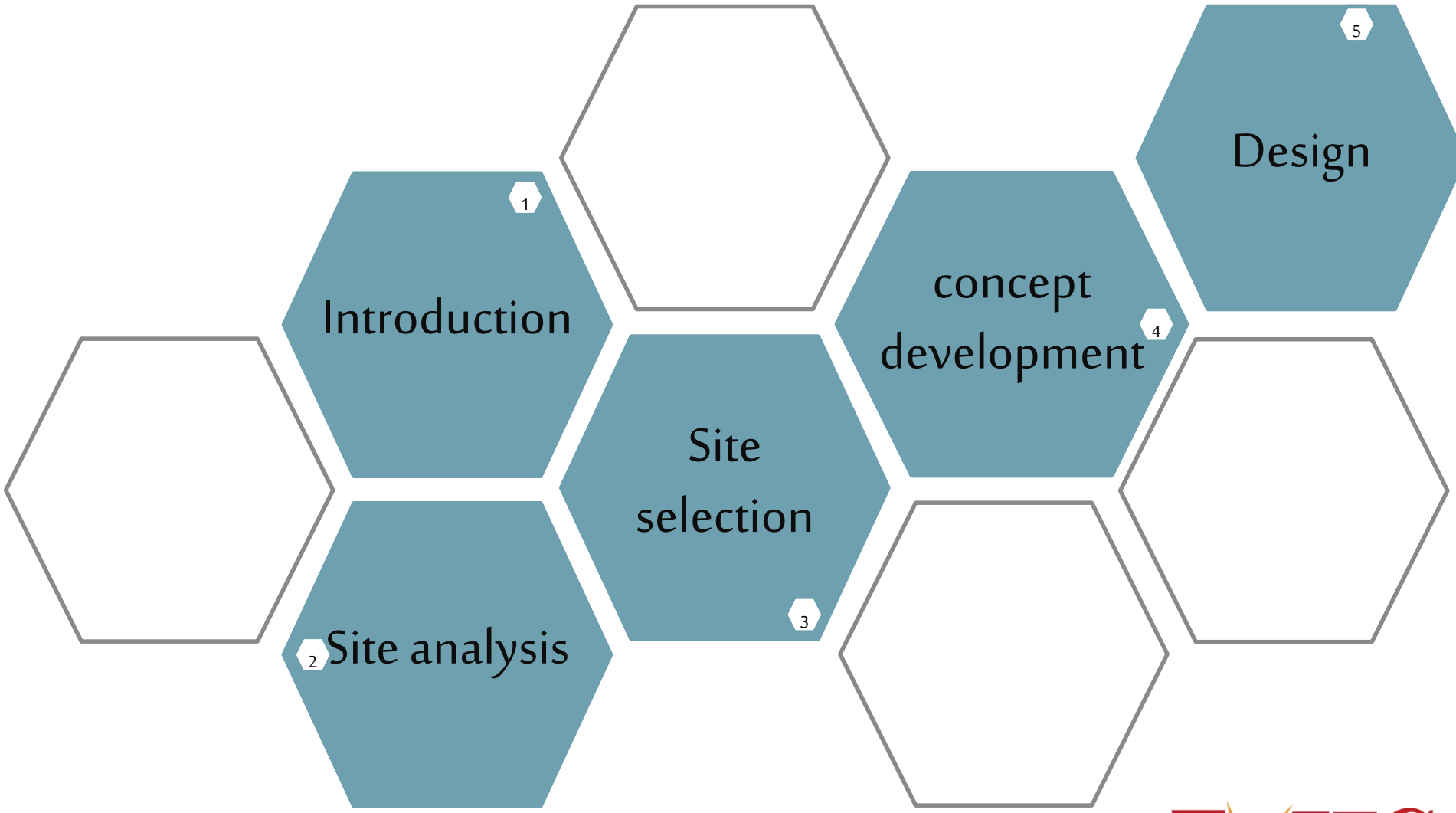
PLANNING TECHNICAL AND VOCATIONAL
TRAINING AND EDUCATION CAMPUS

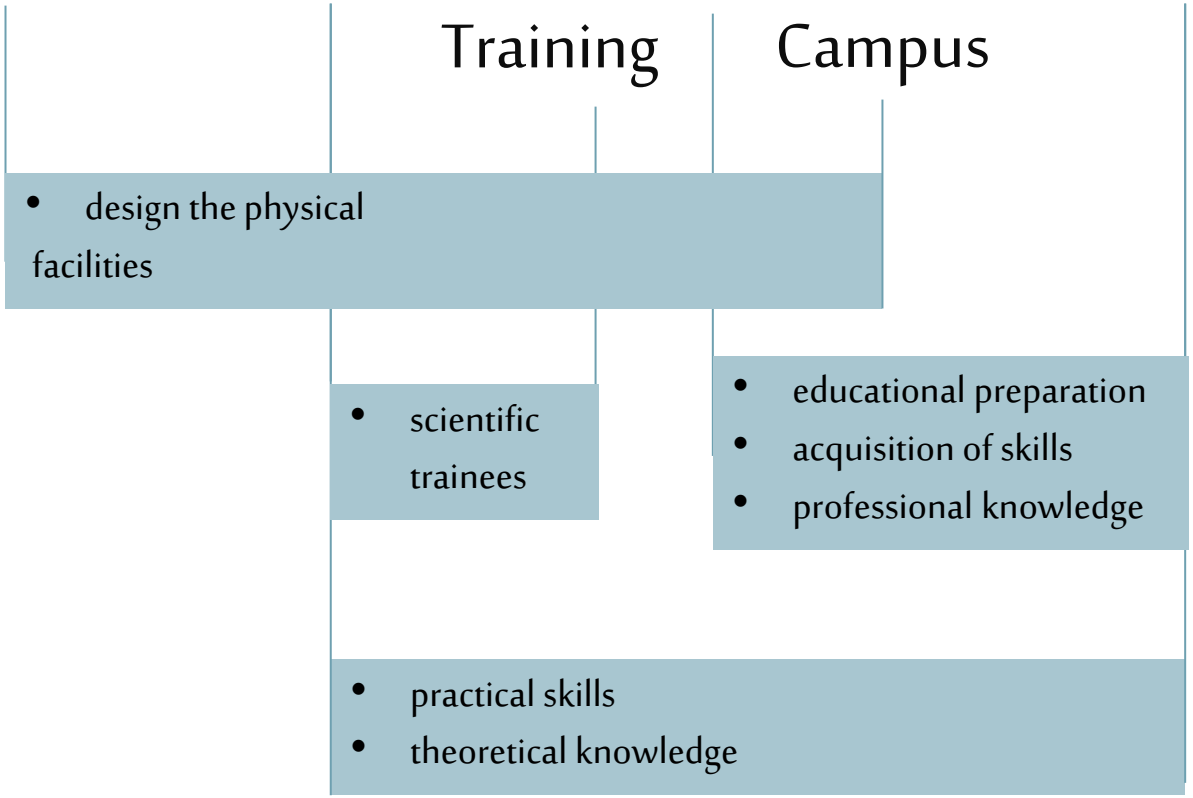
Noor Nabeel Surakji

Content :


1
Introduction
2
Site analysis
Site selection
3
concept development
4
5
Design

Introduction:

Planning Technical and Vocational Education and Training Campus



