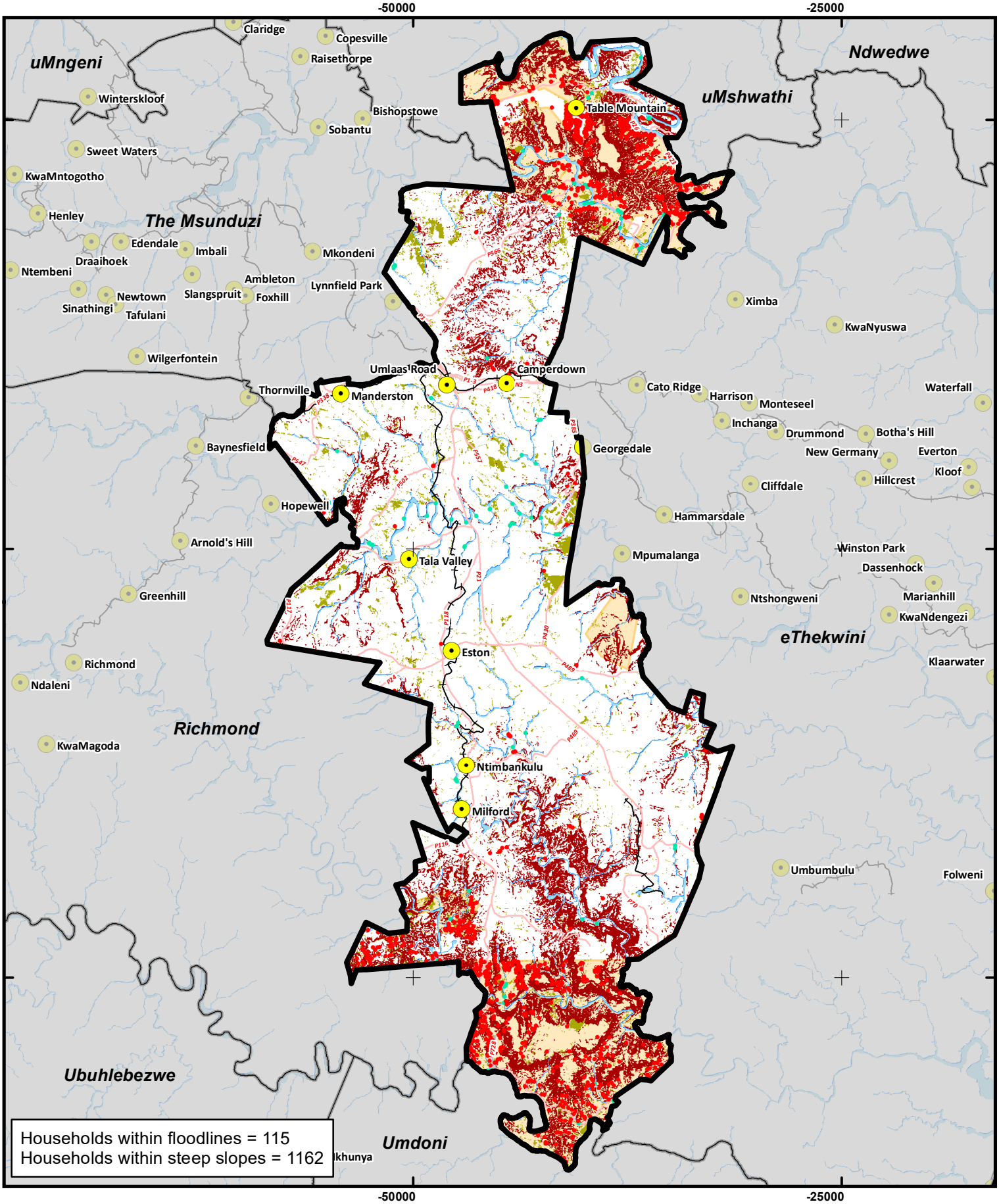
Date: May 2019

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Kilometers

SPATIAL DEVELOPMENT FRAMEWORK : REVIEW 2019

Environmental Sensitivities

MKHAMBATHINI Municipality
For the community



Legend

- Mkhambathini Boundary
- Local Municipalities
- Places
- Households within Steep Slopes
- Households within Floodlines
- Railway Lines
- Floodline 1:20 years
- Floodline 1:50 years
- Floodline 1:100 years
- Steep Slopes
- Landcover Degraded
- Traditional Councils

DATA SOURCES:
Towns: Cogta
Roads: DOT
Municipal/Ward Boundaries: MDB
Cadastral: KZN SGO
Contours: CDSM

