
Urban development of Jericho city toward an “attractive city”

Liwaa Raed



Outline

- 1 About the project.
- 2 Criteria of the “attractive city”.
- 3 Justification of the project.
- 4 Why Jericho?
- 5 Sectoral assessment.
- 6 Vision and sectoral development.
- 7 Evaluation of the current master plan.
- 7 Modified master plan.

About the project

Project idea

urban development of Jericho city to achieve the “attractive city” form in Palestine.

Main question of the project

Why there are some Palestinian cities they don't attract people despite of their high potential?

Criteria



**clean and
healthy environment.**



Strong economic base



**High quality
of Infrastructure.**



**Green and pleasant
areas in the city.**



Equitable social baes



**Preserved
Cultural heritage.**

Justification of the project

Imbalance between Palestinian cities in population densities and the pressure of services.

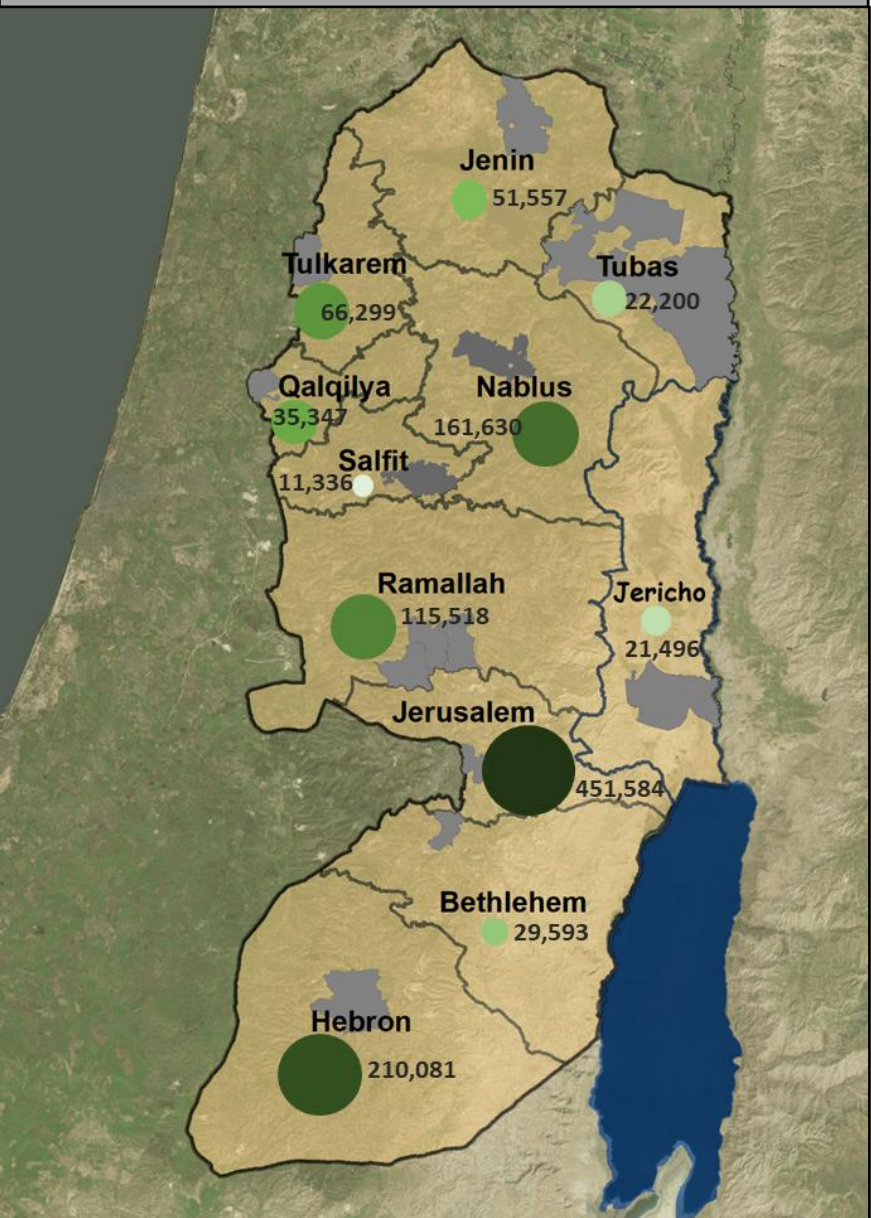


Inefficient use of the **resources** in the existing Palestinian cities.

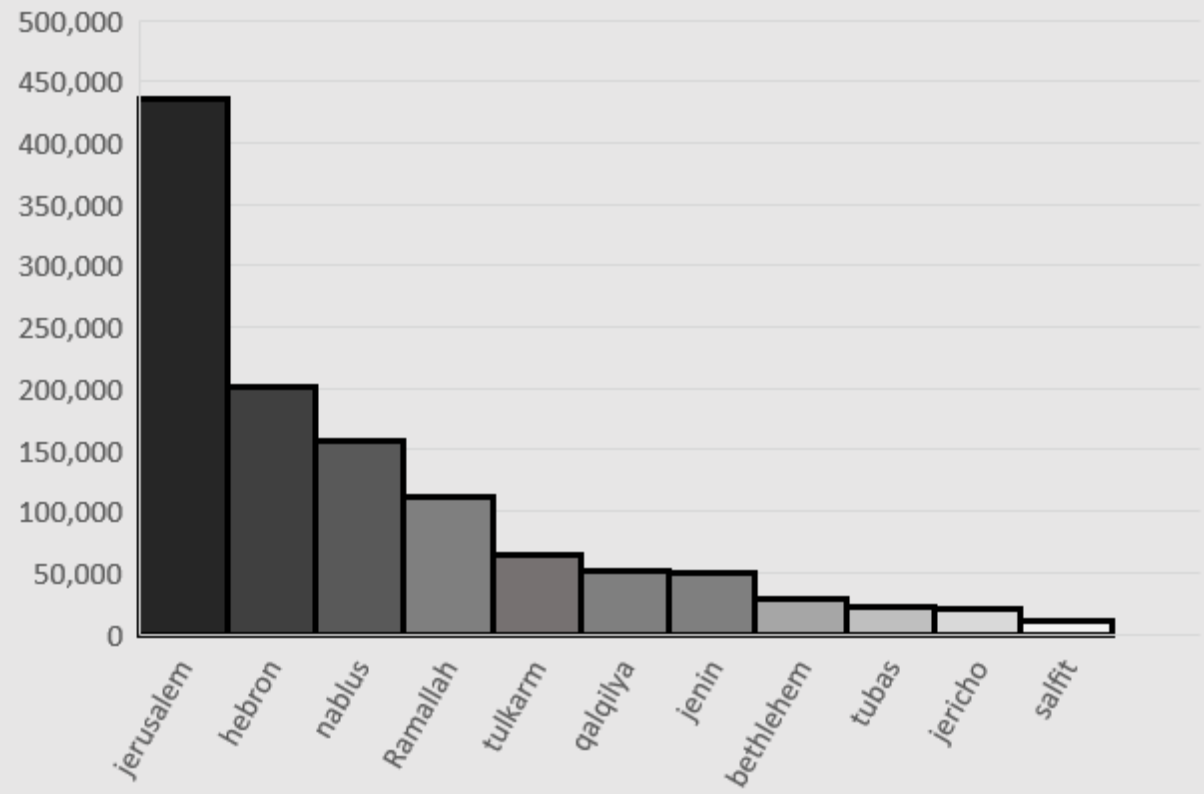


Justification of the project

Population map

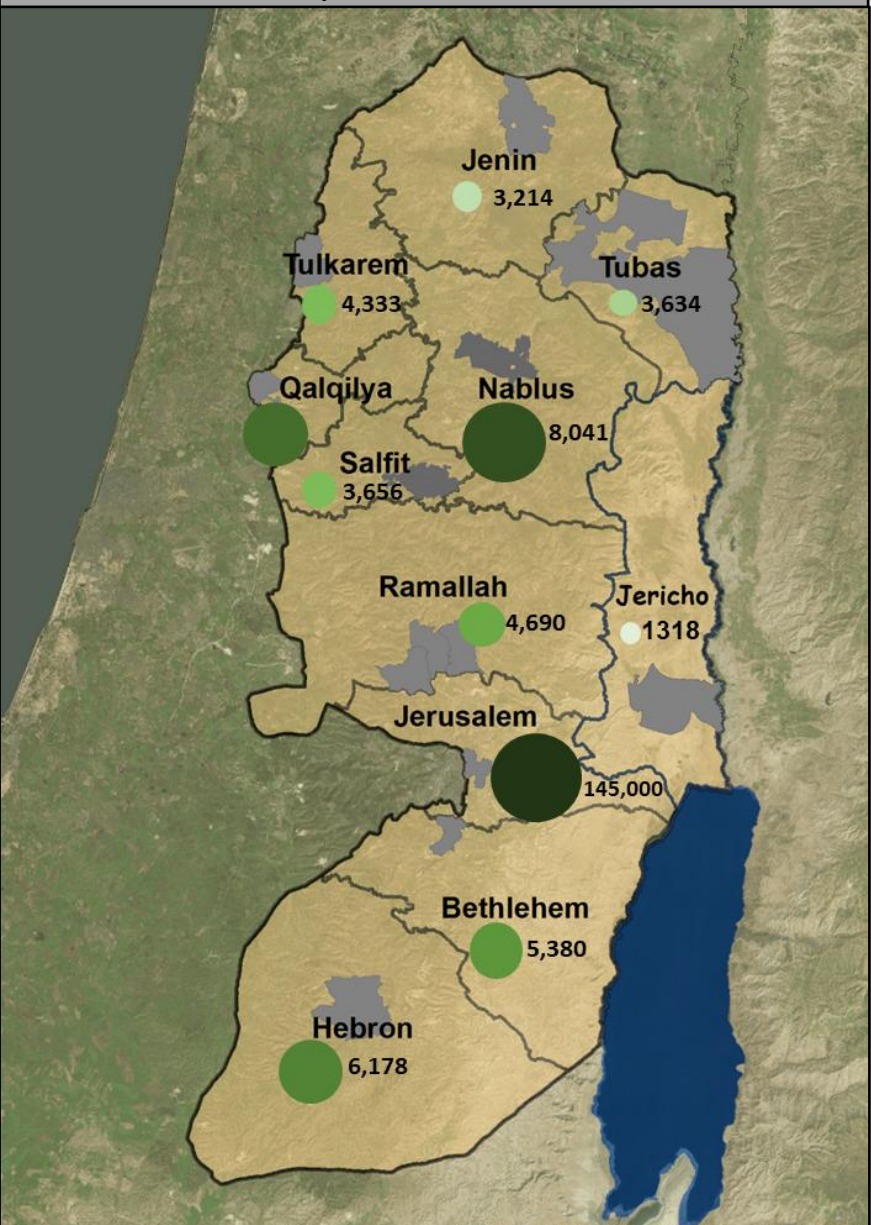


- Salfit is the least populated city in the west bank.
- Hebron is the most populated city in the west bank.

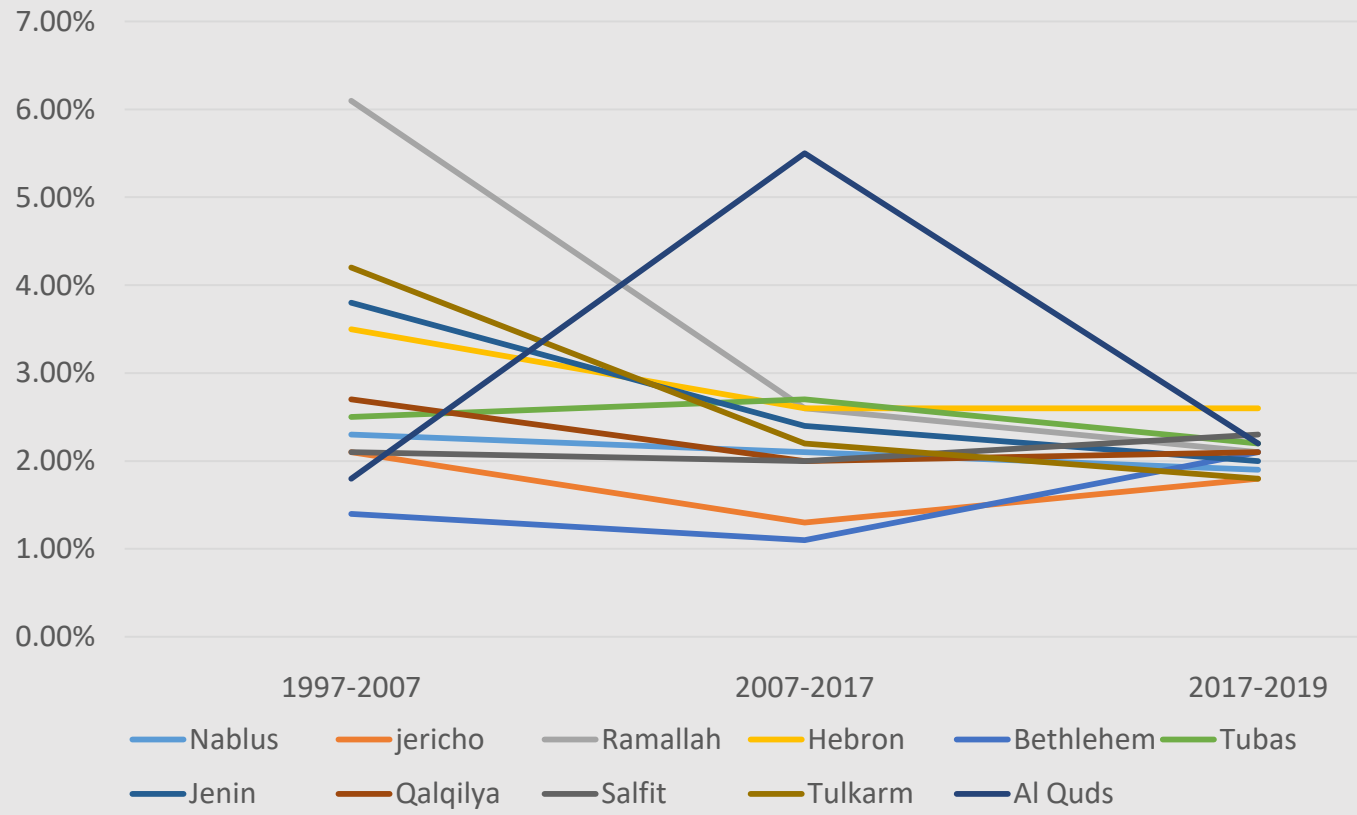


Justification of the project

Population densities



Annual growth rate



An aerial, top-down view of a city street featuring a central roundabout. Several cars are visible on the road, including a white car on the left, a white car on the right, and a red car on the right. The surrounding area shows buildings and more vehicles. The image is dimmed and serves as a background for the text.

Ramallah city is the most attractive city in Palestine

Ramallah is an attractive city because of its administrative center

The concentration of the political, economical, and cultural institutions in Ramallah city made it as a central city in the west bank.

The percentage of population increased by 60% (1997 to 2007).

90% of the managers of the private sector, economic elites and national leaders are not from the city.

Why Jericho?

Strategic location



Low population density
& high capacity



economic activities in
the city

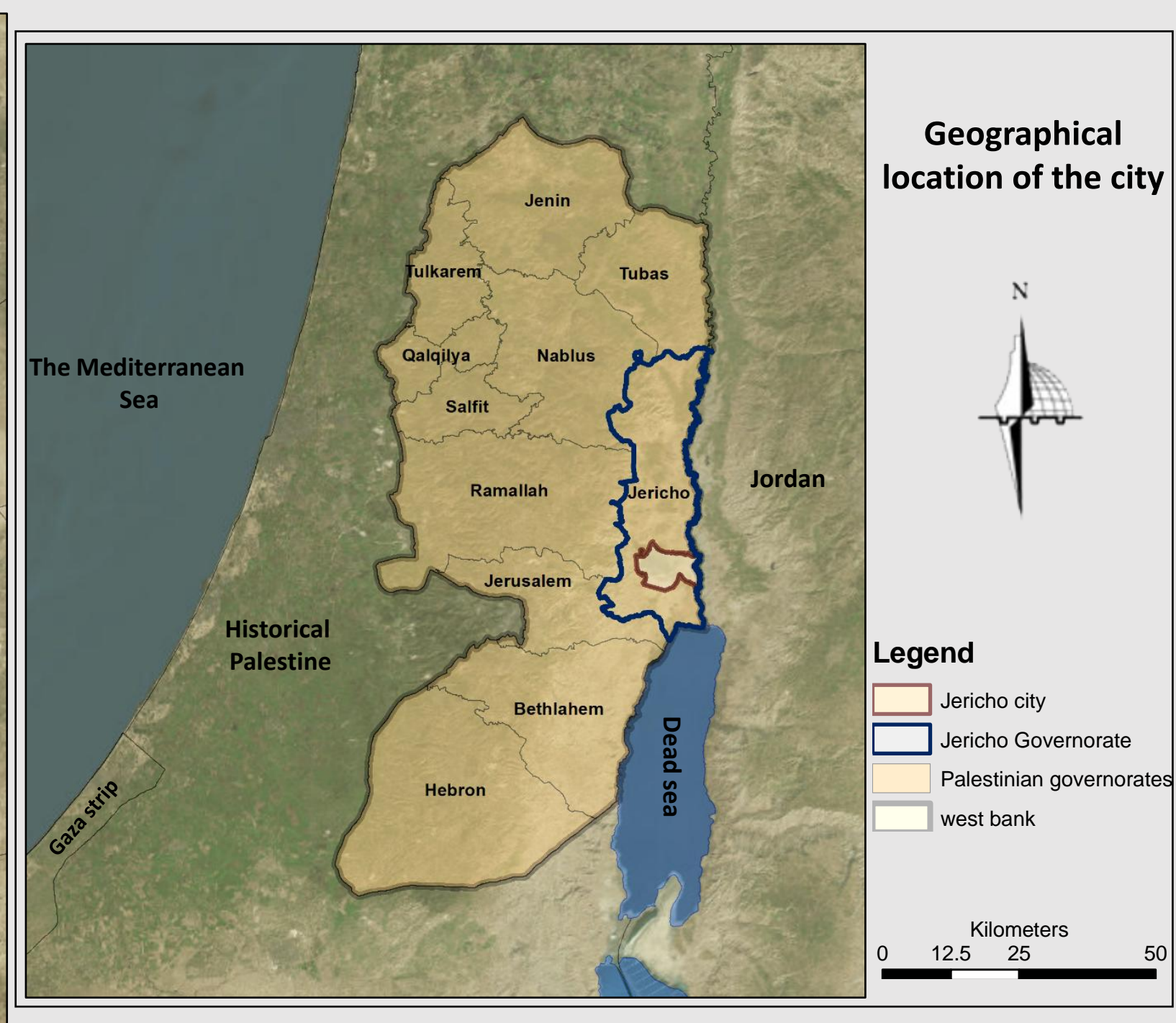


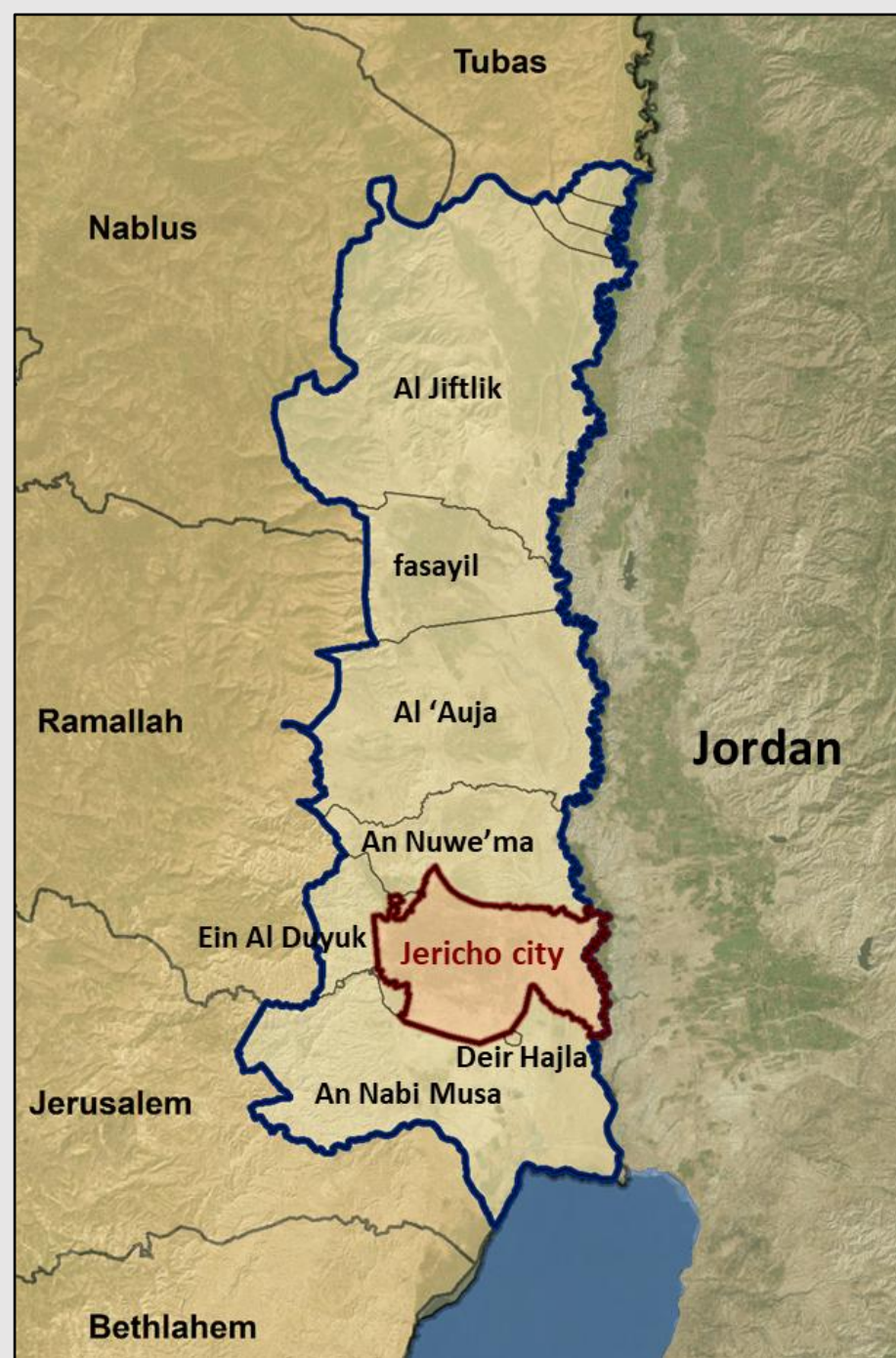
Cultural heritage





Strategic location

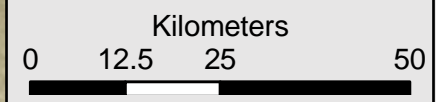




Geographical location of the city



- Legend**
- Jericho city
 - Jericho Governorate
 - Palestinian governorates
 - west bank

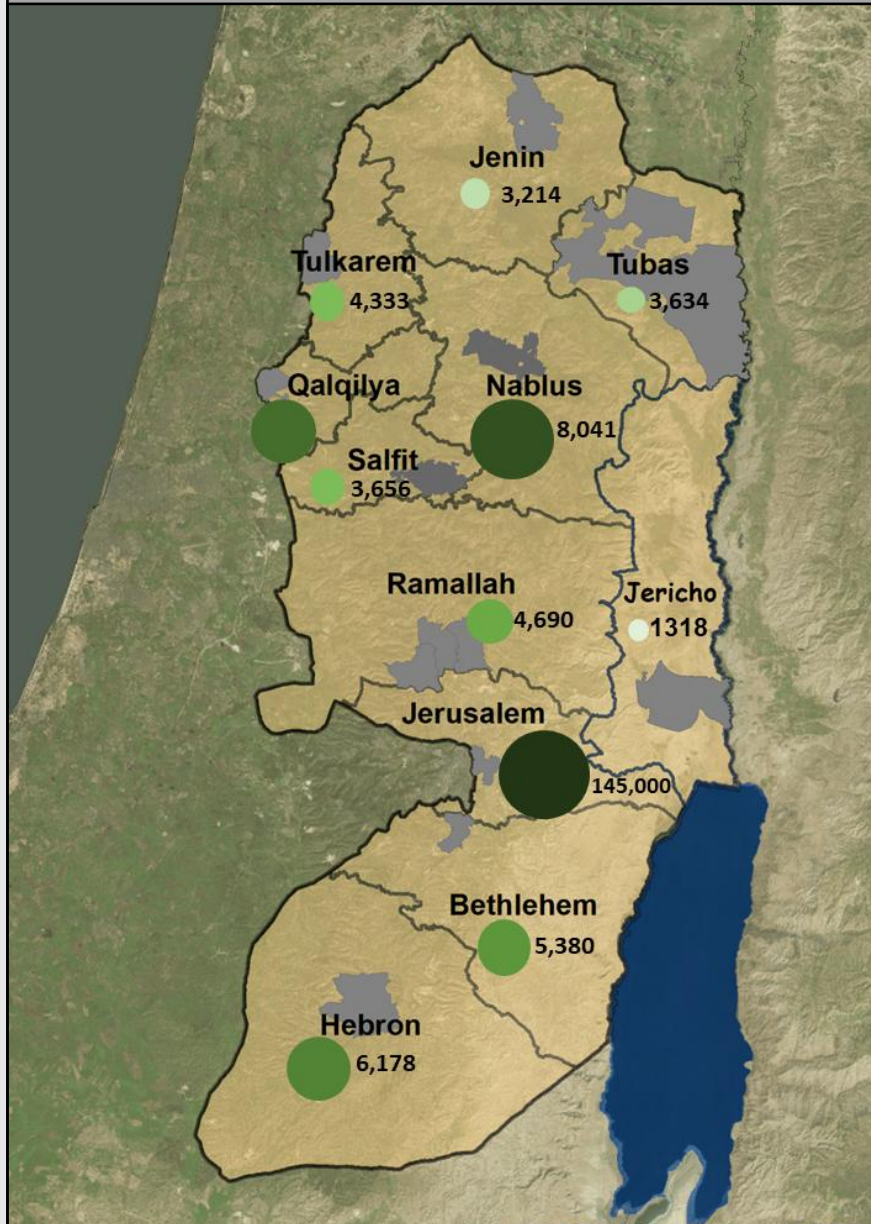




Low population density & high capacity

Low population density

Population densities



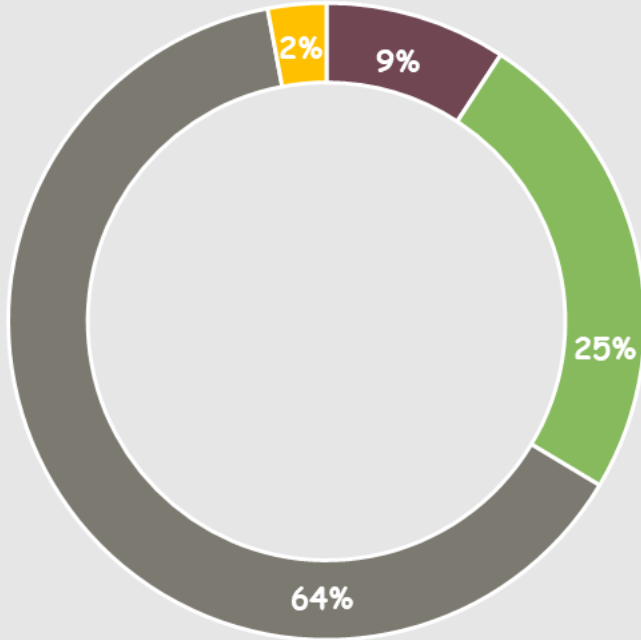
Least growth rate in the west bank.

Least populated city in the west bank.

The population density of the city is only 690 person/km².

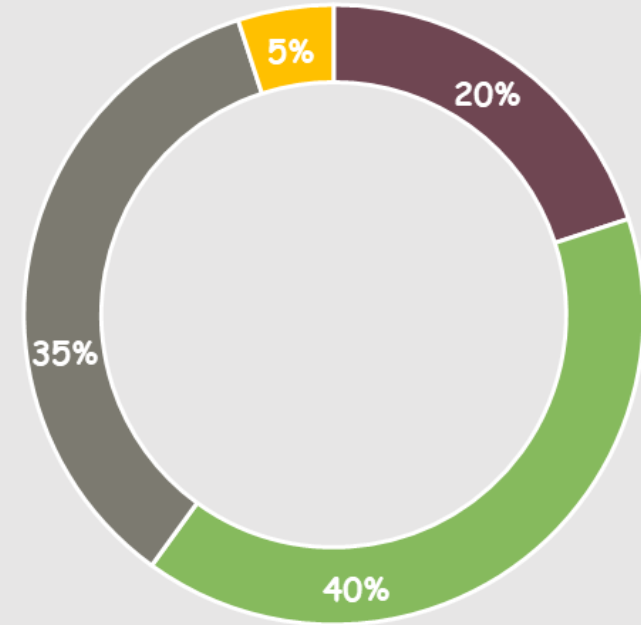
The population in the governorate as a whole is 50000 only.

High capacity



■ built up area ■ agricultural lands ■ unused lands ■ other types

Within current administrative boundaries.



■ built up area ■ agricultural lands ■ unused lands ■ other types

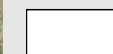
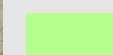
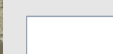
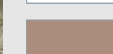


Within current master plan boundaries.

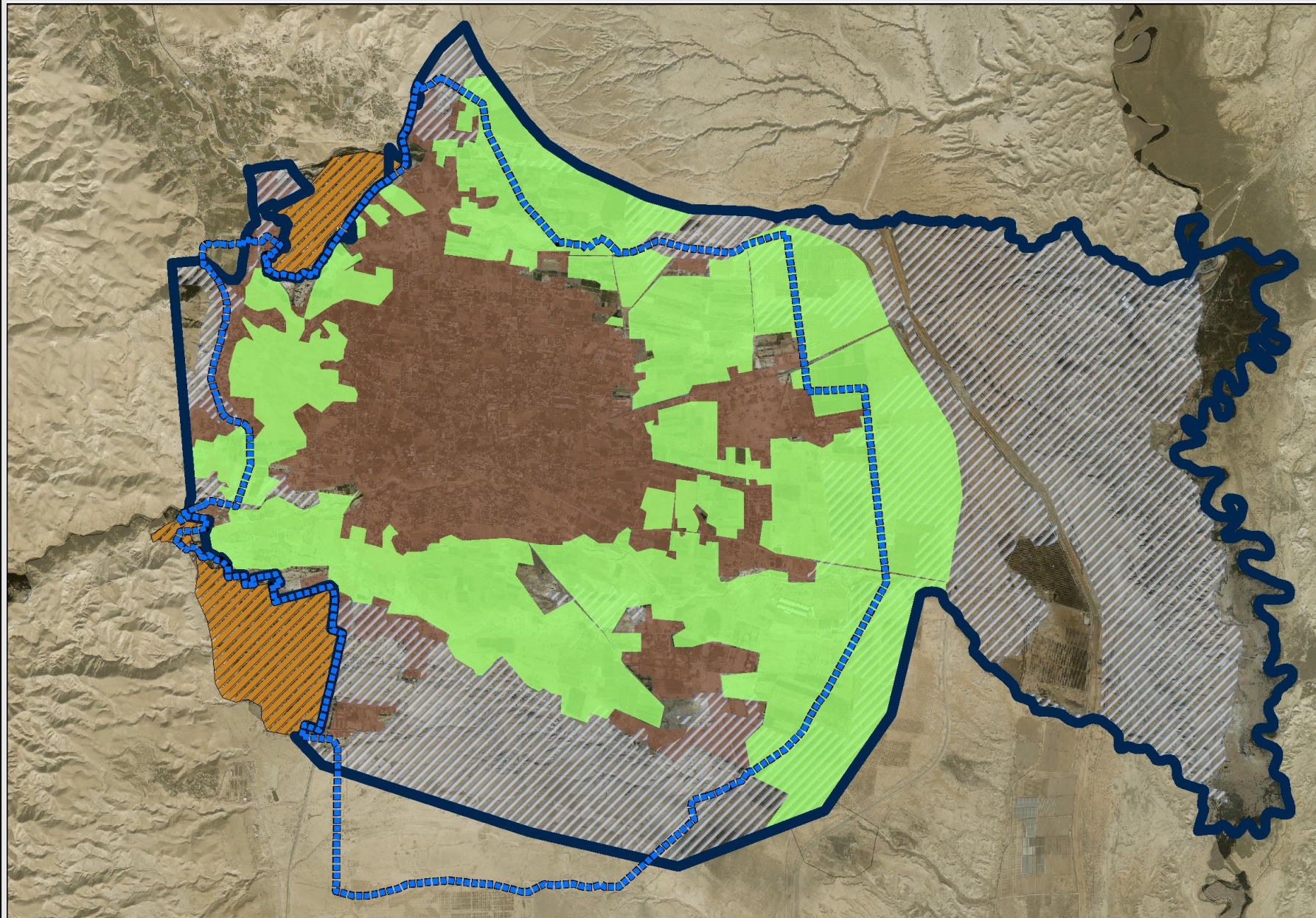
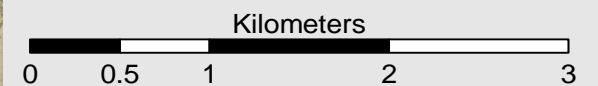
High capacity

Land cover of Jericho city



Legend

-  refugee camps
-  agricultural lands
-  unused lands
-  Built up area
-  current master plan boundaries
-  City boundaries



An aerial photograph of a city, showing a mix of residential and commercial buildings, roads, and green spaces. A dark horizontal band is superimposed over the center of the image, containing the text 'Economic activities in the city' in white. The background image is slightly faded to make the text stand out.




Economic activities in the city

Economic activities in the city







Potentials and opportunities of the economic base

Legend








-  refugee camps
-  Roads network
-  jericho city boundaries





Commercial sector

-  king Hussein Bridge
-  Commercial Development
-  commercial area with main axis
-  Bridge Terminal


Tourism sector

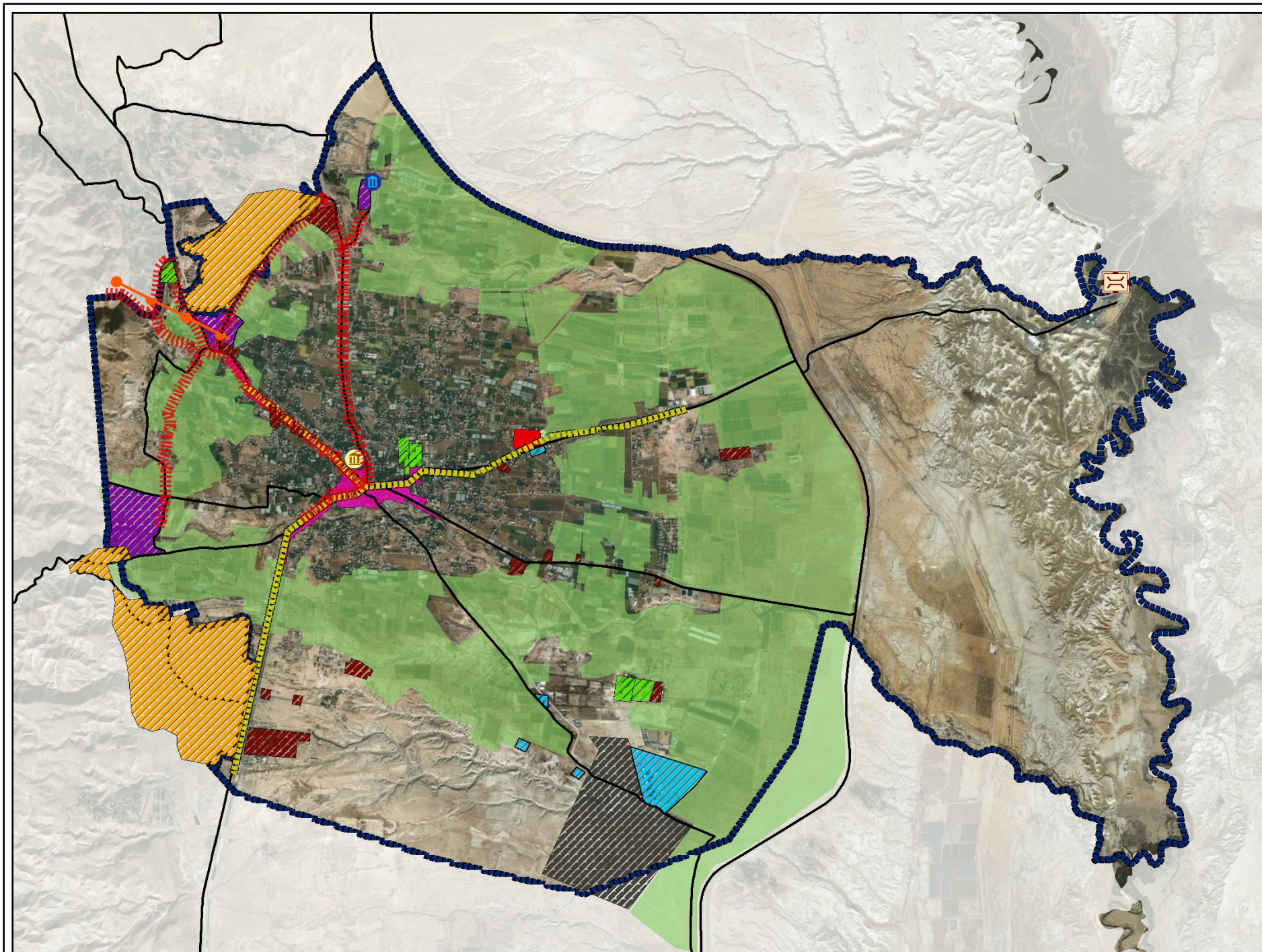
-  Russian museum
-  Hisham palace museum
-  Telepherique Line
-  Tour Route
-  Tourism Infrastructure (parks)
-  Tourism Infrastructure (hotels and resorts)
-  Most Important Historical Sites

Industrial sector

-  Existing Industries
-  agro idustrial park

Agricultural sector

-  agricultural lands





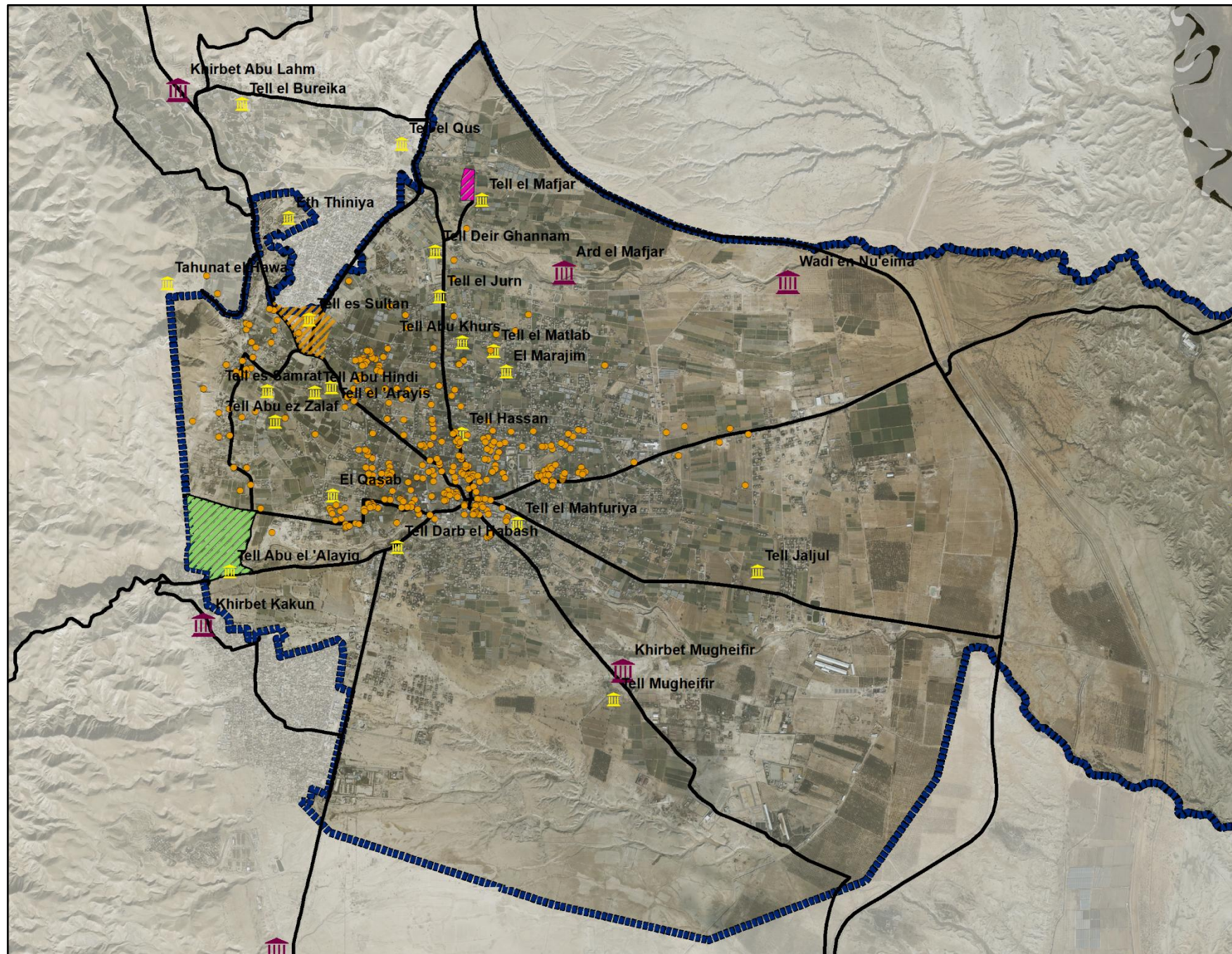
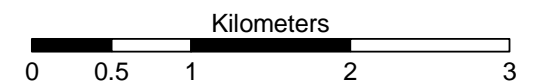
Cultural and natural heritage

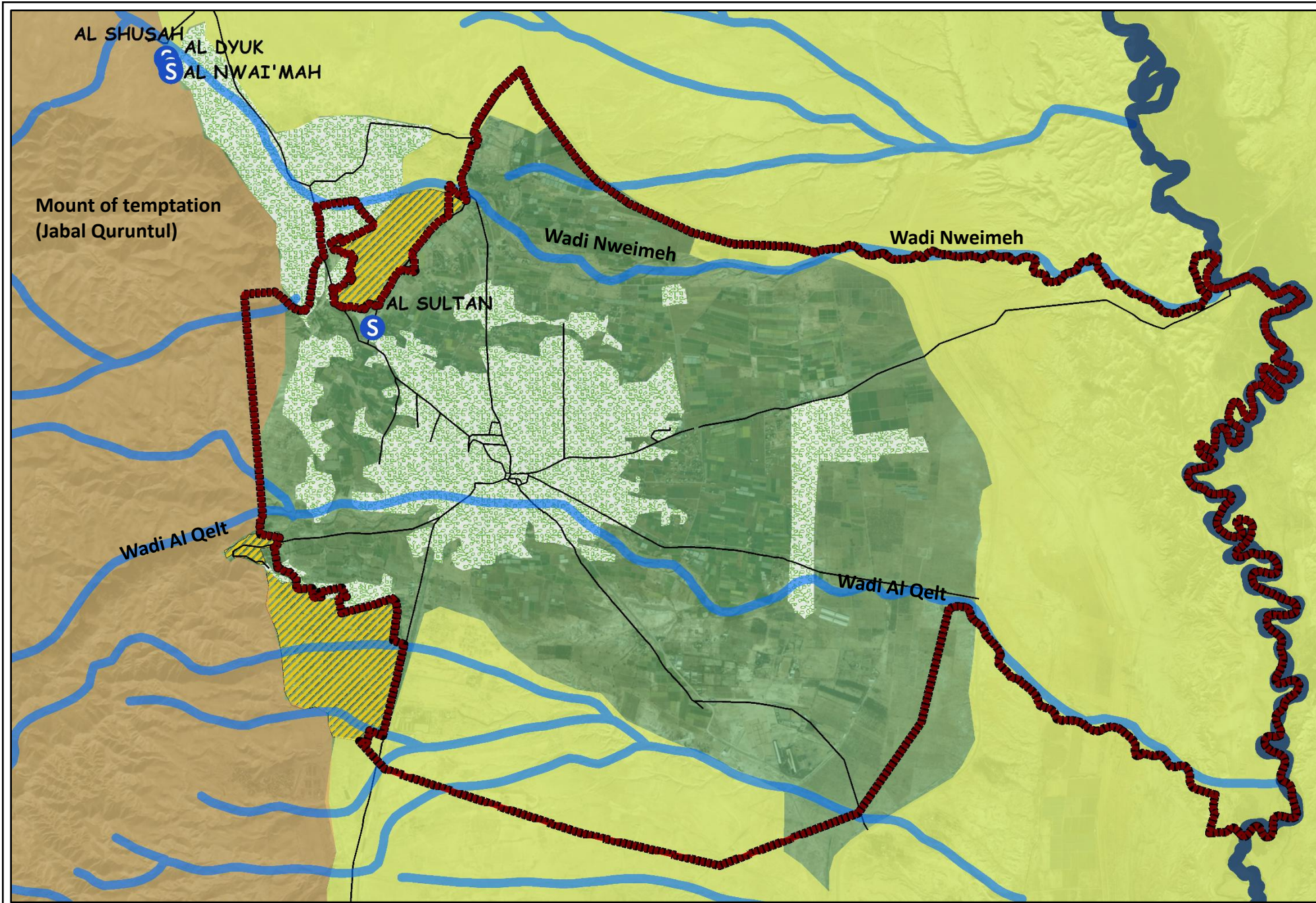
Cultural heritage



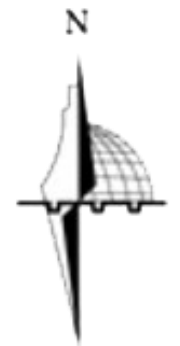
Legend

- () mud houses
- 🏛️ Tel
- 🏰 khirba (old places)
- 🏠 tel as-sultan
- 🏰 tel abu al- alayiq (herode's palace)
- 🏰 Hishan palace
- Main Roads Network
- 🏠 jericho city boundaries



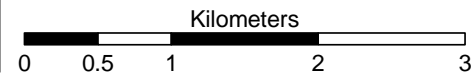


Natural heritage



Legend

- springs
- Jordan River
- wadis
- the oasis
- mountains
- desert
- refugee camps
- gricultural lands
- jericho city boundaries





oasis



wadi



mountains



wadi



desert

An aerial photograph of a desert town, likely in Saudi Arabia, showing a mix of modern buildings and traditional structures. The town is situated in a valley between sand dunes. A dark horizontal band is overlaid across the middle of the image, containing the text "Current condition" in white. The bottom portion of the image shows a more developed area with palm trees and a road with a white van and a dark car.