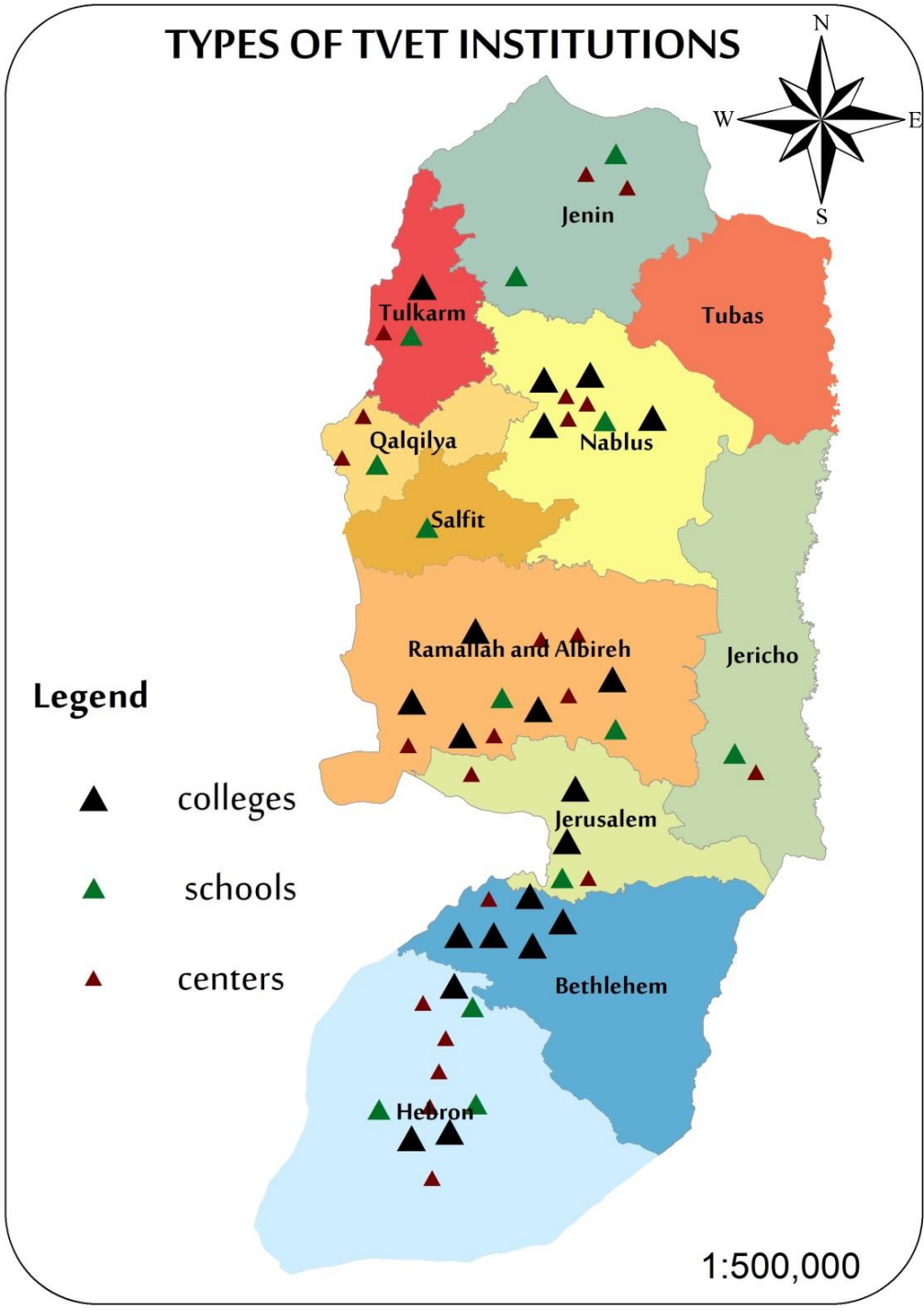
Site selection:

There is three standard for planning campuses :

- Increasing the number of class ,offices ,laboratories...ect
- Increasing the capacity of the institution by increasing the studying hours, courses number
- Planning for new buildings or new centres