N

Datum: WGS84

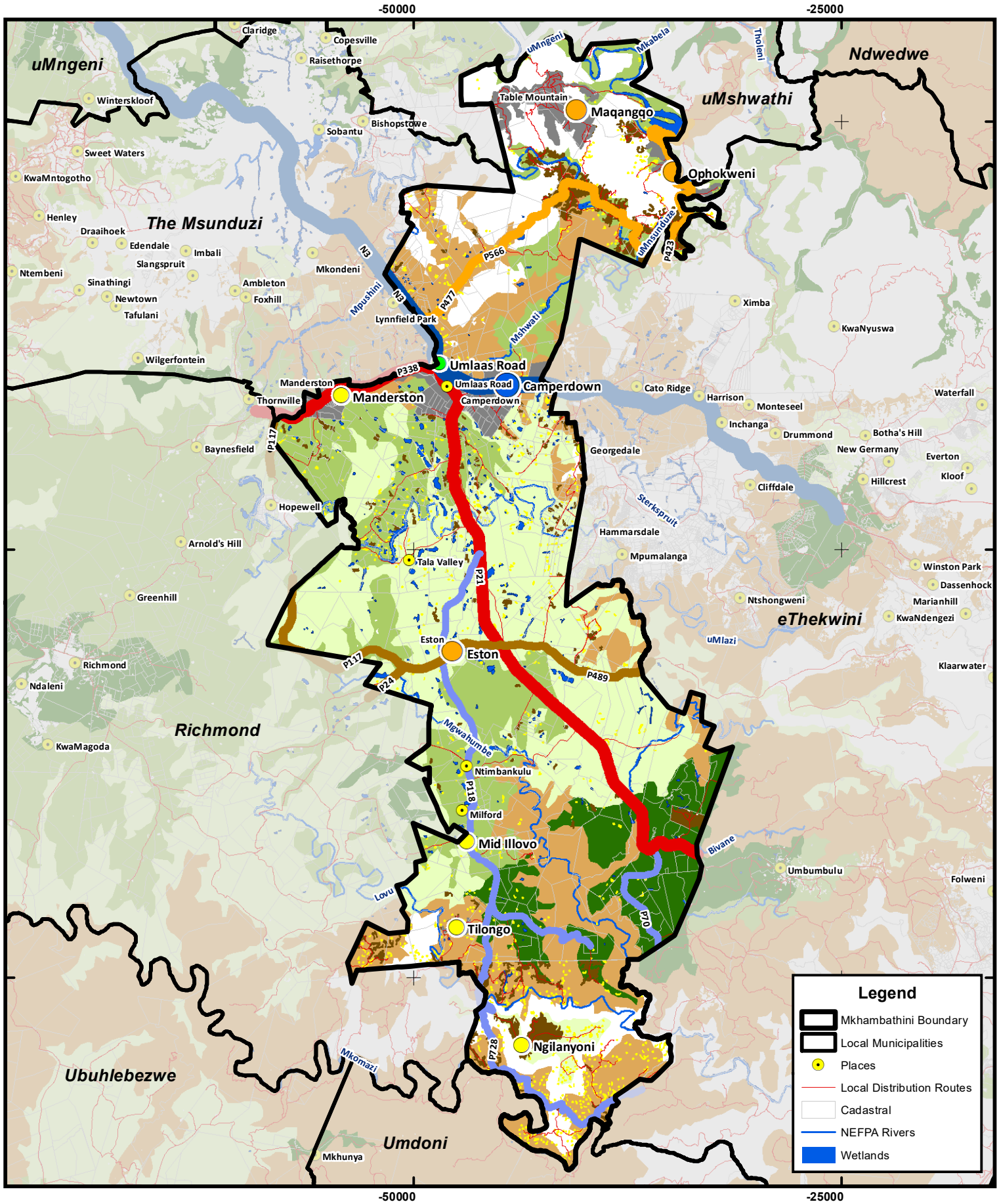
Date: May 2019

0 1,5 3 6
Kilometers

SPATIAL DEVELOPMENT FRAMEWORK : REVIEW 2019

Disaster Risk and Climate Change Adaption Framework

MKHAMBATHINI Municipality
For the community



Legend

- Municipal Development Node
- Secondary Municipal Development Node
- Satellite/Incipient Municipal Development Node
- Gateway Node
- National/Provincial Movement Corridor
- Primary Corridor
- Secondary Corridor
- Secondary Movement Corridor