Current condition


An aerial photograph of a desert town, likely in Saudi Arabia, showing a mix of modern buildings and traditional structures. The town is situated in a valley with rolling sand dunes in the background. A dark horizontal band is superimposed over the middle of the image, containing the text "Political condition" in white. The foreground shows a more developed area with palm trees and a road with a few cars.

Political condition

Political condition



Legend

 Checkpoints


 Military sites


 Occupation colonies

 Area A


 Area B

 Area C

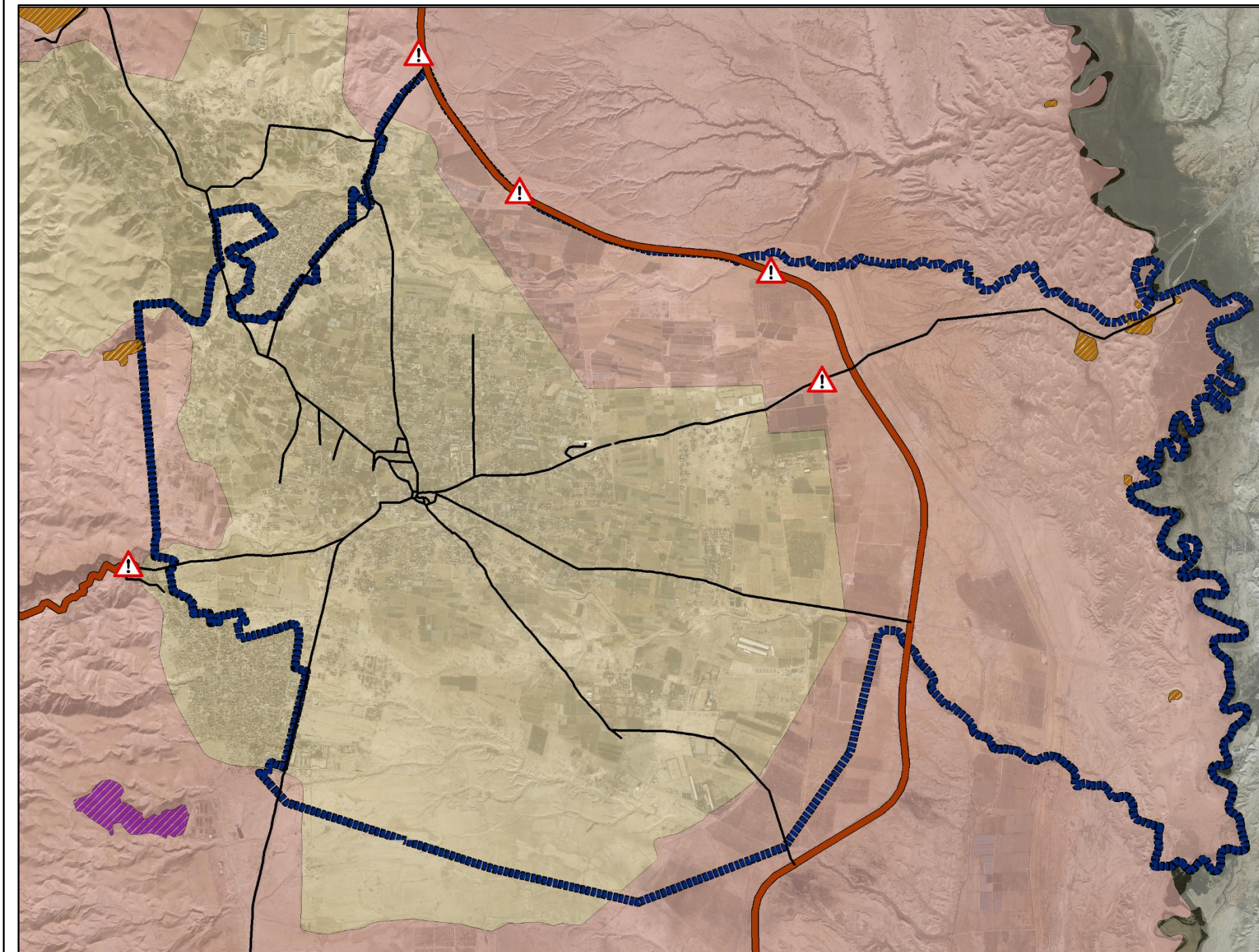
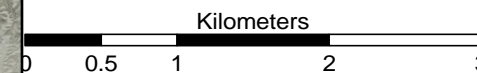
 current master plan boundaries

 jericho city boundaries

Roads network

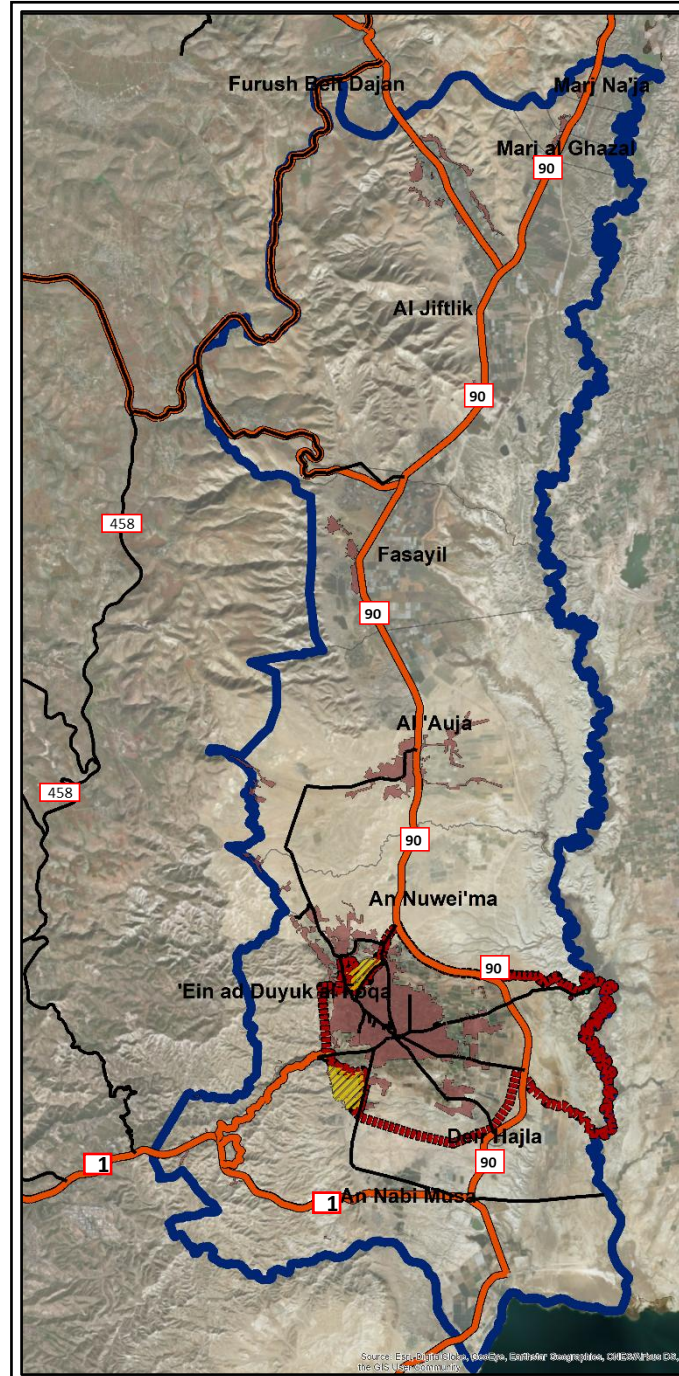
 Main

 Regional



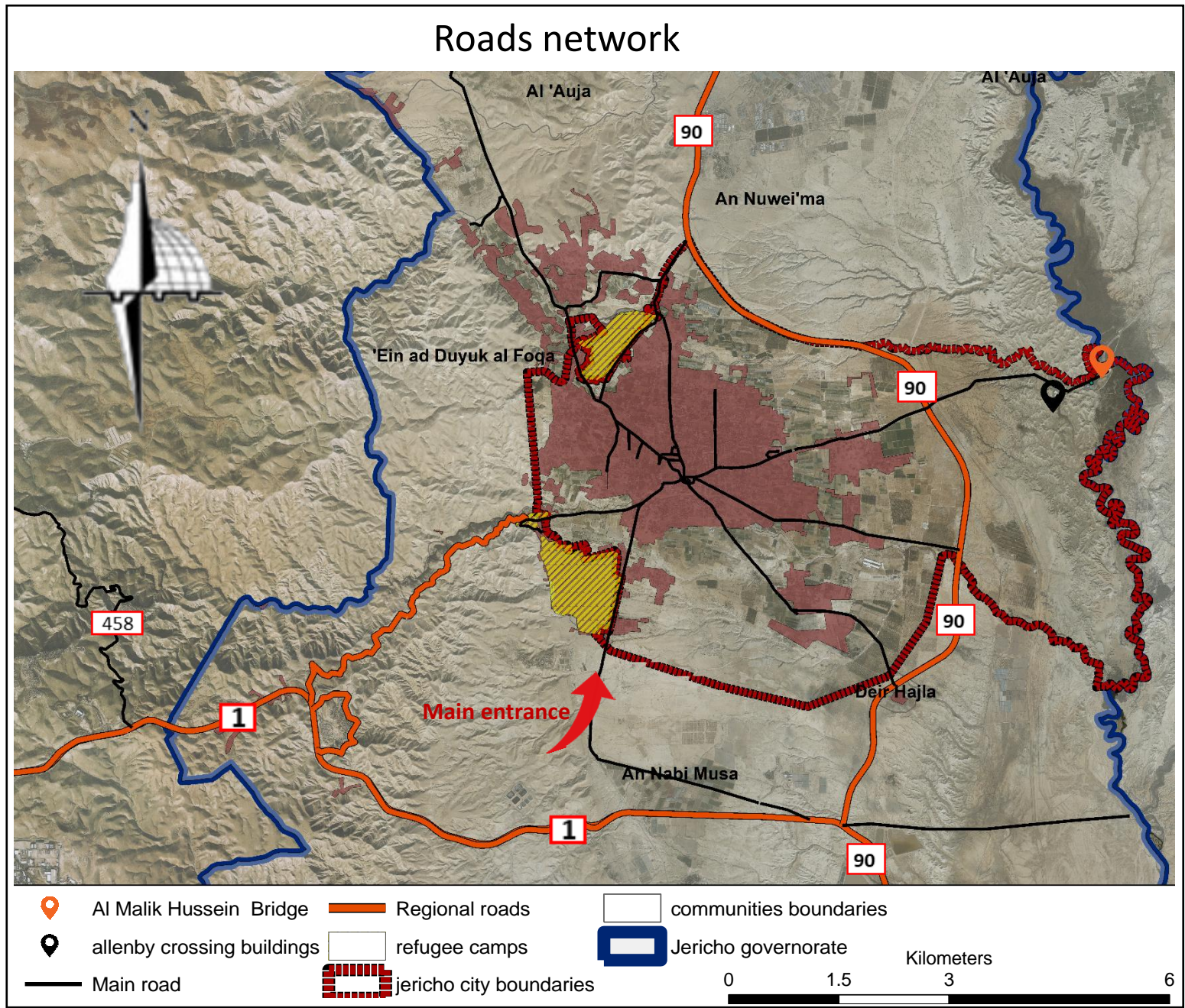
An aerial photograph of a desert town, likely in Saudi Arabia, showing a mix of modern buildings and traditional structures. The town is situated in a valley with rolling sand dunes in the background. A dark horizontal band is superimposed over the middle of the image, containing the word "Transportation" in white, bold, sans-serif font. The foreground shows a more developed area with palm trees and a road with a few vehicles.

Transportation



Regional roads network

- Legend**
- Main
 - Regional_roads
 - refugee camps
 - built up 2016
 - communities boundaries
 - ▤ jericho city boundaries
 - ▭ Jericho governorate



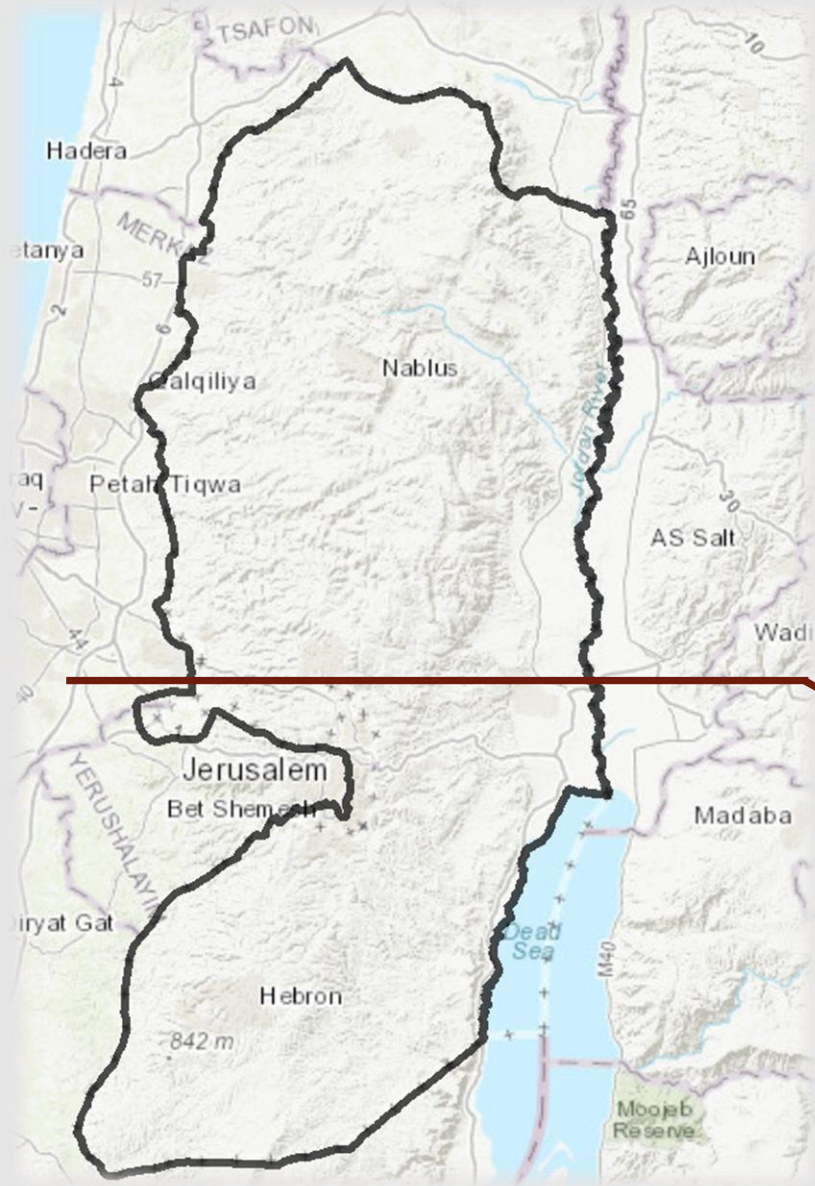
Roads network

- 📍 Al Malik Hussein Bridge
- 📍 allenby crossing buildings
- Main road
- Regional roads
- refugee camps
- ▤ jericho city boundaries
- ▭ communities boundaries
- ▭ Jericho governorate

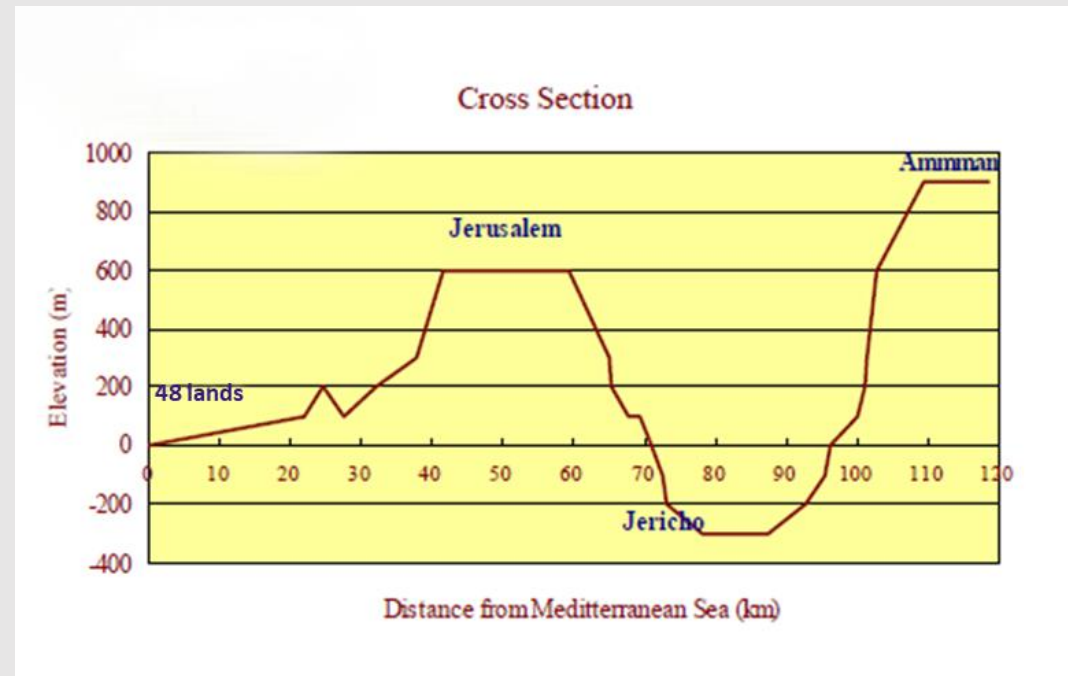
An aerial photograph of a desert town, likely in the Middle East, showing a cluster of buildings and palm trees. A dark horizontal band is superimposed over the center of the image, containing the text "Natural aspects" in white. The background shows a vast, arid landscape with rolling sand dunes and sparse vegetation.

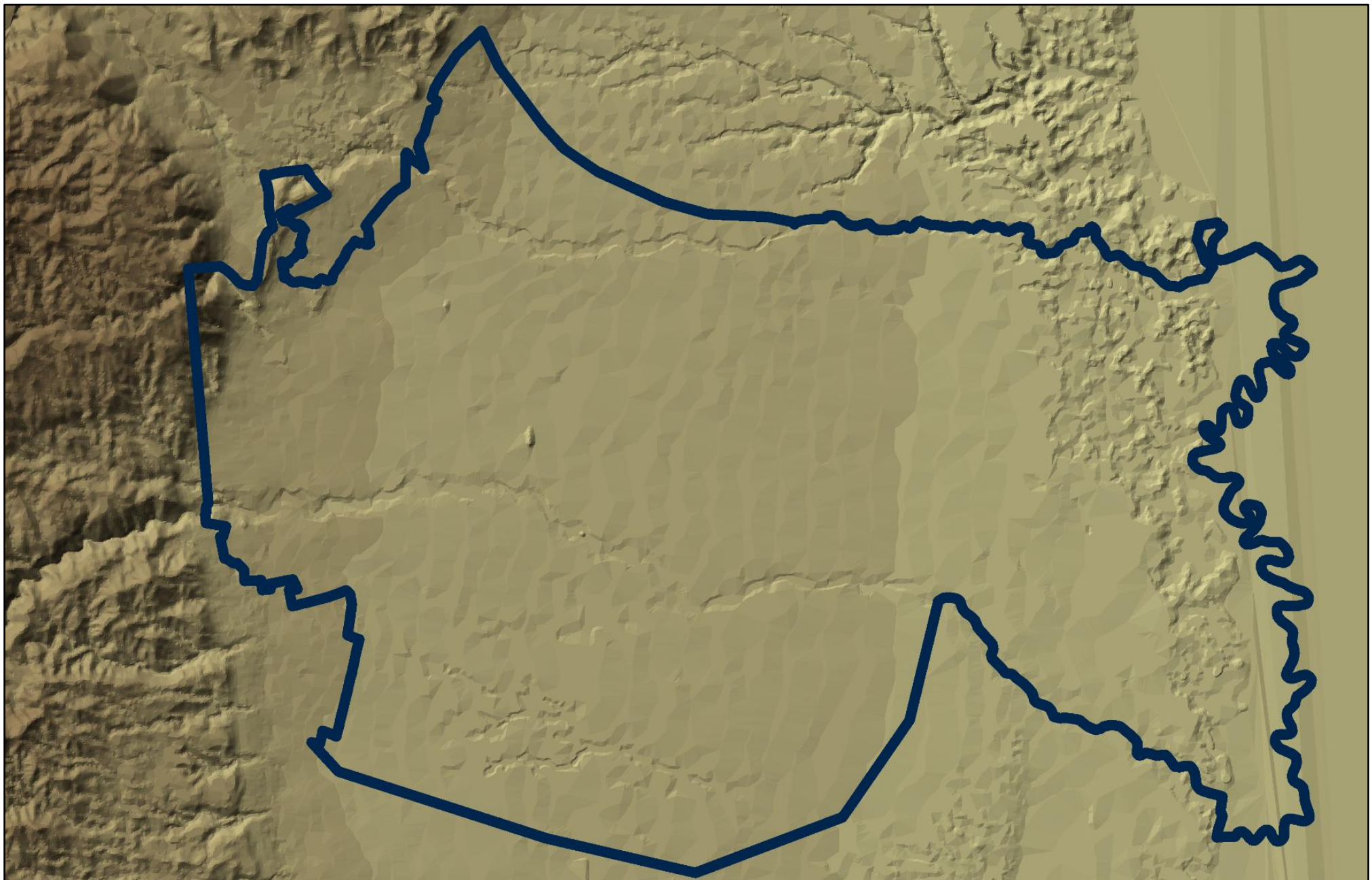
Natural aspects

topography



Jericho city is located at -258 m below sea level, and it is the **lowest city** in the world.















Topography




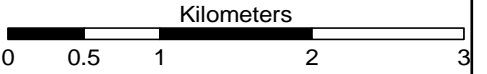
Legend

 city boundaries

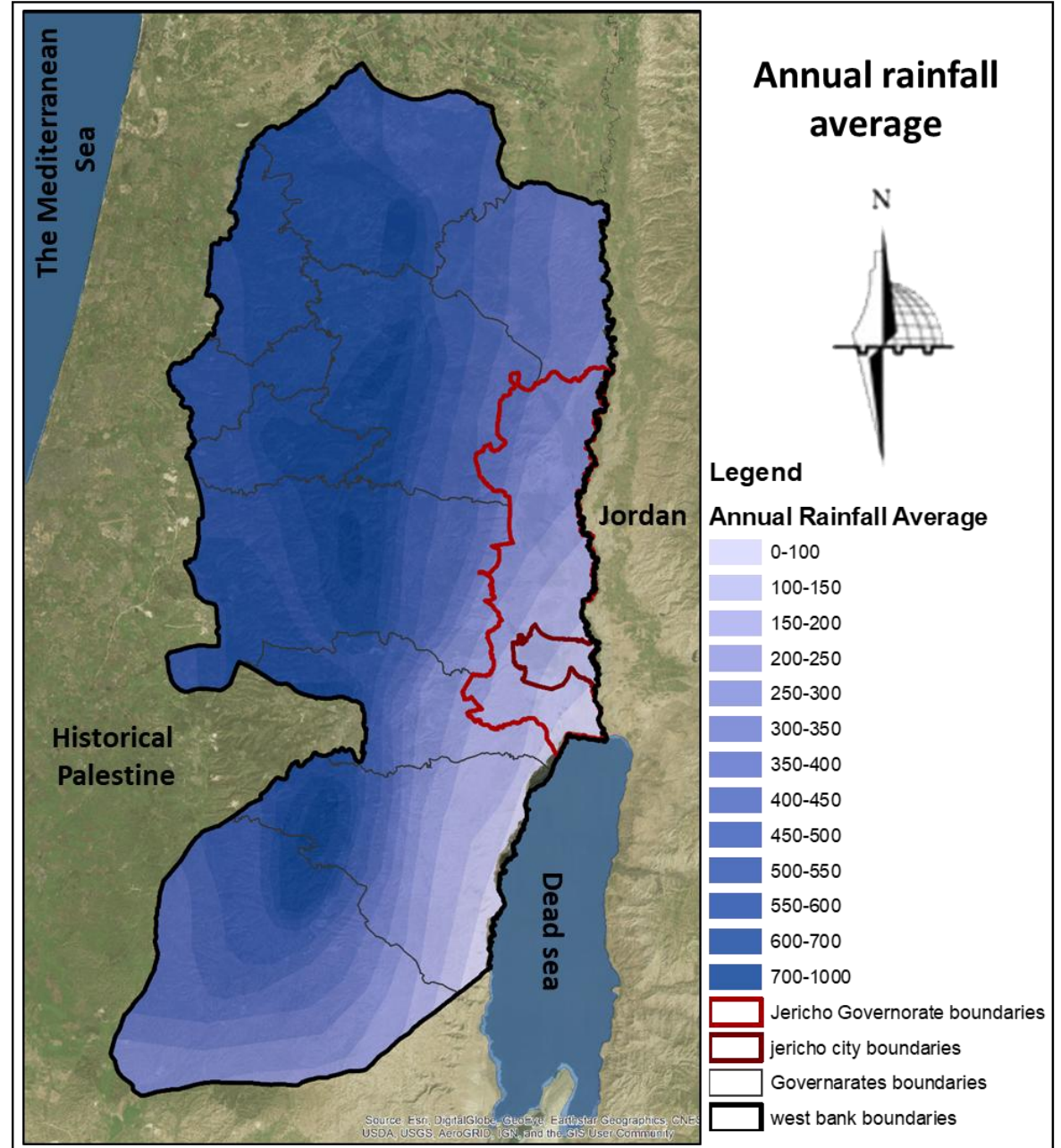
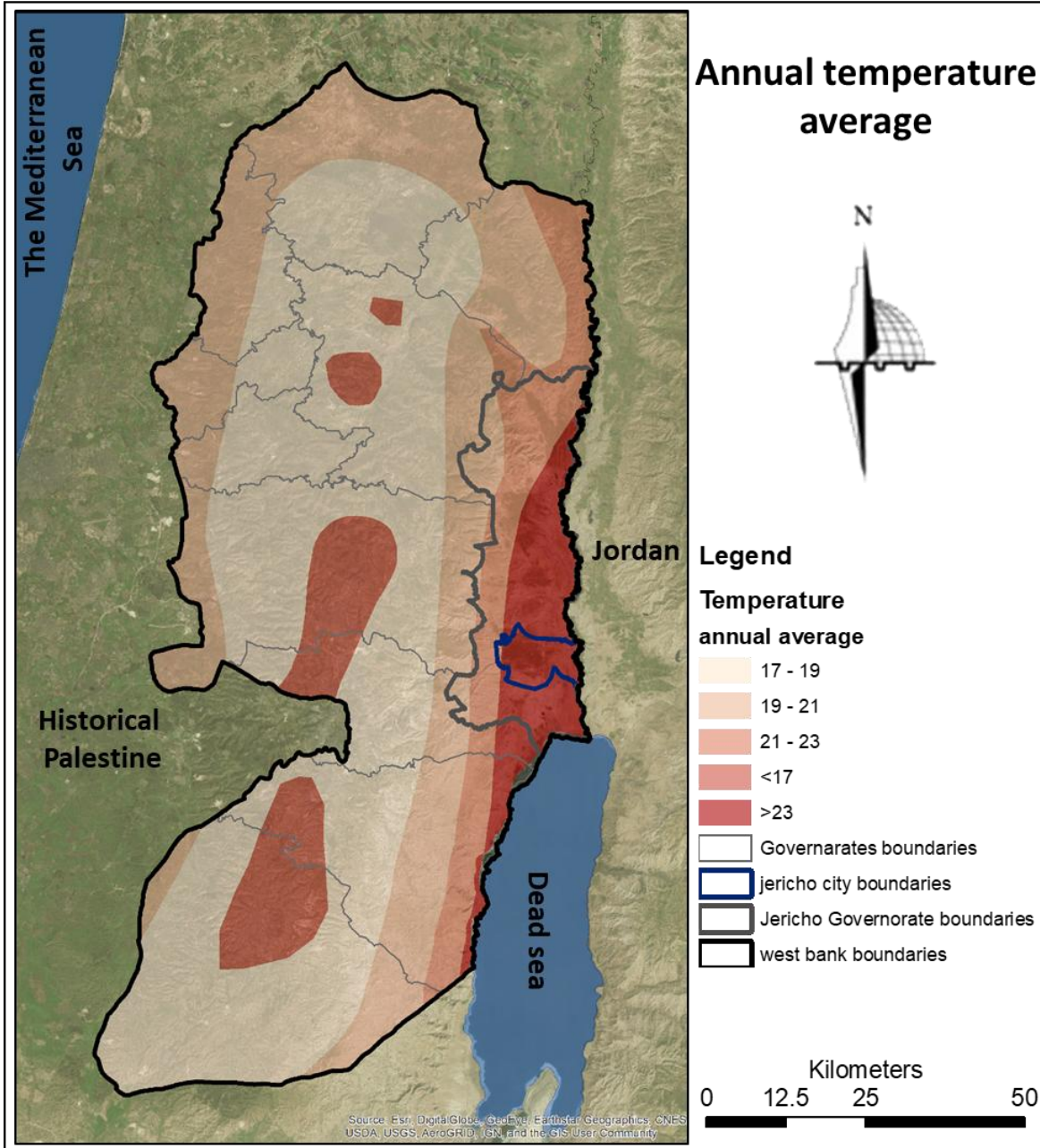
topography

-  240 - 320
-  160 - 240
-  80 - 160
-  0 - 80
-  -80 - 0
-  -160 - -80
-  -240 - -160
-  -320 - -240
-  -400 - -320

 City boundaries




Annual temperature and rainfall




Agricultural lands classification





Legend

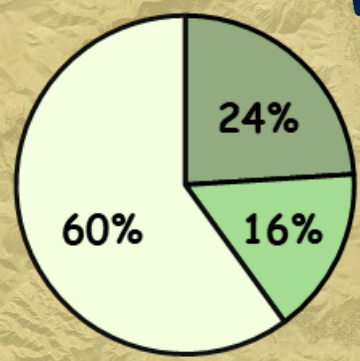
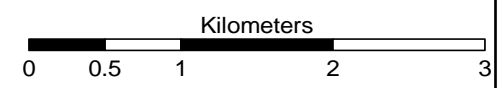
 City boundaries




Agricultural Lands Classification

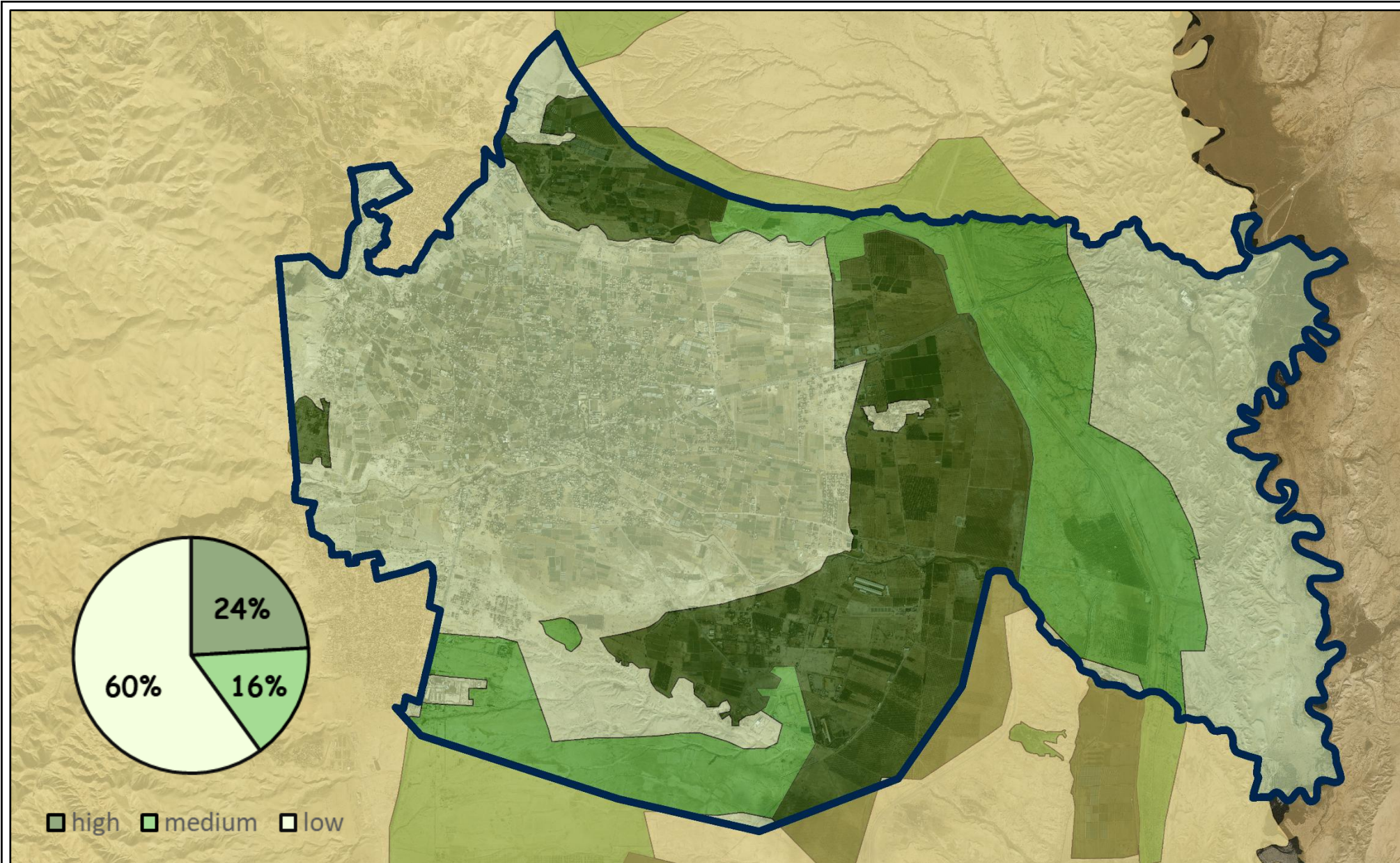
 Land of High Agricultural Value

 Land of Medium Agricultural Value

 Land of Low Agricultural Value



 high  medium  low



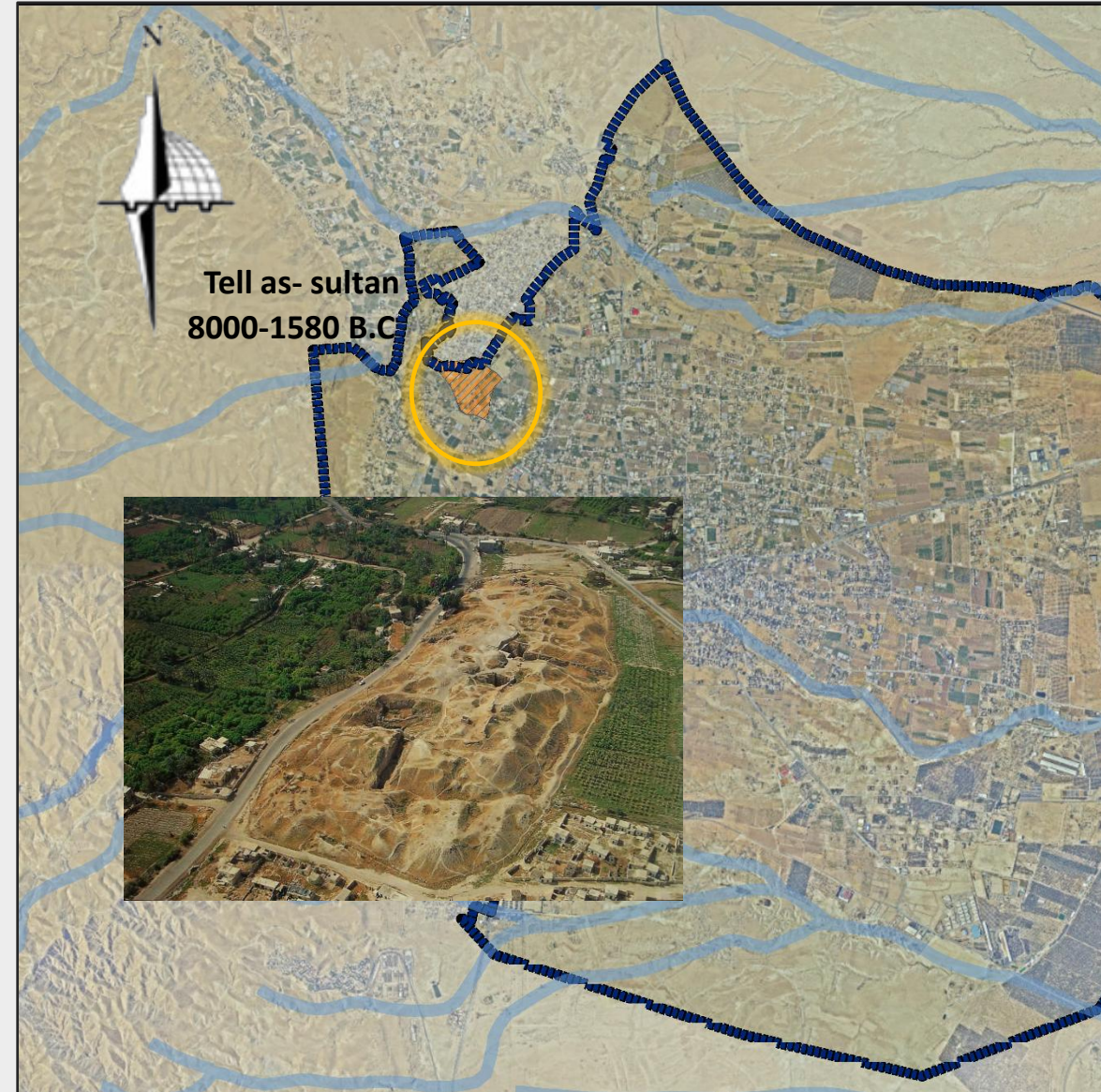
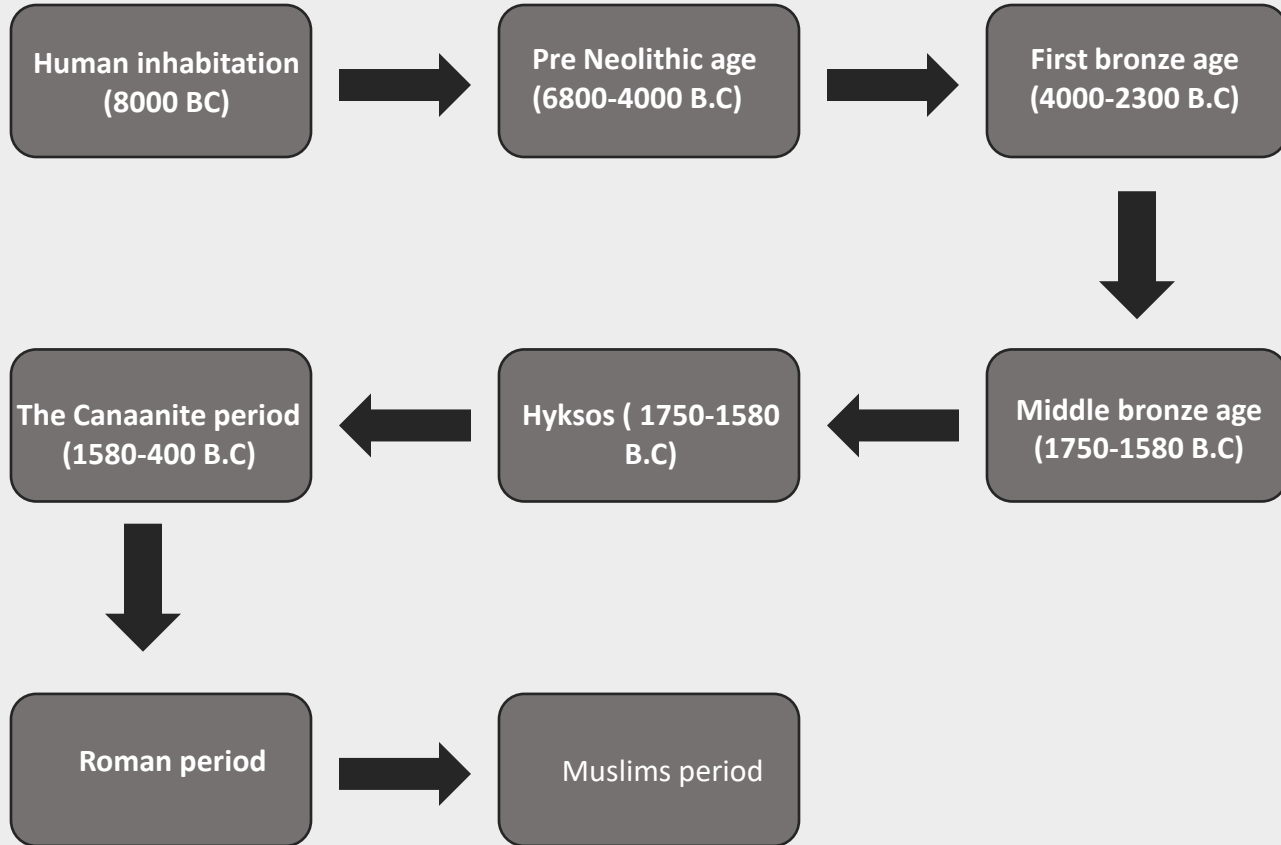
The image is a composite of two aerial photographs of a desert city. The top photograph shows a wide view of the city built on rolling sand dunes under a clear sky. The bottom photograph shows a closer view of a residential area with numerous palm trees and a few buildings. A dark, semi-transparent horizontal band runs across the center of the image, containing the text 'City profile' in a white, sans-serif font.