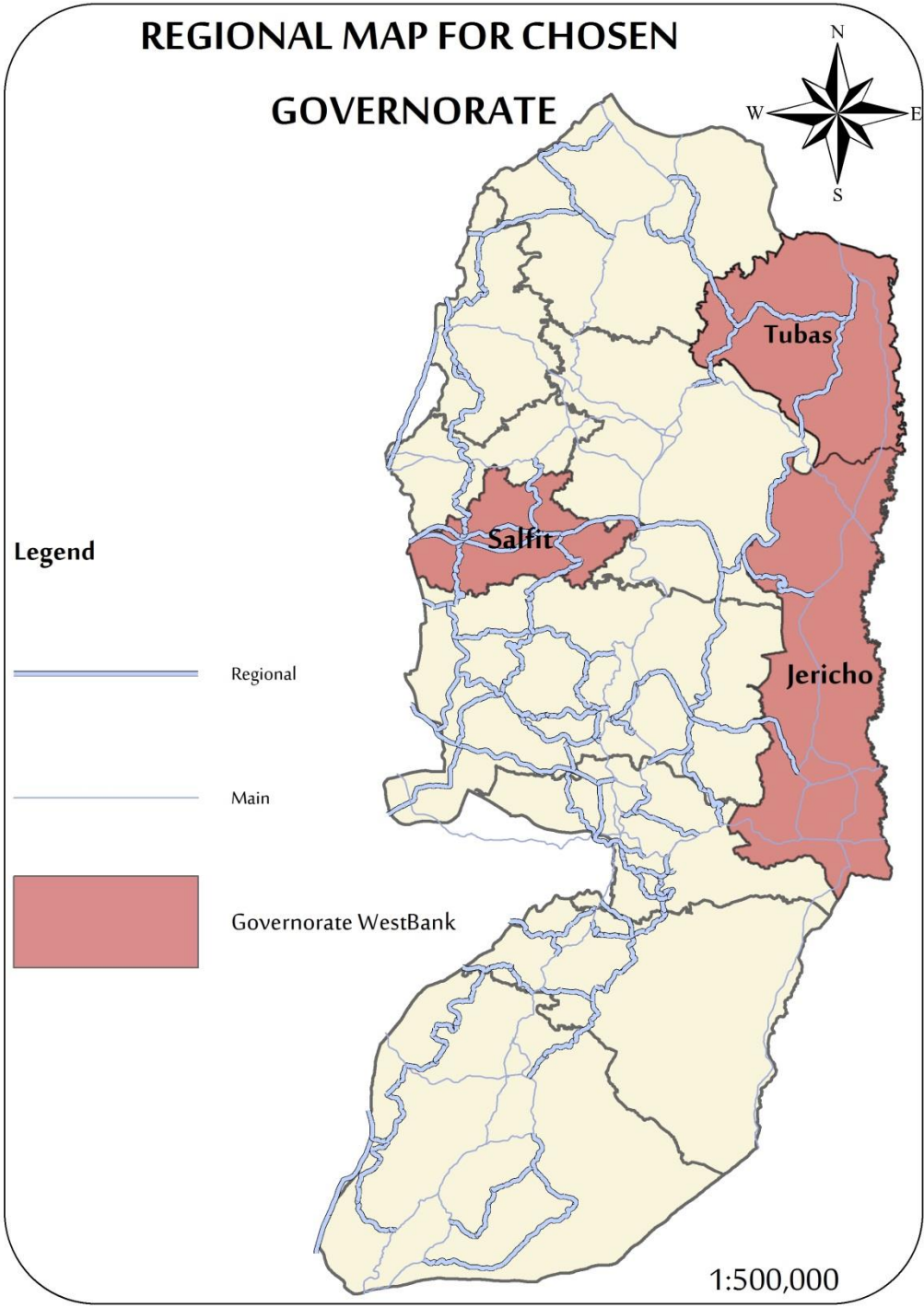
Site selection:

Governorate / Institutions	colleges	schools	Centers	Total
Nablus	4	1	3	8
Ramallah And Bireh	5	2	5	12
Jenin	-	2	2	4
Salfit	-	1	-	1
Qalqilya	-	1	2	3
Hebron	3	3	5	11
Tubas	-	-	-	0
Jericho	-	1	1	2
Bethlehem	5		1	6
Tulkarem	1	1	1	3
Jerusalem	2	1	2	5



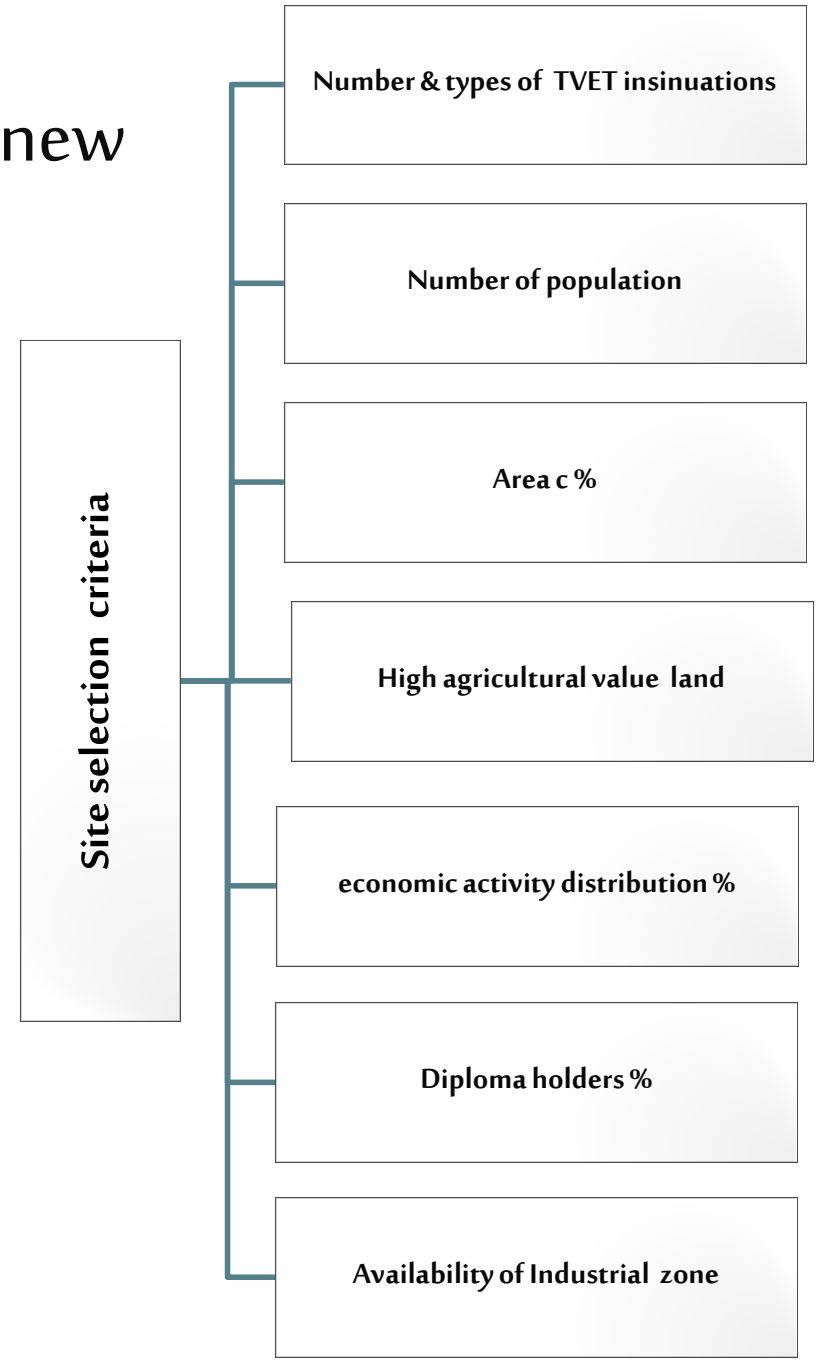
Site selection:

The chosen governorate :



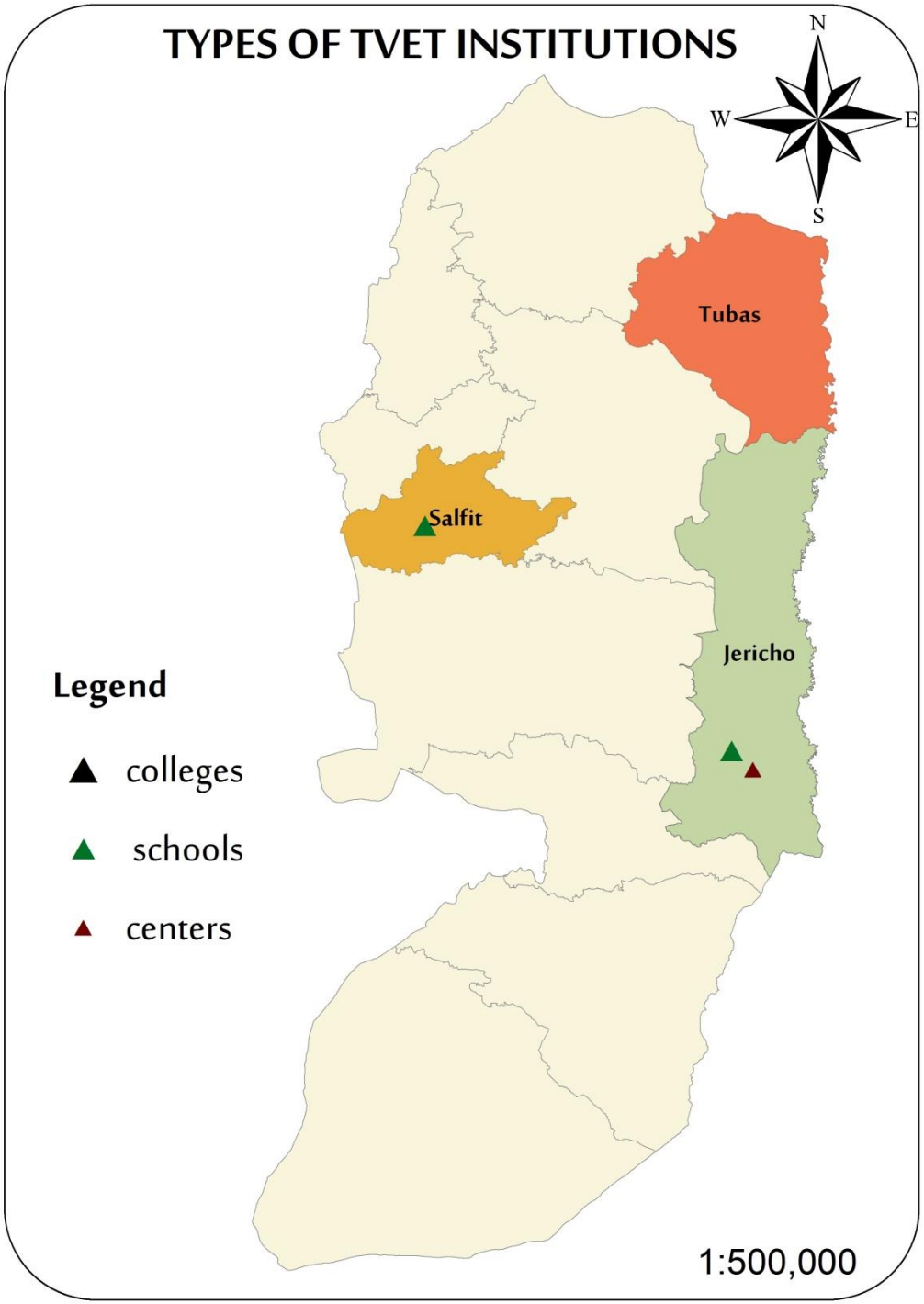
Site selection:

Criteria for Planning new campus :