- Tourism Corridor
- Urban Settlements
- Dense Rural Settlement
- Scattered Rural Settlement
- NEFPA Rivers 32m Buffer
- Wetlands 32m Buffer
- IRREPLACEABLE (very high potential)
- THREATENED (high potential)
- PRIMARY (moderate potential)
- SECONDARY (low potential)

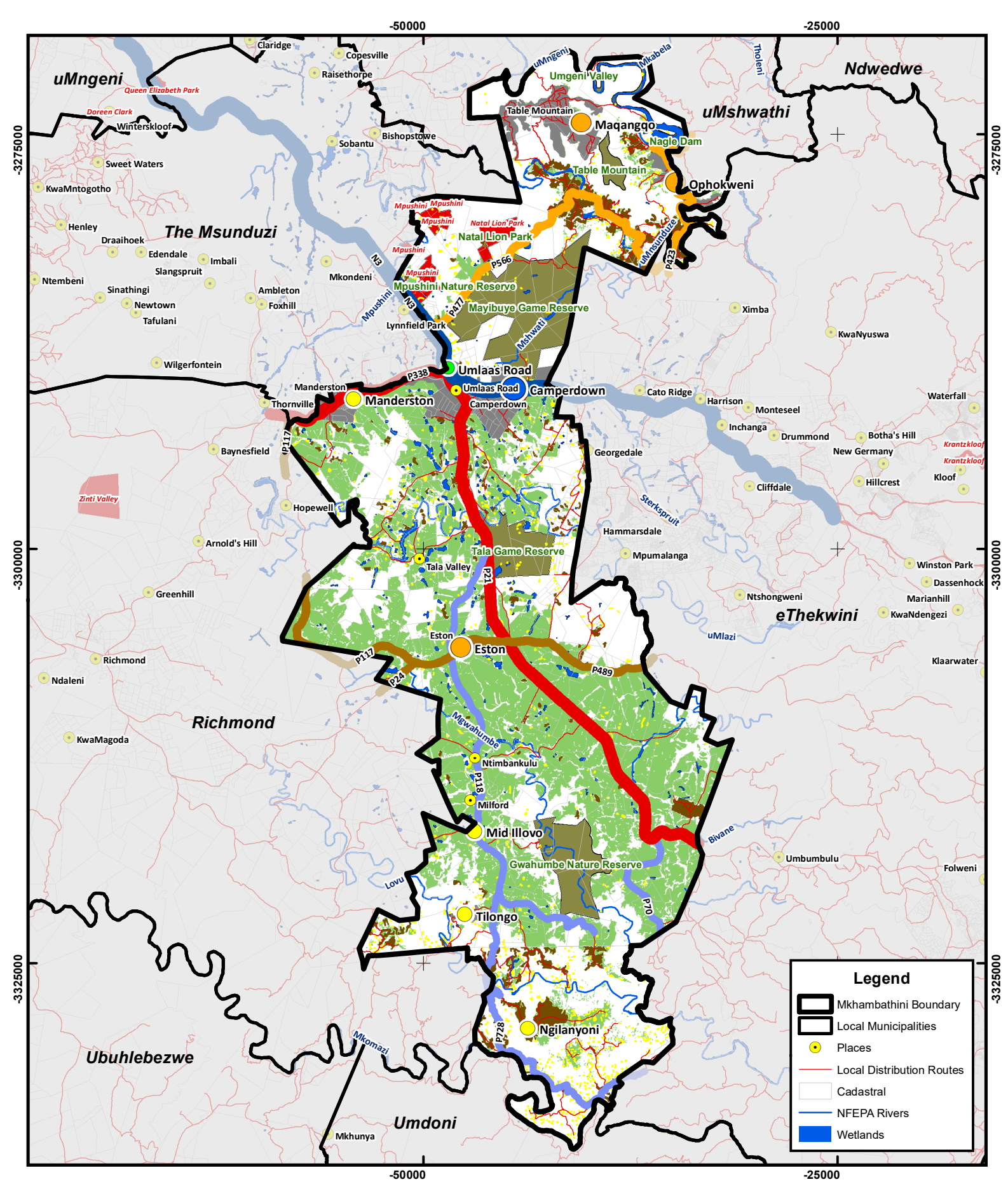
DATA SOURCES:
Towns: Cogta
Roads: DOT
Municipal/Ward Boundaries: MDB
Stats: STATSSA
Agric Land Cover: DAG
Environmental Data: KZN Wildlife2016
Land Reform: DRDLR
Cadastral: KZN SGO