City profile

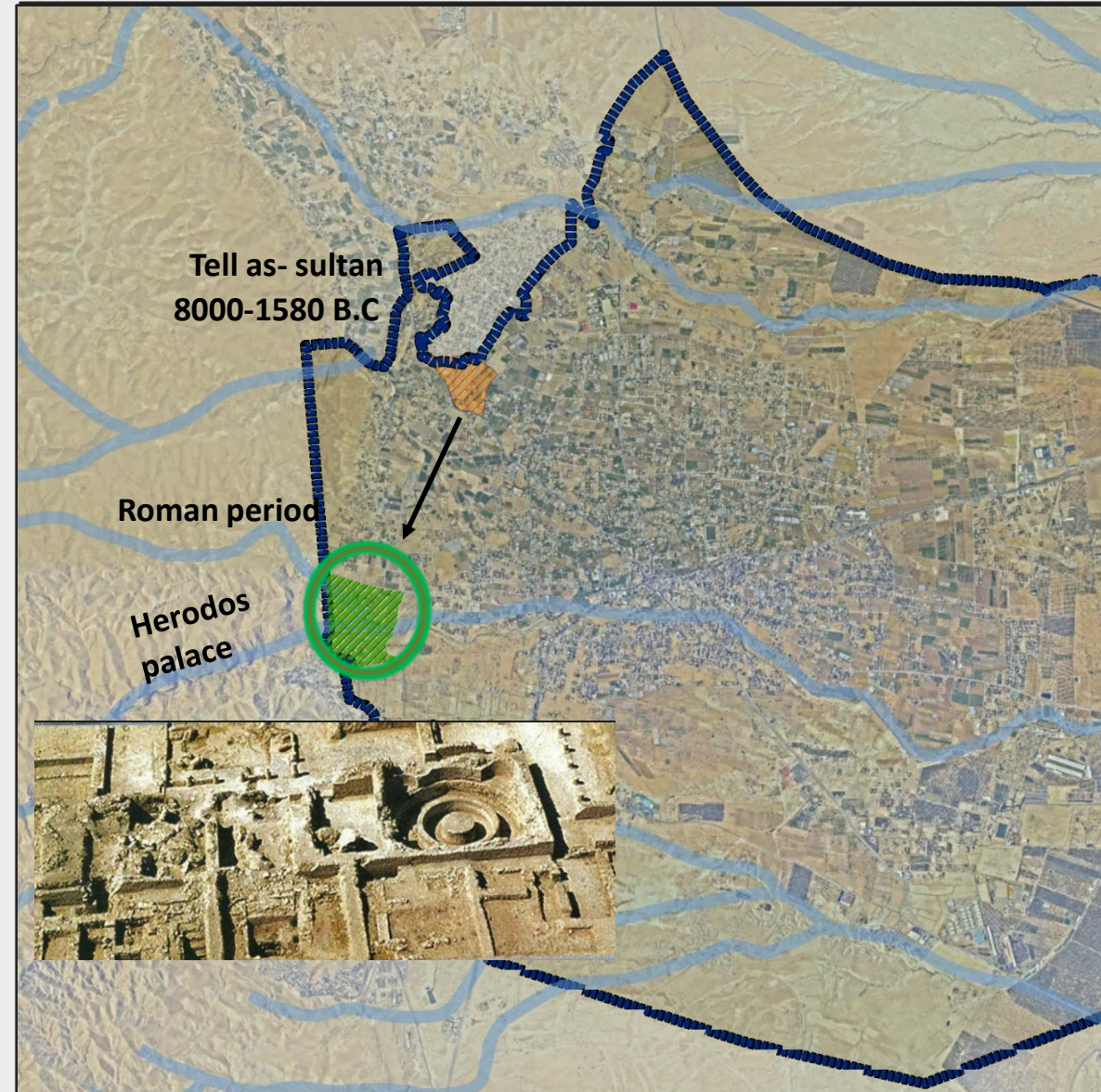
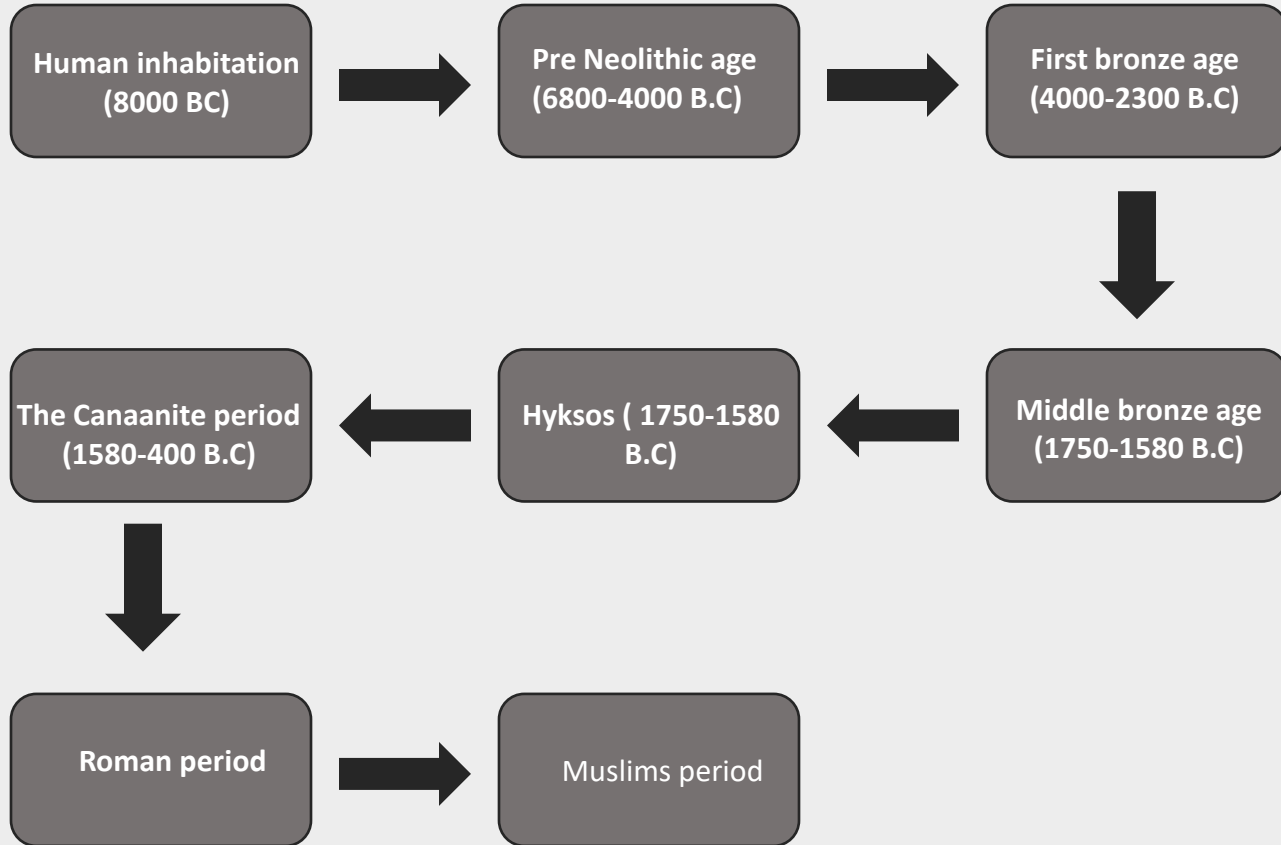


Long history,,,

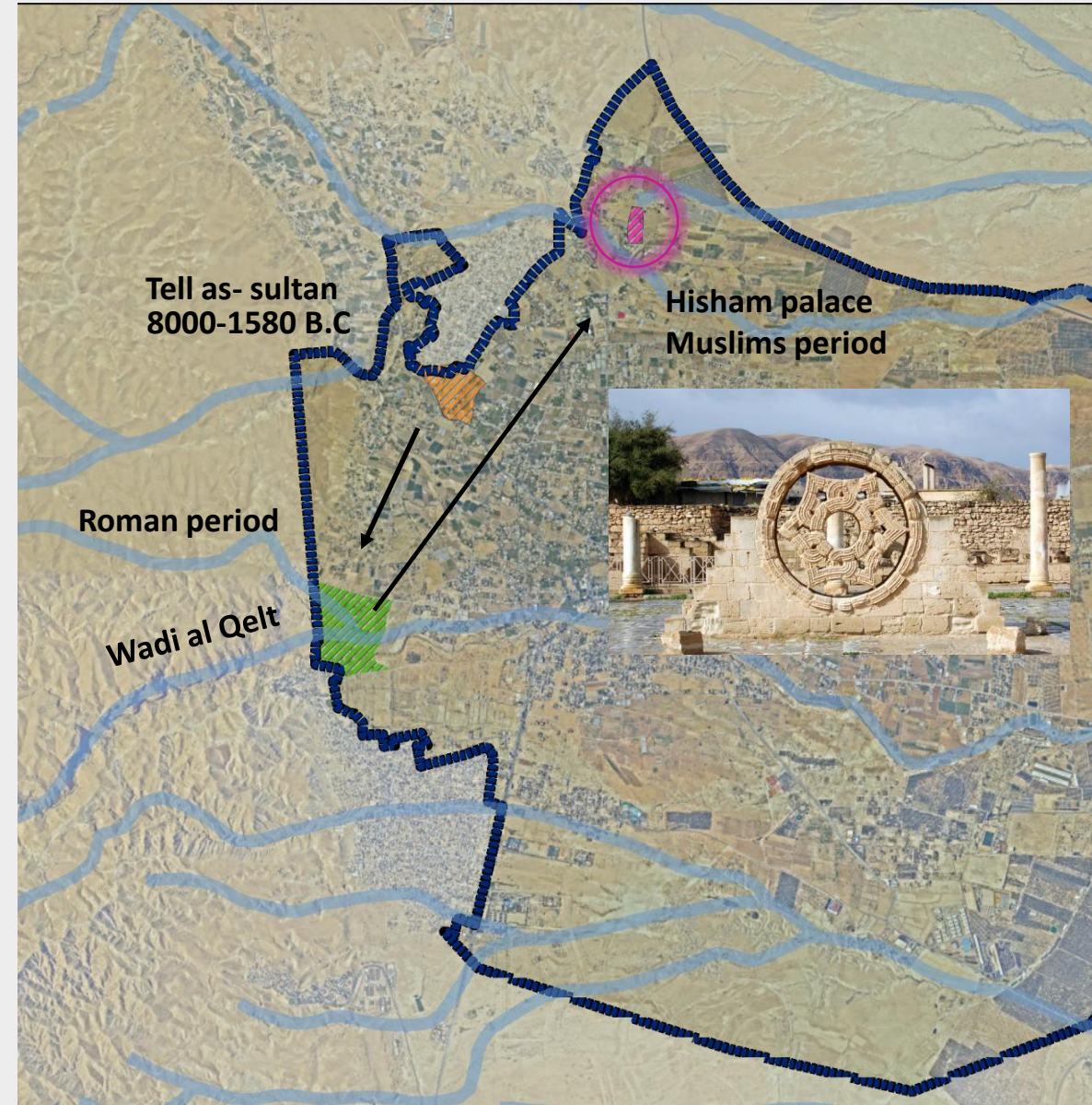
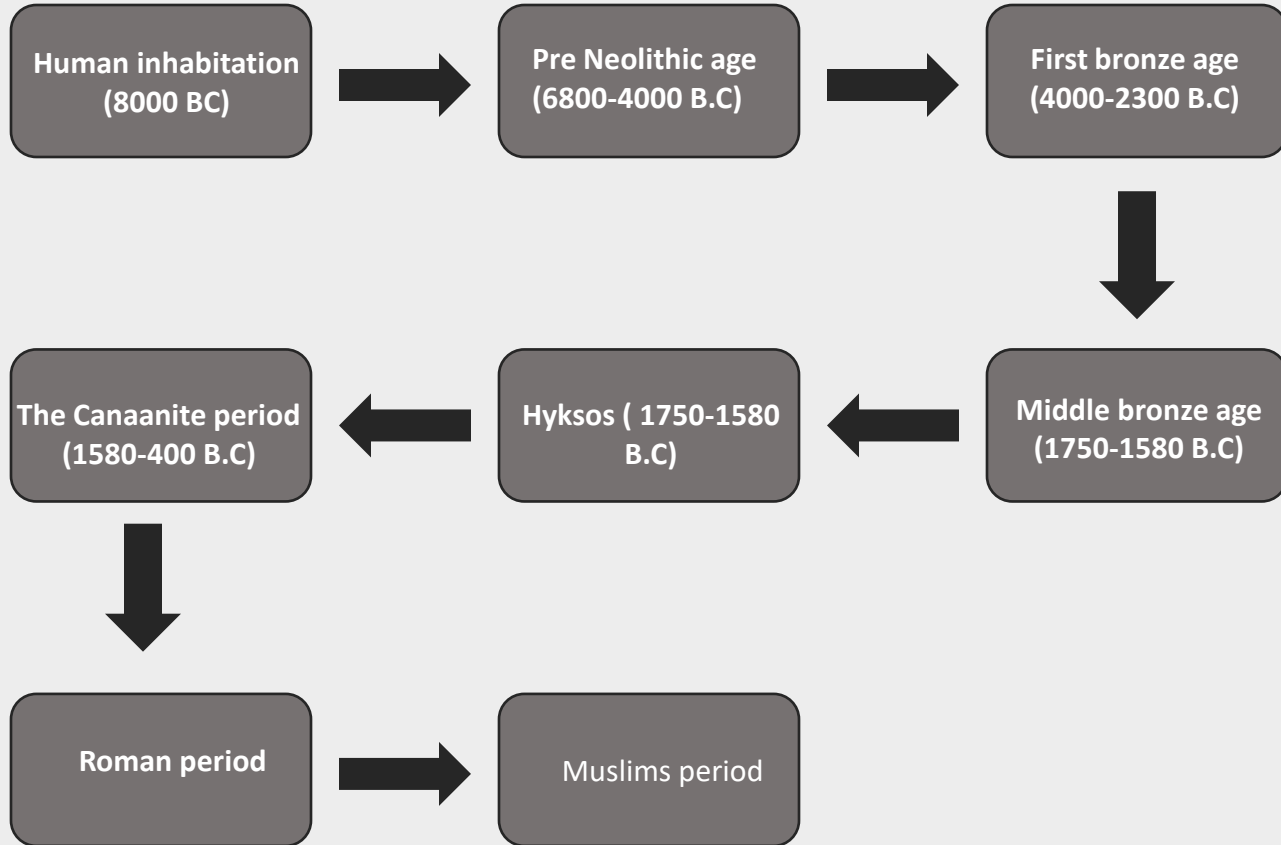
History of the city



History of the city



History of the city



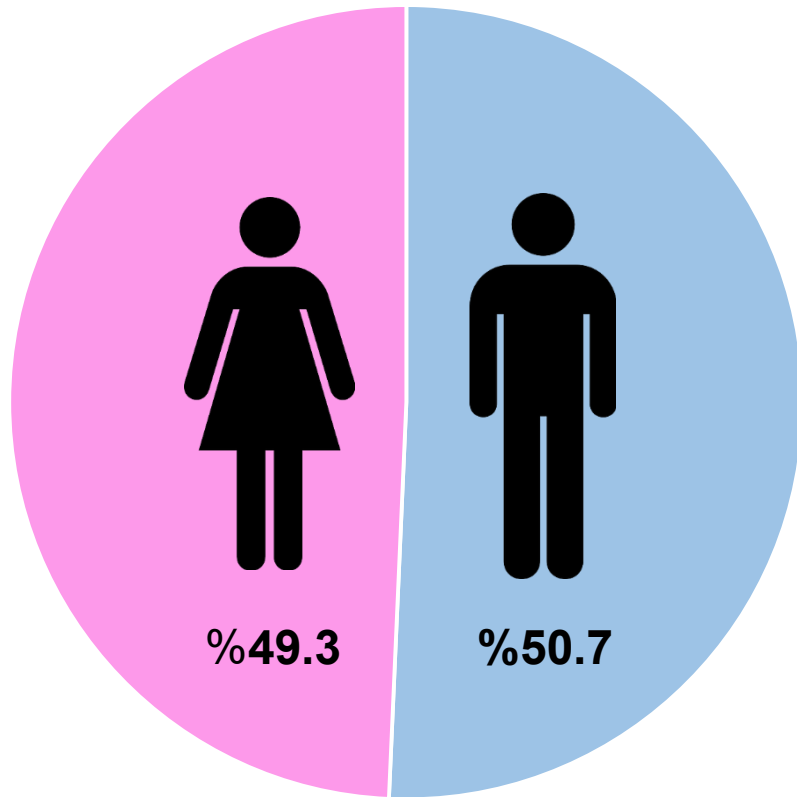


An aerial photograph of a city, likely in a desert region, showing a mix of residential and commercial buildings. A prominent feature is a large, modern building with a glass facade in the center. The foreground shows a mix of paved areas and some greenery. A dark horizontal band is overlaid across the middle of the image, containing the text 'Demographic facts' in white.

Demographic facts

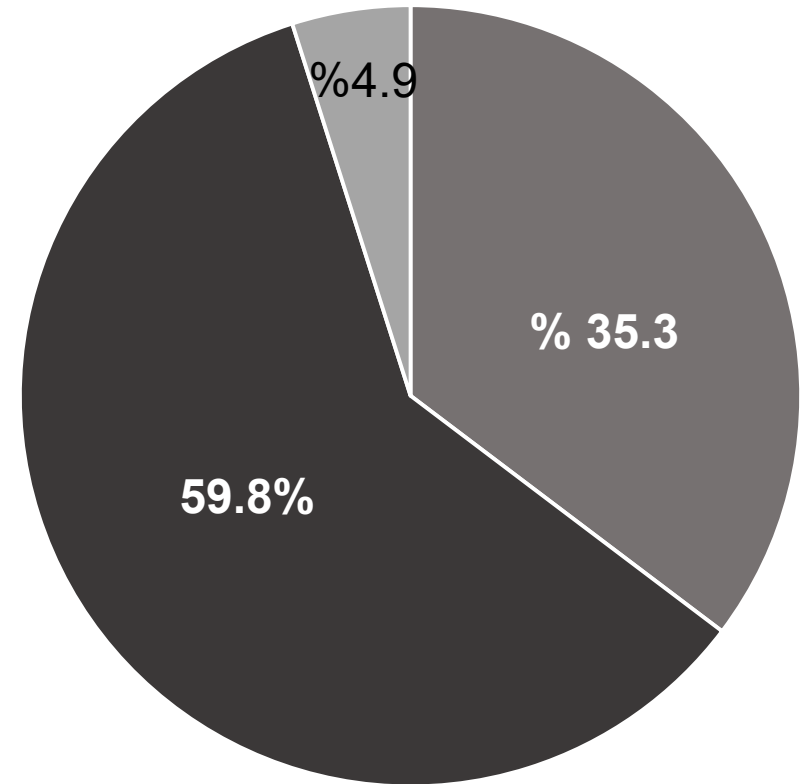
Demographic facts

Gander



■ male ■ female

Age

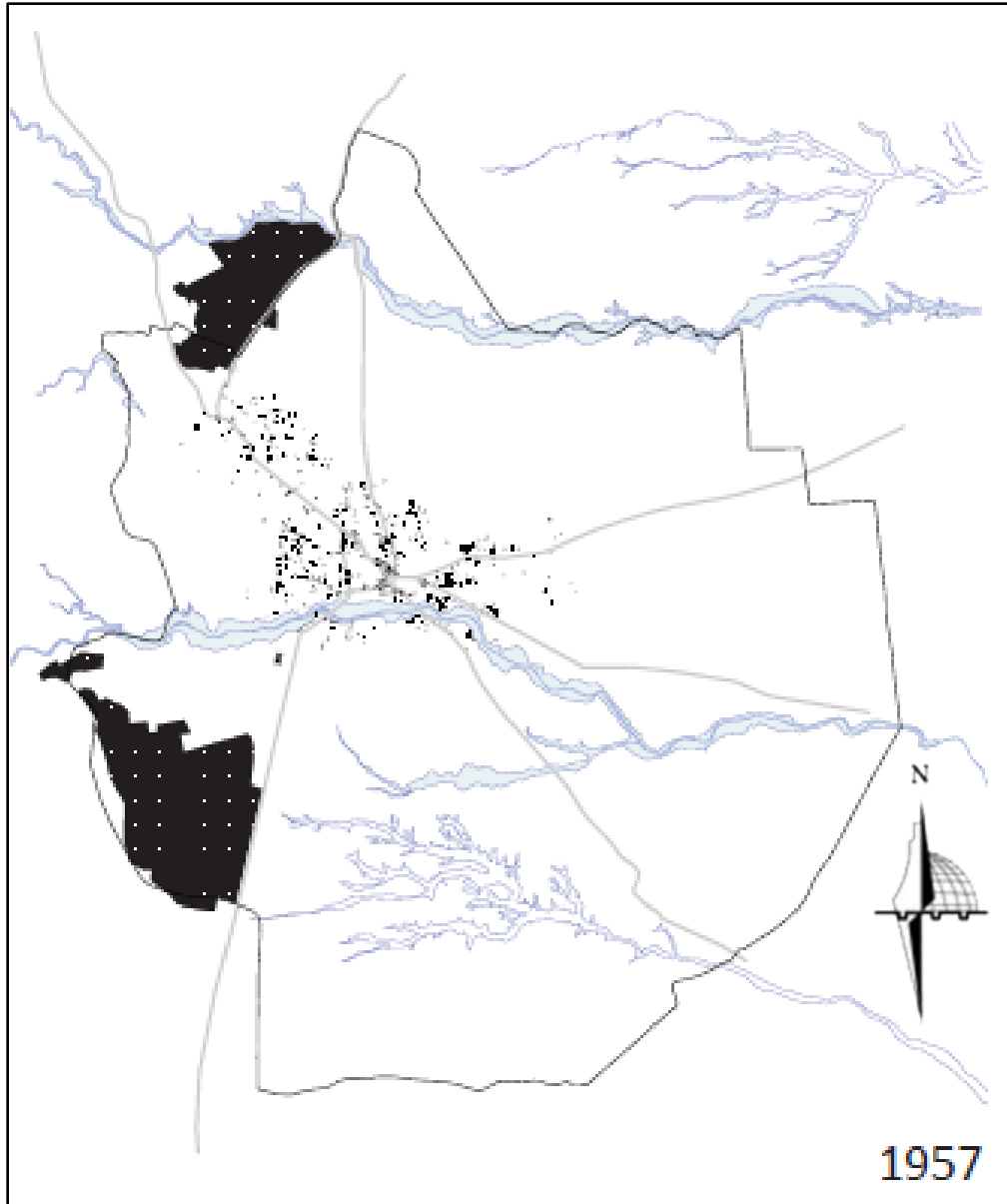


■ <15 ■ 15-65 ■ >65

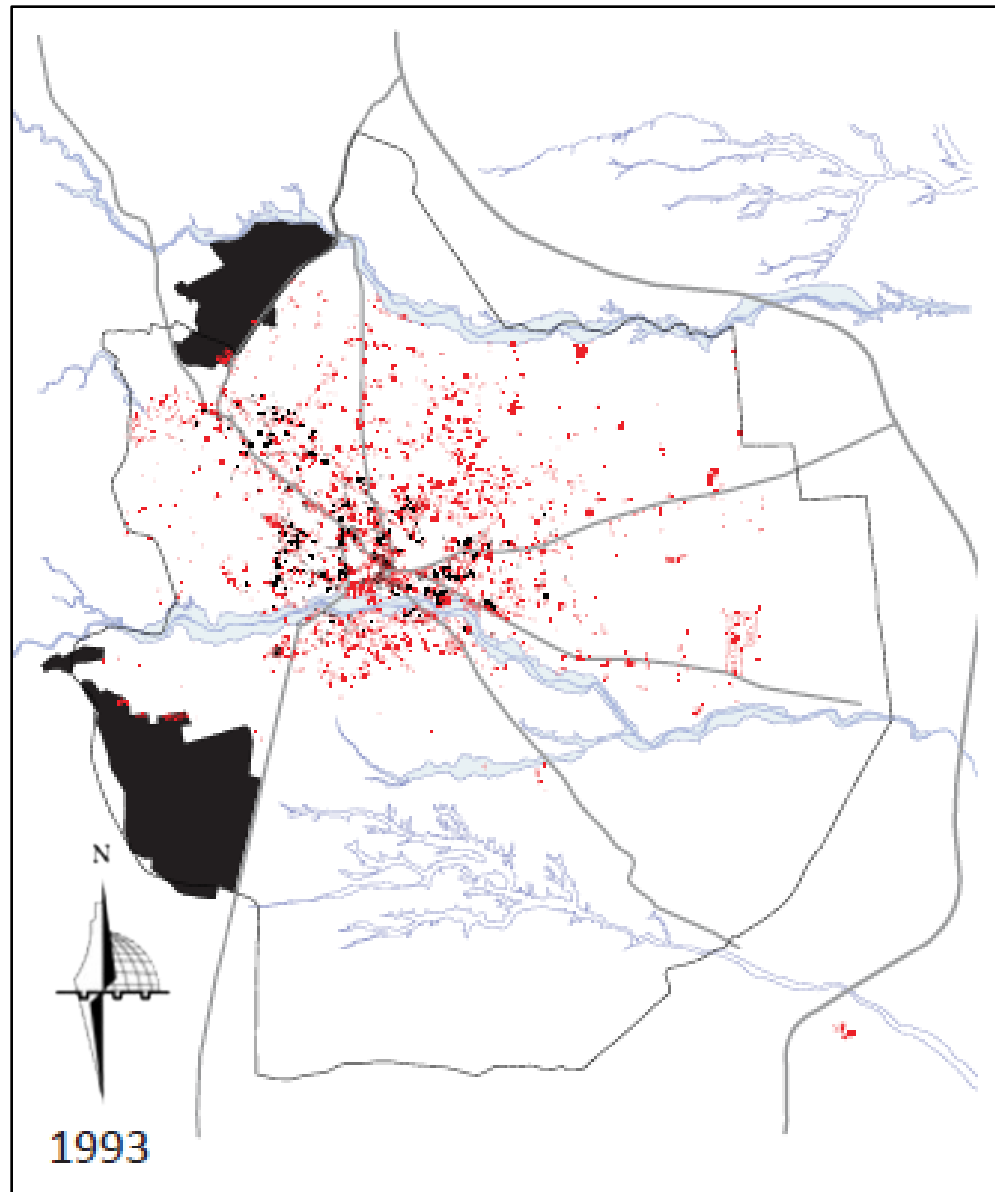
An aerial photograph of a desert town, likely in the Middle East, showing a mix of traditional and modern buildings. The town is situated in a valley with sand dunes in the background. A dark horizontal band is overlaid across the middle of the image, containing the title text in white. The foreground shows a more developed area with palm trees and a road with a few cars.

Morphology and built pattern

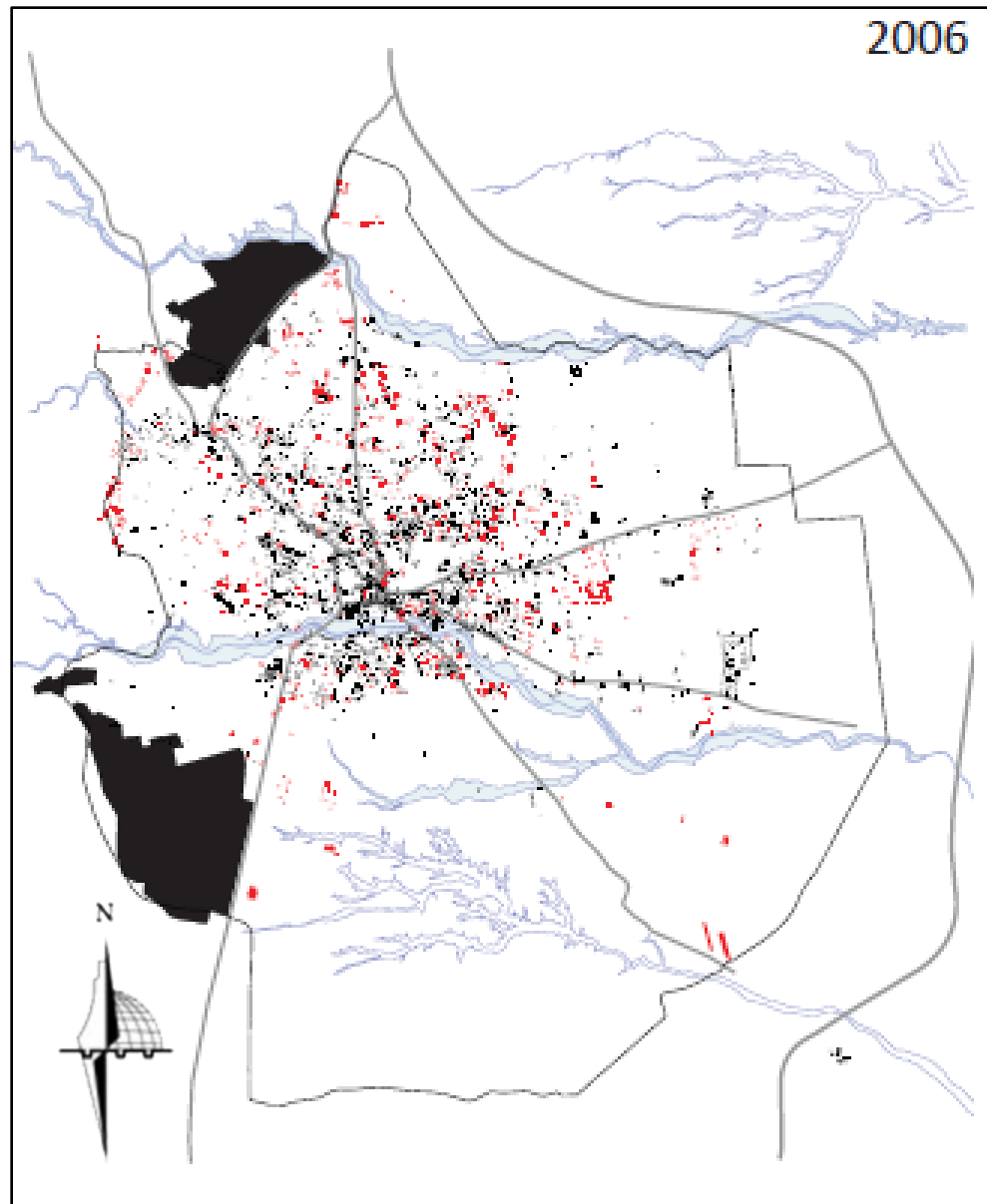
Morphology and built pattern



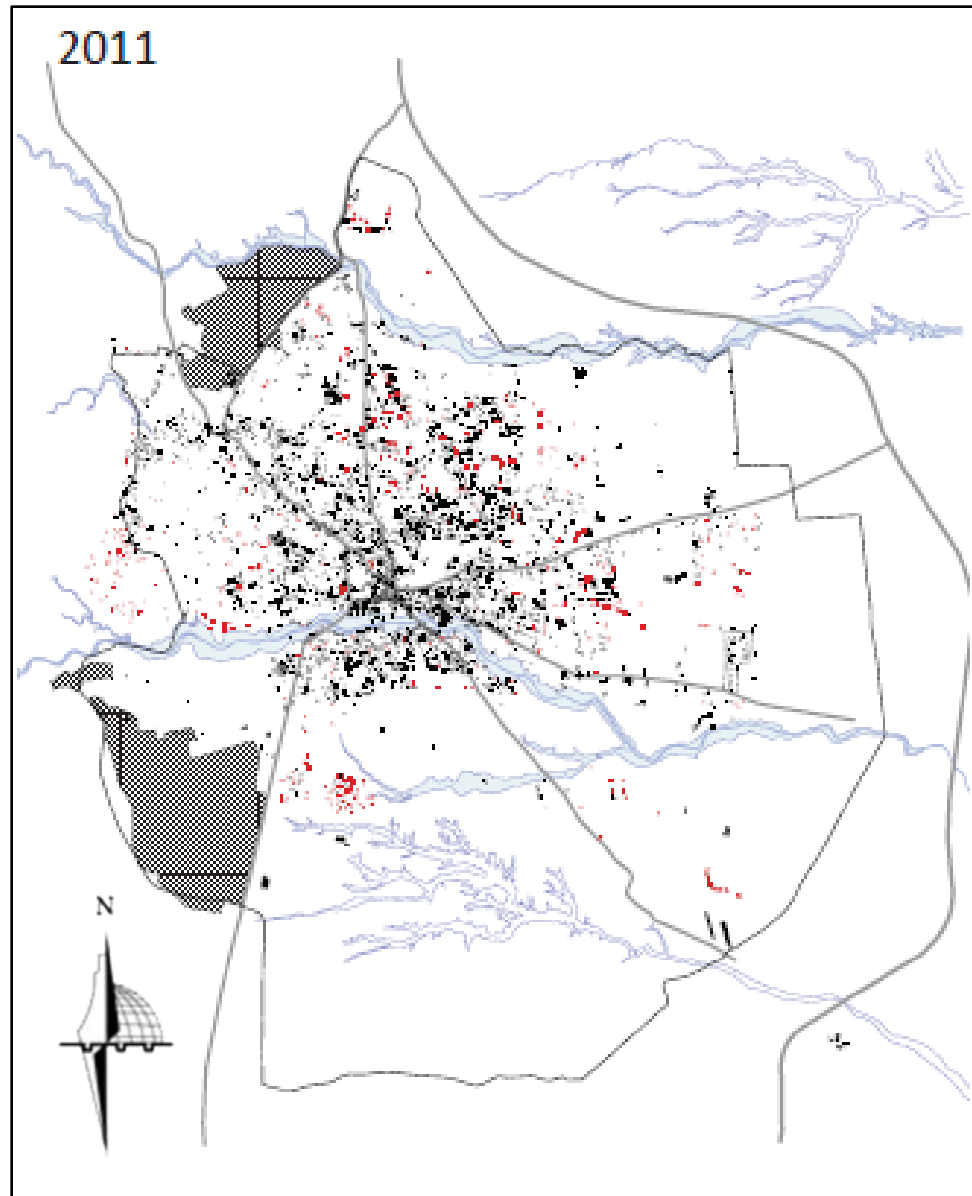
Morphology and built pattern



Morphology and built pattern



Morphology and built pattern



Built up area (2007-2016)

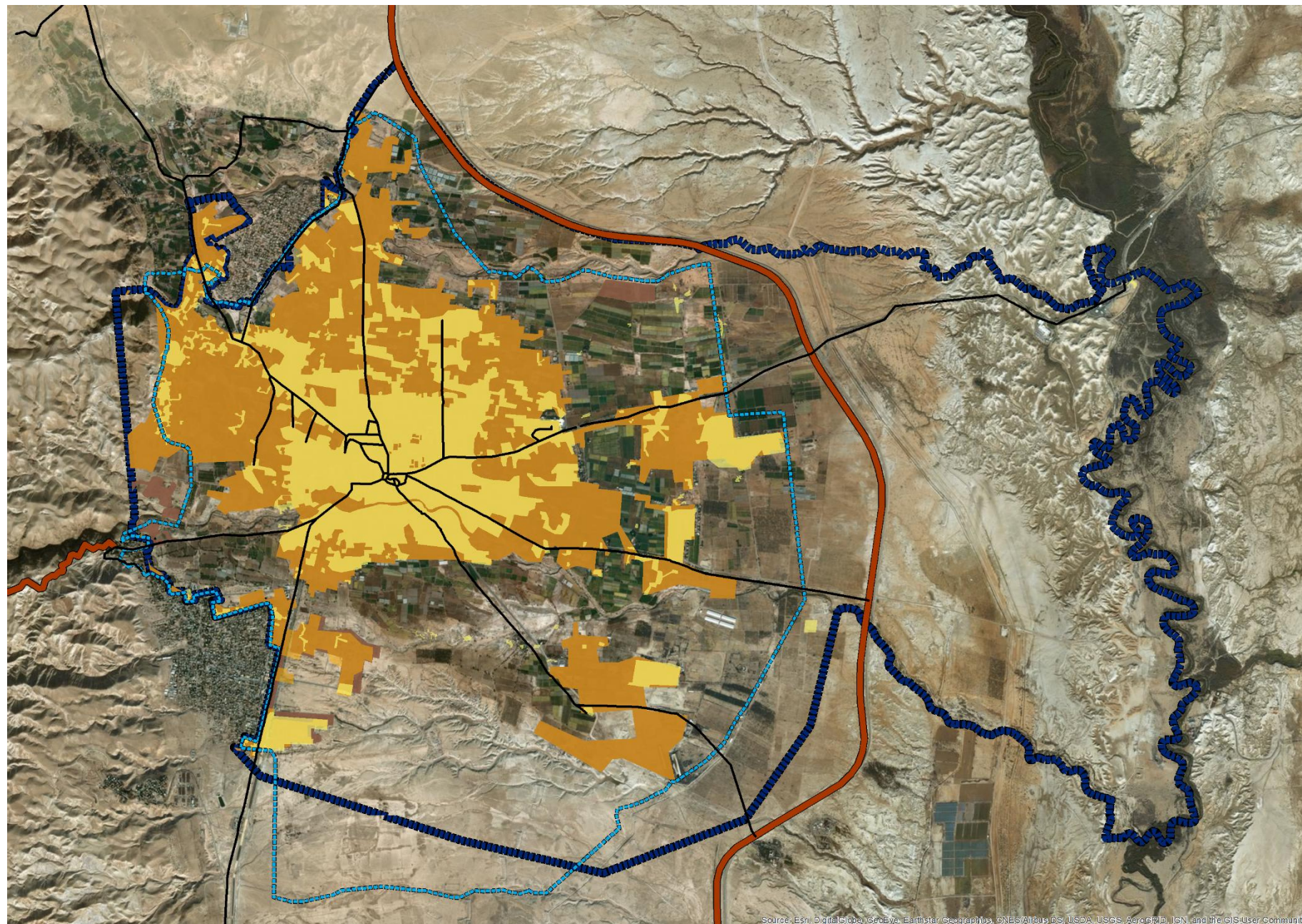


Legend

-  Built Up Area 2007
-  Built up area 2014
-  Built up area 2016
-  current master plan boundaries
-  City boundaries