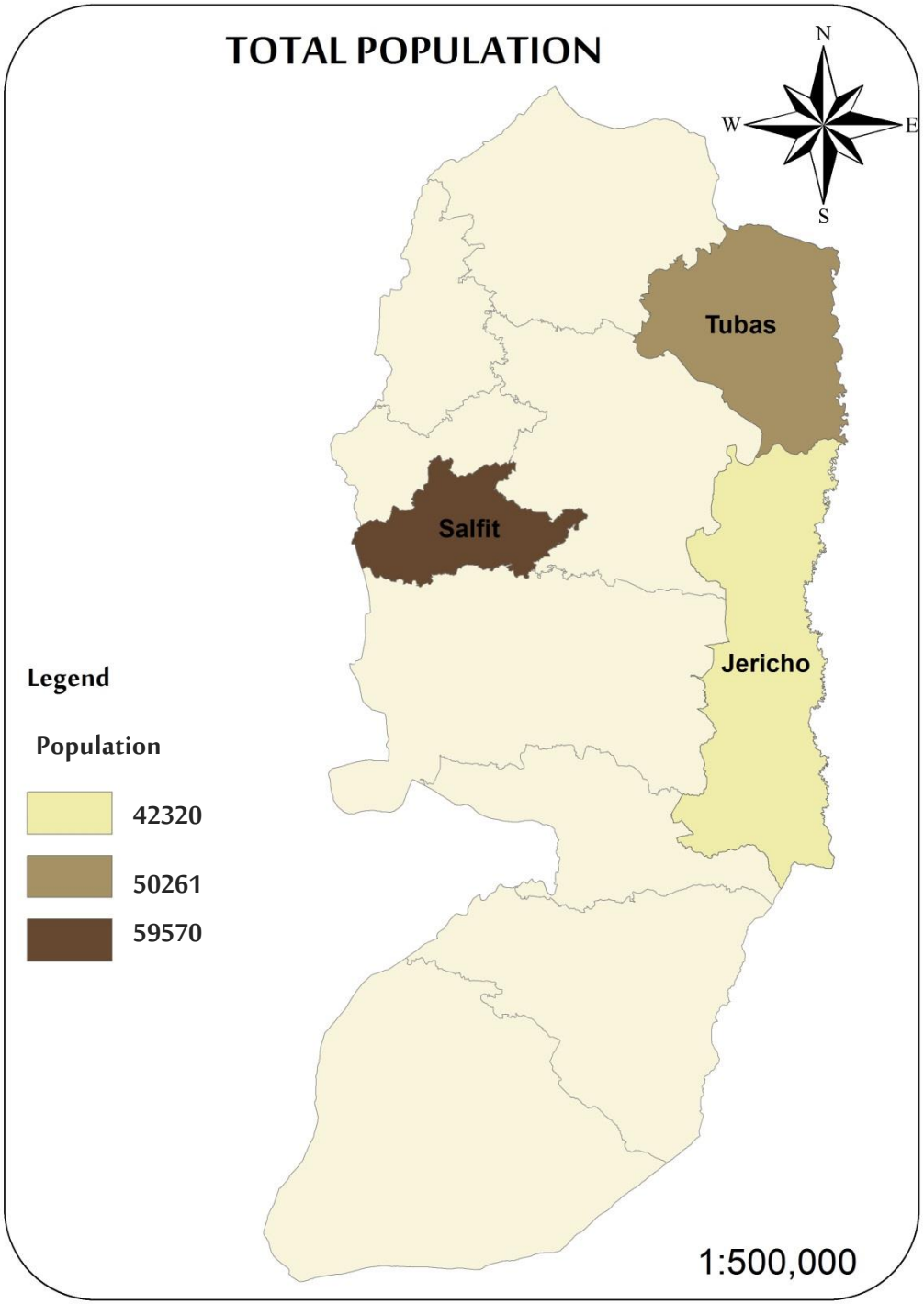
Site selection:

The Number & the type of TVET institutions :



Site selection:

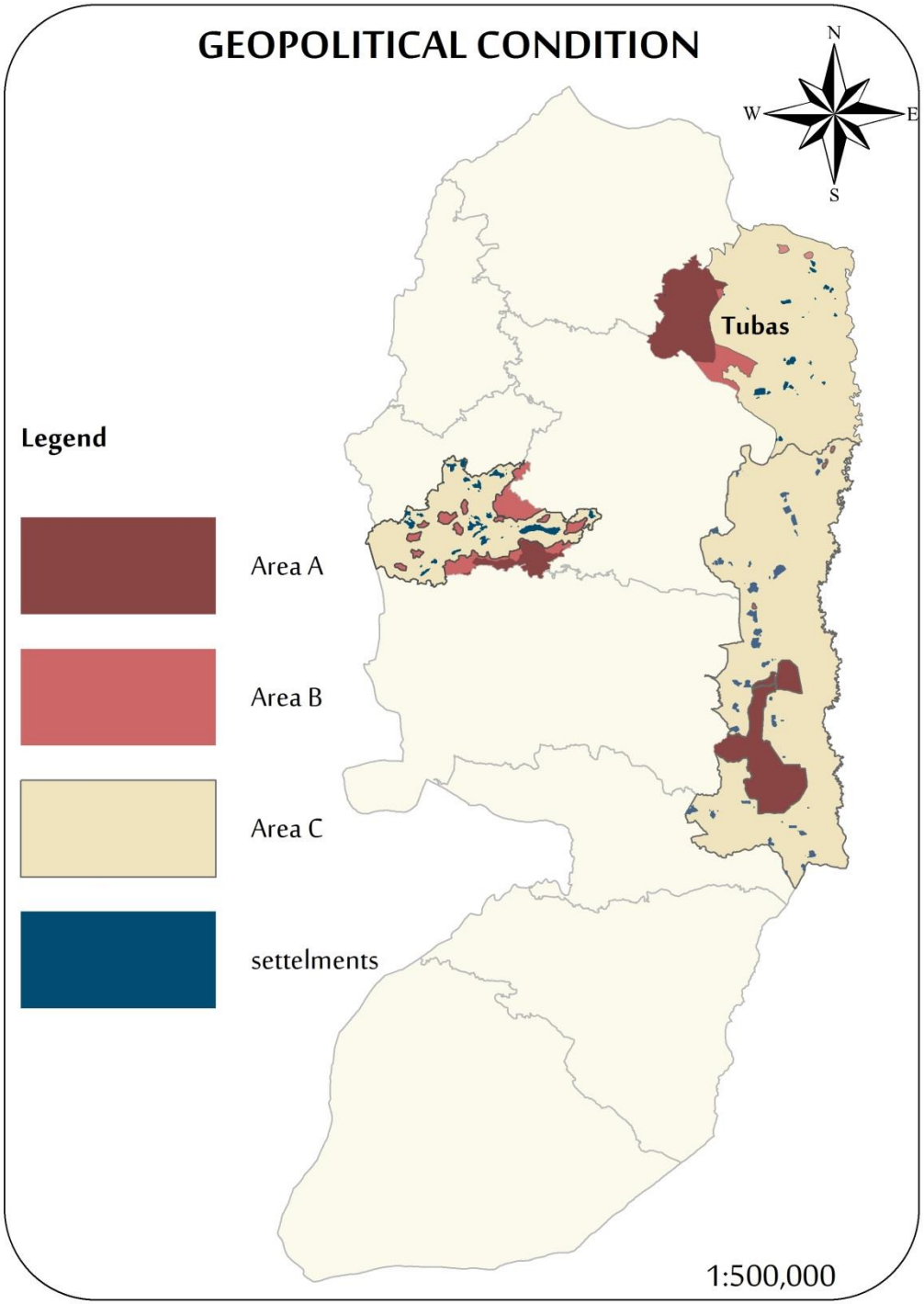
Total Population :