Datum: WGS84
Date: May 2019
0 1,5 3 6
Kilometers

SPATIAL DEVELOPMENT FRAMEWORK : REVIEW 2019

Agricultural Protection

MKHAMBATHINI Municipality



Legend

- Municipal Development Node
- Secondary Municipal Development Node
- Satellite/Incipient Municipal Development Node
- Gateway Node
- National/Provincial Movement Corridor
- Primary Corridor
- Secondary Corridor
- Secondary Movement Corridor
- Tourism Corridor
- Urban Settlements
- Dense Rural Settlement
- Scattered Rural Settlement
- NFEPA Rivers 32m Buffer
- Wetlands 32m Buffer
- Protected Areas
- Nature Based Tourism
- Commercial Agriculture

DATA SOURCES:
Towns: Cogta
Roads: DOT
Municipal/Ward Boundaries: MDB
Stats: STATSSA
Agric Land Cover: DAG
Environmental Data: KZN Wildlife2016
Land Reform: DRDLR
Cadastral: KZN SGO

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Datum: WGS84

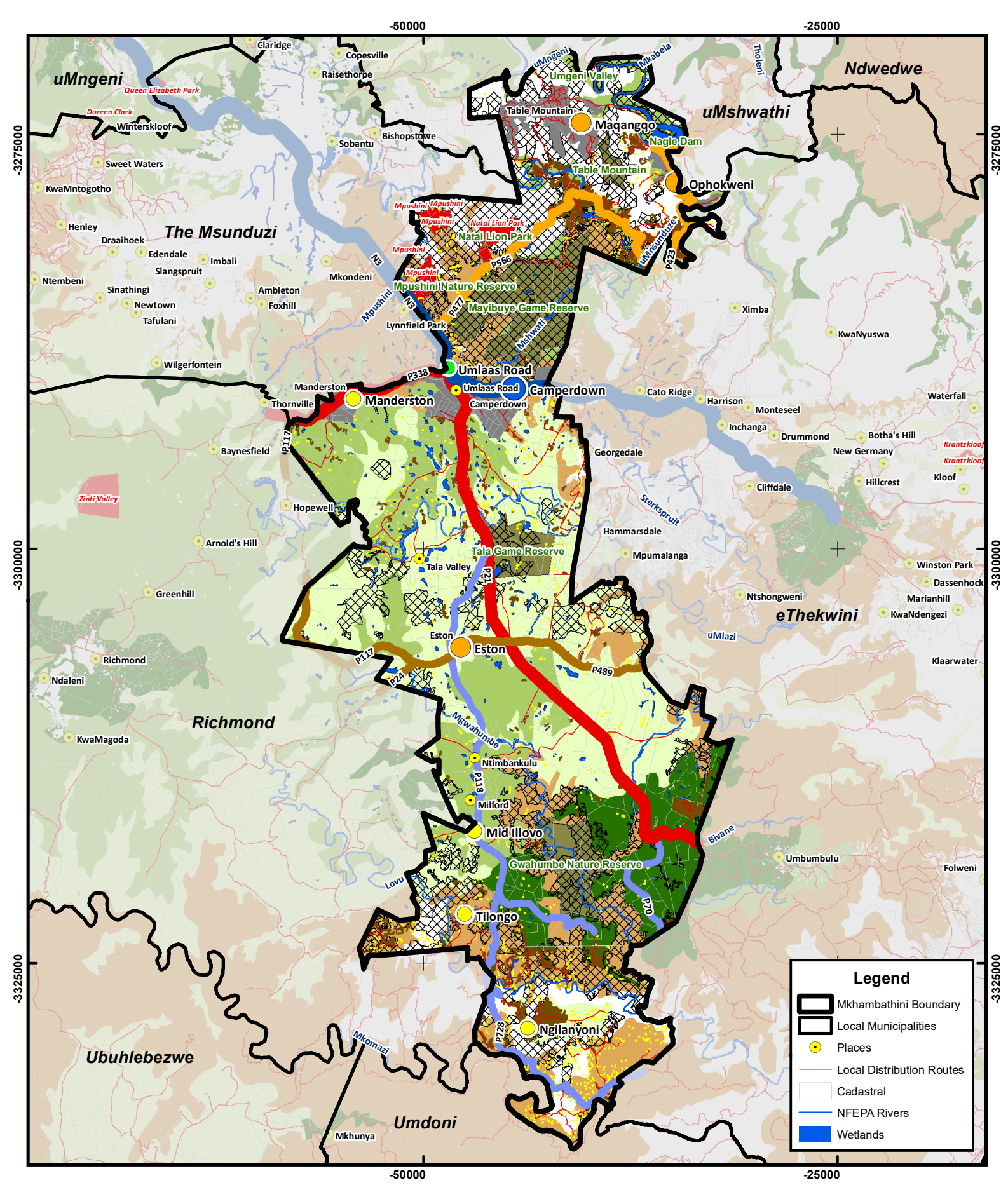
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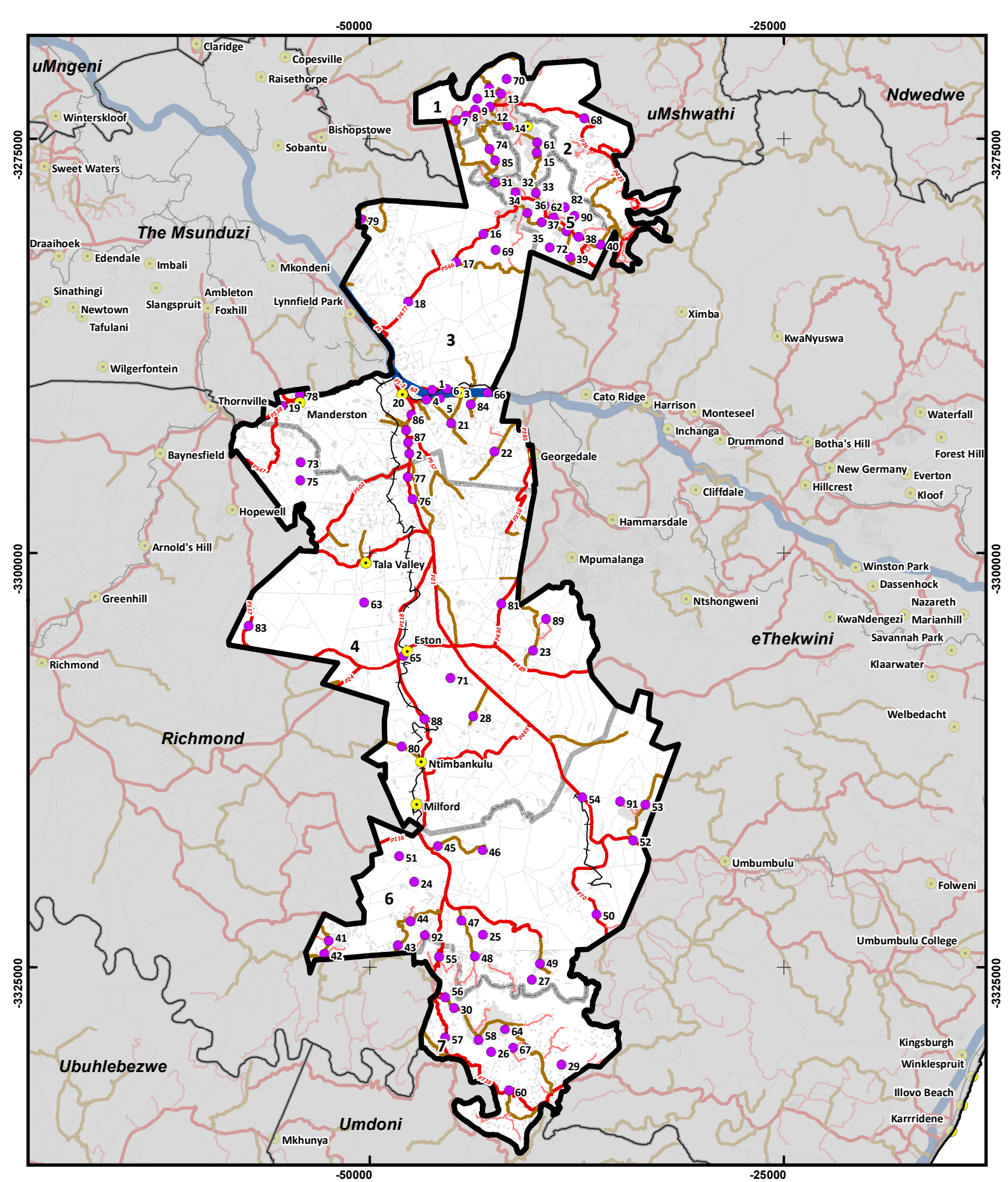
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Kilometers