Roads Network

-  Main
-  Regional



Source: Esri, DigitalGlobe, GeoEye, Earthstar/GeoPhotos, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User community

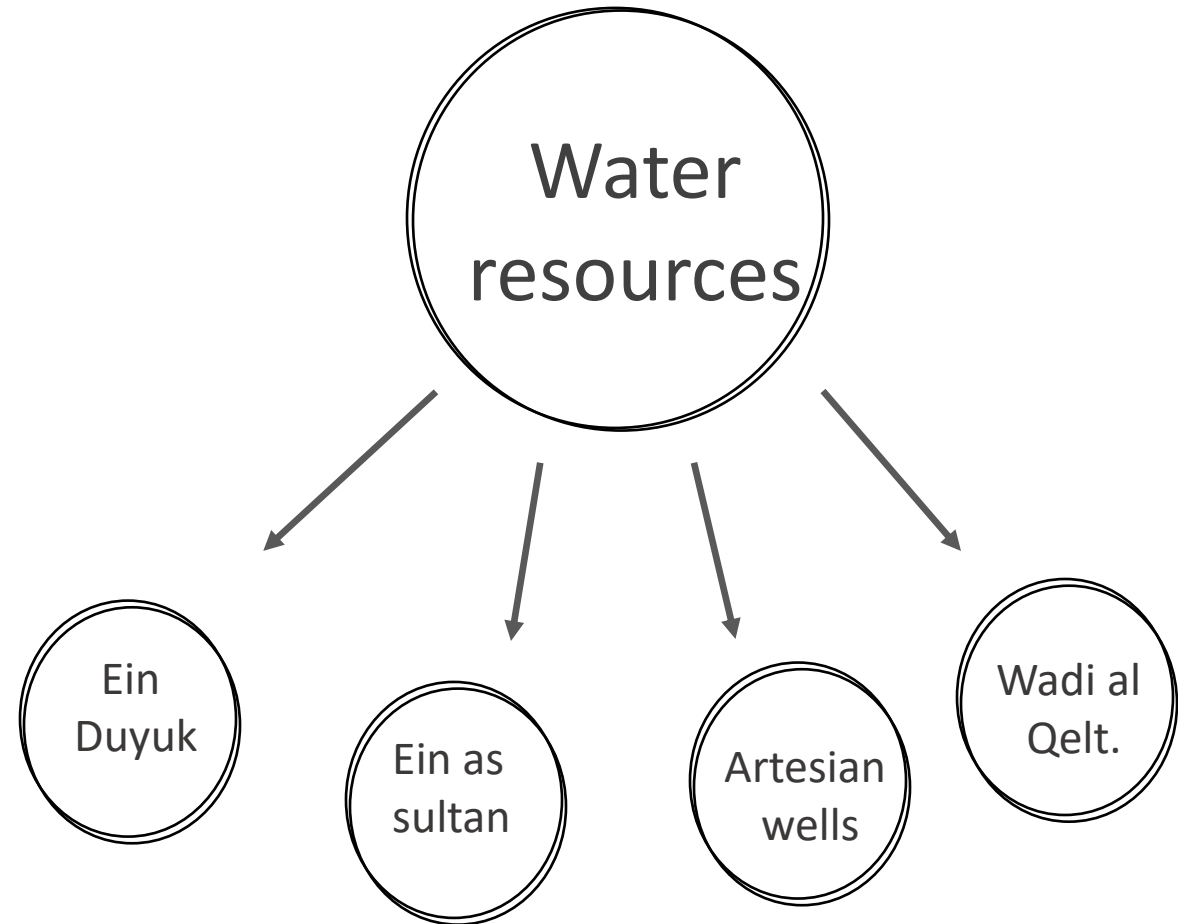
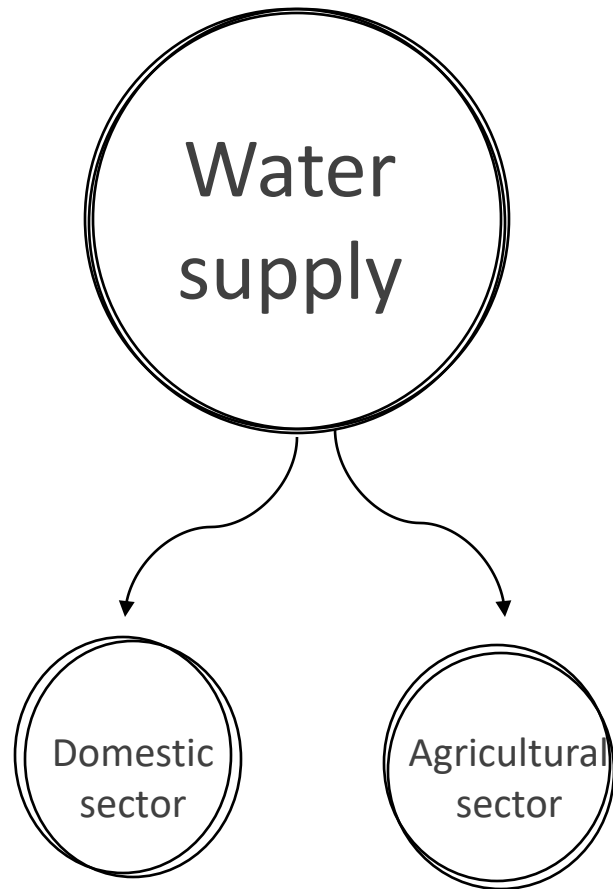
An aerial photograph of a city, likely in a desert region, showing a mix of residential and commercial buildings. A prominent feature is a large, modern building with a glass facade and a grid-like structure. To its right is a large, fenced-in area, possibly a sports field or a construction site. The foreground shows a sandy area with some sparse vegetation and a paved path. The overall scene is captured in a slightly desaturated, muted color palette.

infrastructure

An aerial photograph of a city, likely in a semi-arid region, showing a mix of residential and commercial buildings. A prominent feature is a large, modern building with a glass facade. The foreground shows a mix of paved areas and some greenery. A dark horizontal band is overlaid across the middle of the image, containing the text 'Water supply' in white.

Water supply

Water supply

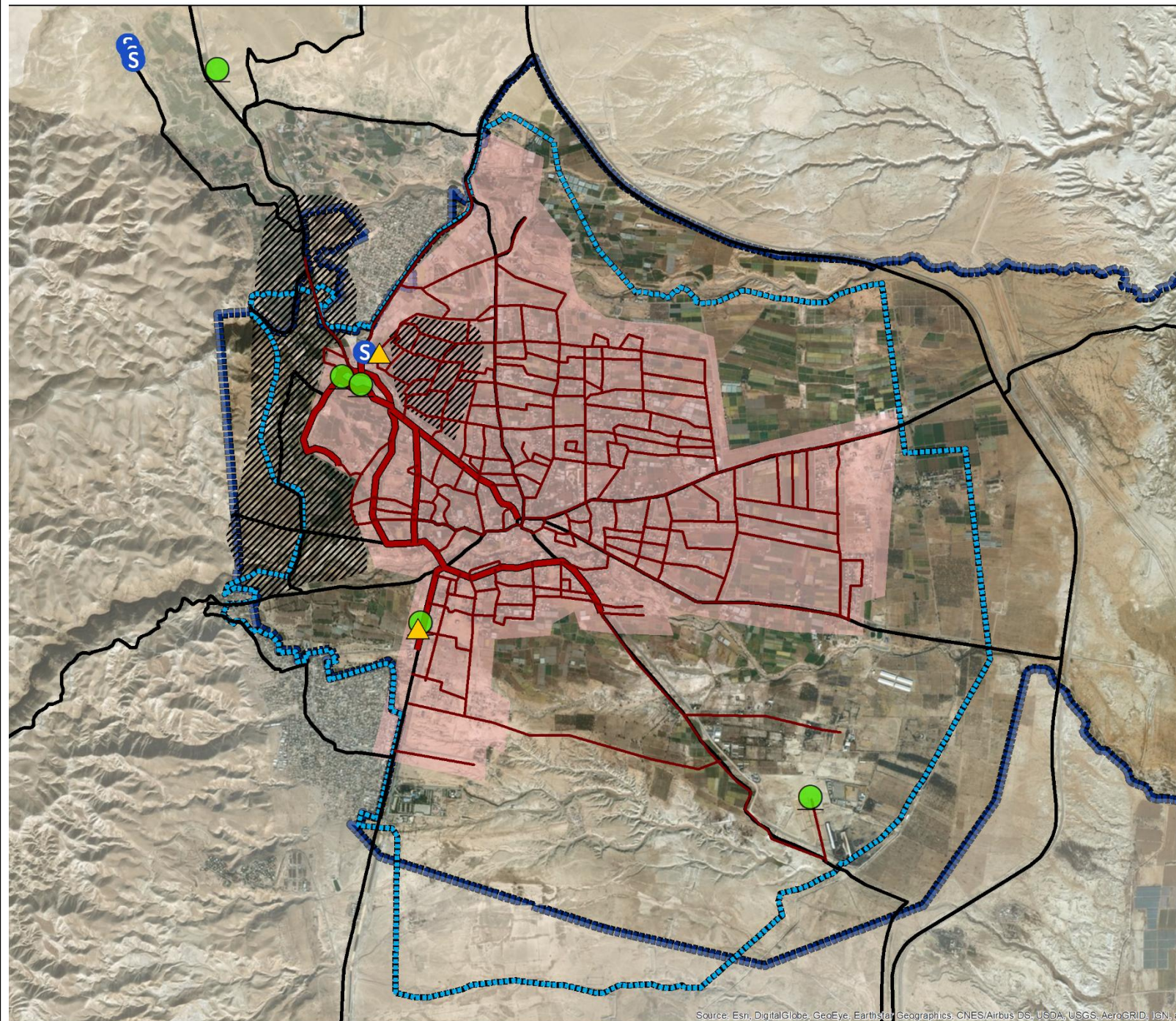
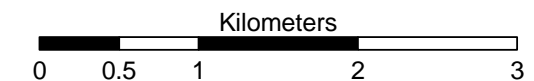


Water supply_domestic sector



Legend

- # pumping and buster station
- S springs
- ! elevated tank
- secondary pipes
- main pipes
- Roads network
- areas with insufficient water pressure
- areas with sufficient water pressure
- current master plan boundaries
- jericho city boundaries











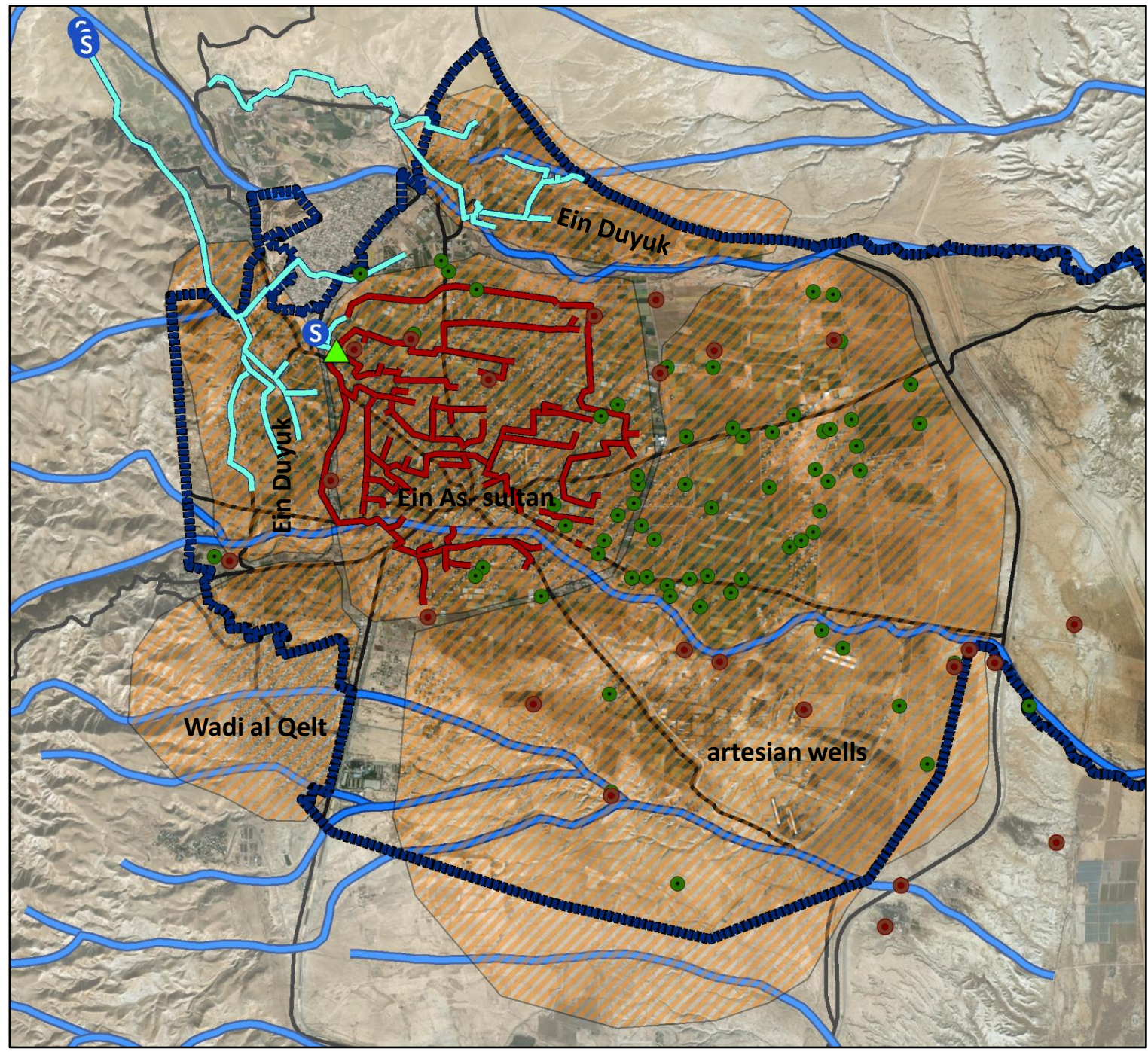
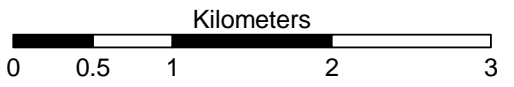
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and

Water supply_agricultral sector



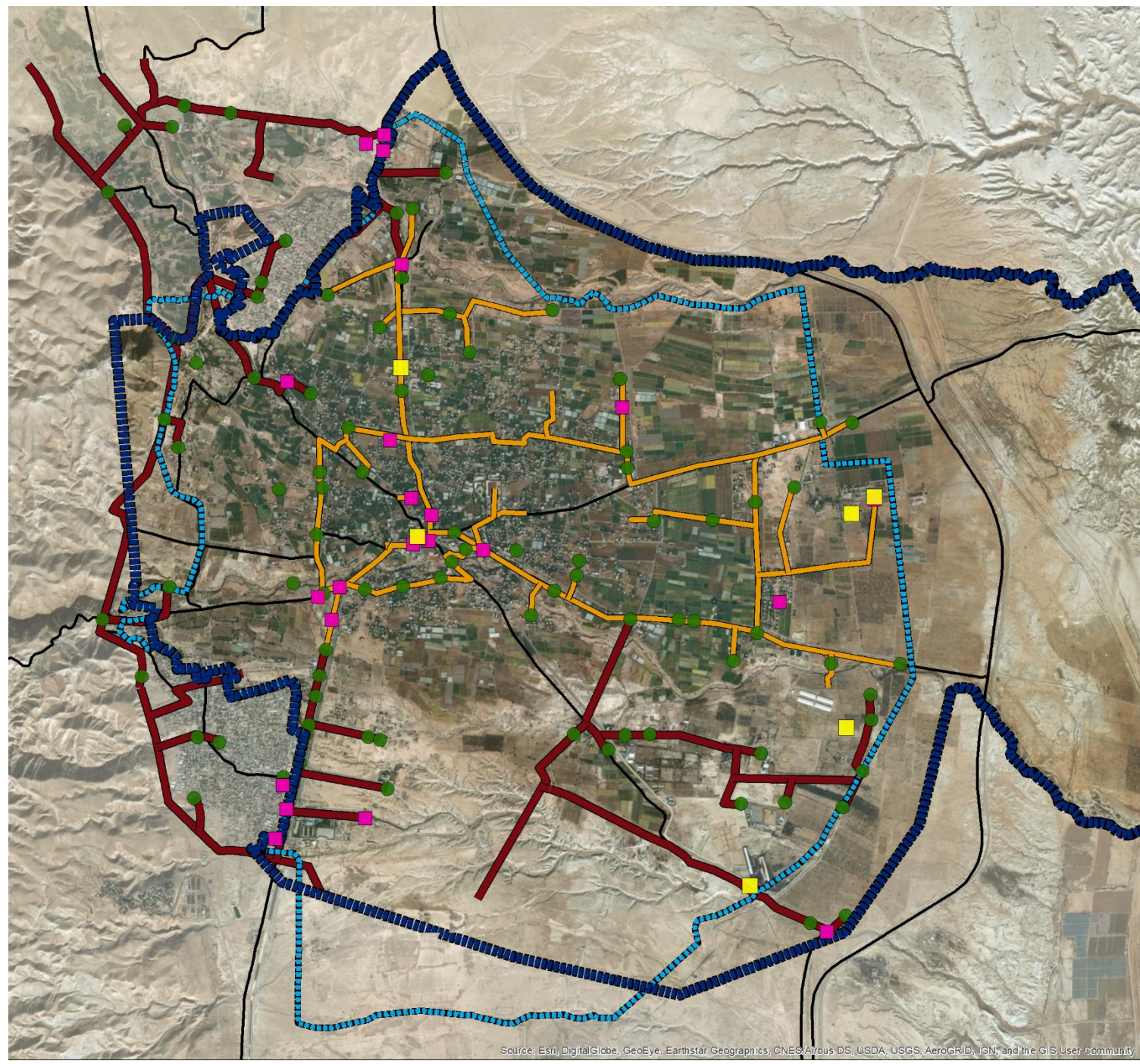
Legend

-  springs
-  pumping station
-  abandoned wells
-  agricultural wells
-  open canals network
-  pipe network
-  main source of agricultural water
-  jericho city boundaries



An aerial photograph of a city, likely in a desert region, showing a mix of residential and commercial buildings. A prominent feature is a large, modern building with a glass facade and a grid-like structure. To its right is a large, fenced-in area, possibly a sports field or a construction site. The foreground shows a sandy area with some sparse vegetation and a road. The overall scene is captured from a high angle, providing a wide view of the urban landscape.

Power supply










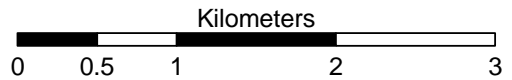
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Power supply network



Legend

-  solar cells
-  substations
-  transformer
-  low voltage line
-  high voltage line
-  Roads network
-  jericho city boundaries











An aerial photograph of a city, likely in a semi-arid region, showing a mix of residential and commercial buildings. A prominent feature is a large, modern building with a glass facade in the center. The foreground shows a large, flat, open area, possibly a parking lot or a construction site. A semi-transparent dark banner is overlaid across the middle of the image, containing the text "Solid waste management" in white.

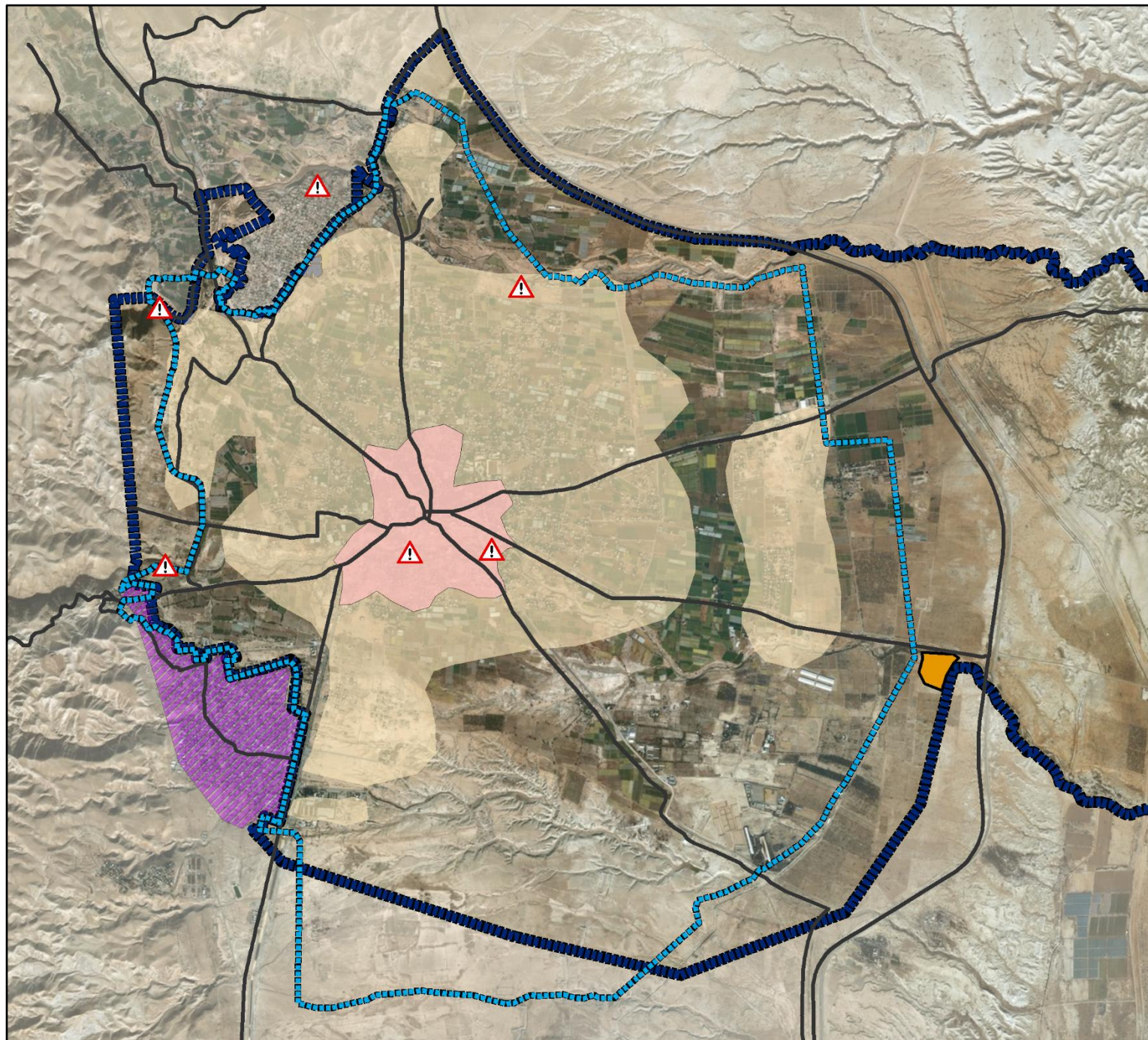
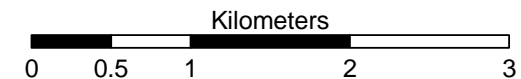
Solid waste management

Solid waste management



Legend

-  illegal dumpsite
-  Roads network
-  inner garbage collection made by different bodies
-  area with regular although insufficient waste collection
-  areas with legal waste collection
-  existing sanitary land
-  current master plan boundaries
-  jericho city boundaries



An aerial photograph of a city, showing a mix of residential and commercial buildings. A semi-transparent dark banner is overlaid across the middle of the image, containing the text 'Solid waste management' in white. The city below shows a grid-like street pattern and various types of structures, including some taller buildings and many smaller houses. The overall tone is somewhat muted due to the overlay.

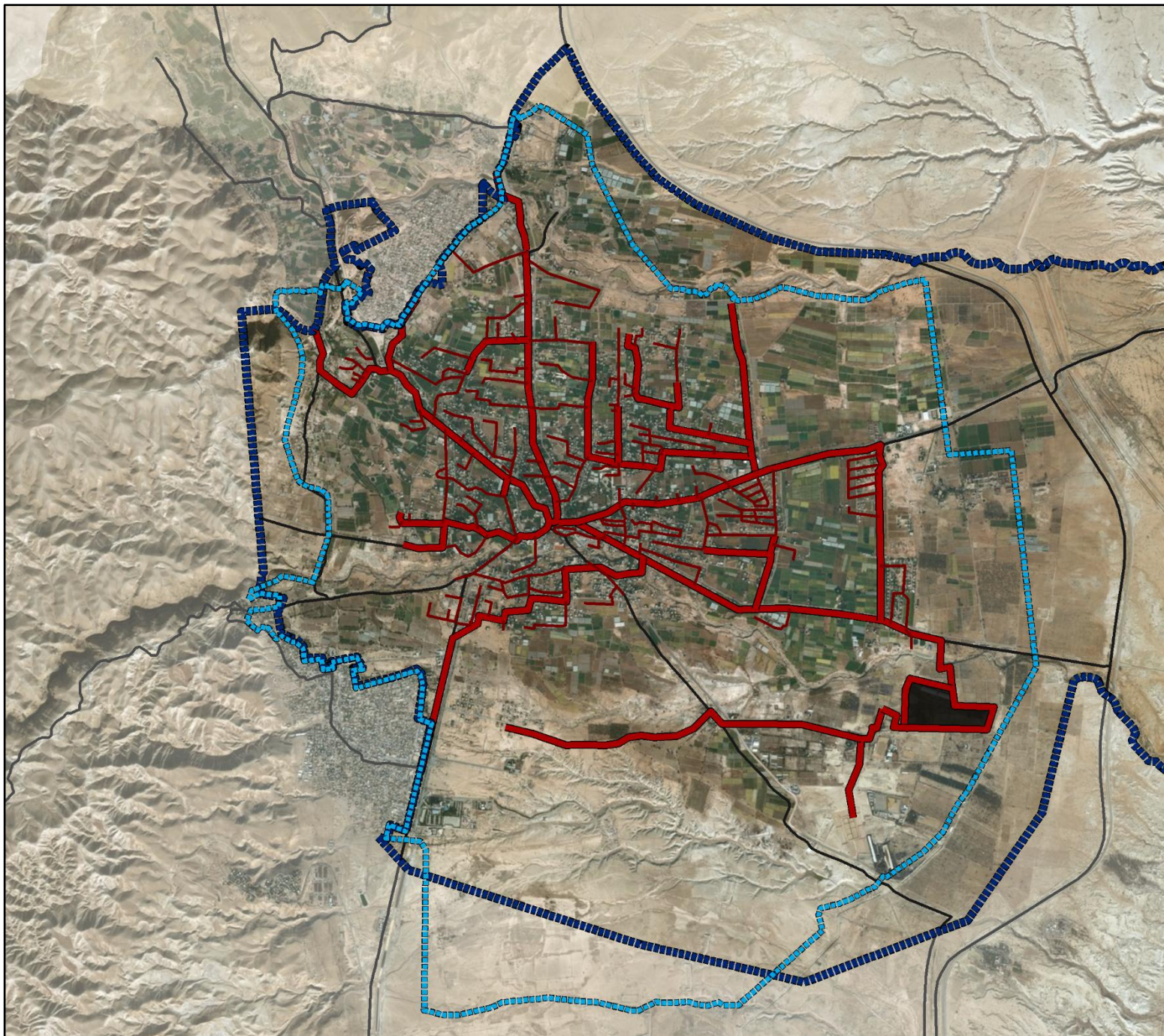
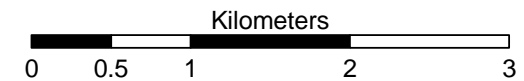
Solid waste management

Sewage and sanitation network



Legend

- secondary pipes
- trunk pipes phase 2
- trunk pipes
- waste water treatment plant
- current master plan boundaries
- jericho city boundaries



An aerial photograph of a coastal town, likely in a tropical region, showing a mix of residential buildings, palm trees, and agricultural fields. A dark horizontal band is superimposed over the center of the image, containing the text 'Current condition analysis' in white. The background image is dimmed to make the text stand out.

Current condition analysis

Criteria



**clean and
healthy environment.**



Strong economic base



**High quality
of Infrastructure.**



**Green and pleasant
areas in the city.**



Equitable social baes















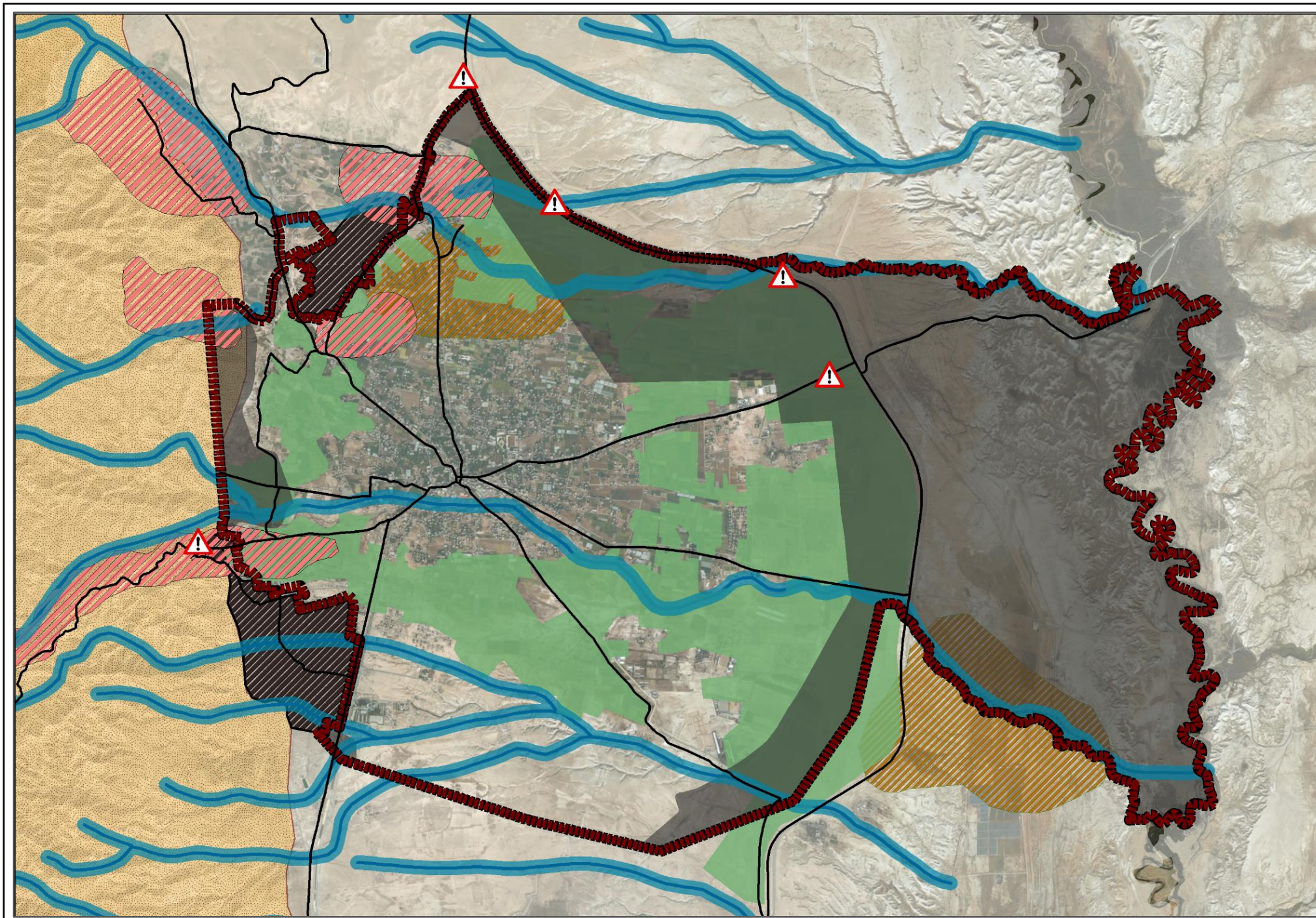
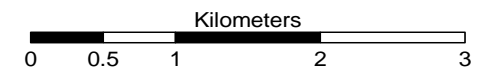
**Preserved
Cultural heritage.**

Constrains in the planning area






Legend

-  Checkpoints
-  wadis
-  main roads network
-  flooding area
-  CulturalHeritage
-  NaturalReserve
-  Area C
-  Biodiversity
-  agricultural lands
-  refugee camps
-  mountains
-  jericho city boundaries







Potentials and opportunities of the economic base

Legend








-  refugee camps
-  Roads network
-  Jericho city boundaries





Commercial sector

-  King Hussein Bridge
-  Commercial Development
-  Commercial area with main axis
-  Bridge Terminal


Tourism sector

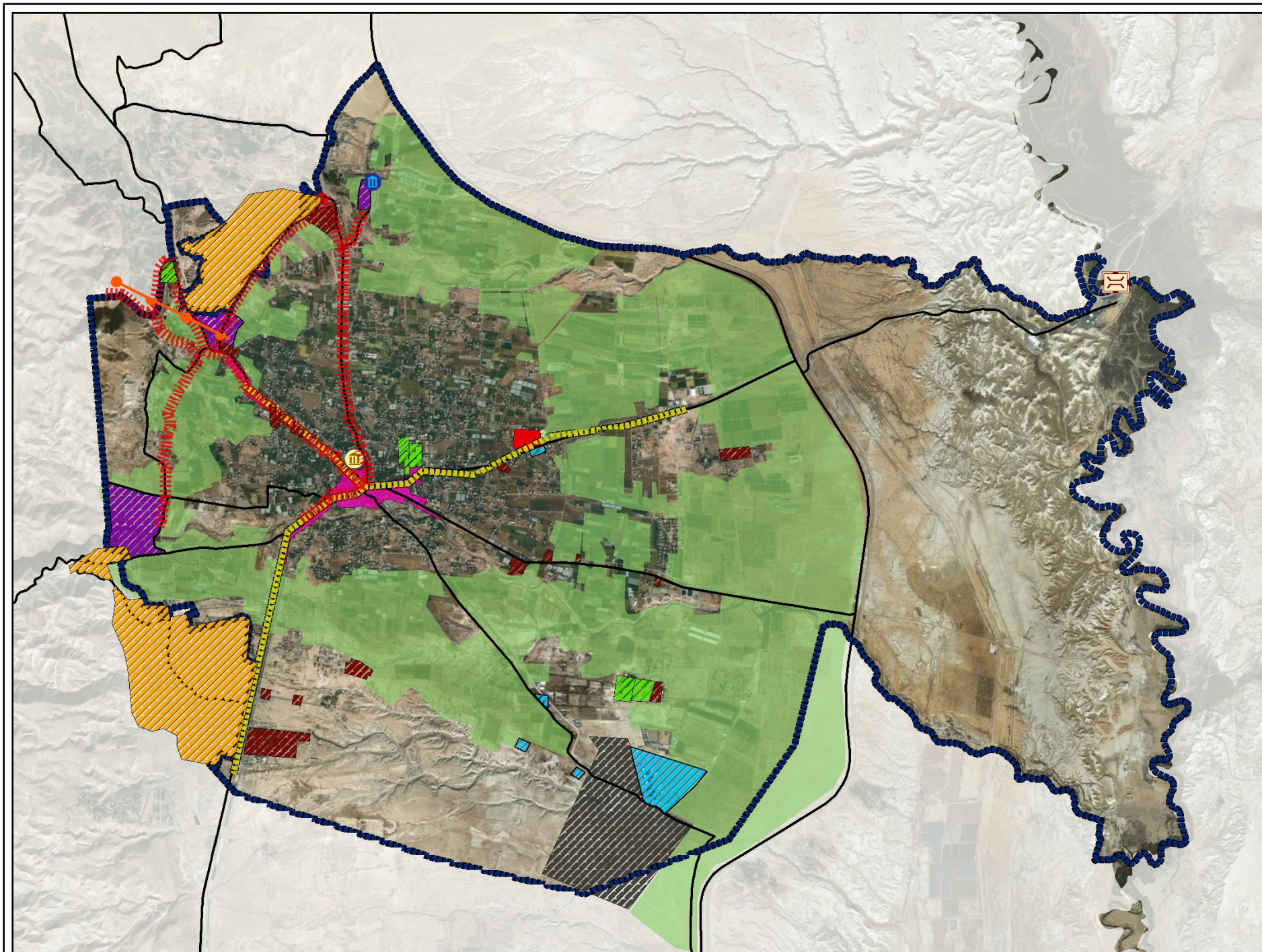
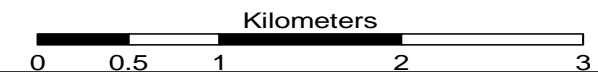
-  Russian museum
-  Hisham palace museum
-  Telepherique Line
-  Tour Route
-  Tourism Infrastructure (parks)
-  Tourism Infrastructure (hotels and resorts)
-  Most Important Historical Sites

Industrial sector

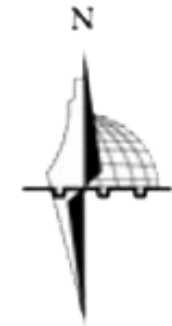
-  Existing Industries
-  agro industrial park

Agricultural sector







-  agricultural lands



Problems of the economic base

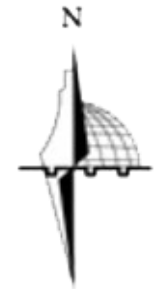


Legend

-  missing connection with road 90
-  neglected archeological sites
-  Agricultural lands planned for development
-  refugee camps
-  current master plan boundaries
-  jericho city boundaries



Good quality of infrastructure (potentials and oportunities)



Legend

- Roads network
- ▭ refugee camps
- ▭ jericho city boundaries

Water supply

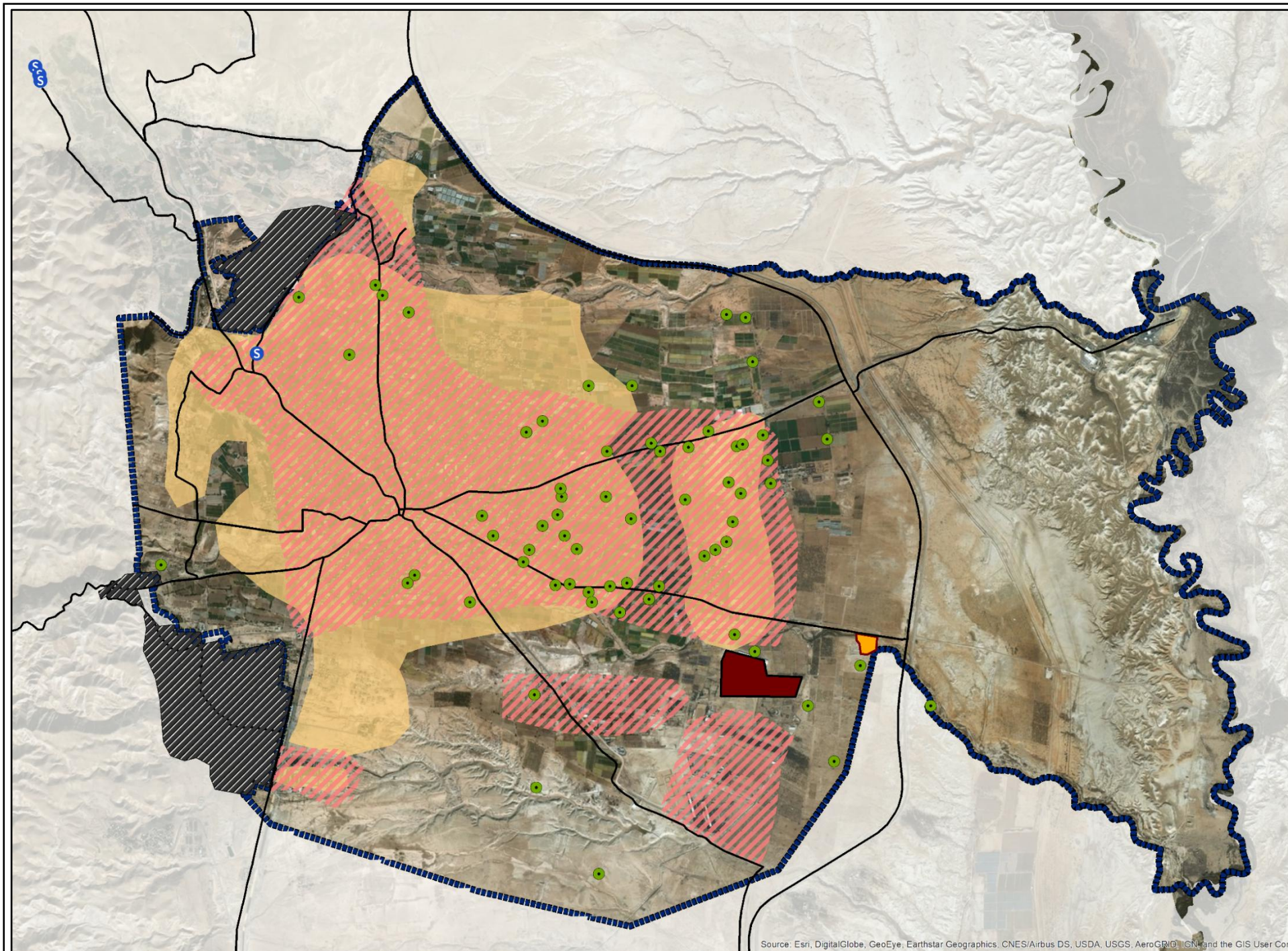
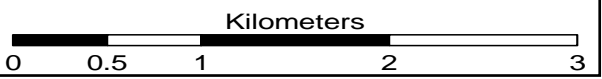
- Ⓢ springs
- ! agricultural wells