Site selection:

Percentage of Area C & Settlements :

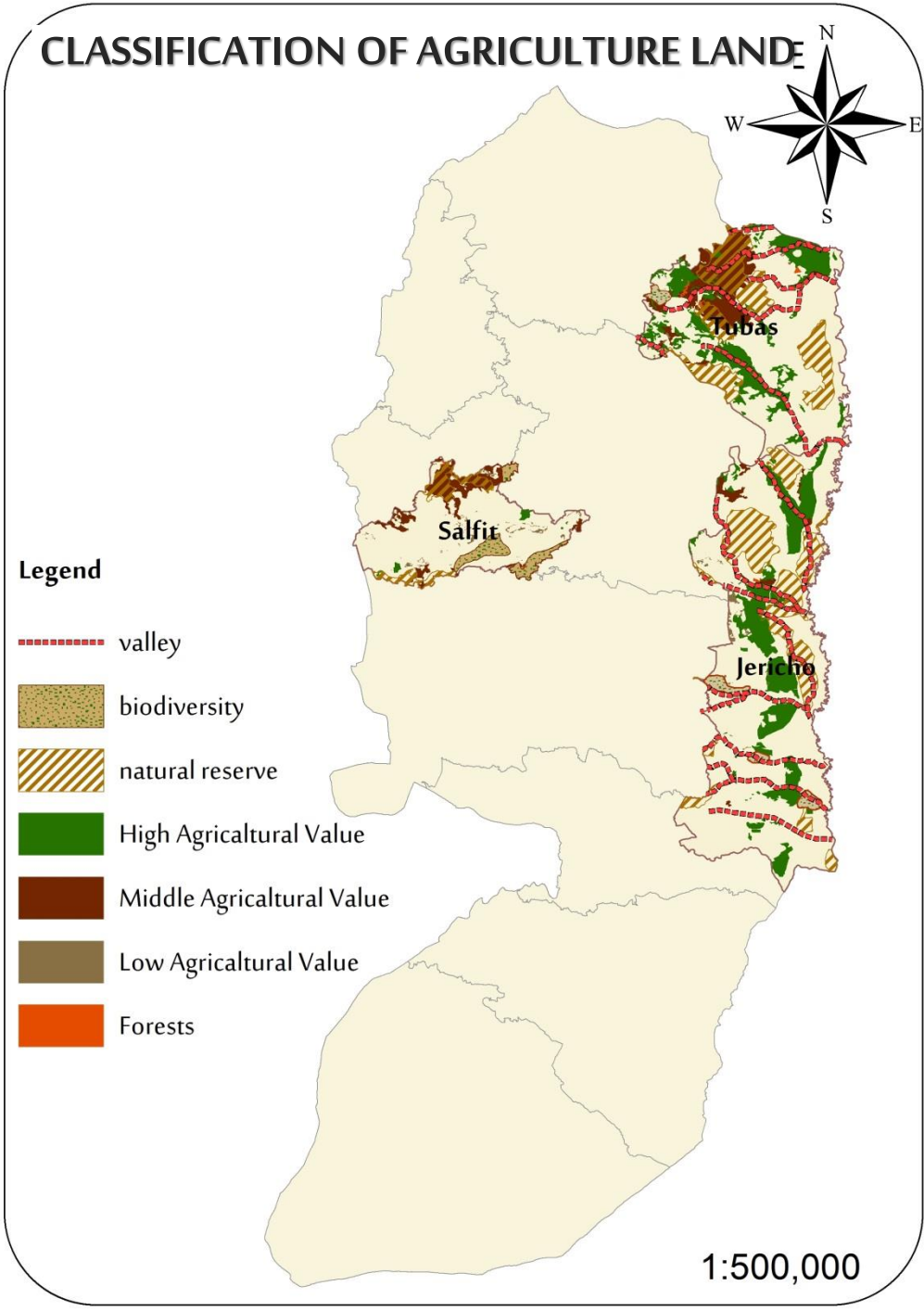
Governorate	Area C & settlements percentage
Salfit	91%
Jericho	80%
Tubas	81%



Site selection:

High agricultural value, biodiversity and natural deserve :