SPATIAL DEVELOPMENT FRAMEWORK : REVIEW 2019

Economic

MKHAMBATHINI Municipality
For the community


-50000
-25000
-3275000
-3300000
-3325000
uMngeni
Ndwedwe
uMshwathi
The Msunduzi
Richmond
Ubuhlebezwe
Umdoni
eThekwini
Claridge
Copesville
Raisethorpe
Queen Elizabeth Park
Doreen Clark
Winterskloof
Bishopstowe
Sobantu
Sweet Waters
KwaMntogotho
Henley
Draaihoek
Edendale
Imbali
Slangspruit
Ntembeni
Sinathingi
Newtown
Tafulani
Ambleton
Foxhill
Mkondeni
Wilgerfontein
Manderston
Thornville
Baynesfield
Zinti Valley
Hopewell
Arnold's Hill
Greenhill
Richmond
Ndaleni
KwaMagoda
Umgeni Valley
Table Mountain
Maqangqo
Nagle Dam
Ophokweni
Natal Lion Park
Mpushini Nature Reserve
Mayibuye Game Reserve
Lynnfield Park
Umlaas Road
Camperdown
Cato Ridge
Harrison
Monteseel
Inchanga
Drummond
Botha's Hill
New Germany
Waterfall
Krantzkloof
Kloof
Hillcrest
Cliffdale
Georgedale
Hammarsdale
Mpumalanga
Tala Game Reserve
Tala Valley
Eston
Ntshongweni
Winston Park
Dassenhock
Marianhill
KwaNdengezi
Klaarwater
Ximba
KwaNyuswa
Ntimbankulu
Milford
Mid Illovo
Gwahumbe Nature Reserve
Tilongo
Ngilanyoni
Umbumbulu
Folweni
Bivane
Lovu
Mkomazi
Mkhunya
uMngeni
Mkabela
Tholeni
uMsunduze
Mpushini
Mshwati
Sterkspruit
uMlazi
Mgwahumbe
N3
P338
P117
P24
P566
P477
P423
P489
P418
P70
P728
Legend
Mkhambathini Boundary
Local Municipalities
Places
Local Distribution Routes
Cadastral
NFEPA Rivers
Wetlands
Legend
Municipal Development Node
Secondary Municipal Development Node
Satellite/Incipient Municipal Development Node
Gateway Node
National/Provincial Movement Corridor
Primary Corridor
Secondary Corridor
Secondary Movement Corridor
Tourism Corridor
Urban Settlements
Dense Rural Settlement
Scattered Rural Settlement
NFEPA Rivers 32m Buffer
Wetlands 32m Buffer
Protected Areas
KZN CBA
Nature Based Tourism
IRREPLACEABLE (very high potential)
THREATENED (high potential)
PRIMARY (moderate potential)
SECONDARY (low potential)
DATA SOURCES:
Towns: Cogta
Roads: DOT
Municipal/Ward Boundaries: MDB
Stats: STATSSA
Agric Land Cover: DAG
Environmental Data: KZN Wildlife2016
Land Reform: DRDLR
Cadastral: KZN SGO
N
Datum: WGS84
Date: May 2019
0 1,5 3 6
Kilometers
SPATIAL DEVELOPMENT FRAMEWORK : REVIEW 2019
Composite SDF
MKHAMBATHINI Municipality



Legend

- Mkhambathini Boundary
- Local Municipalities
- Places
- Capital Investment Framework
- Railway Lines
- National Road
- Provincial Road
- District Road
- Local Road
- Cadastral
- Settlements
- Wards 2016

DATA SOURCES:
Towns: Cogta
Roads: DOT
Municipal/Ward Boundaries: MDB
Stats: STATSSA
Agric Land Cover: DAG
Environmental Data: KZN Wildlife2016
Land Reform: DRDLR
Cadastral: KZN SGO

Datum: WGS84

Date: May 2019

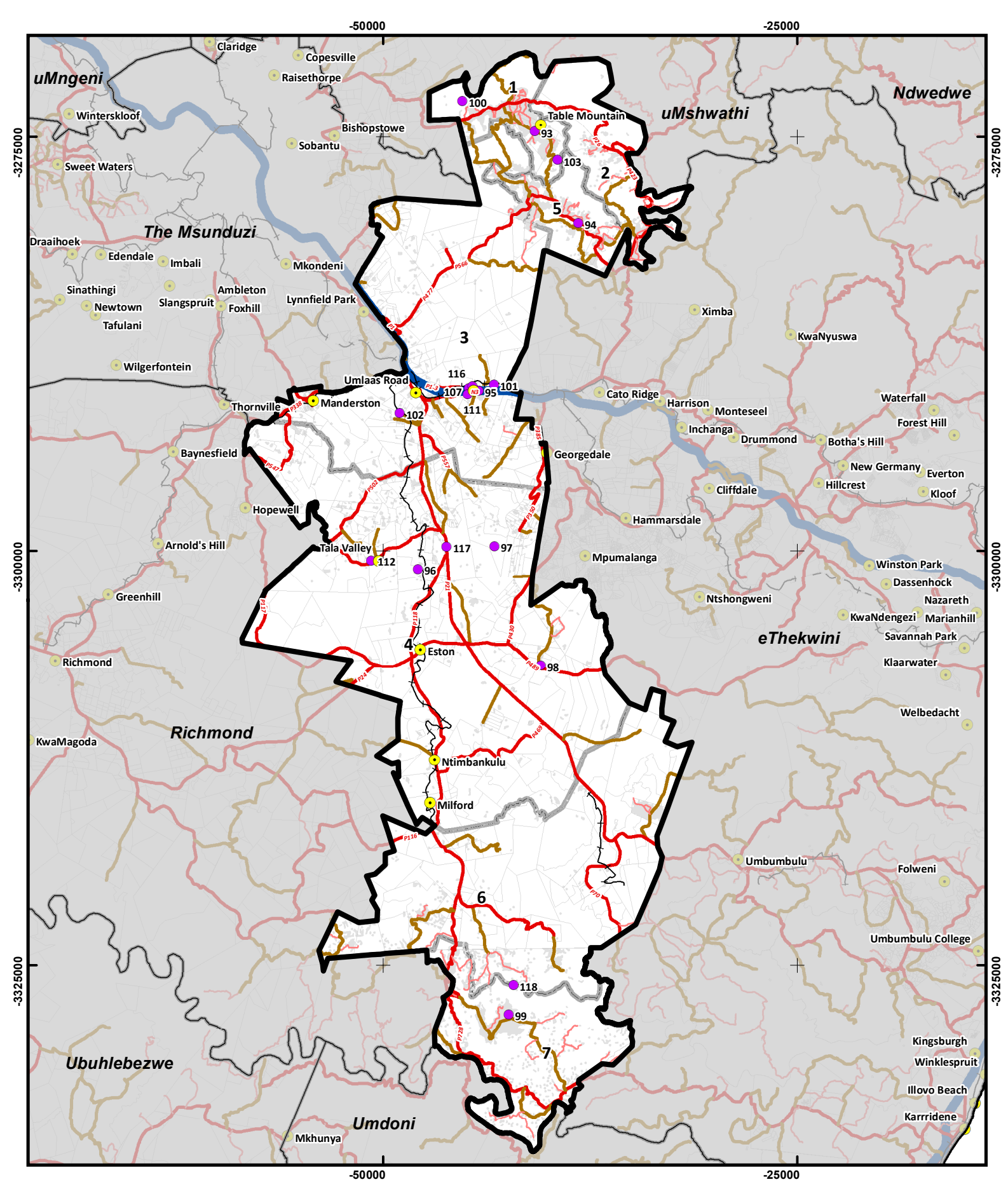
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Kilometers