Solid waste collection

- dumpsite
- areas with legal waste collection

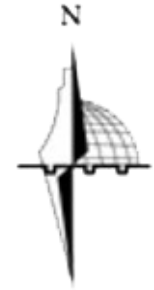
Sewer system

- waste water treatment plant
- ▨ area served by sewer system



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Problems of the infrastructure



Legend

- main roads network
- ▭ refugee camps
- ▭ jericho city boundaries

Water supply

- ⊗ abandoned wells
- Open Water Canals Network
- ▭ areas with insufficient water pressure

Sewer system

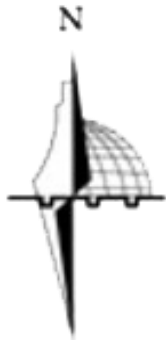
- ⚠ Illegal Sewer Discharge

Solid waste collection

- ▭ area with insufficient waste collection

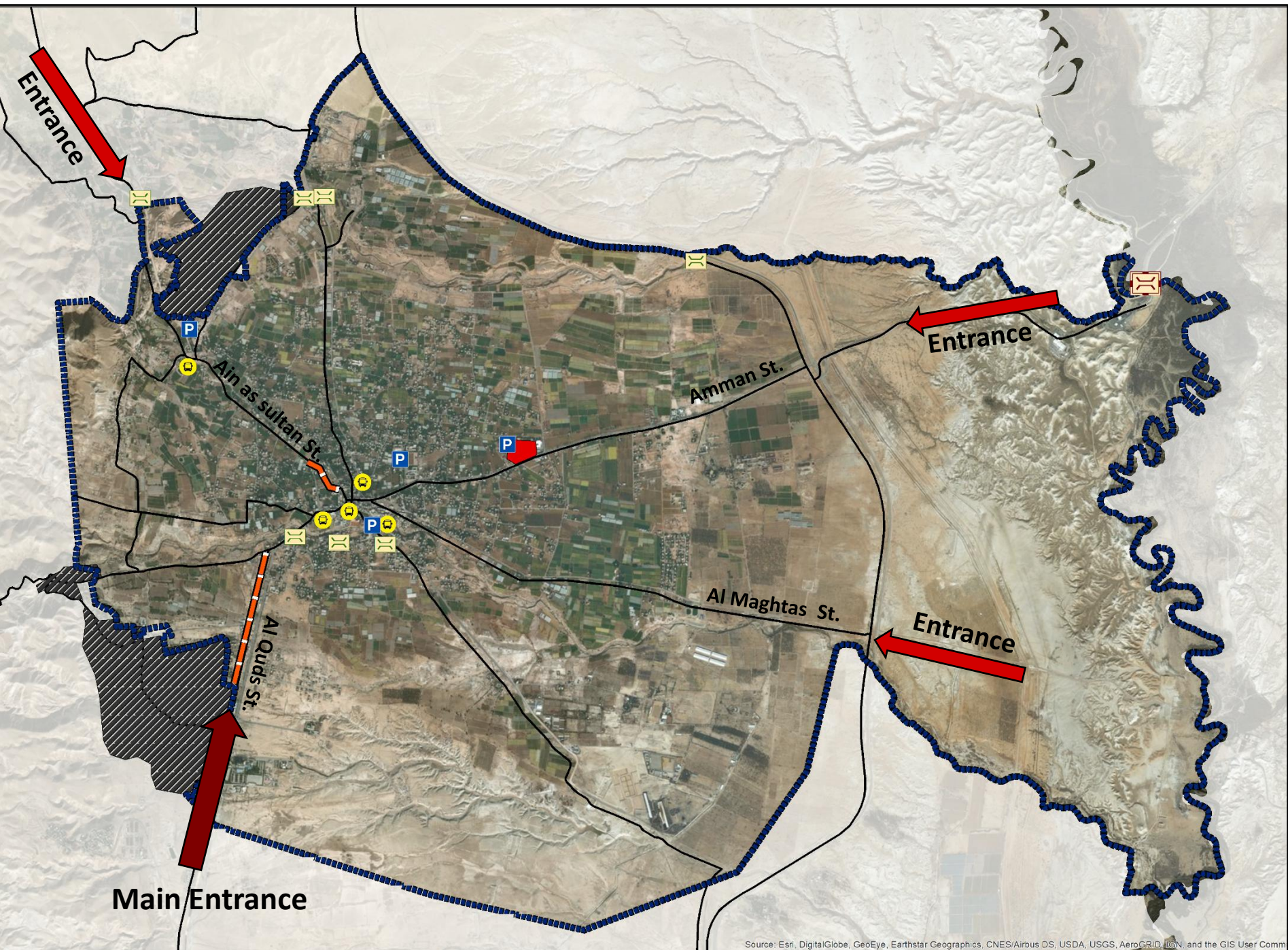


Transportation potentials and opportunities



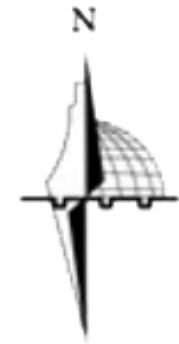
Legend

- bridge
- bus stops
- public car parking
- king Hussein Bridge
- cycle path
- Bridge Terminal
- Roads network
- refugee camps
- jericho city boundaries



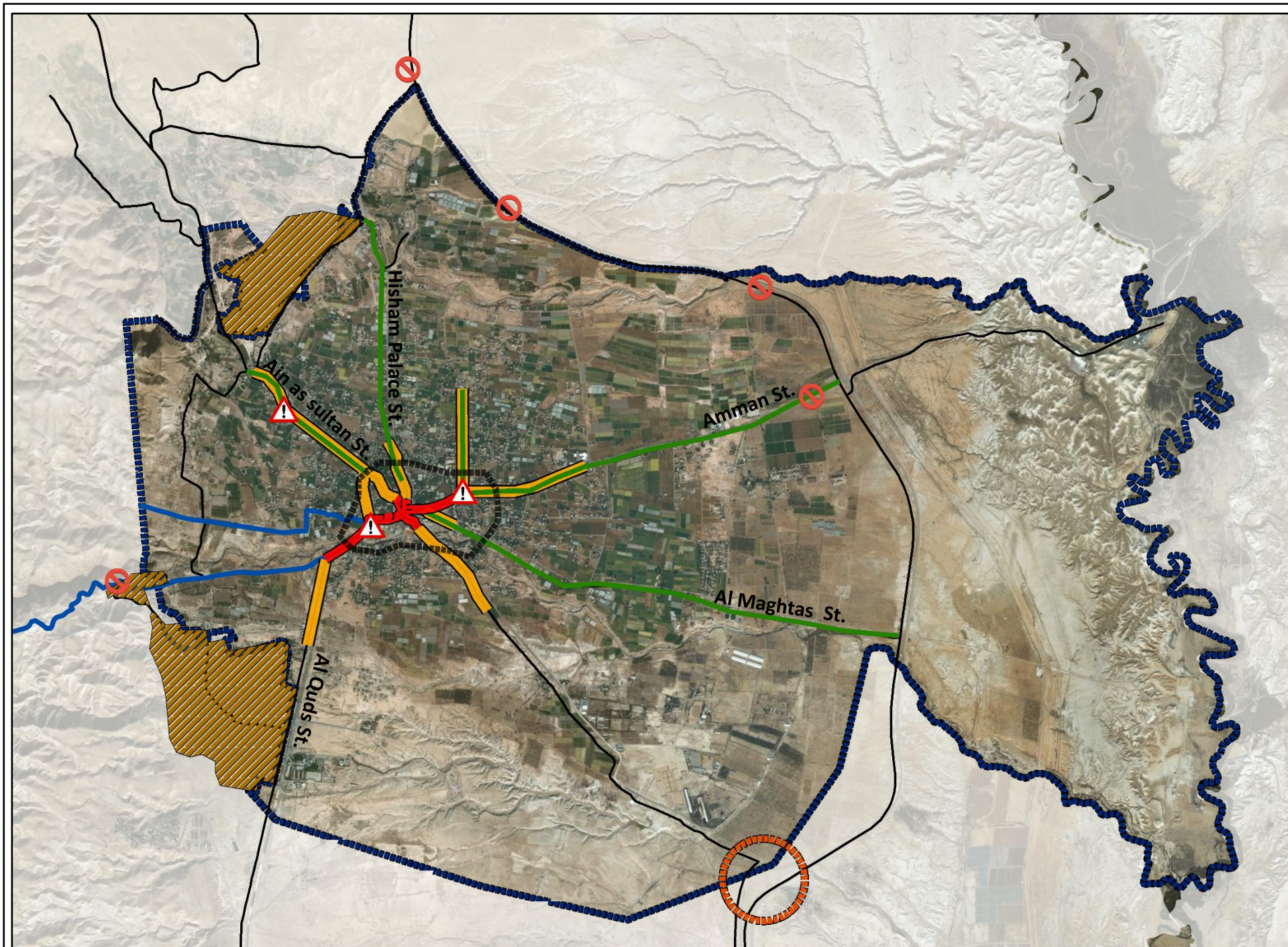
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Comm

Transportation problems



Legend

-  Checkpoints
-  accident hot spots
-  roads with high congestion
-  roads with moderate congestion
-  Streets need to be improved
-  Streets need for complete rehabilitation
-  lack of public parking
-  missing connection with road 90
-  main roads network
-  refugee camps
-  jericho city boundaries



Potentials and opportunities of the cultural and natural heritage

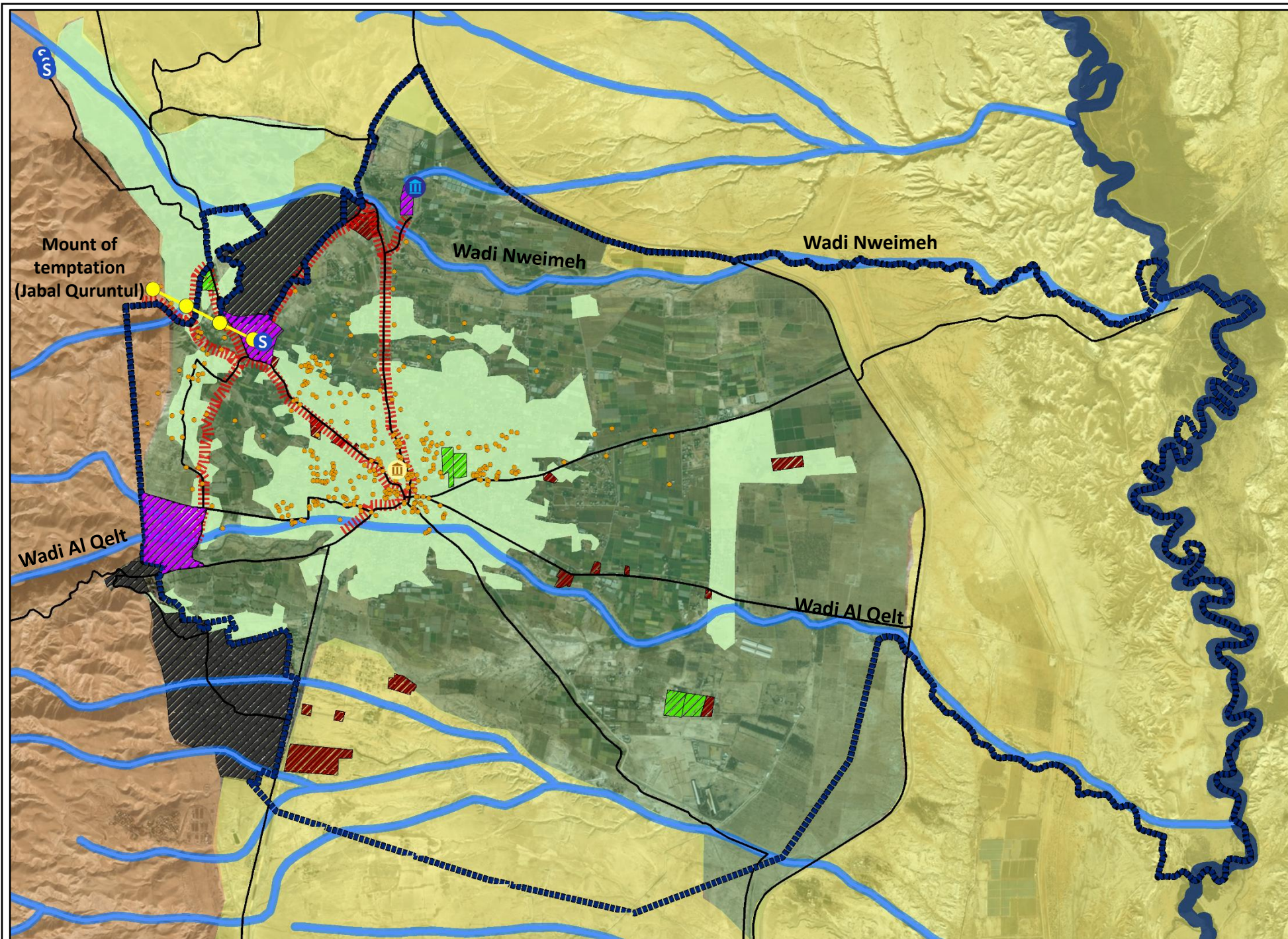
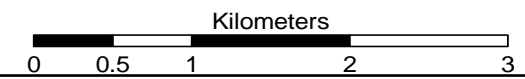


legend

- Roads network
- Refugee Camps
- ▤ Jericho city boundaries
- mud houses
- 🏛️ Russian museum
- 🏛️ Hisham palace museum
- ▤ Tour route
- telepherique line
- ▨ most important archeological sites
- Tourism Infrastructure (parks)
- Tourism Infrastructure (hotels and resorts)

Natural heritage

- Ⓢ springs
- wadis
- Jordan River
- 🏔️ mountains
- 🌵 desert
- 🌿 the oasis
- 🌱 Agricultural land



Mount of temptation (Jabal Quruntul)

Wadi Nweimeh

Wadi Nweimeh

Wadi Al Qelt

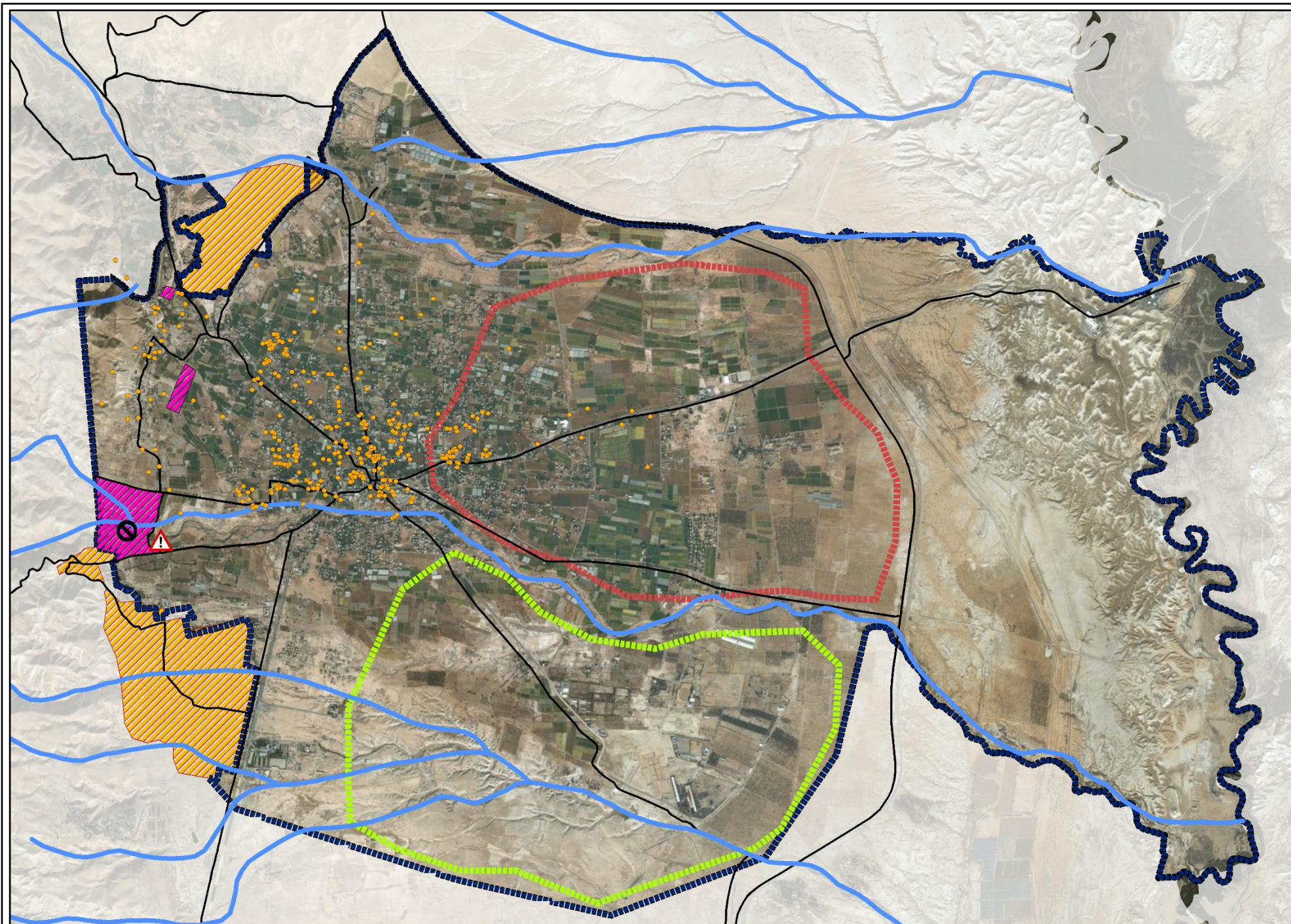
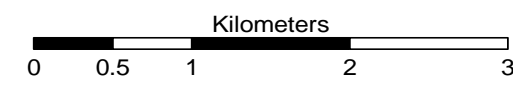
Wadi Al Qelt

Problems of the cultural and natural heritage



Legend

- Roads network
 - ▭ refugee camps
 - ▭ jericho city boundaries
- ### Cultural Heritage
- Unpreserved mud houses
 - ⊘ Illegal dumpsite within the archeological sites
 - ⚠ Illegal sewer discharge near the archeological sites
 - ▨ Unpreserved archeological sites
- ### Natural Heritage
- wadis
- ### physical segregation
- ▨ northern side
 - ▨ southern side



Social Sector Potentials And Opportunities

Legend

- Main Roads Nertwork
- ▭ refugee camps
- ▭ jericho city boundaries



Educational sector

-) primary school
-) secondary school
- ⊙ university
- ⊙ vocational center

Health sector

- ⊙ clinic
- K hospital

Religion

- ⊙ mosque
- ⊕ church

Cultural sector

- c library
- ◇ theater
- ⊙ community center

Governmental sector

- ⊙ governmental building

Sport field

- ▭ parks



Problems of the social sector



Legend

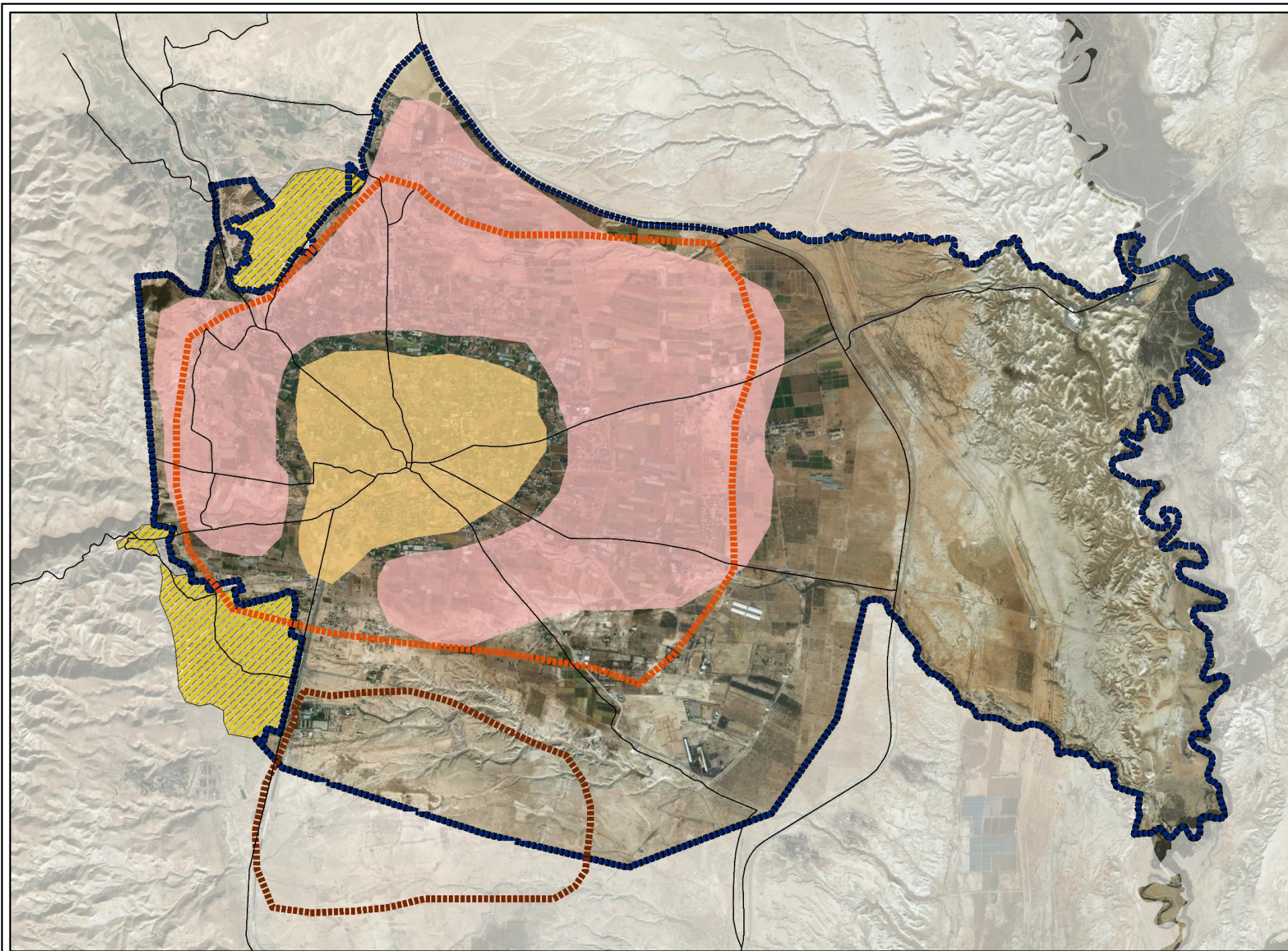
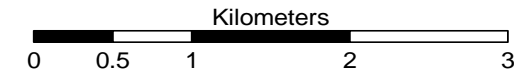
- Main Roads Network
- refugee camps
- ▭ jericho city boundaries

According to the distribution of the public facilities

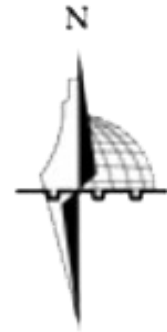
- area with concentration of public facilities
- lack of public facilities

According to the master plan social segregation

- ▭ northern part
- ▭ southern part

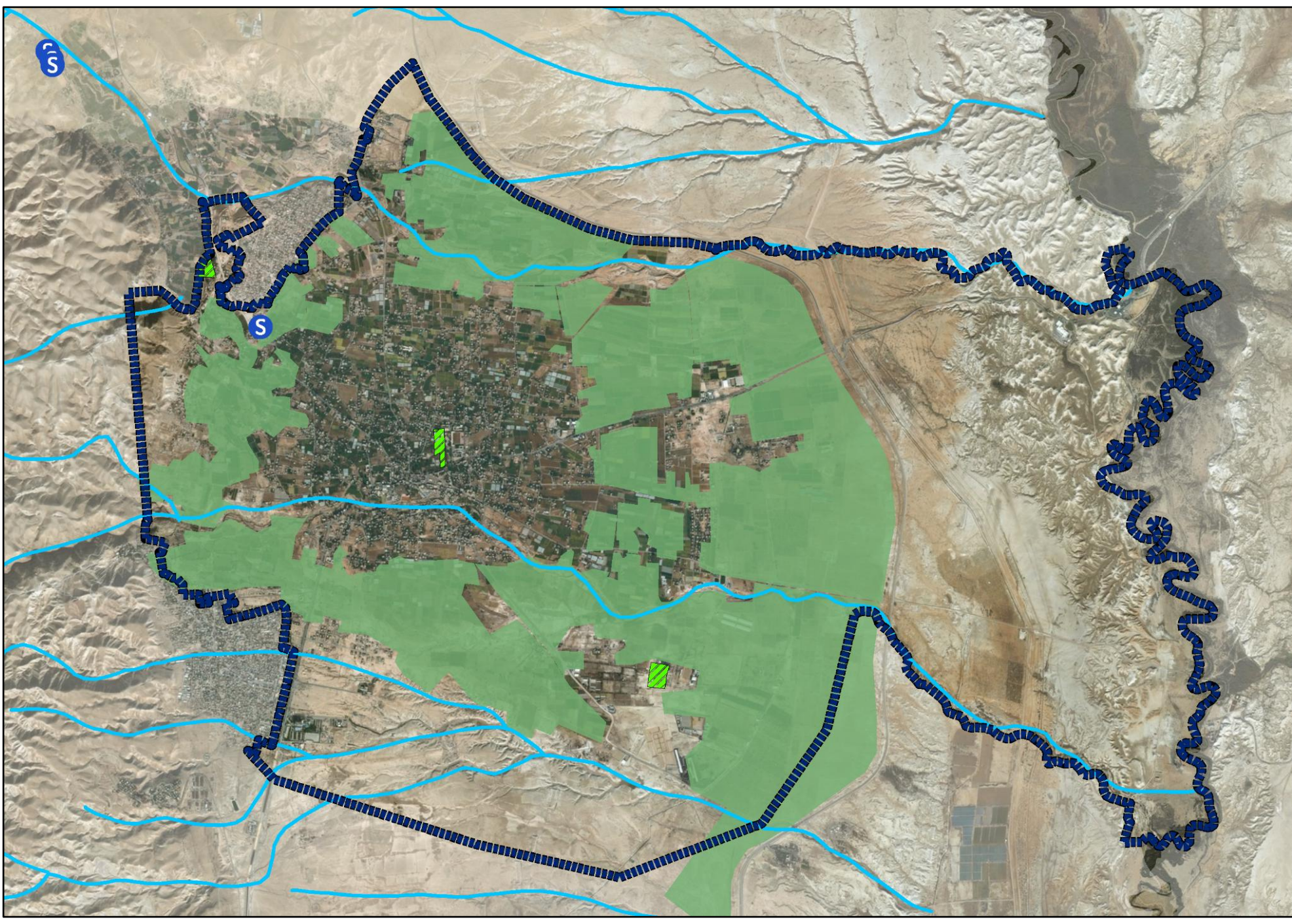
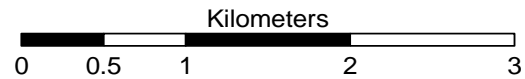


Clean and healthy environment (positive points)

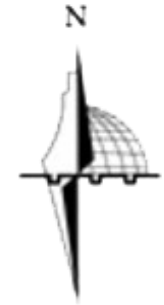


Legend














- springs
- wadis
- parks
- agricultural lands
- jericho city boundaries

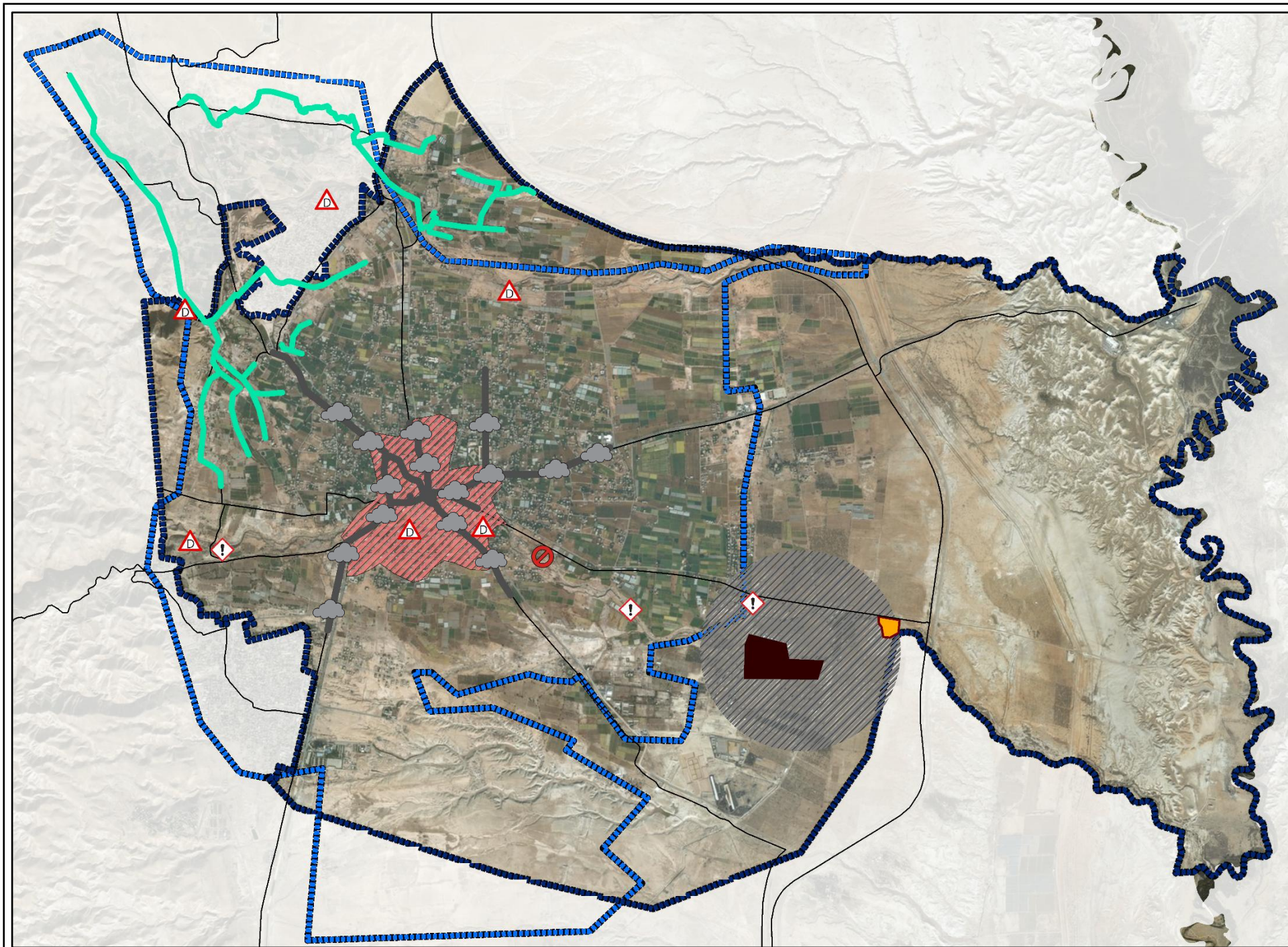


Clean and healthy environment (problems)



Legend

-  Air Pollution
-  Illegal Quarry
-  Illegal Dumpsite
-  Illegal Sewer Discharge
-  Open Water Canals Network
-  Dumpsite
-  Polluted Area
-  Air Pollution
-  Waste Water Treatment Plant
-  Area With Insufficient Waste Collection
-  Main Roads Network
-  Jericho city boundaries
-  current master plan boundaries



An aerial photograph of a desert town, likely in Saudi Arabia, showing a mix of modern buildings and traditional structures. The town is situated in a valley with sand dunes in the background. A dark horizontal band is overlaid across the center of the image, containing the text "Development concept" in white. The foreground shows a more developed area with palm trees and a road with a few cars.

Development concept

Target groups

- Good accessibility and mobility.
- Public services
- Commercial and industrial facilities.
- Market size.



- Good accessibility for hotels and restaurants.
- Availability of public parks and leisure facilities.
- Parking facilities.
- High quality of tourism facilities and areas.

- Job opportunities
- Sufficient and high quality of the educational and health care facilities.
- Leisure facilities.
- High quality of city culture.
- Safety, religion, arts.
- Healthy environment.
- High quality of the facilities and utilities.
- Social justice.

Criteria



**clean and
healthy environment.**



Strong economic base



**High quality
of Infrastructure.**



**Green and pleasant
areas in the city.**

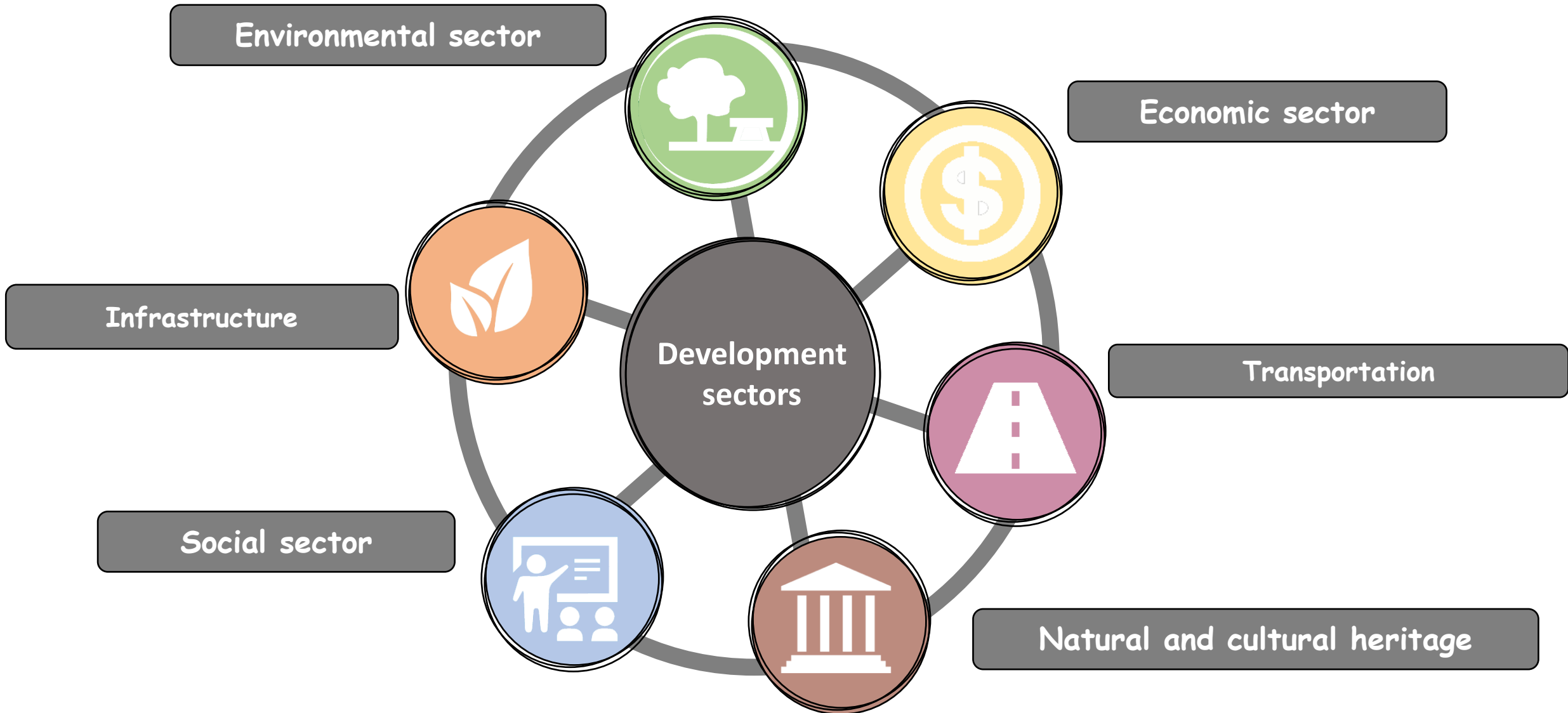


Equitable social baes



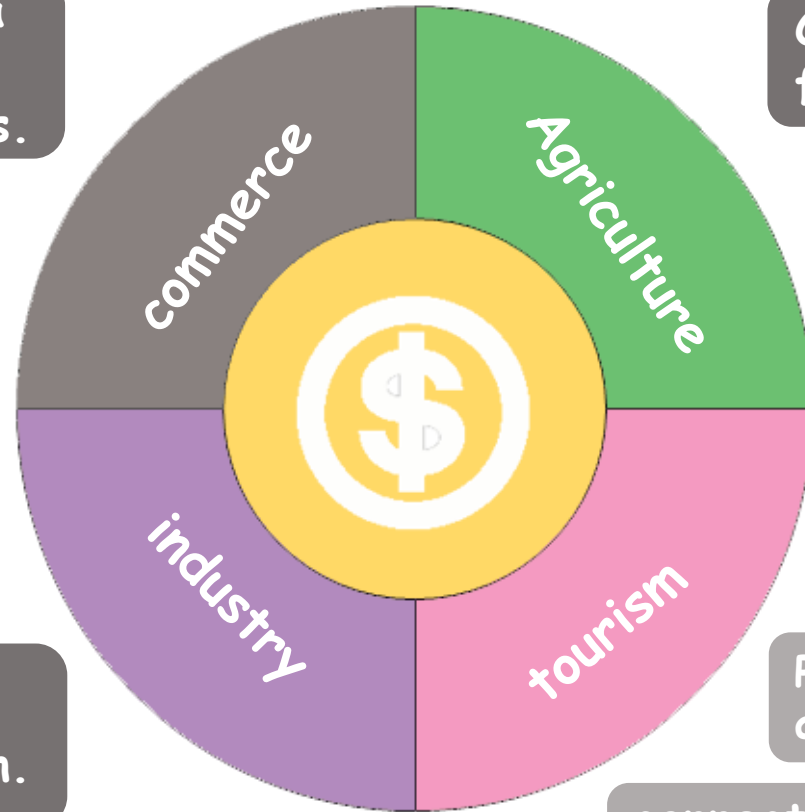
**Preserved
Cultural heritage.**

Development sectors



Economic base

Determining commercial area within the city center with longitudinal commercial roads.



Conservation of the agricultural lands from any development type.

Developing the tourism sector by:

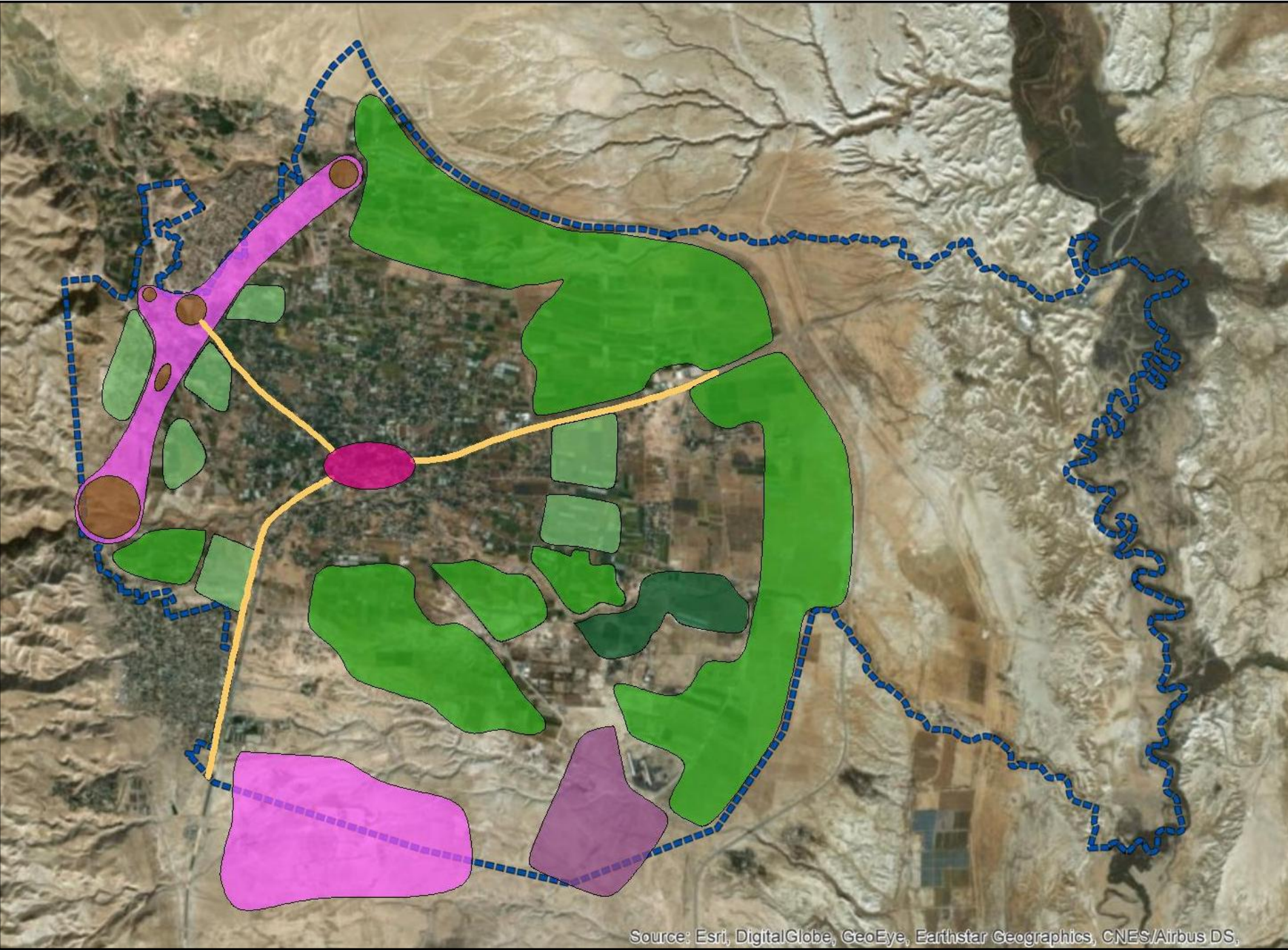
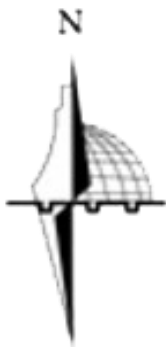
Protecting the culture and natural heritage areas from any development type.

connecting the tourism facilities within tourism zones.