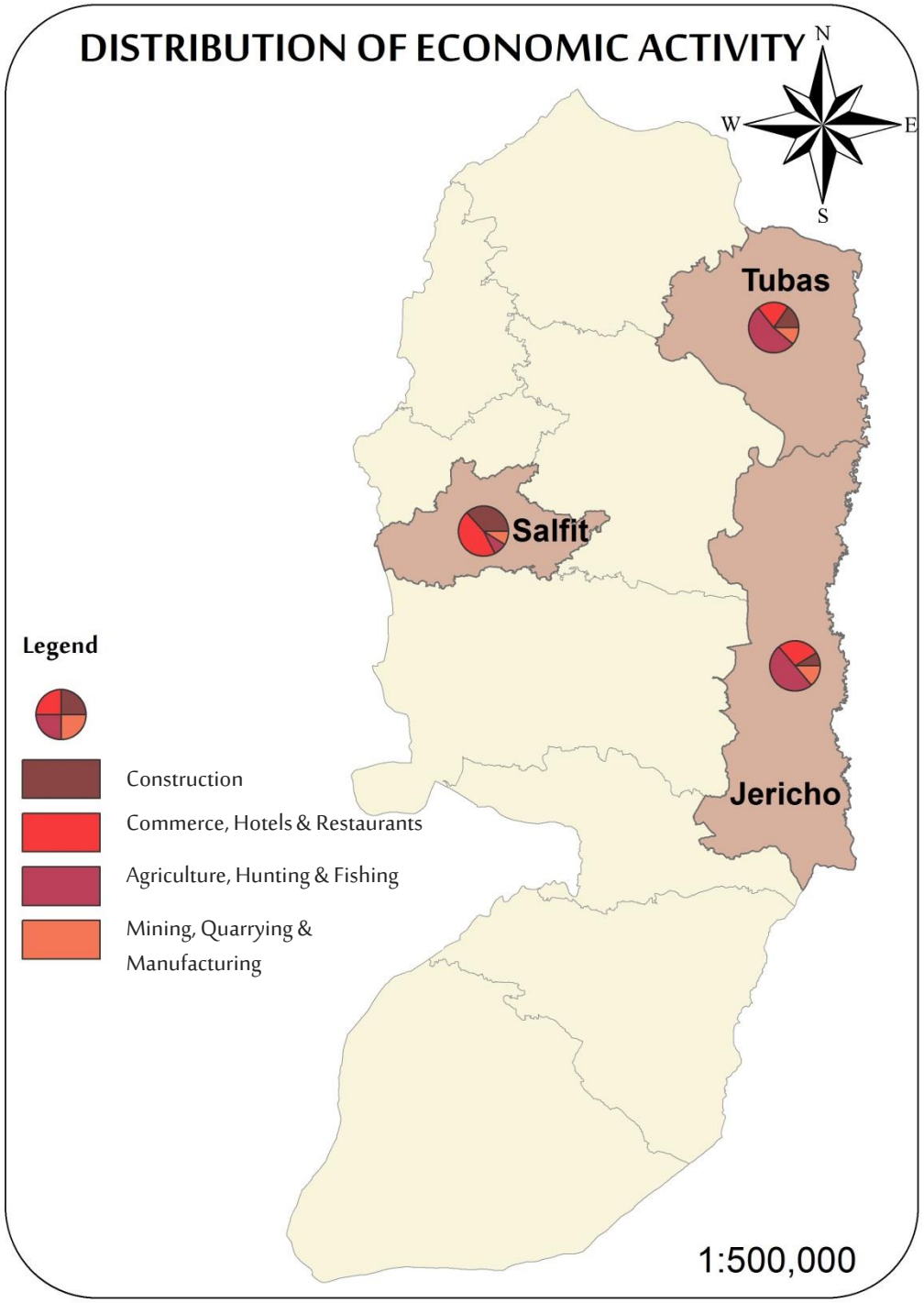
Governorate	High agricultural value ,biodiversity and natural deserve percentage
Salfit	35%
Jericho	19%
Tubas	41%



Site selection:

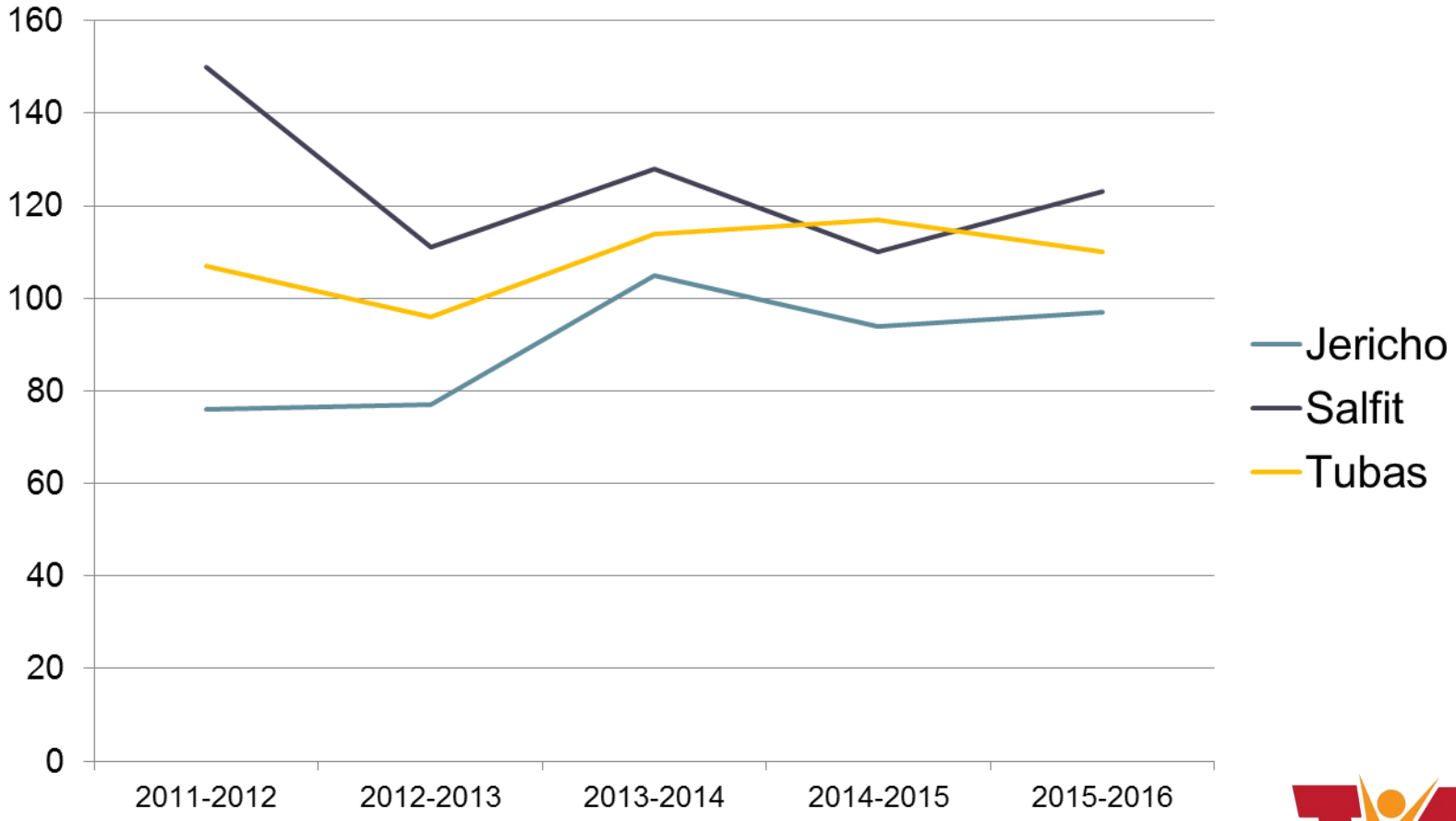
Percentage Distribution of Employed Economic Activity :