SPATIAL DEVELOPMENT FRAMEWORK : REVIEW 2019

Capital Investment Framework

ROADS DEVELOPMENT

MKHAMBATHINI Municipality
For the community



Legend

- Mkhambathini Boundary
- Local Municipalities
- Places
- Capital Investment Framework
- Railway Lines
- National Road
- Provincial Road
- District Road
- Local Road
- Cadastral
- Settlements
- Wards 2016

DATA SOURCES:
Towns: Cogta
Roads: DOT
Municipal/Ward Boundaries: MDB
Stats: STATSSA
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Environmental Data: KZN Wildlife2016
Land Reform: DRDLR
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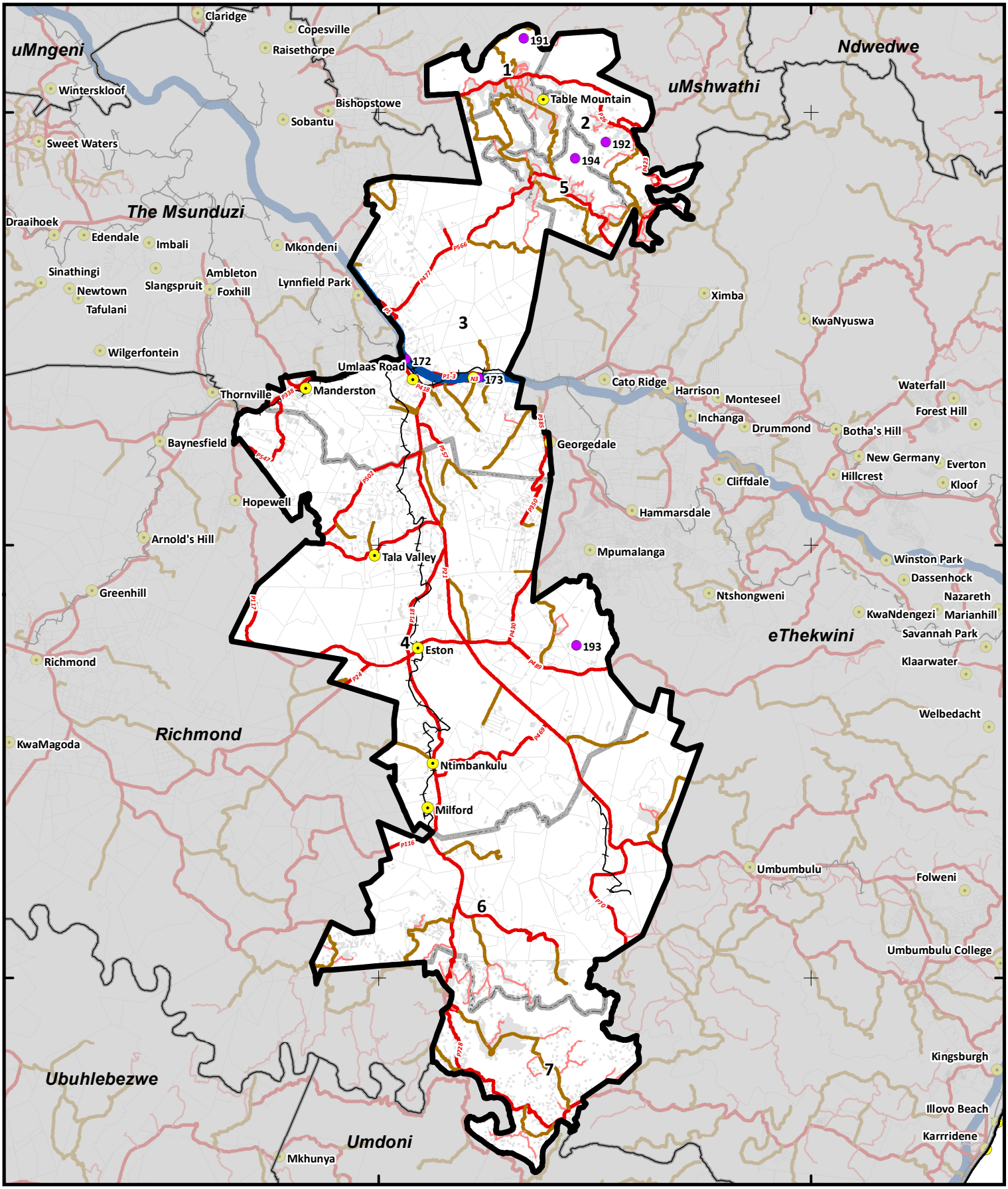
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SPATIAL DEVELOPMENT FRAMEWORK : REVIEW 2019