Proposing new tour routes.

Including the industrial zone into the master plan.

Development of The Economic Base



- Conservation of the agricultural lands
- Proposed agricultural- residential area
- Proposed rural- residential area
- Proposed mixed land use area
- Preserved cultural heritage
- Proposed tourism area
- Industrial area
- Commercial development

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS,

Tourism sectors

1

Proposing a tourism zones that will connect the cultural heritage areas together.

4

Protecting the mud houses



2

Conservation of the natural heritage(wadis, springs, oasis system).

3

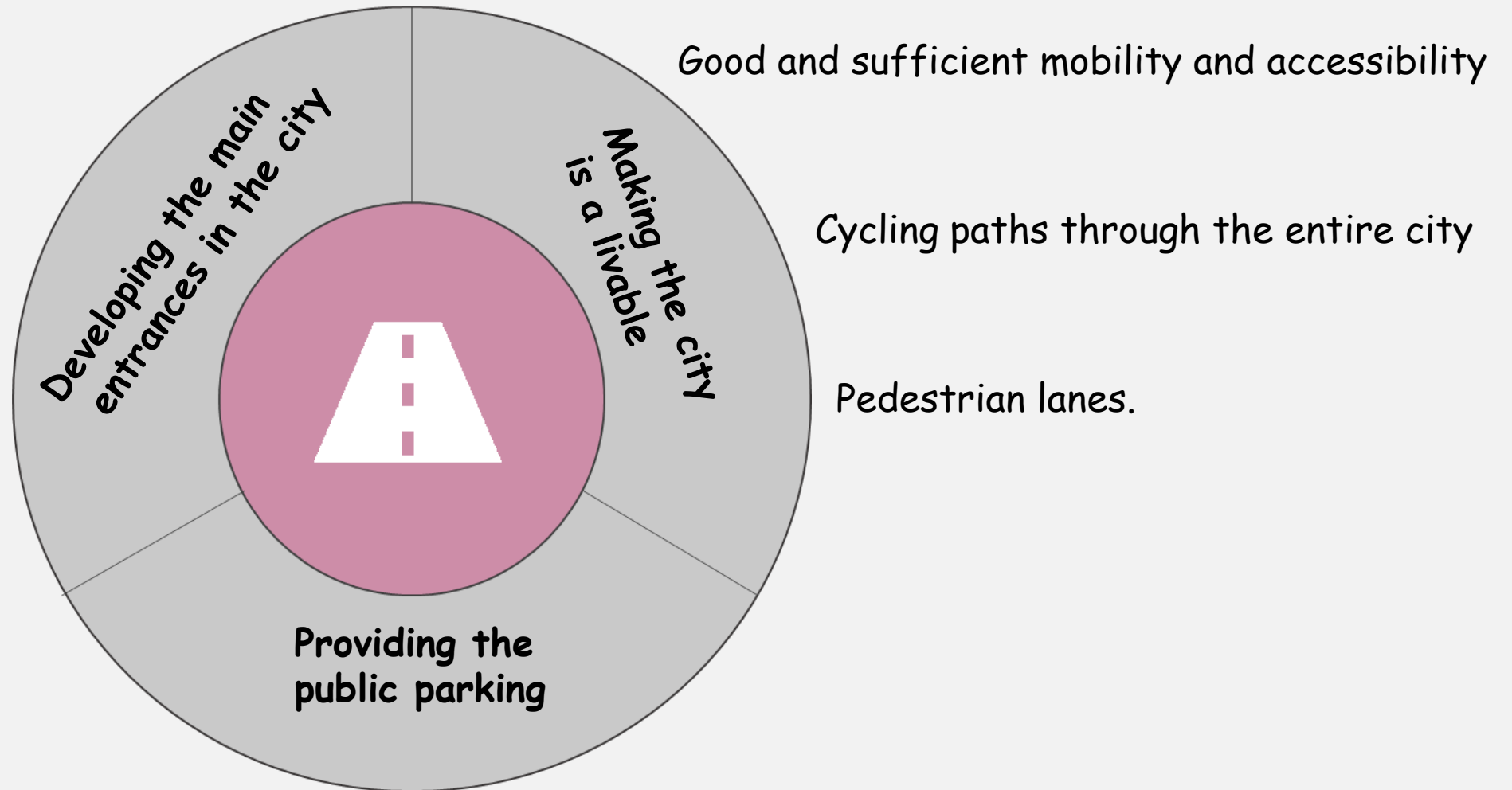
Proposing new tour routes.

Development of the cultural heritage

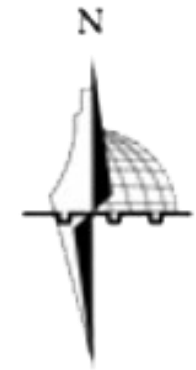





- preserved mud houses
- Preserved agricultural lands
- Proposed rural- residential area
- Proposed agricultural- residential area
- Proposed tourism zone
- Preserved cultural heritage
- wadis
- Proposed tour route
- Existing tour route

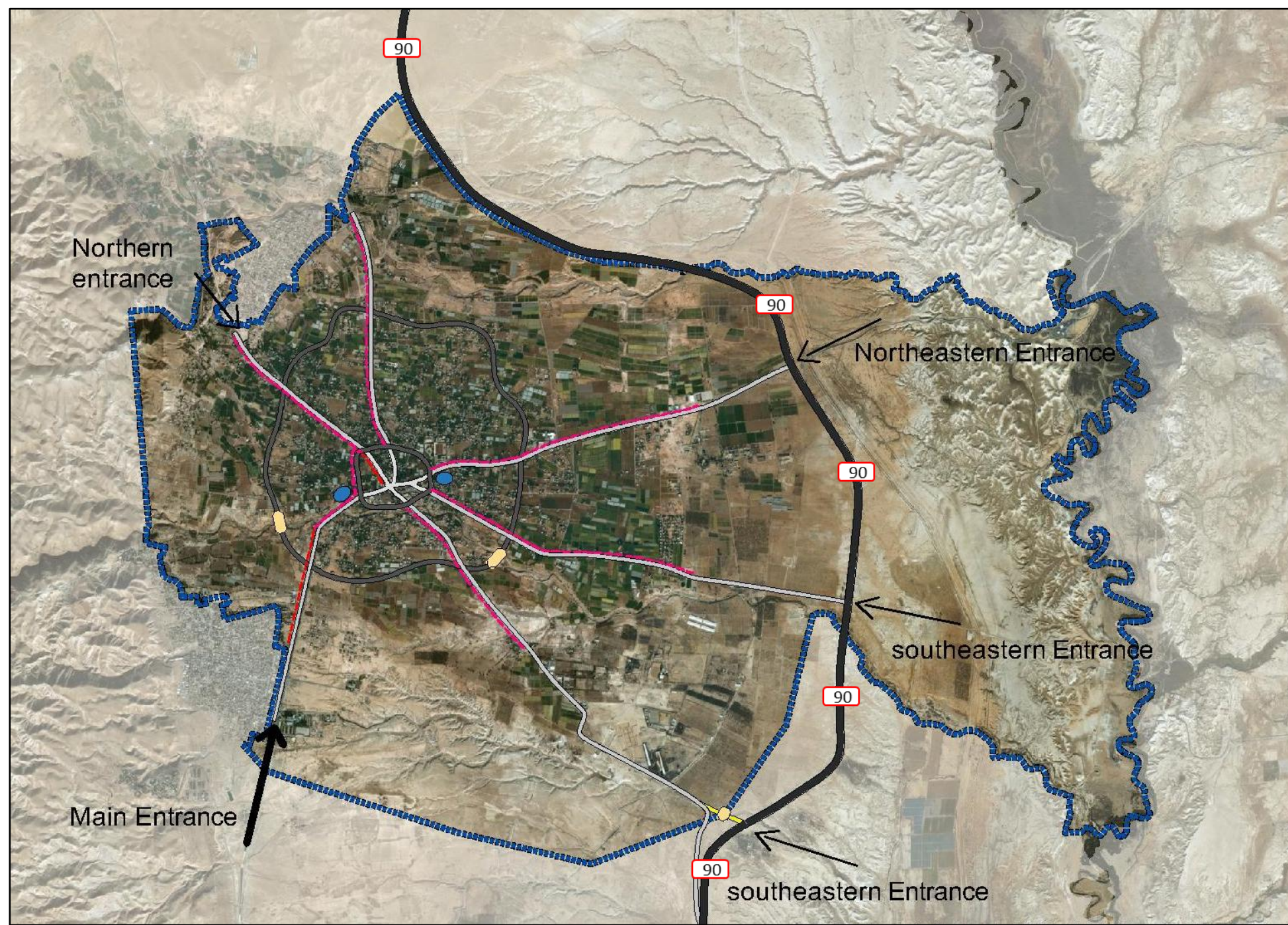
Transportation



Development of Transportation network



-  Proposed Public Parking
-  Proposed Bridge
-  Existing cycle path
-  Proposed cycle path
-  Pedestrian streets
-  Proposed Ring Road
-  Proposed Road
-  Existing Main Road
-  Regional Road



Northern entrance

Main Entrance

90

90

90

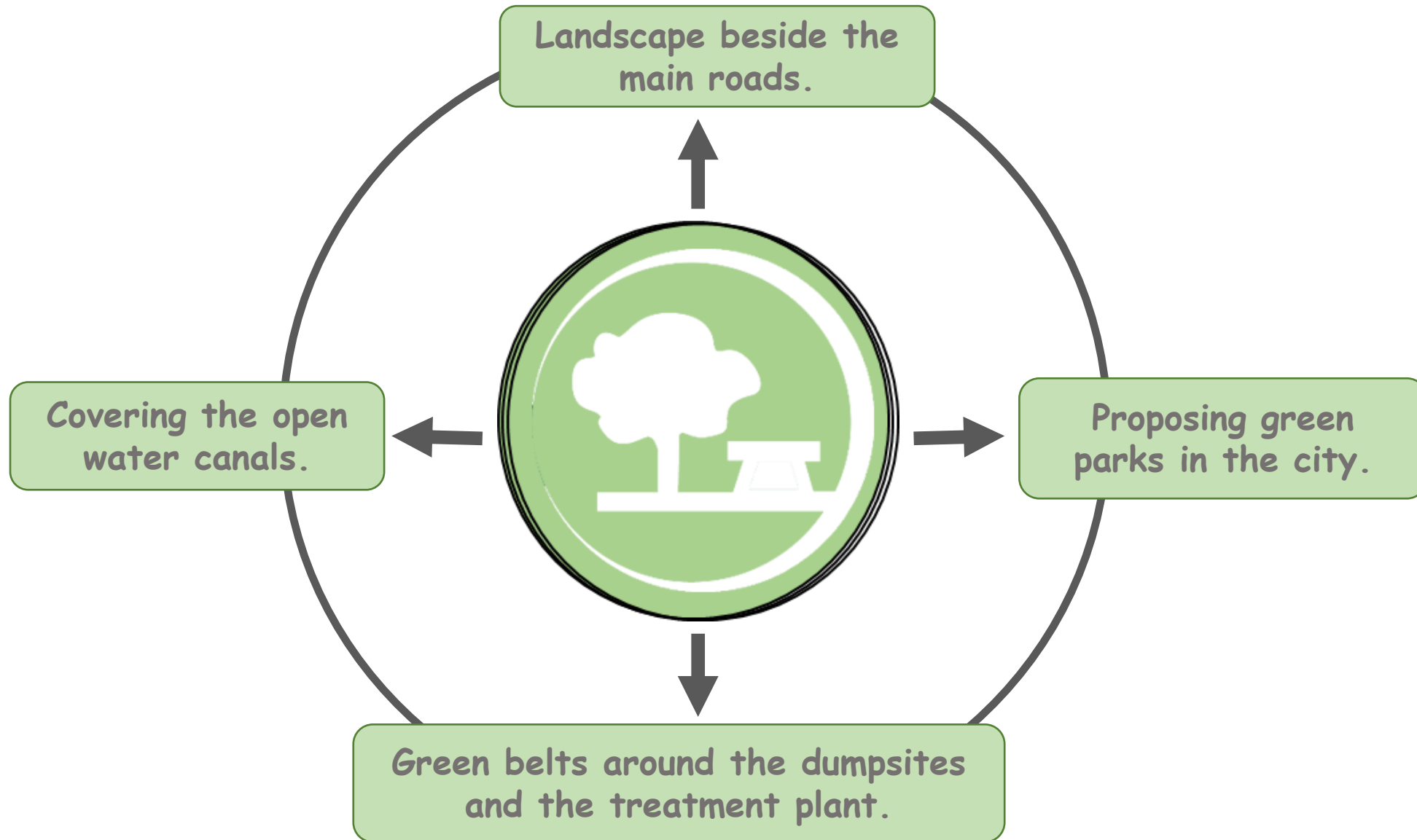
90

Northeastern Entrance

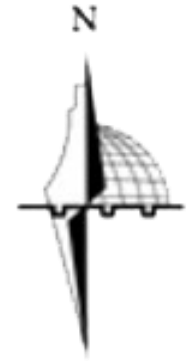
southeastern Entrance








southeastern Entrance

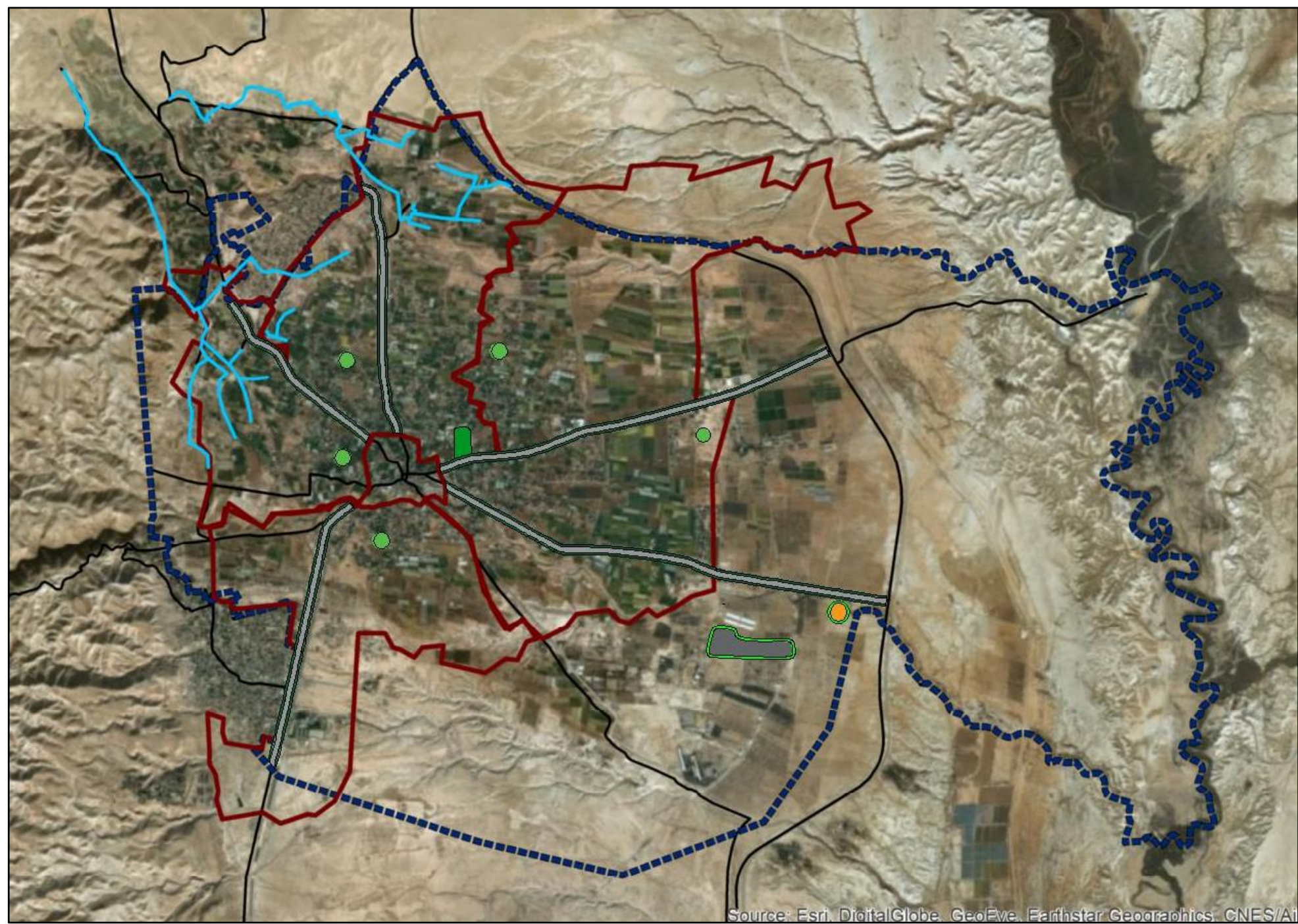
Environmental sector



Development of the environment

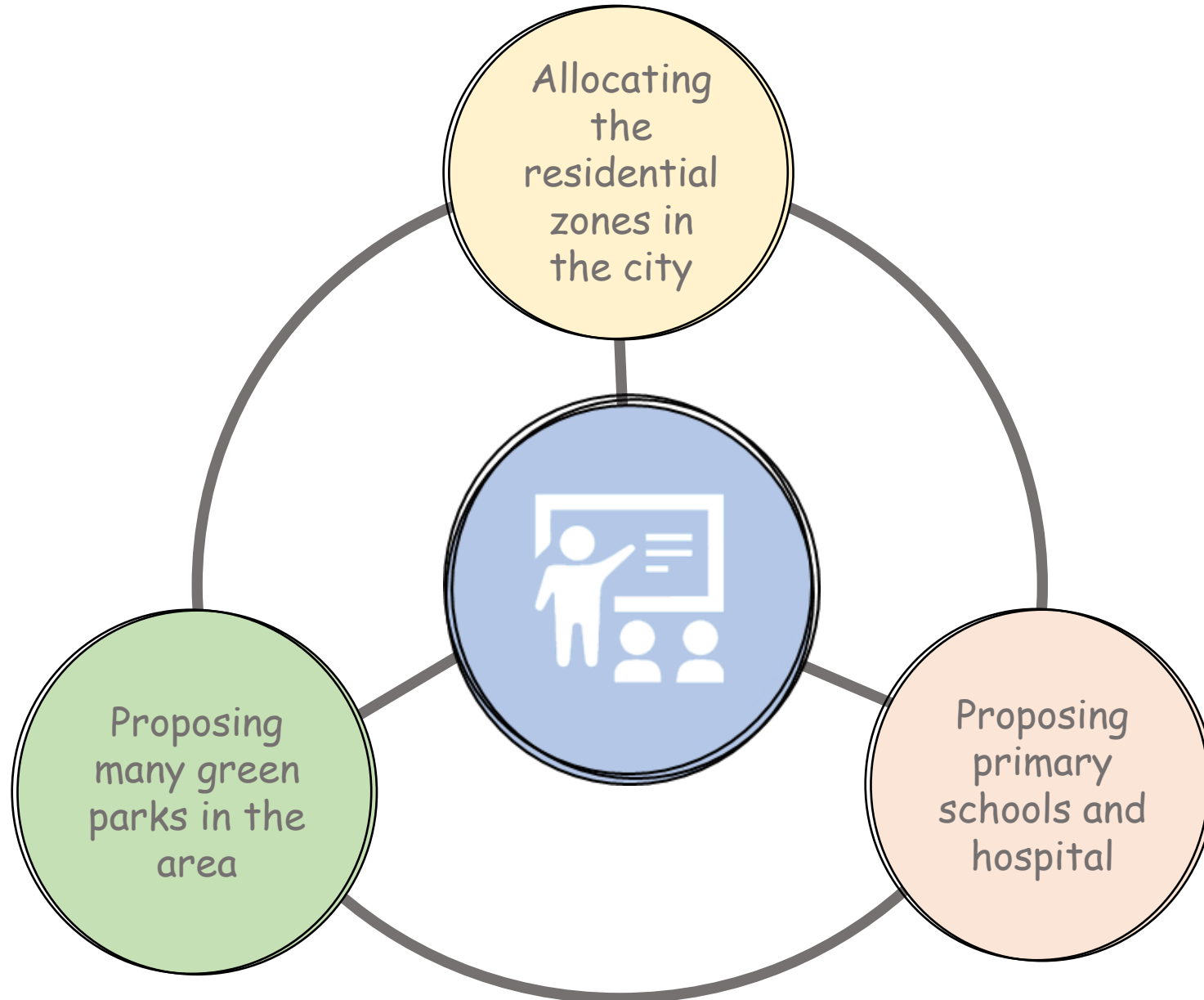


-  Existing park
-  Proposed park
-  Existing treatment plant
-  Existing sanitary dumpsite
-  Proposed green belt
-  covered water canal
-  areas

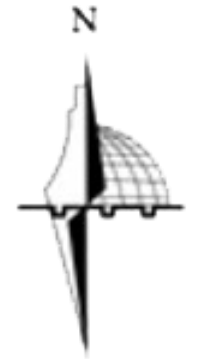










Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Air

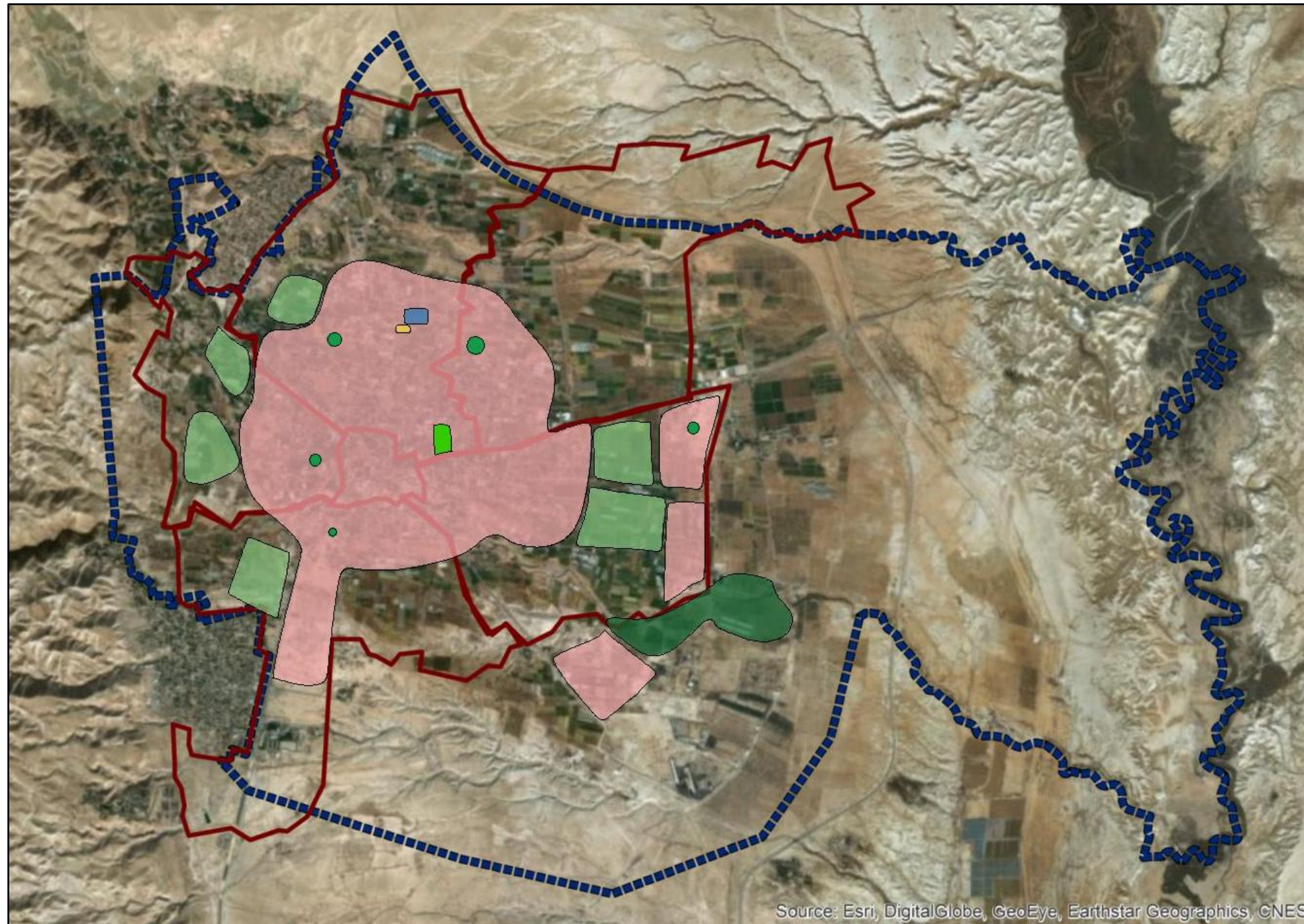
Social sector



Development of the social aspect



-  Residential area
-  Rural residential area
-  Agricultural residential area
-  Existing public park
-  Proposed park
-  Proposed school
-  Proposed hospital
-  City Areas boundaries



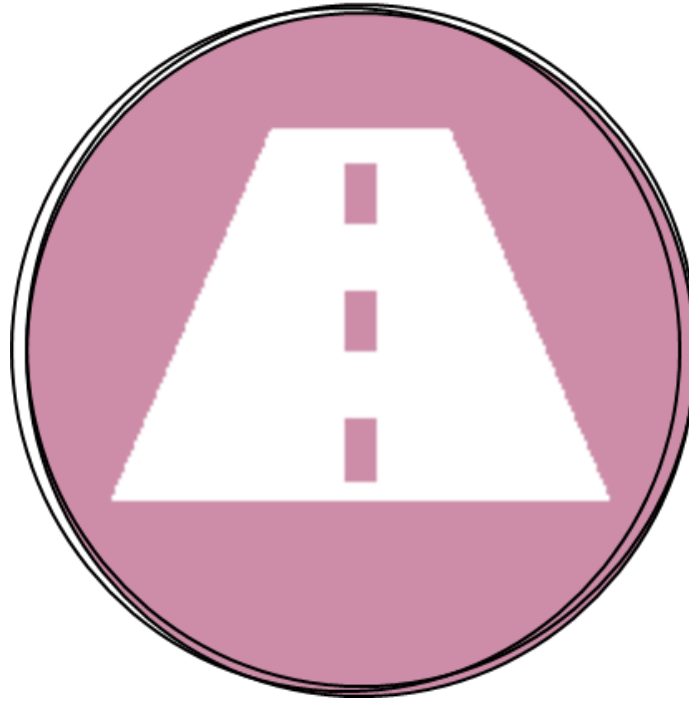
Infrastructure

1

Make the city is completely served by sewer system, clean water network, sufficient and regular solid waste collection.

4

Developing and cleaning the abandoned wells.



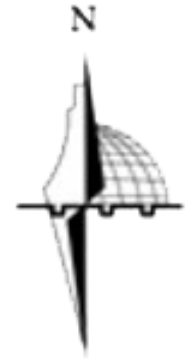
2





Covering the open water canals.

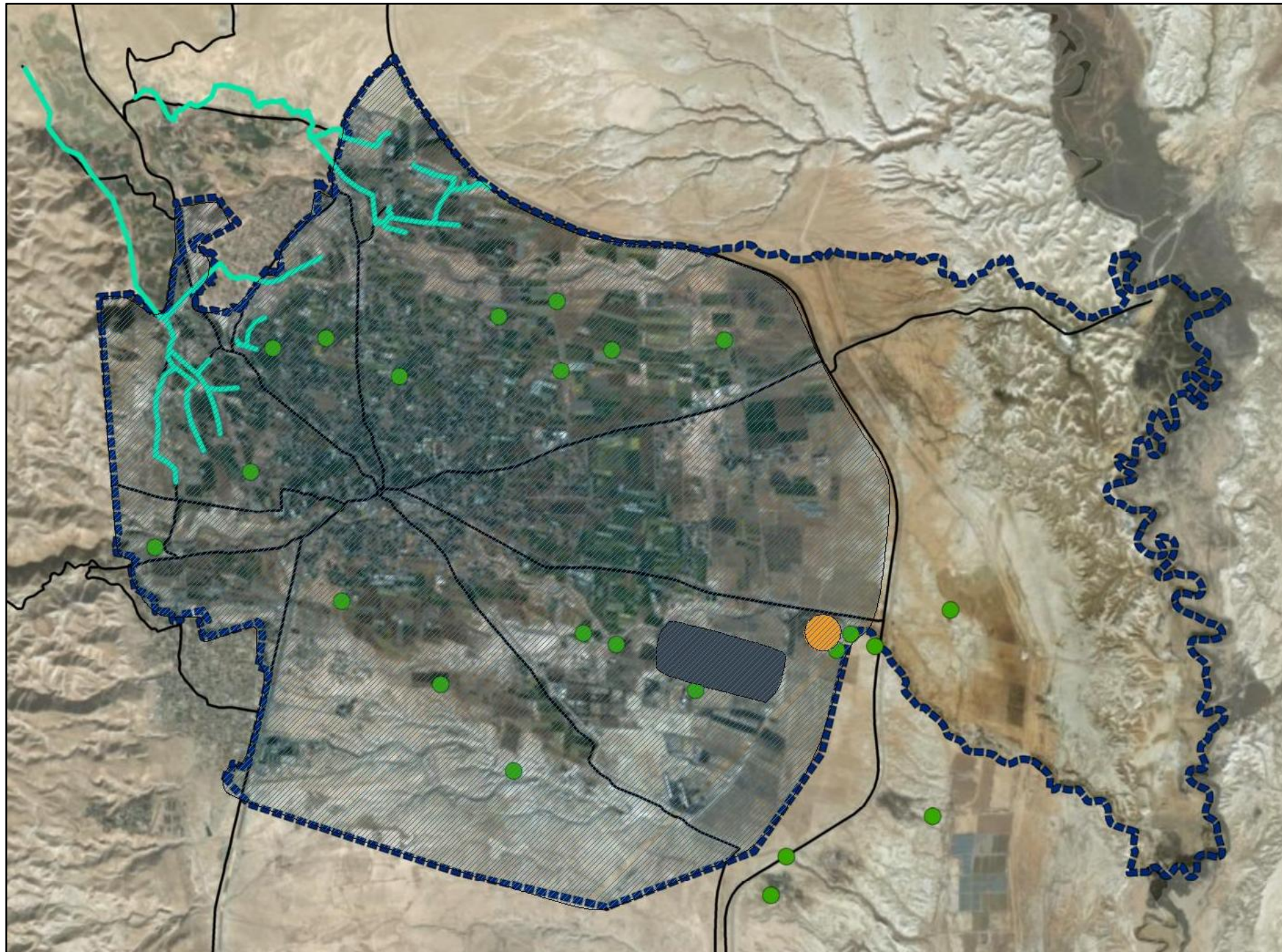
3

Using solar cells as and energy source and in roads lightening system.

Development concept of the infrastructure



-  Developed Agricultural Well
-  area served completely by infrastructure (water supply, solid waste management, waste water management)
-  Treatment Plant
-  Sanitary Dumpsite
-  Covered Water Channel



An aerial photograph of a desert town, likely in the Middle East, showing a mix of modern buildings and traditional structures. The town is situated in a valley with sand dunes in the background. A dark horizontal band is overlaid across the center of the image, containing the text 'Evaluation of the current master plan' in white. The foreground shows a more developed area with palm trees and a road with a few cars.

Evaluation of the current master plan

Evaluation of the current master plan

An aerial photograph of a city, likely in a semi-arid region, showing a mix of urban buildings, roads, and green spaces. In the foreground, a large, rectangular solar farm is visible, consisting of many rows of solar panels. The city extends into the distance, with a clear horizon line.

No. of population (2019)= 21,496.

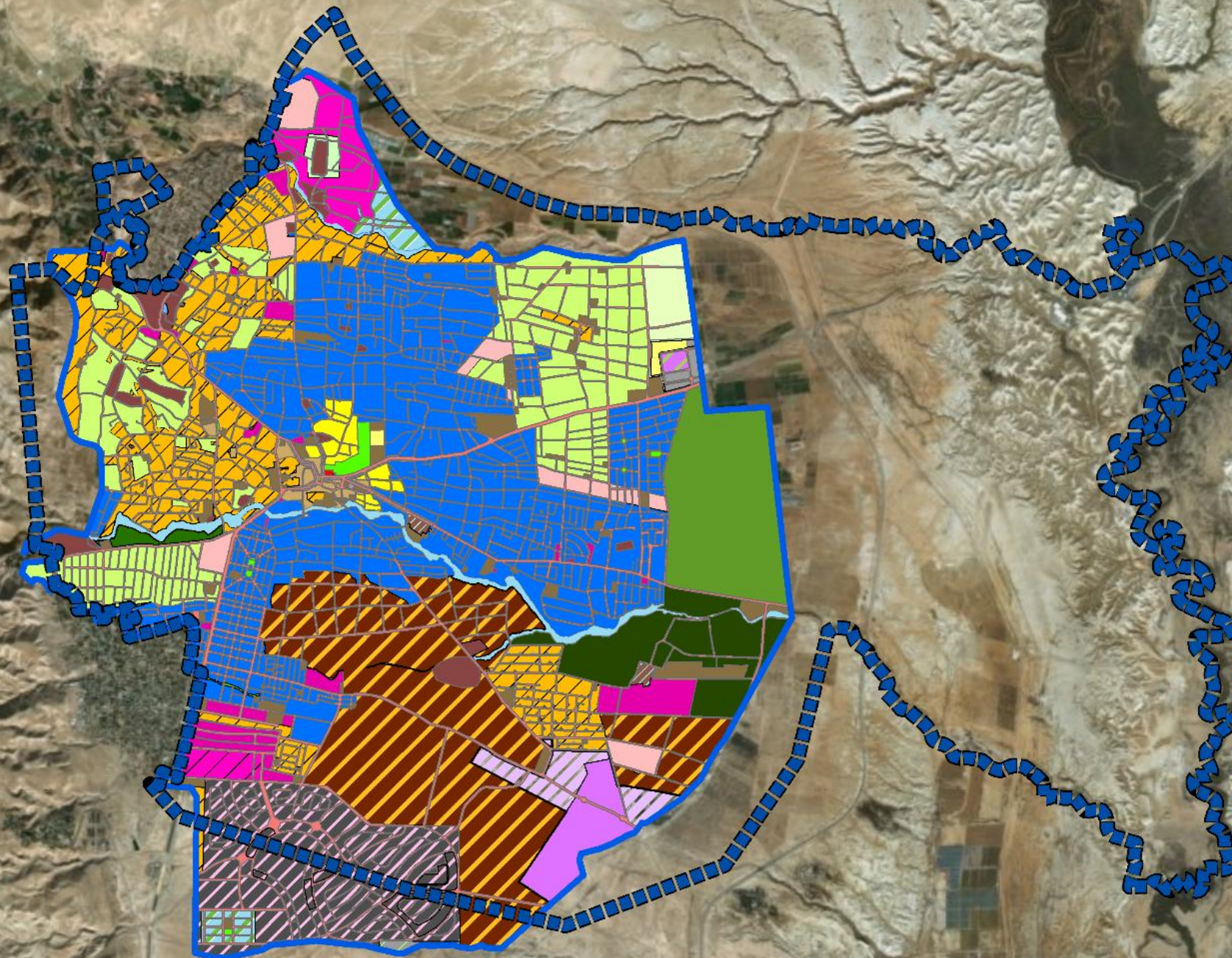
Built up area= 12 km².

Expected population in 2035= 25004.

Population density= 1318.

Needed residential expansion area= 3km.

Master plan





















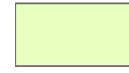








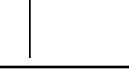


- Agricultural Constructions
- Agricultural Land
- Antiquities Zone
- Approved Road
- Cemetery
- commercial(longitudinal) with special regulations
- Future Expansion Area
- Green Belt
- Industrial Zone with special regulations
- Industrial Zone with special regulations 2
- Light Industries and Crafts Area with Special Regulations
- Multi-Use with Special Regulations
- Public Buildings with special regulations
- Public Garden
- Residence "A" with special regulations
- Residence "Agriculture"
- Residence "B" with special regulations
- Residence "C" with special regulations
- Residence "Down Town"
- Residence "Rural"
- Residence "Rural" with special regulations
- Residence "Villas"
- Roads Pedestrians
- Solar Panels
- Stadium
- State Lands
- Tourism Zone
- Tourism Zone with special regulations
- Tourism Zone with special regulations 2
- Transportation Hub
- Unspecified Organization Area
- Urban and Archaeological Development Area
- Valley Buffer
- Wadi
- Water Spring

An aerial photograph of a desert town, likely in the Middle East, showing a mix of traditional and modern buildings. The town is situated in a valley with sandy hills in the background. A dark, semi-transparent horizontal band is overlaid across the middle of the image, containing white text. The foreground shows a more developed area with palm trees and a paved road with a few cars.