Capital Investment Framework

VARIOUS DEVELOPMENTS

MKHAMBATHINI Municipality



Legend

- Mkhambathini Boundary
- Local Municipalities
- Places
- Capital Investment Framework
- Railway Lines
- National Road
- Provincial Road
- District Road
- Local Road
- Cadastral
- Settlements
- Wards 2016

DATA SOURCES:
Towns: Cogta
Roads: DOT
Municipal/Ward Boundaries: MDB
Stats: STATSSA
Agric Land Cover: DAG
Environmental Data: KZN Wildlife2016
Land Reform: DRDLR
Cadastral: KZN SGO

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Datum: WGS84

Date: May 2019

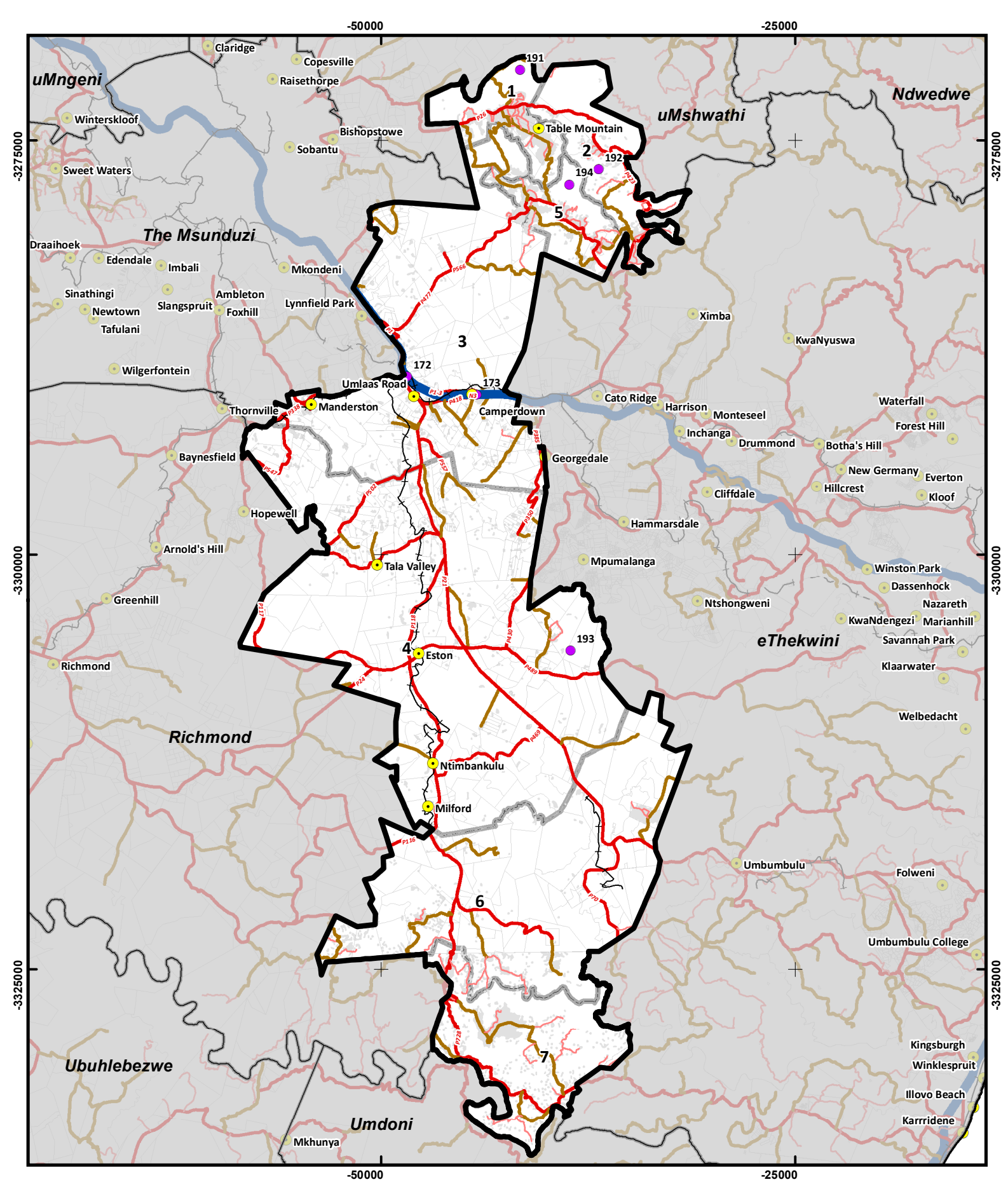
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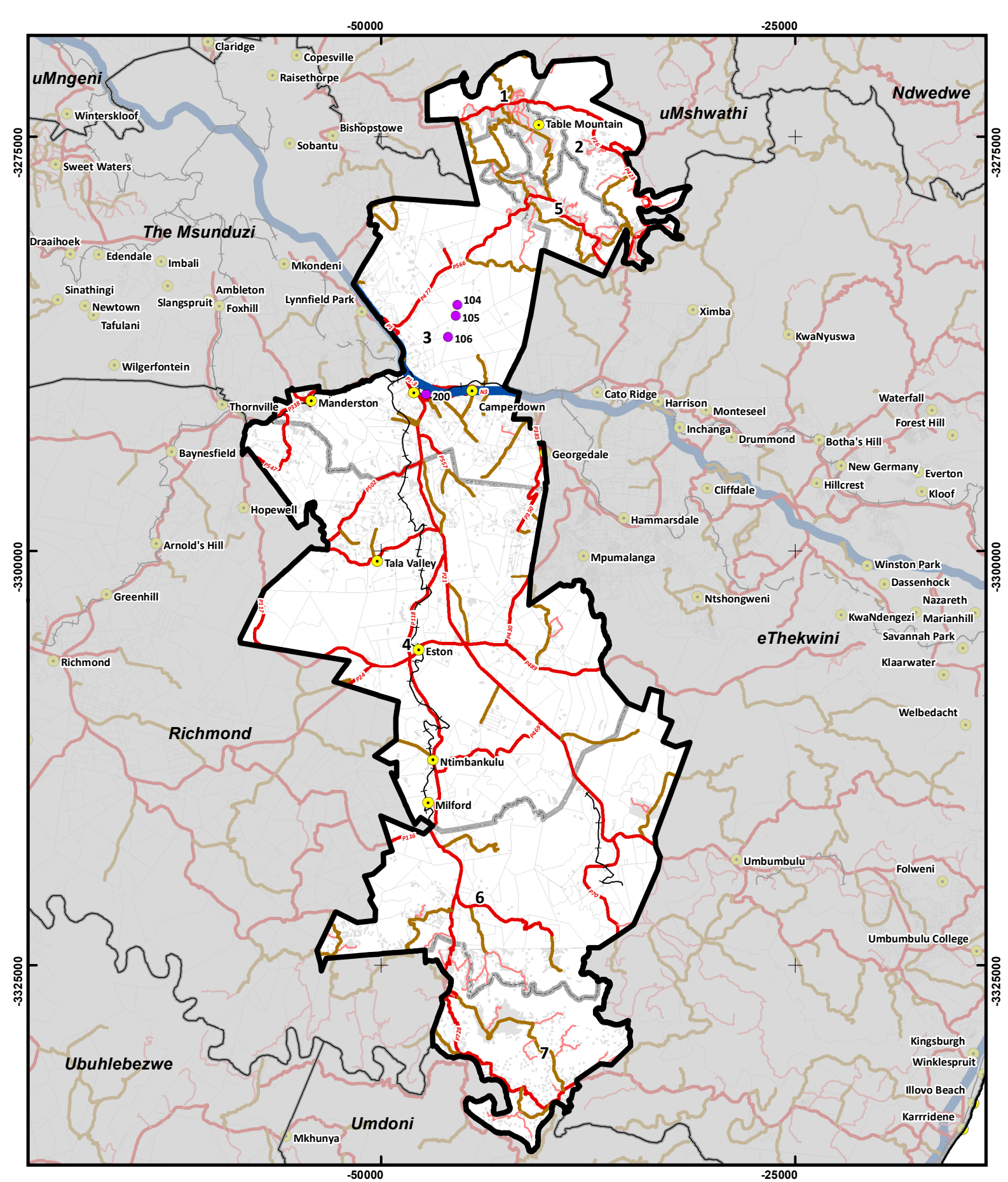
SPATIAL DEVELOPMENT FRAMEWORK : REVIEW 2019