Land uses areas

Current master plan

Symbol	Classification	area	Per.
	Agricultural construction	1.8	5%
	Agricultural lands	.12	.3%
	Antiquities	.6	1.6%
	Cemetery	.05	.13%
	Commercial longitudinal	.13	.36%
	Future expansion	5.1	13.1%
	Green belt	.1	.27%
	Industrial zone with special regulations	.55	1.8%
	Industrial zone with special regulations 2	.04	.1%
	Light industries	.4	1.1%
	Multi use	2.5	6%
	Public buildings	.9	2.5%
	Public gardens	.1	.27%
	Residential A	3.7	10.2%
	Residential- agricultural lands	1.2	3.3%

Symbol	Classification	area	Per.
	Residential B	7.3	20.2%
	Residential c	2.4	6.6%
	Down town	.14	.38%
	Rural residential	.34	1.1%
	Rural residential 2	3.4	9.4%
	Villas	.28	.7%
	Solar panel	.04	.38%
	Stadium	.018	.05%
	State lands	.64	1.7%
	Tourism zone	1.3	3.6%
	Transportation hub	.004	.01%
	wadi	.46	1.2%
	spring	.004	.01%
	Pedestrian roads	.058	.13%
	roads		10.38%

Current master plan evaluation

criteria	Strong economic base					Equitable social base			Clean and healthy environment				
strategy	Existence of industrial areas	Commercial area	Conservation of the agricultural lands	Preservation of the cultural heritage	Existence of crafts area	Social equity	Facilities distribution	Facilities quality	Safe water to drink	Clean air to breathe	Collection and disposal of solid waste	Energy sufficiency	Public Green areas
Score (5)	5	2	2	3	5	1	2	4	4	3	3	3	2
Total	17/25					7/15			15\25				

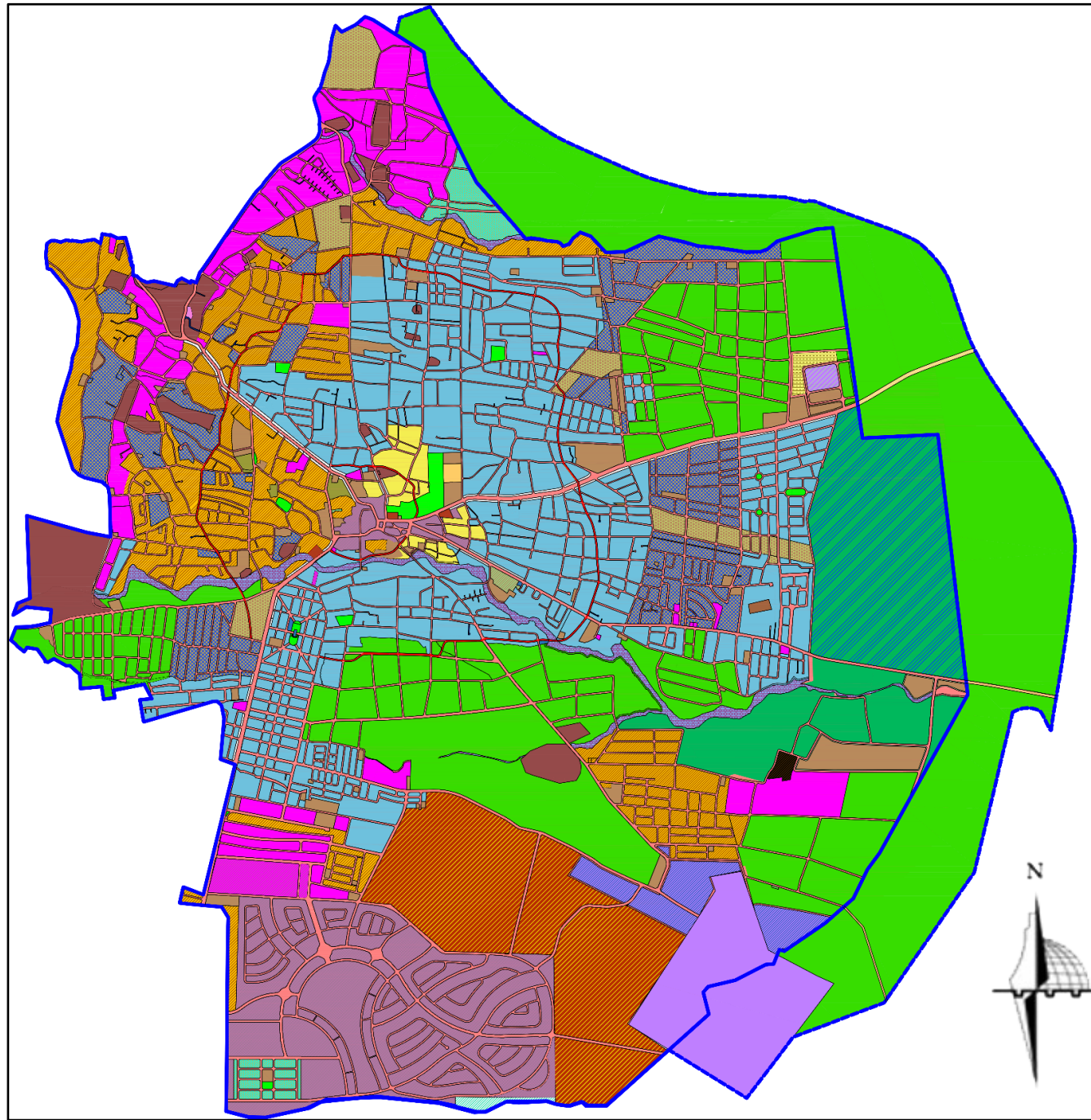
criteria	Good transportation			Good infrastructure			Preserved cultural heritage		
strategy	Good mobility	Existence of cycle path	Existence of sidewalk	Availability of water resources	good sewer system management	efficient solid waste management system	Preservation of archeological sites	Existence of tour routes	Existence of tourism zones
Score (5)	3	2	2	4	4	3	4	3	3
total	7\15			11/15			11/15		



Proposed master plan



Proposed master plan



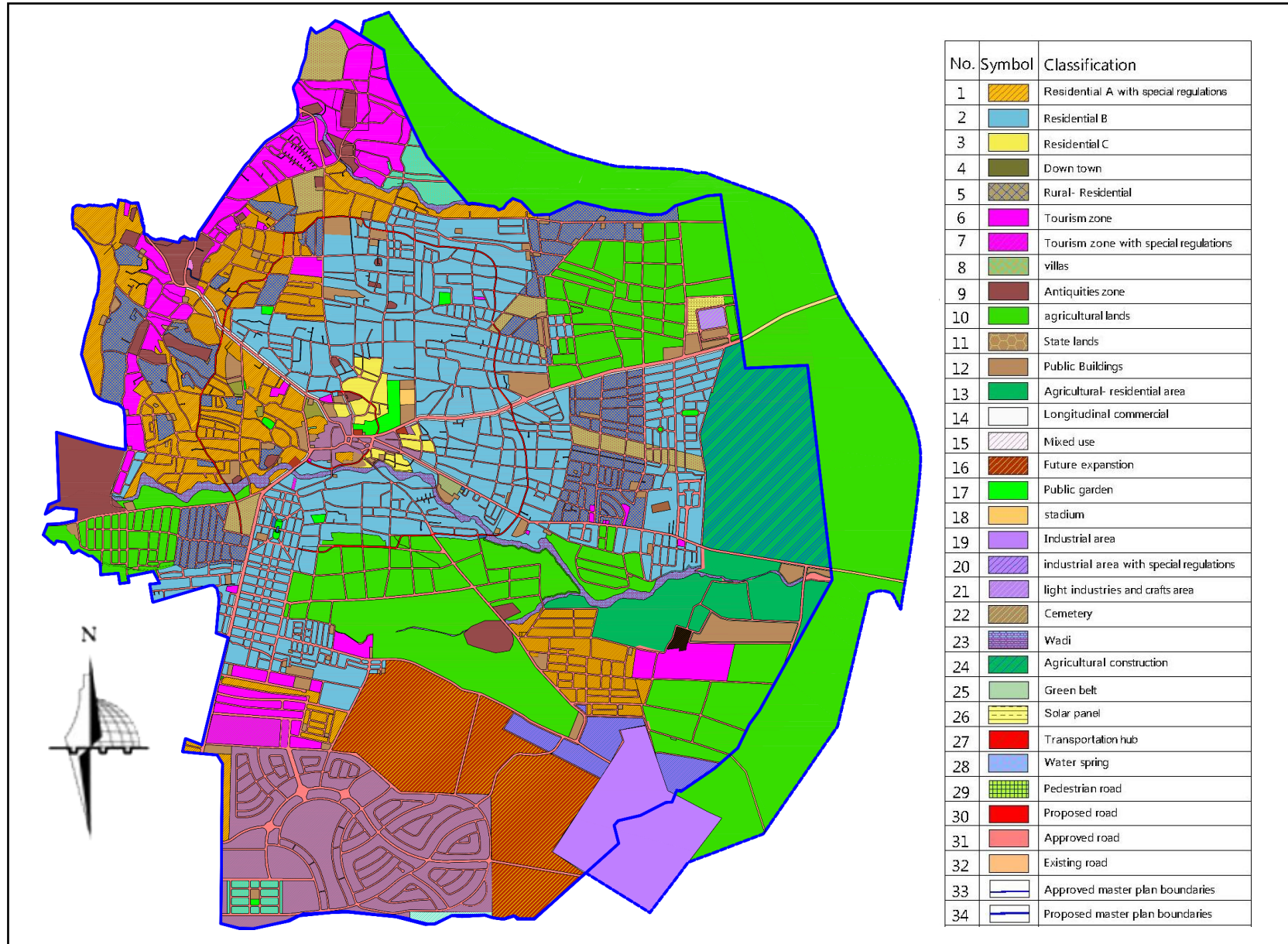
No.	Symbol	Classification
1		Residential A with special regulations
2		Residential B
3		Residential C
4		Down town
5		Rural- Residential
6		Tourism zone
7		Tourism zone with special regulations
8		villas
9		Antiquities zone
10		agricultural lands
11		State lands
12		Public Buildings
13		Agricultural- residential area
14		Longitudinal commercial
15		Mixed use
16		Future expansion
17		Public garden
18		stadium
19		Industrial area
20		industrial area with special regulations
21		light industries and crafts area
22		Cemetery
23		Wadi
24		Agricultural construction
25		Green belt
26		Solar panel
27		Transportation hub
28		Water spring
29		Pedestrian road
30		Proposed road
31		Approved road
32		Existing road
33		Approved master plan boundaries
34		Proposed master plan boundaries

The image is a composite of two aerial photographs. The top half shows a vast, flat, arid desert landscape with sparse, low-lying vegetation and a few small, isolated structures. The bottom half shows a more developed area, featuring a dense grove of palm trees, a paved road, and several vehicles, including a white SUV and a dark car. The text "Changed land use" is centered over the boundary between the two images.

Changed land use

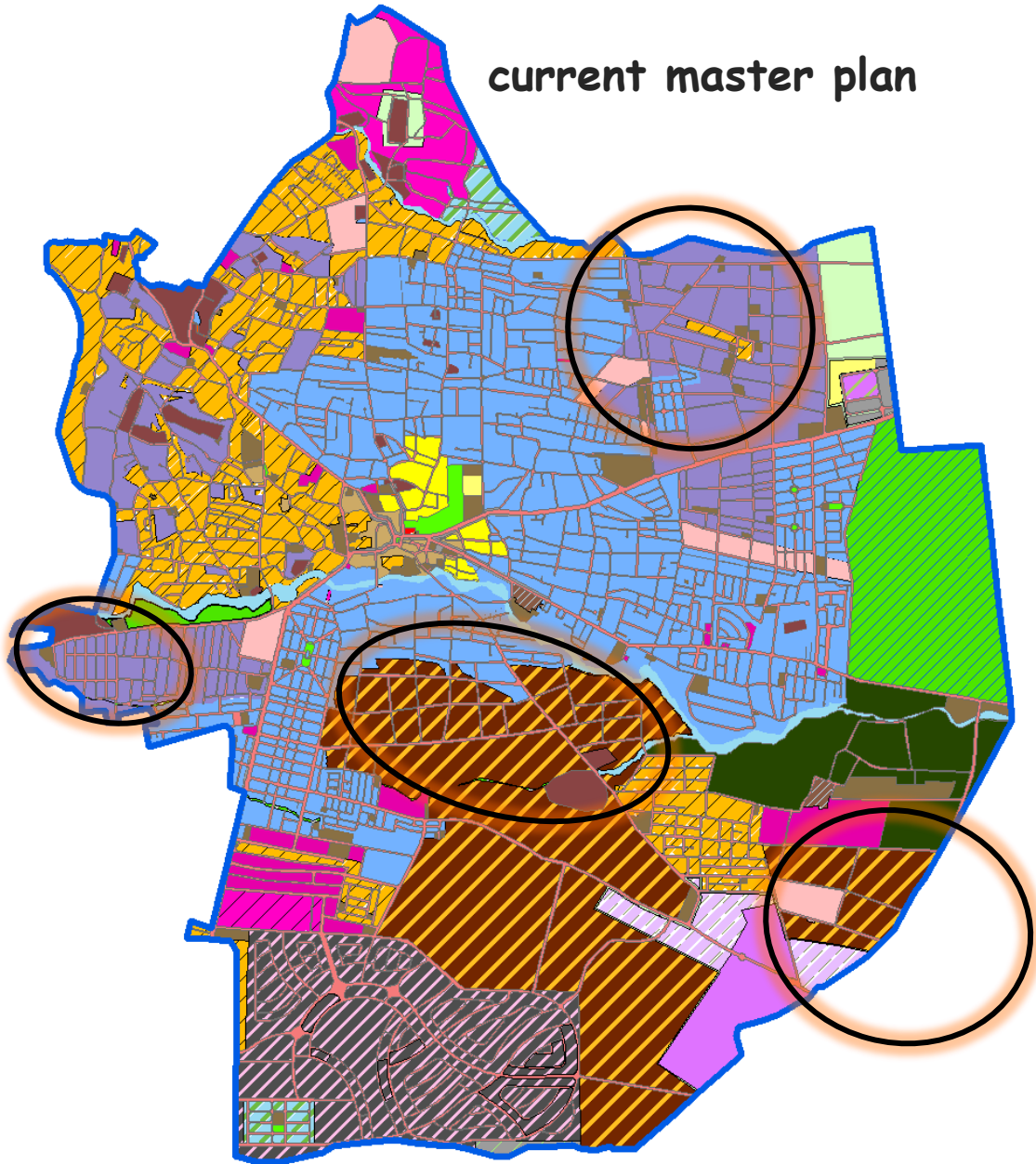
Changed land uses

- 1 Agricultural lands
- 2 City center
- 3 Tourism zone
- 4 Ring roads
- 5 Rural residential areas
- 6 Public parking
- 7 Public buildings
- 8 Public gardens

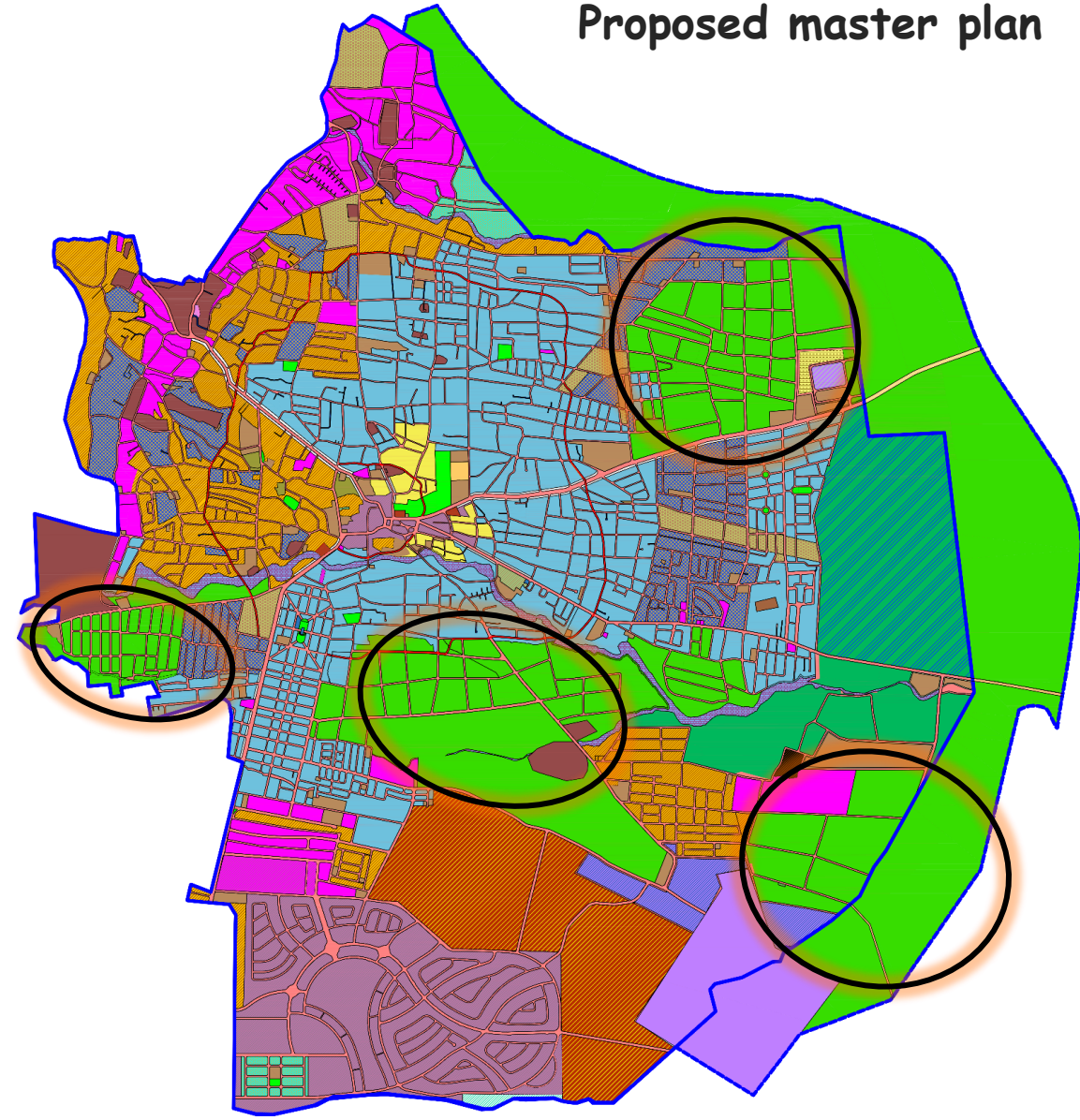


Change of agricultural lands

current master plan

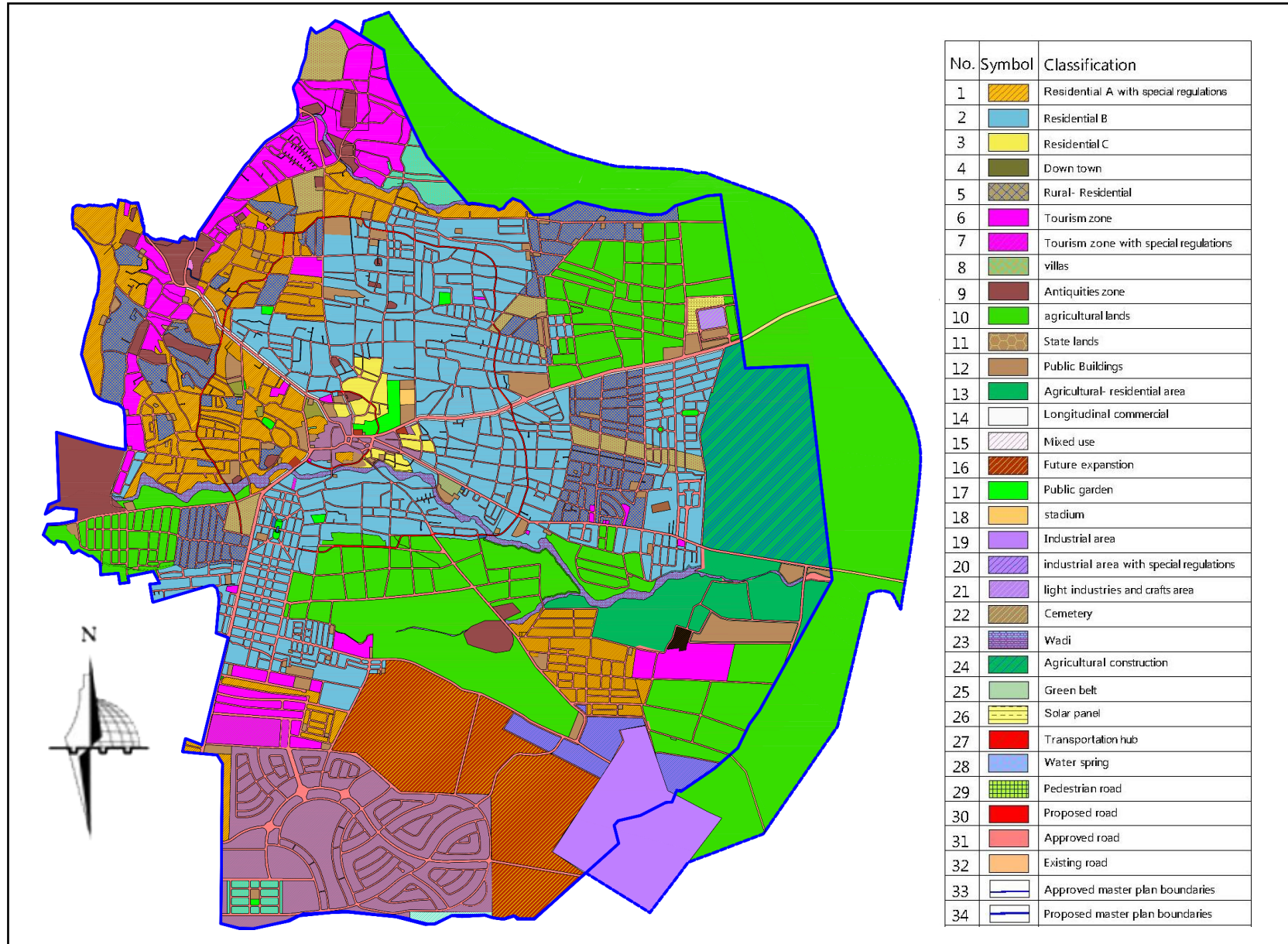


Proposed master plan



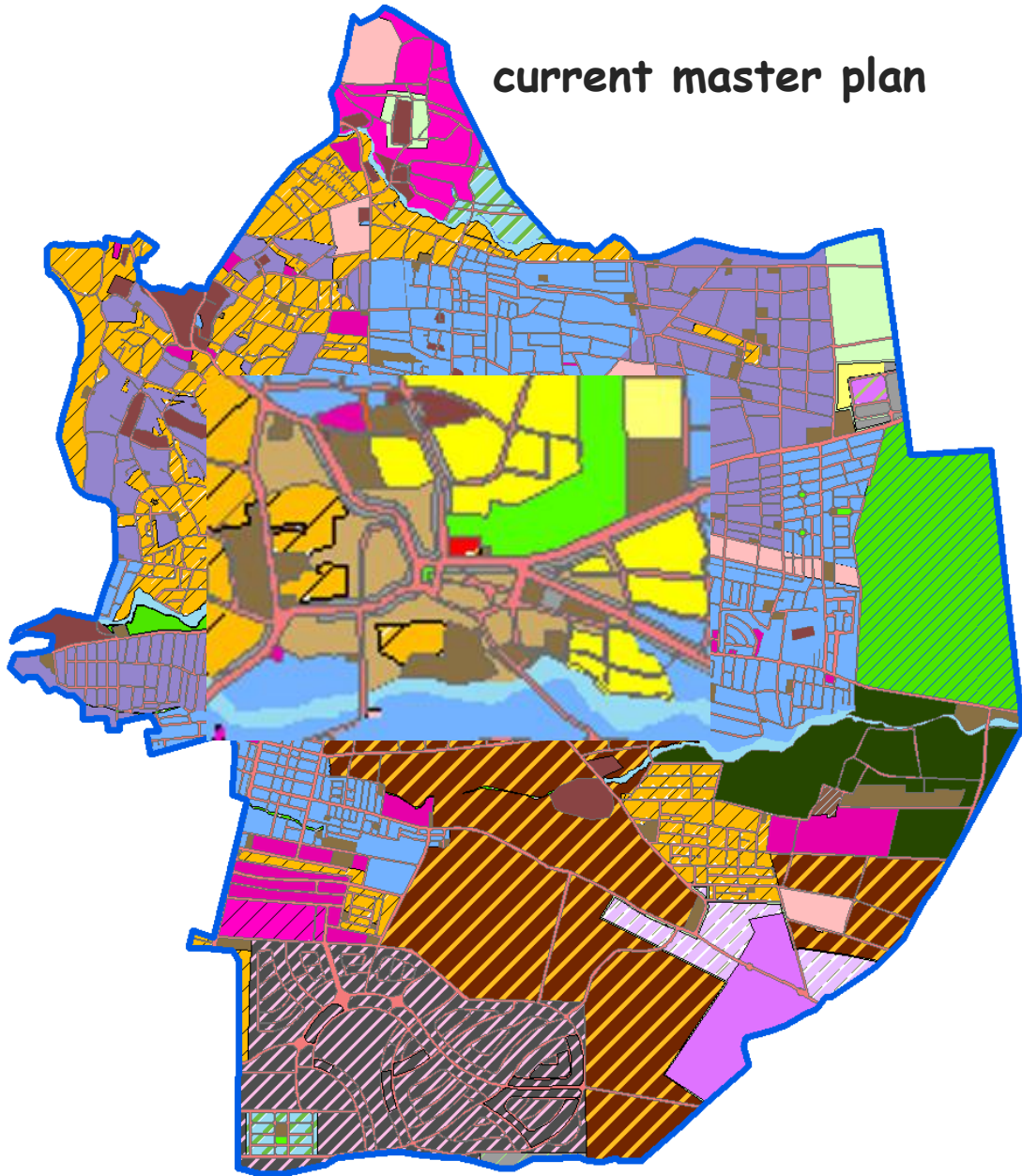
Changed land uses

- 1 Agricultural lands
- 2 City center
- 3 Tourism zone
- 4 Rural residential areas
- 5 Ring roads
- 6 Public parking
- 7 Public buildings
- 8 Public gardens

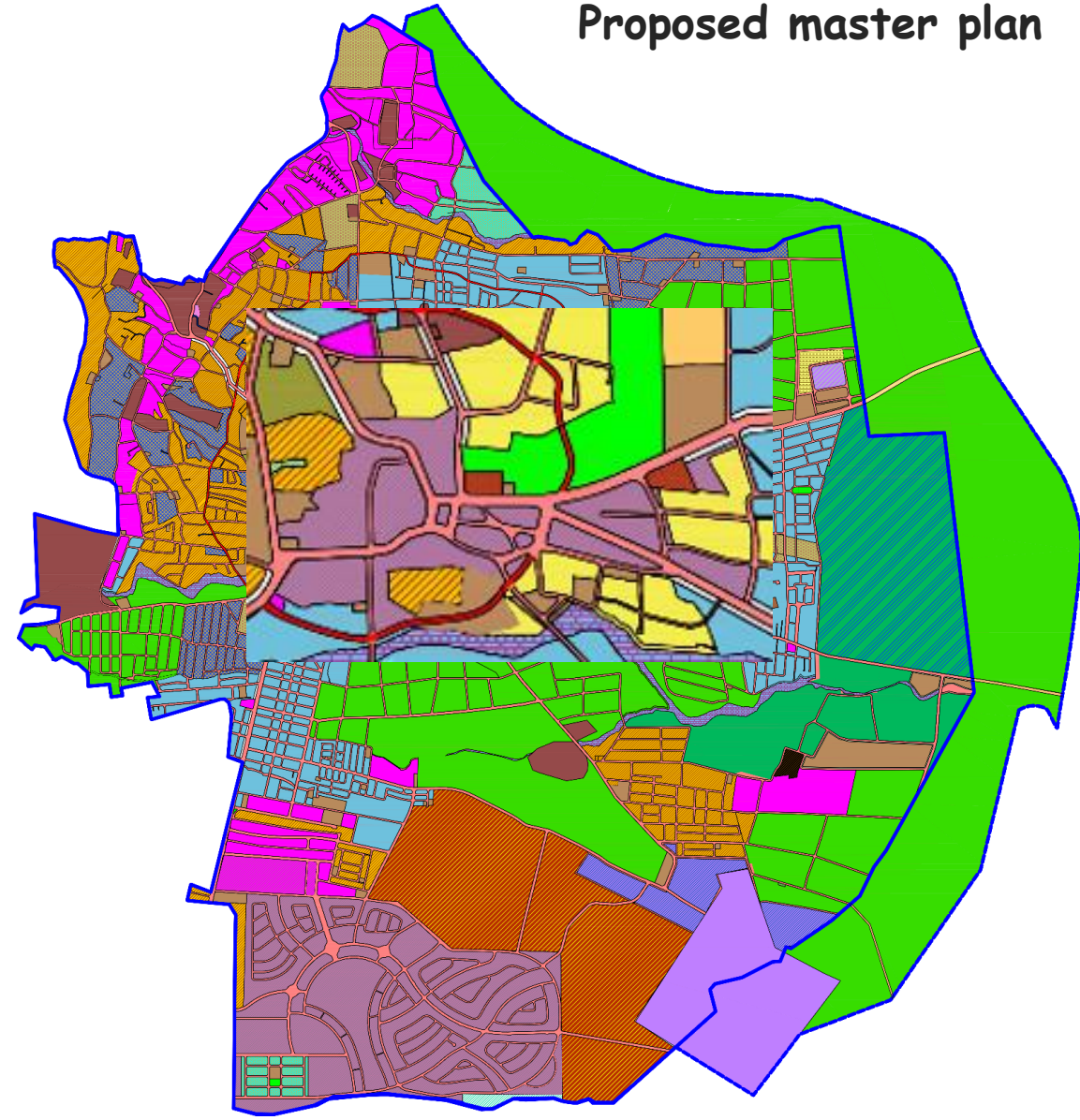


Change of the city center

current master plan

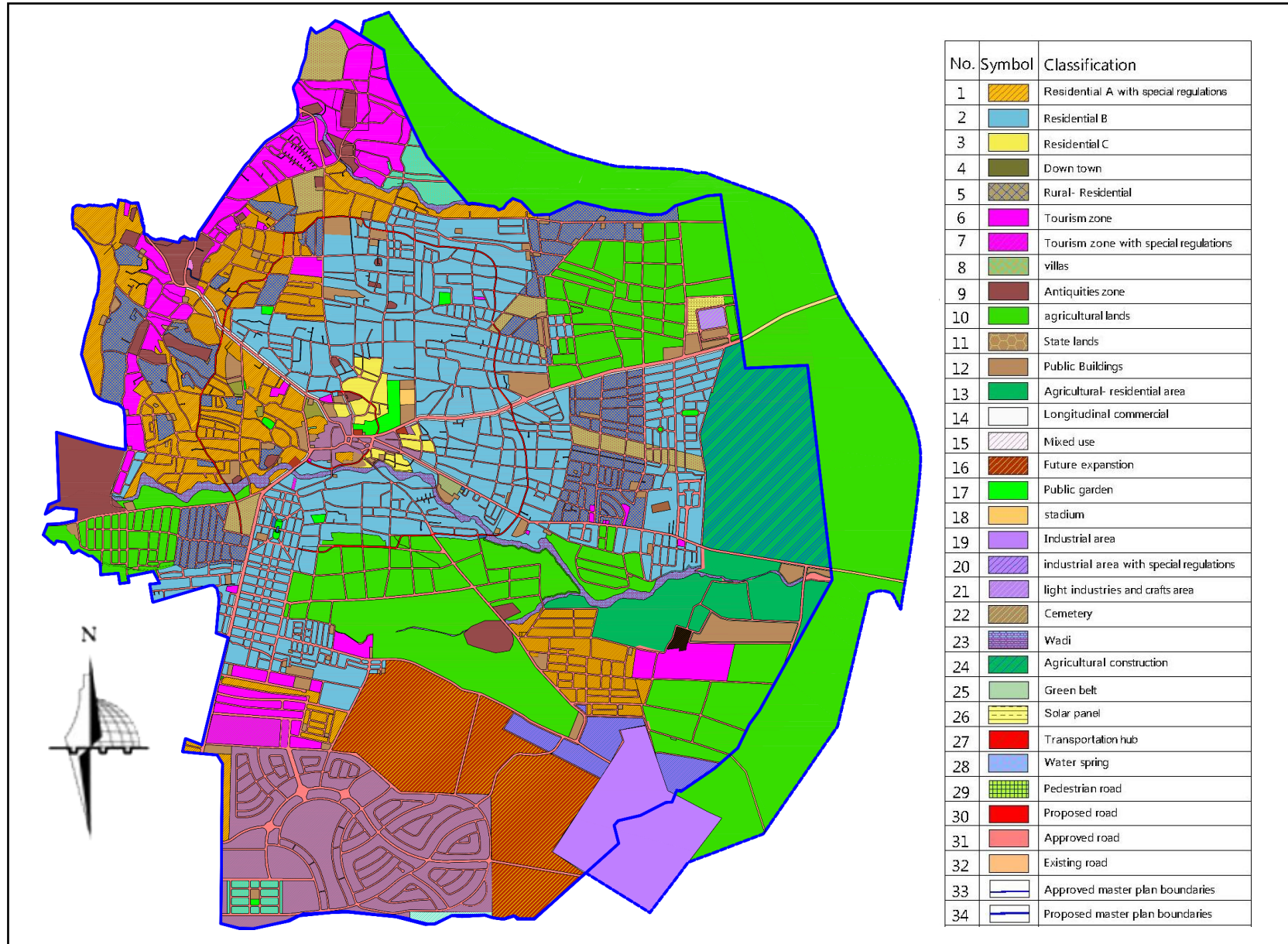


Proposed master plan



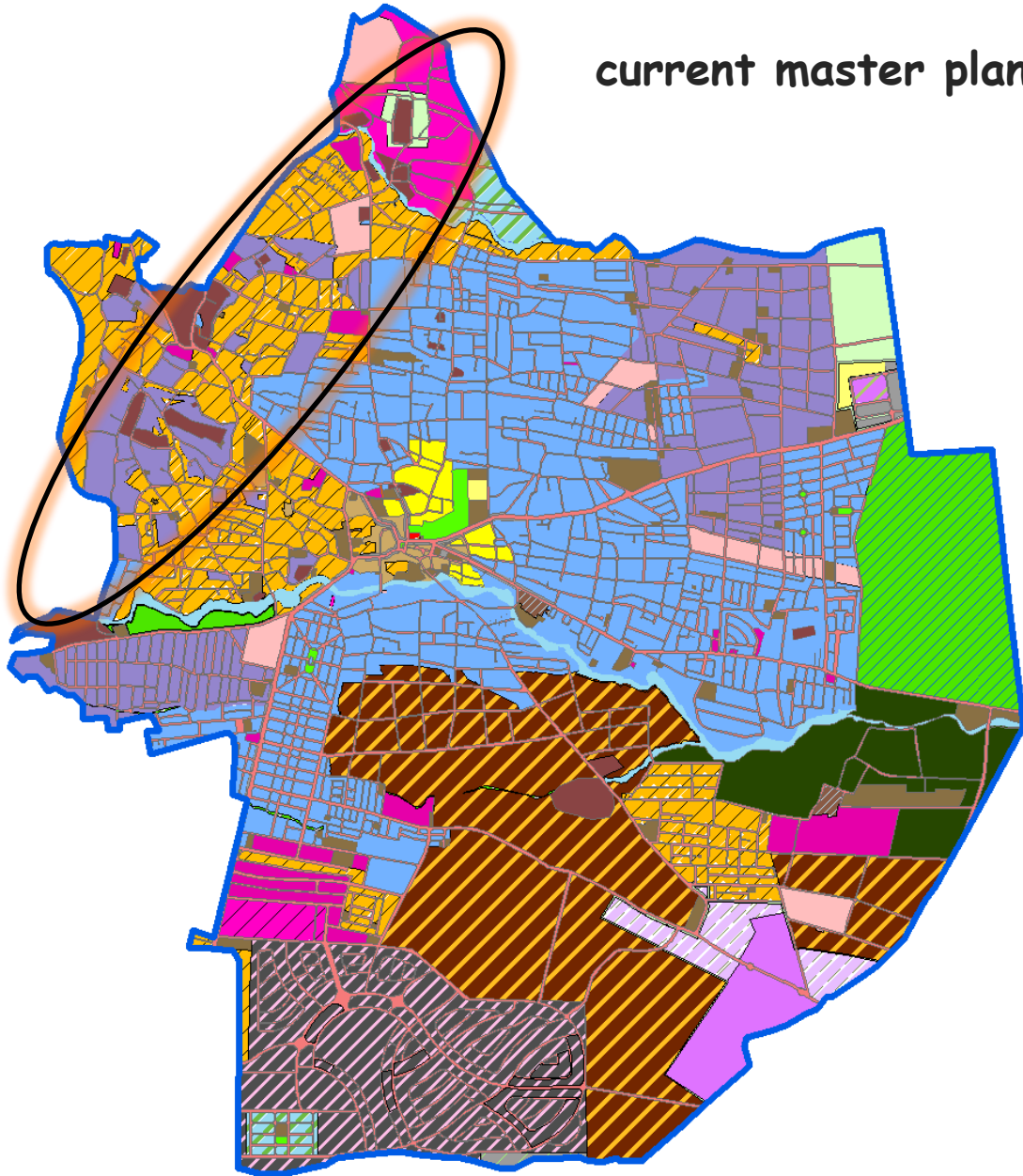
Changed land uses

- 1 Agricultural lands
- 2 City center
- 3 Tourism zone
- 4 Rural residential areas
- 5 Ring roads
- 6 Public parking
- 7 Public buildings
- 8 Public gardens

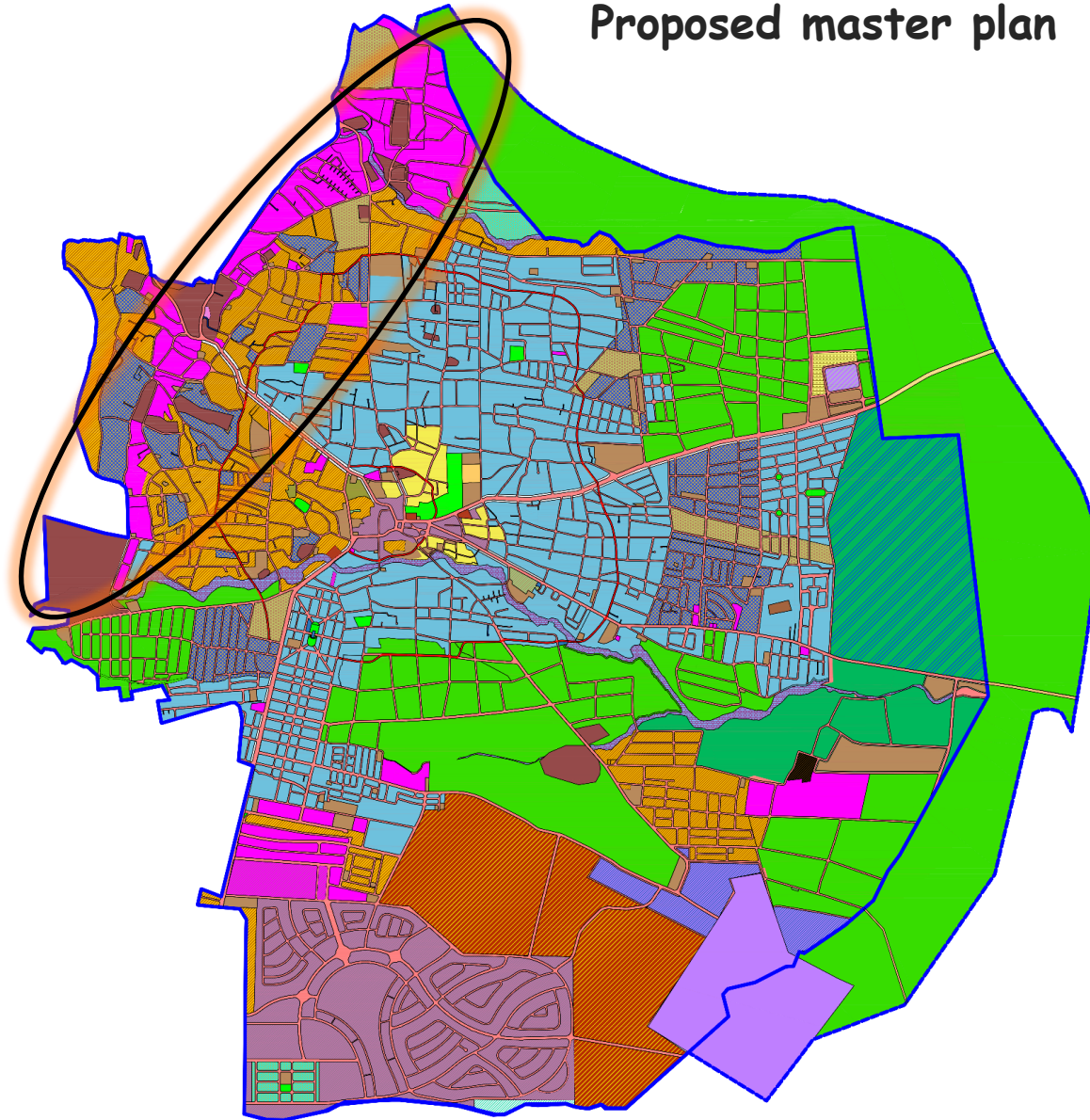


Change of the tourism zone

current master plan

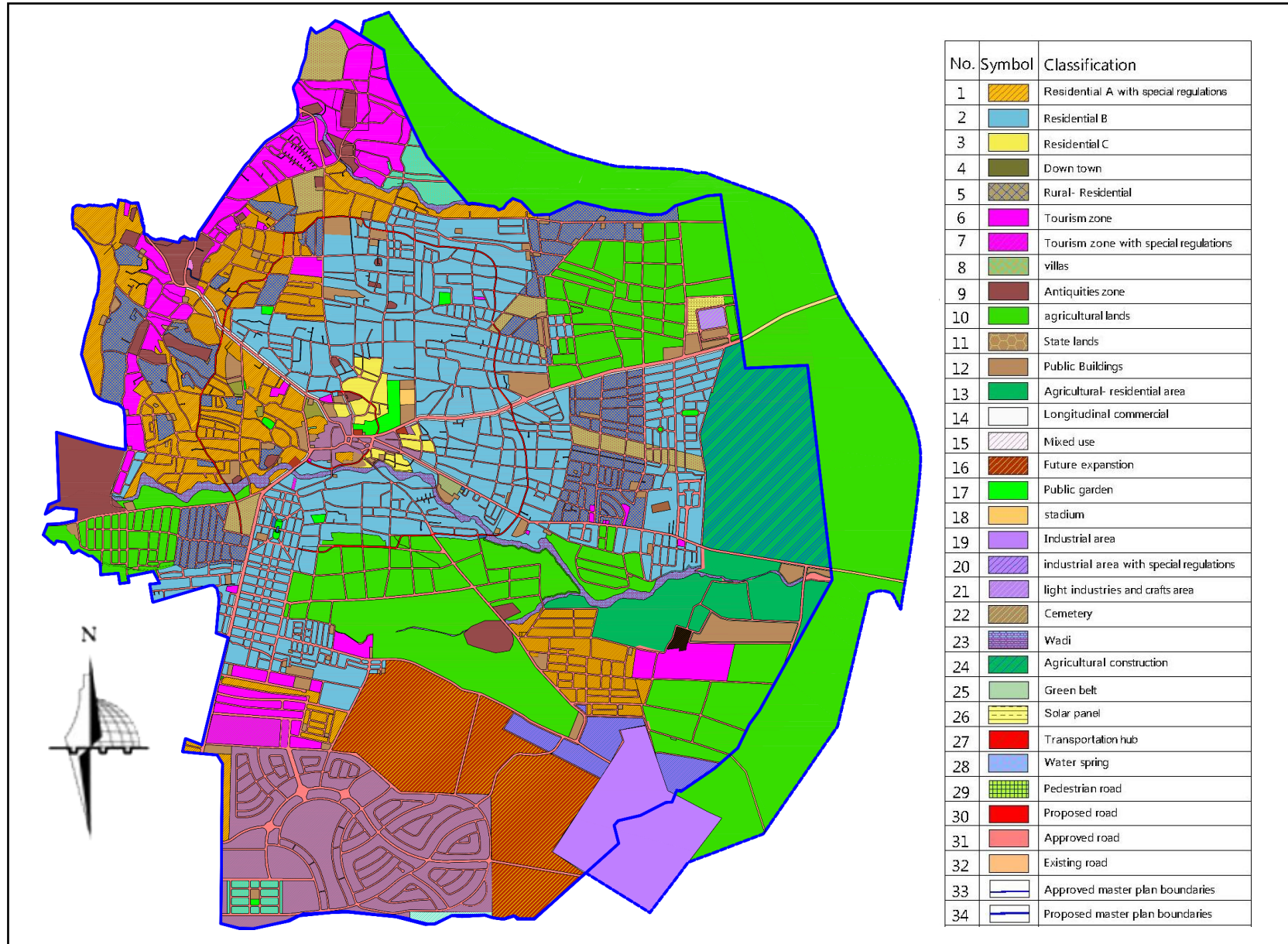


Proposed master plan



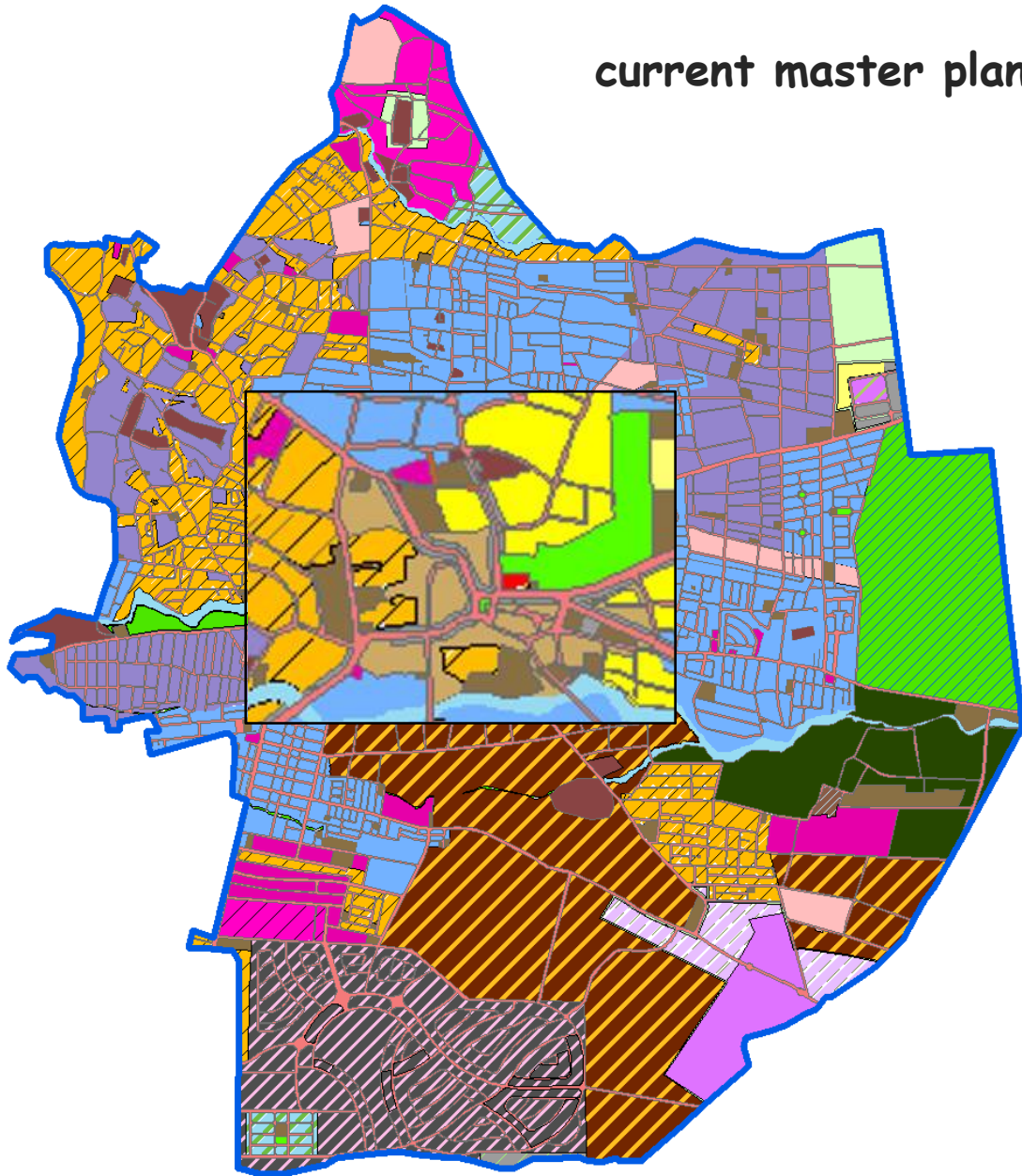
Changed land uses

- 1 Agricultural lands
- 2 City center
- 3 Tourism zone
- 4 Ring roads
- 5 Rural residential area
- 6 Public parking
- 7 Public buildings
- 8 Public gardens

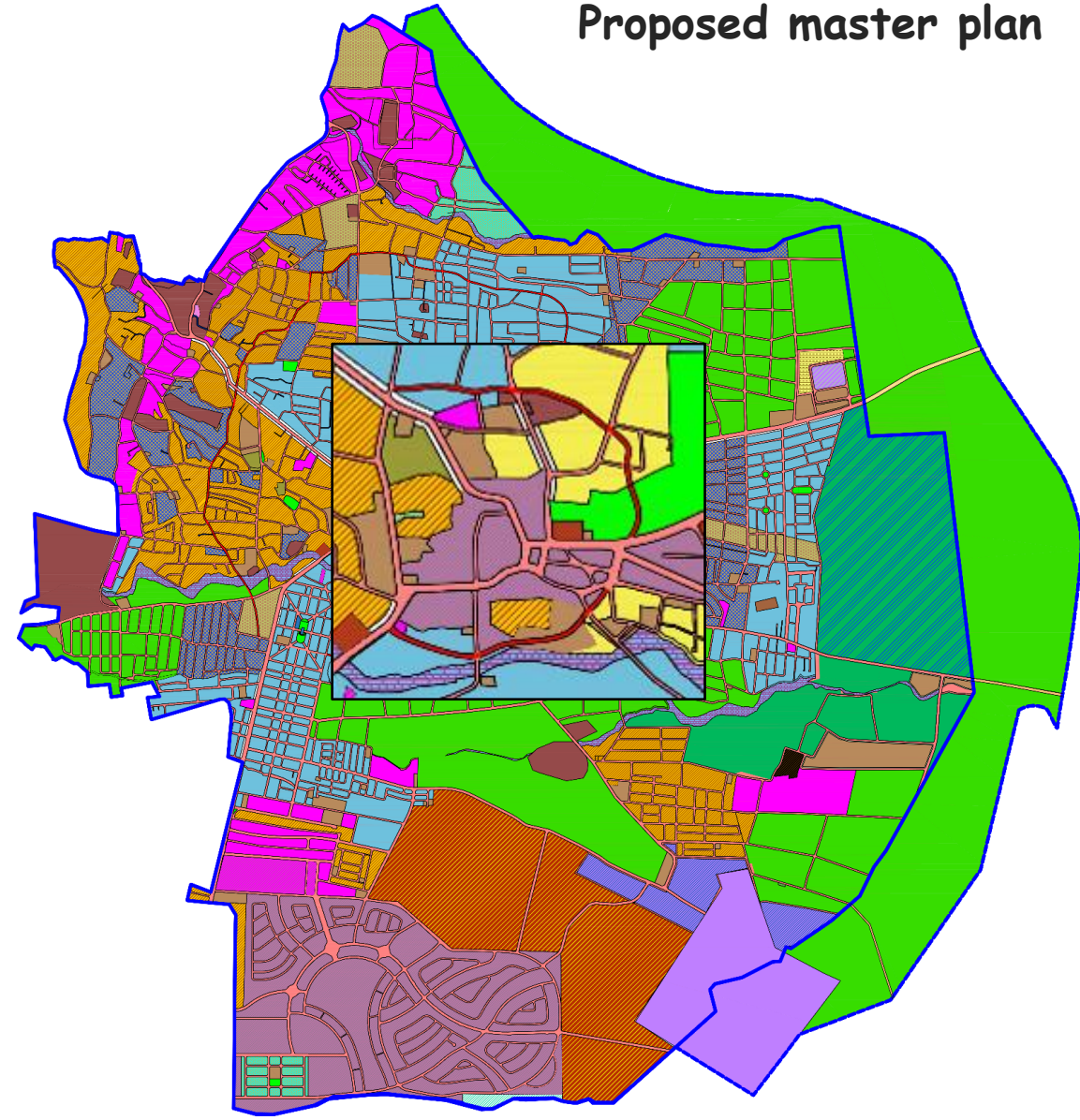


Change of roads

current master plan

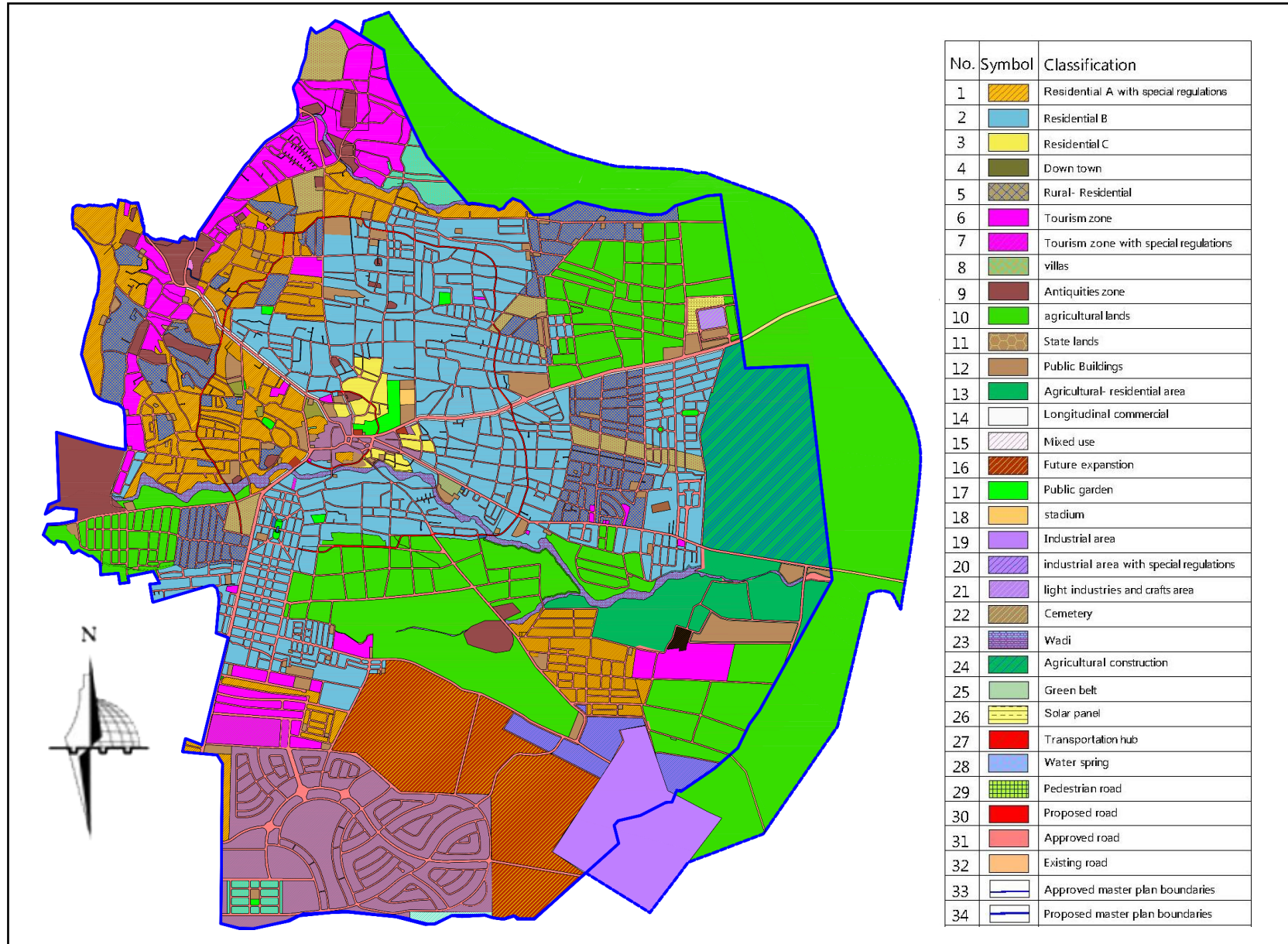


Proposed master plan



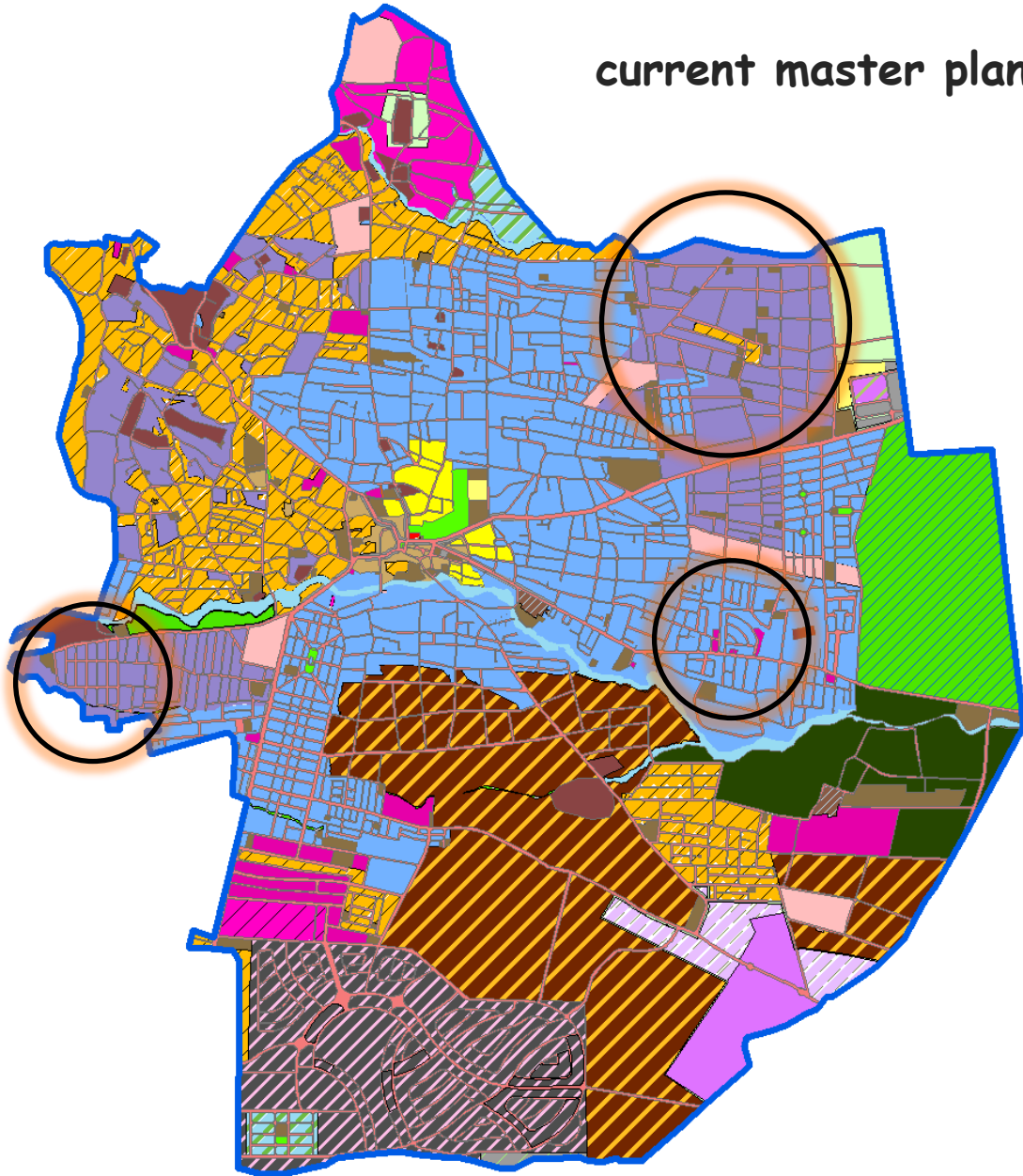
Changed land uses

- 1 Agricultural lands
- 2 City center
- 3 Tourism zone
- 4 Ring roads
- 5 Rural residential area
- 6 Public parking
- 7 Public buildings
- 8 Public gardens

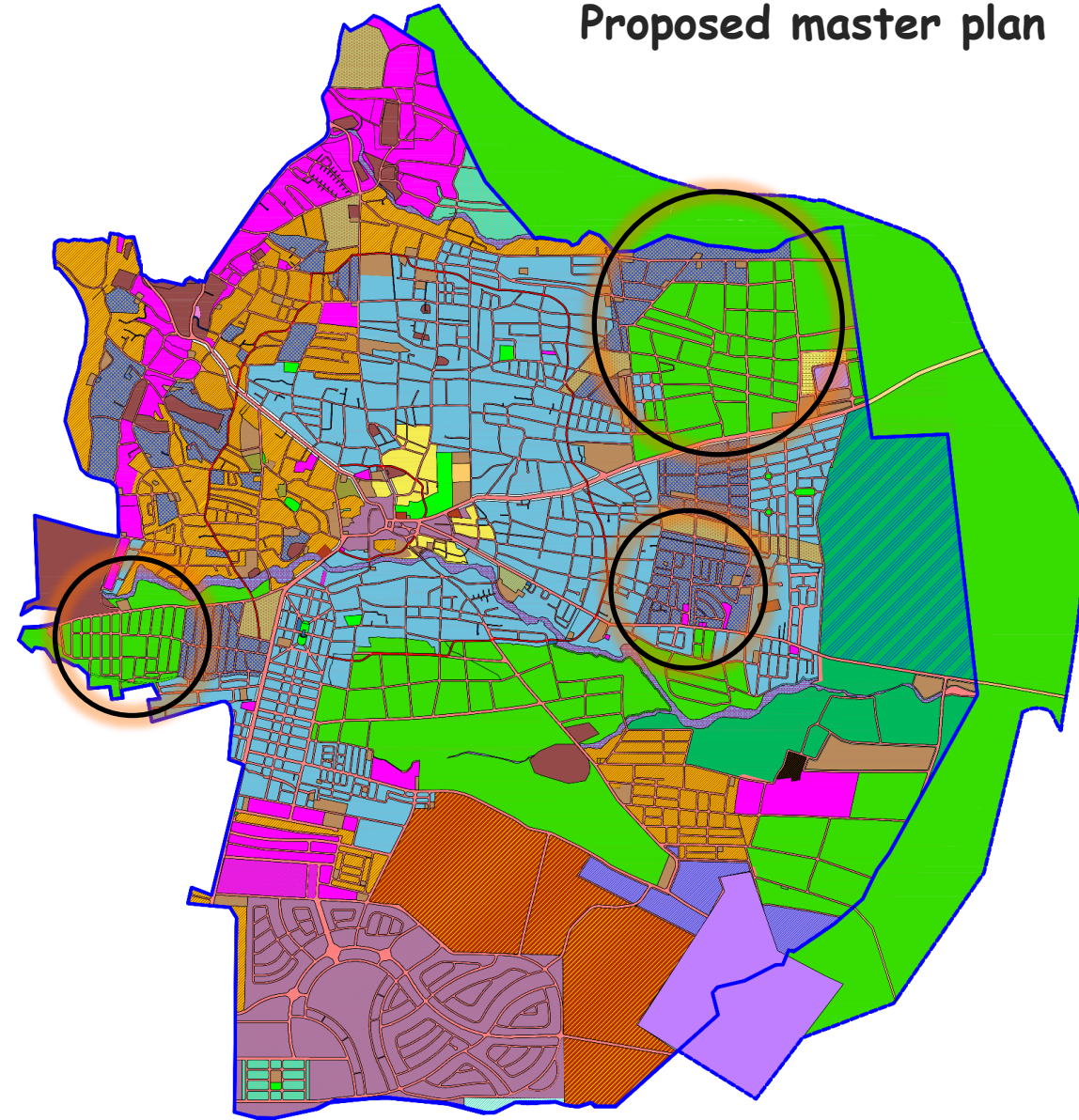


Change of the rural residential areas

current master plan

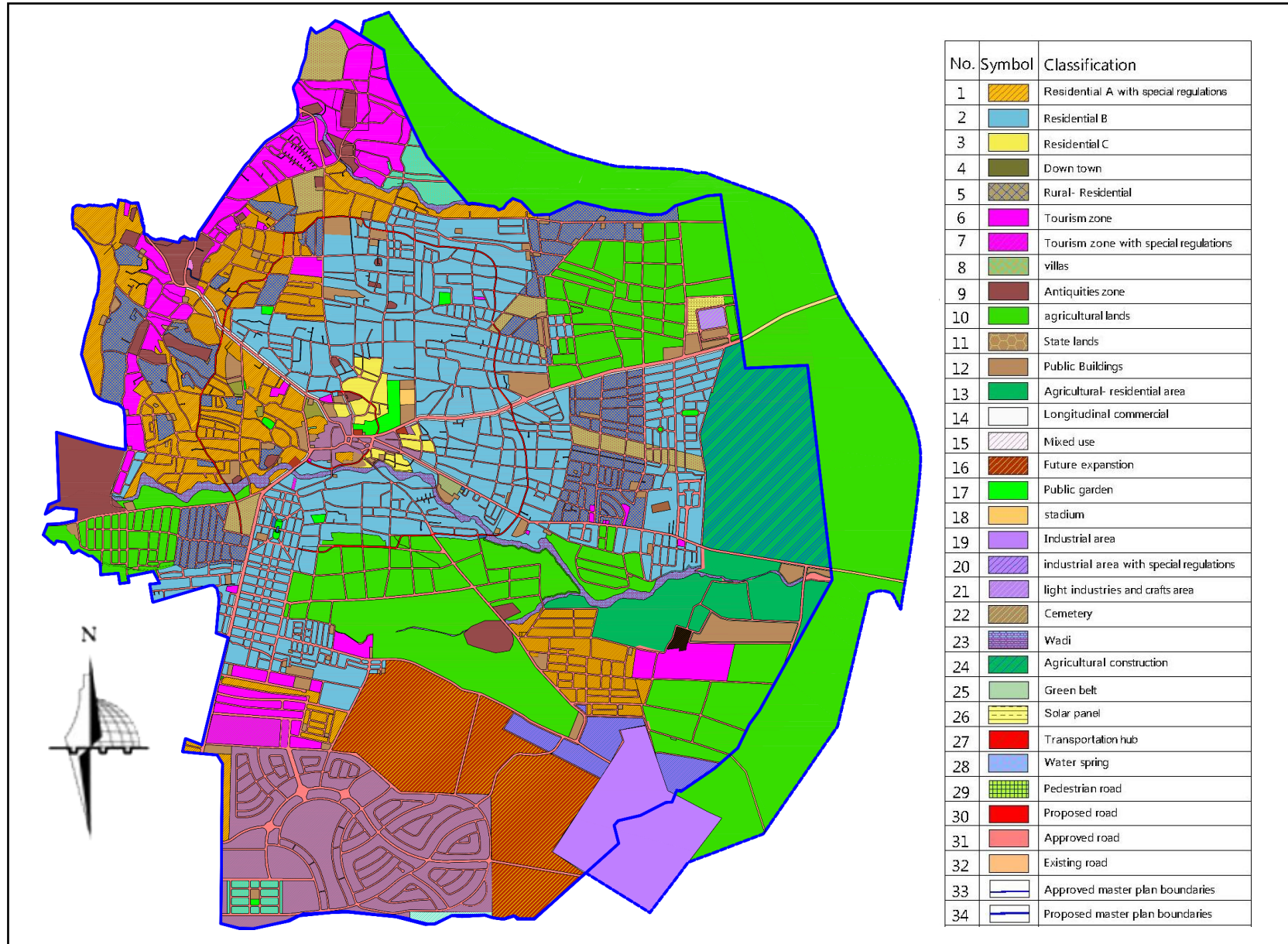


Proposed master plan

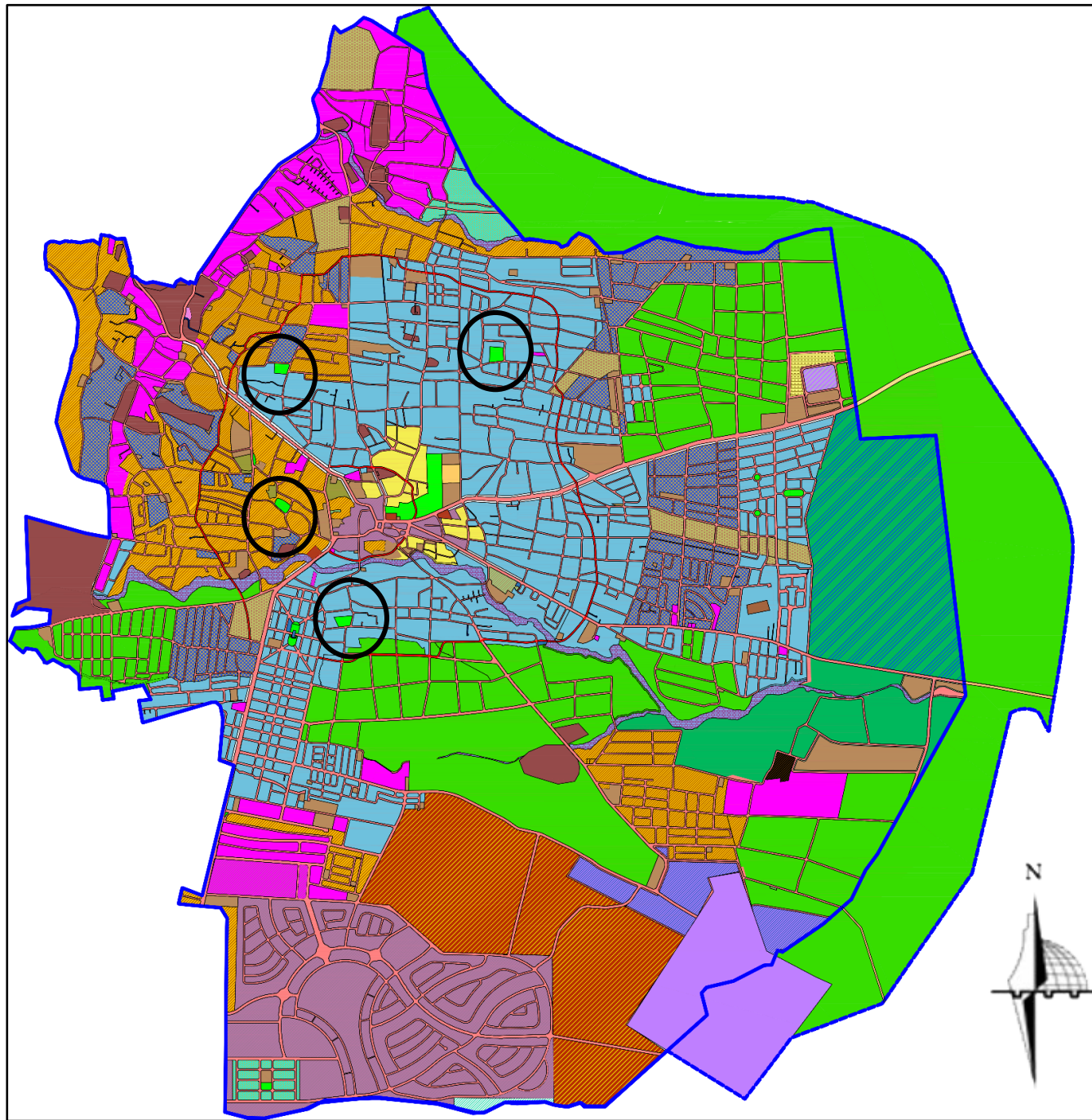


Changed land uses

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- 3 Tourism zone
- 4 Ring roads
- 5 Rural residential area
- 6 Public parking
- 7 Public buildings
- 8 Public gardens

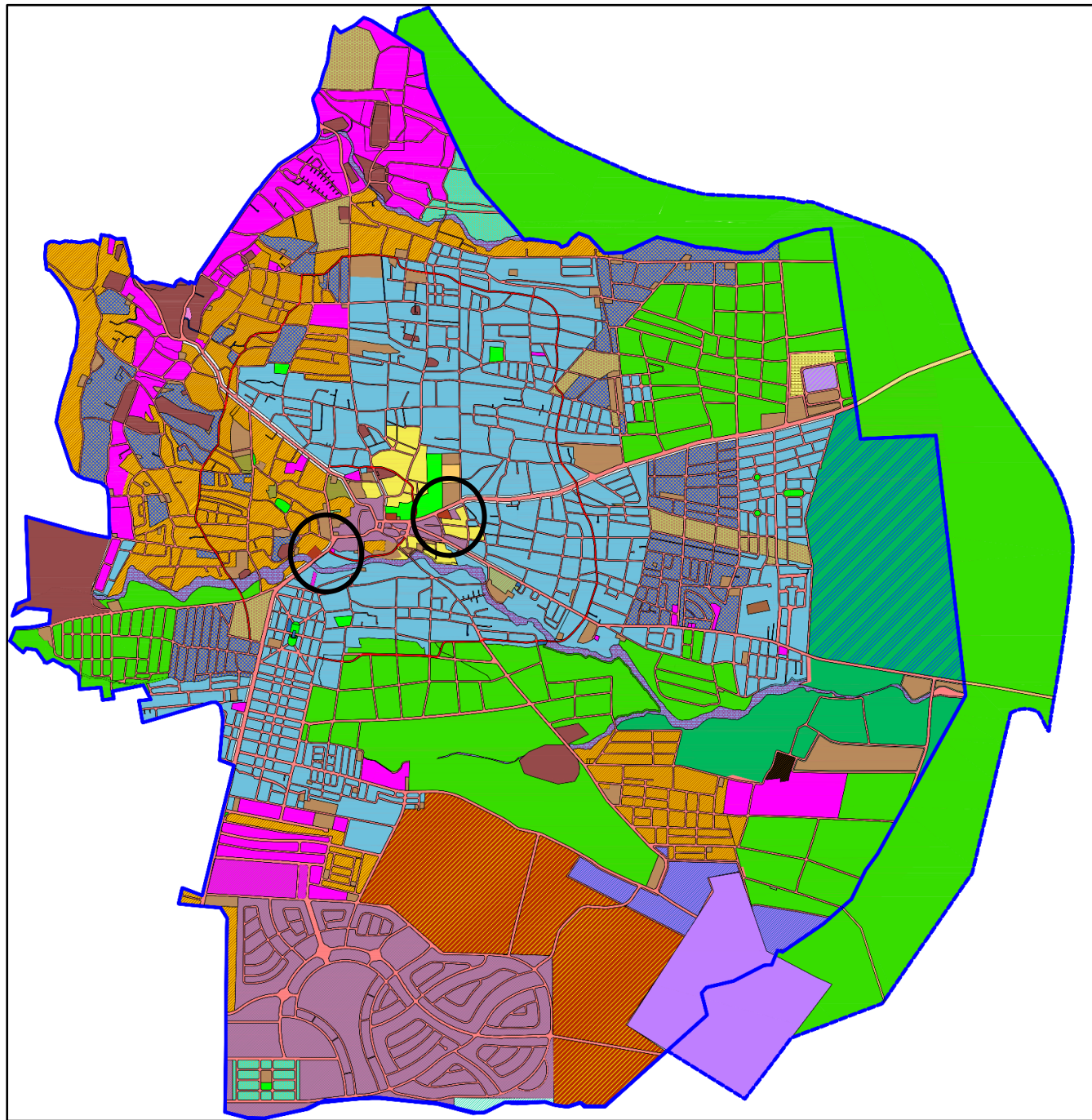


Proposed public gardens



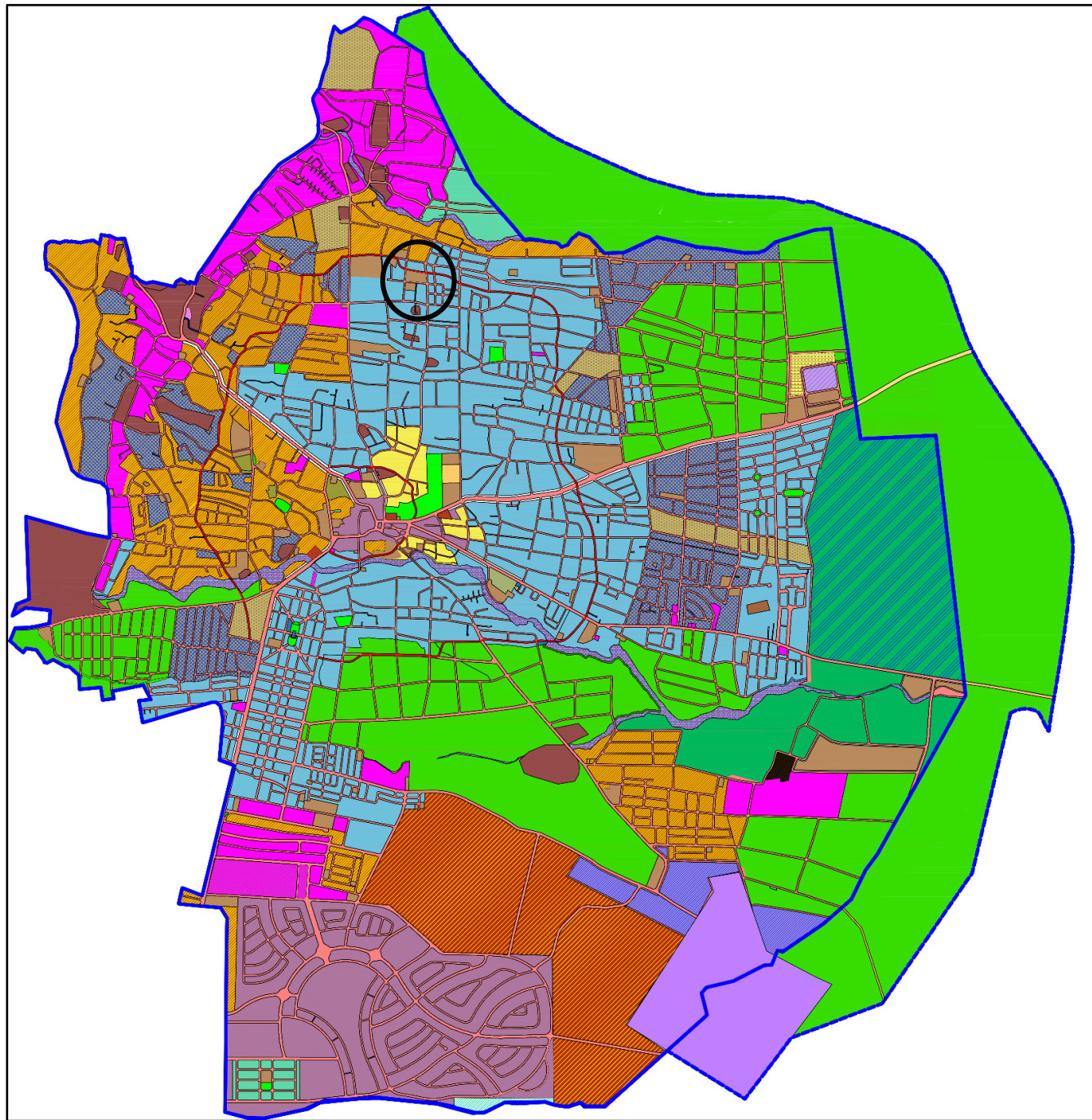
No.	Symbol	Classification
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5		Rural- Residential
6		Tourism zone
7		Tourism zone with special regulations
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9		Antiquities zone
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11		State lands
12		Public Buildings
13		Agricultural- residential area
14		Longitudinal commercial
15		Mixed use
16		Future expansion
17		Public garden
18		stadium
19		Industrial area
20		industrial area with special regulations
21		light industries and crafts area
22		Cemetery
23		Wadi
24		Agricultural construction
25		Green belt
26		Solar panel
27		Transportation hub
28		Water spring
29		Pedestrian road
30		Proposed road
31		Approved road
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Proposed public parking



No.	Symbol	Classification
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Proposed public parking

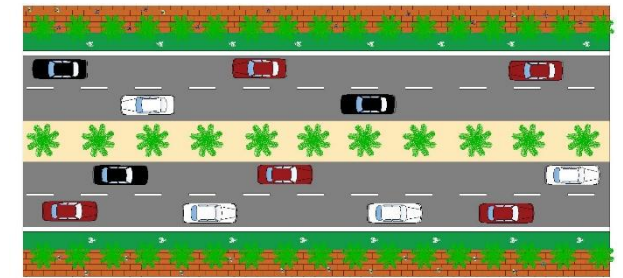
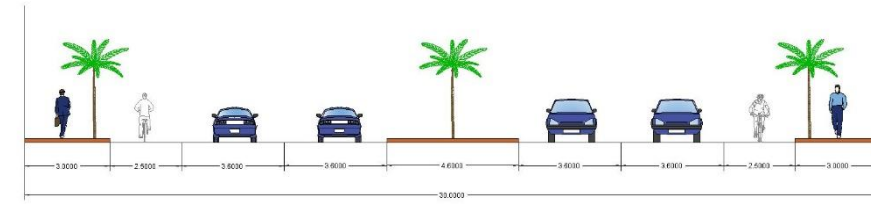


No.	Symbol	Classification
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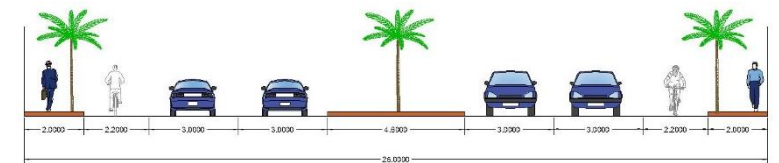
An aerial photograph of a city, likely in a desert region, showing a mix of residential and commercial buildings. A prominent feature is a large, modern building with a glass facade. The image is overlaid with a dark horizontal band that contains the text 'Main roads design' in a white, bold, sans-serif font. The background image is dimmed to make the text stand out.

Main roads design

Main roads design

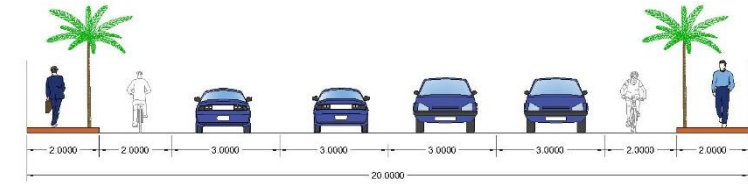
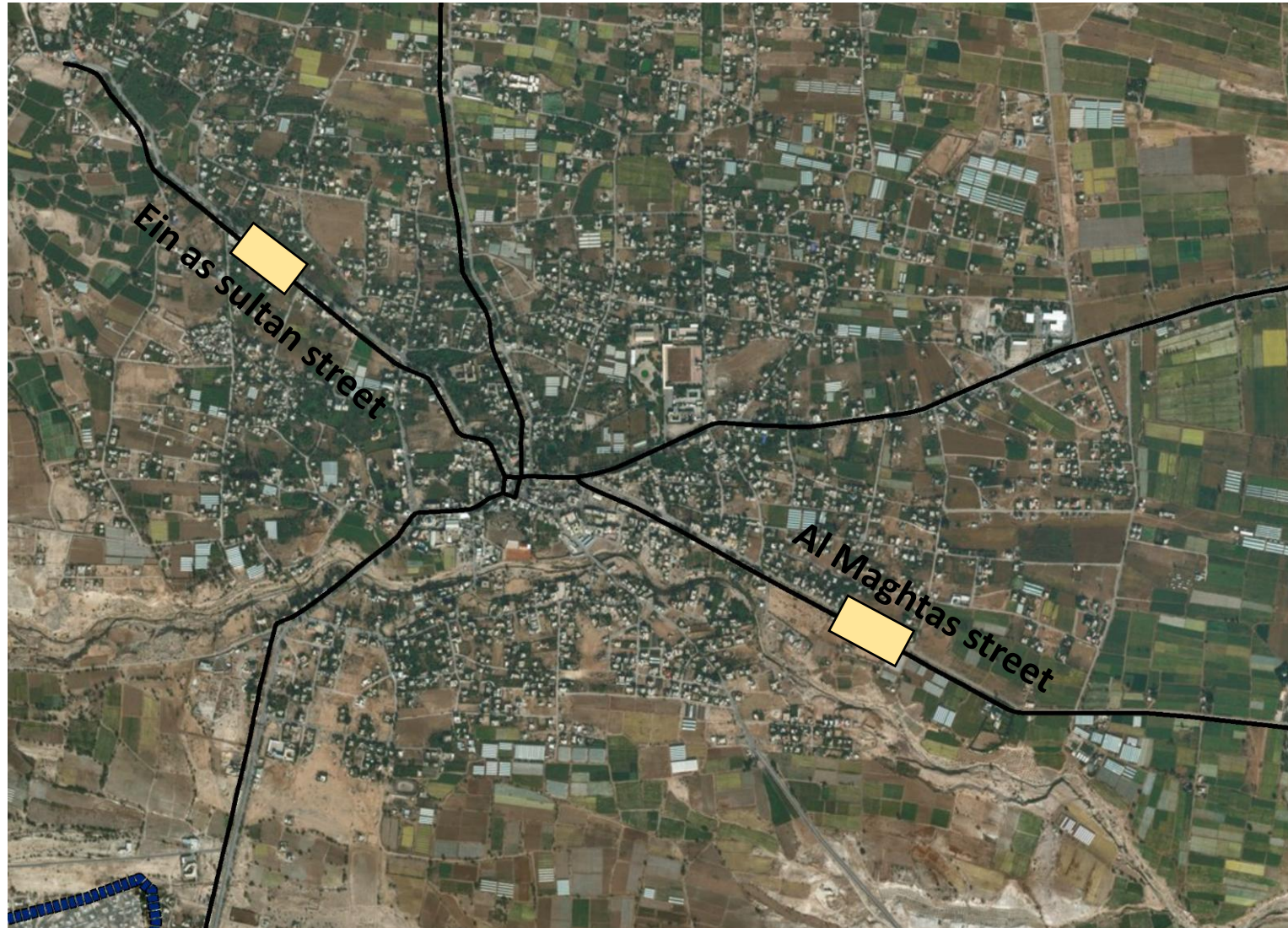


Al Quds street

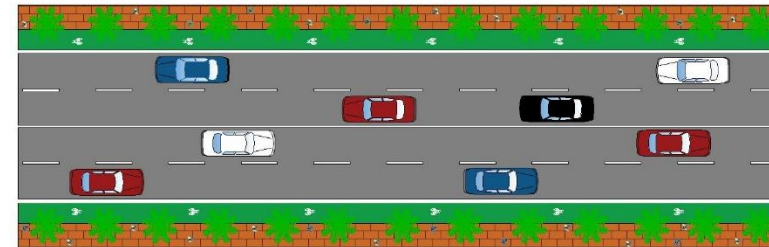
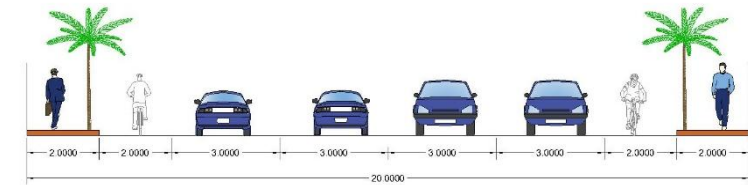


Amman street

Main roads design

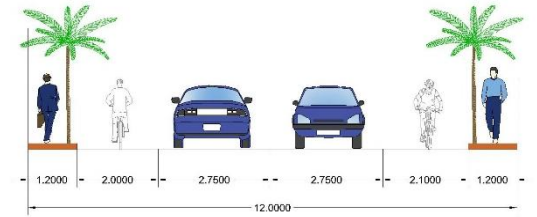


Ein as Sultan street



Al maghtas street

Main roads design



Hisham palace street