Capital Investment Framework

SOCIAL FACILITIES

MKHAMBATHINI Municipality
For the community


-50000
-25000
-3275000
-3300000
-3325000
uMngeni
Ndwedwe
uMshwathi
The Msunduzi
Richmond
Ubuhlebezwe
Umdoni
eThekwini
Claridge
Copesville
Raisethorpe
Wintersklоof
Bishopstowe
Sobantu
Sweet Waters
Draaihoek
Edendale
Imbali
Mkondeni
Sinathingi
Ambleton
Slangspruit
Foxhill
Lynnfield Park
Newtown
Tafulani
Wilgerfontein
Thornville
Manderston
Umlaas Road
Camperdown
Baynesfield
Hopewell
Arnold's Hill
Greenhill
Richmond
Tala Valley
Eston
Ntimbankulu
Milford
Mkhunya
Table Mountain
Georgedale
Ximba
KwaNyuswa
Cato Ridge
Harrison
Monteseel
Inchanga
Drummond
Botha's Hill
Waterfall
Forest Hill
New Germany
Everton
Hillcrest
Kloof
Cliffdale
Hammarsdale
Mpumalanga
Ntshongweni
Winston Park
Dassenhock
Nazareth
KwaNdengezi
Marianhill
Savannah Park
Klaarwater
Welbedacht
Umbumbulu
Folweni
Umbumbulu College
Kingsburgh
Winklespruit
Illovo Beach
Karrridene
1
2
3
4
5
6
7
191
192
193
194
172
173
P26
P477
P566
P3-3
P418
N3
P538
P547
P501
P118
P117
P24
P116
P728
P360
P430
P469
P70
P538
Legend
Mkhambathini Boundary
Local Municipalities
Places
Capital Investment Framework
Railway Lines
National Road
Provincial Road
District Road
Local Road
Cadastral
Settlements
Wards 2016
DATA SOURCES:
Towns: Cogta
Roads: DOT
Municipal/Ward Boundaries: MDB
Stats: STATSSA
Agric Land Cover: DAG
Environmental Data: KZN Wildlife2016
Land Reform: DRDLR
Cadastral: KZN SGO
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Datum: WGS84
Date: May 2019
0 1,5 3 6
Kilometers
SPATIAL DEVELOPMENT FRAMEWORK : REVIEW 2019
Capital Investment Framework
ECONOMIC POTENTIAL
MKHAMBATHINI Municipality



Legend

- Mkhambathini Boundary
- Local Municipalities
- Places
- Capital Investment Framework
- Railway Lines
- National Road
- Provincial Road
- District Road
- Local Road
- Cadastral
- Settlements
- Wards 2016

DATA SOURCES:
Towns: Cogta
Roads: DOT
Municipal/Ward Boundaries: MDB
Stats: STATSSA
Agric Land Cover: DAG
Environmental Data: KZN Wildlife2016
Land Reform: DRDLR
Cadastral: KZN SGO

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Datum: WGS84

Date: May 2019

0 1,5 3 6
Kilometers

SPATIAL DEVELOPMENT FRAMEWORK : REVIEW 2019

Capital Investment Framework

SPATIAL PLANNING

MKHAMBATHINI Municipality
For the community