Distribution of Employed Economic Activity percentage				
Governorate	Agriculture, Hunting & Fishing	Mining, Quarrying & Manufacturing	Construction	Commerce, Hotels & Restaurants
Salfit	4.8 %	4.8 %	20.0%	24.9 %
Jericho	31.5%	8.6%	5.5%	17.3%
Tubas	35.1 %	7.4%	10.1%	13.4%



Site selection:

NUMBER OF DIPLOMA REGISTERED STUDENTS IN MIDDLE COLLEGES AND UNIVERSITIES :



Criteria

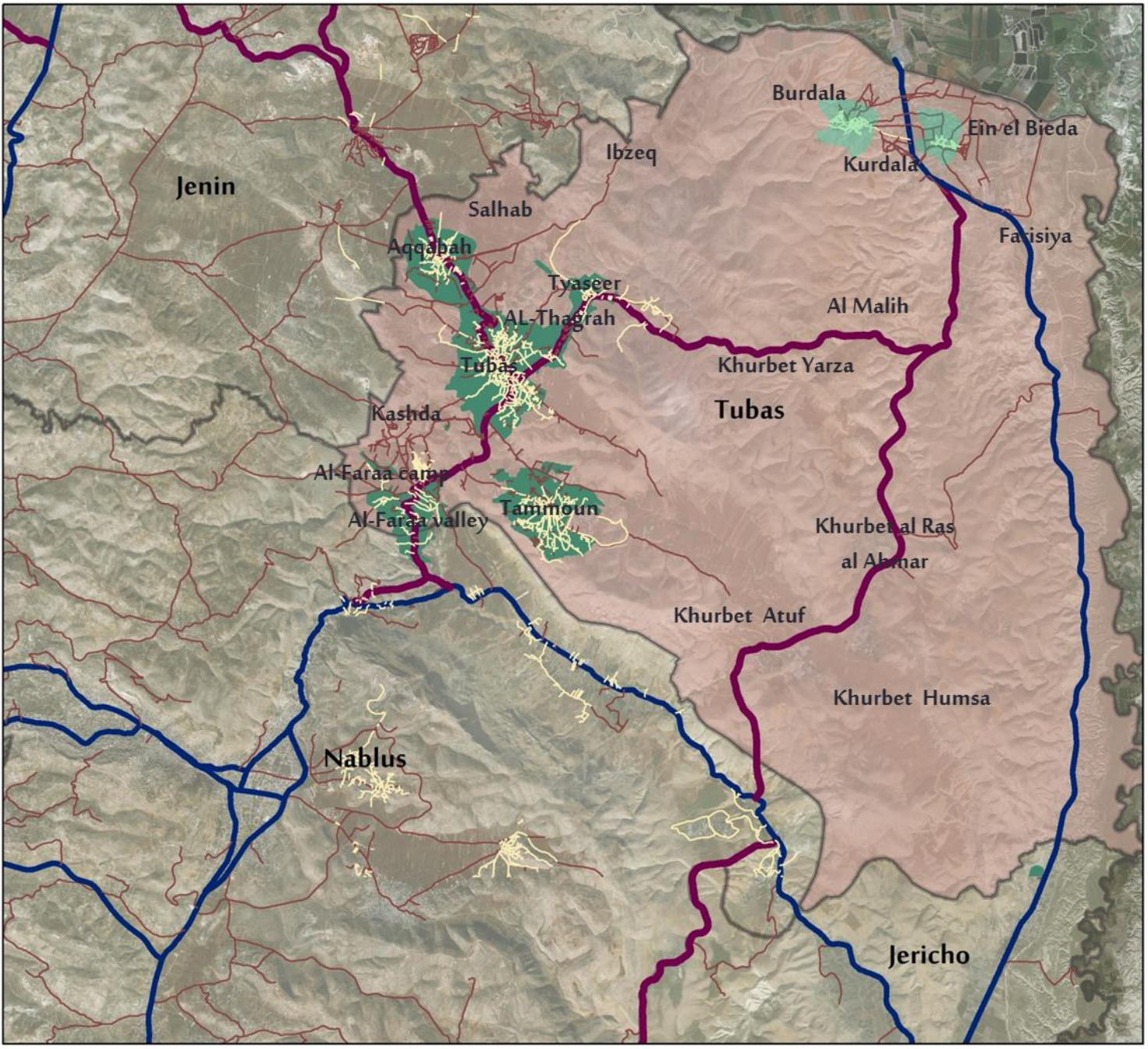
Governorates	Number of population	Number of TVET insinuations	High agricultural value ,biodiversity and natural deserve %	Diploma holders %	Number of diploma registered students	Area c %	Percentage distribution of economic activity				Availability of Industrial zone
							Agriculture, Hunting & Fishing	Mining, Quarrying & Manufacturing	Construction	Commerce, Hotels & Restaurants	
Salfit	72,279	1	35%	4.1	622	91%	4.8	4.8	20.0	24.9	Yes
Jericho	66,854	2	19%	2.5	449	80%	31.5	8.6	5.5	17.3	Yes
Tubas	53,562	0	41%	3.6	544	81%	35.1	7.4	10.1	13.4	No

Evaluation

Governorates	Number of population	Number of TVET insinuations	High agricultural value ,biodiversity and natural deserve %	Diploma holders %	Number of diploma registered students	Area c %	Percentage distribution of economic activity				Availability of Industrial zone	Total
							Agriculture, Hunting & Fishing	Mining, Quarrying & Manufacturing	Construction	Commerce, Hotels & Restaurants		
	3	3	3	1	2	3	2	2	2	2	2	
Salfit	3	1	1	1	3	1	1	1	3	3	3	47
Jericho	2	2	2	3	1	3	2	3	1	2	1	50
Tubas	1	3	3	2	2	2	3	2	2	1	3	55

Site selection:

TUBAS GOVERNORATE



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TUBAS REGIONAL MAP

Legend

internal

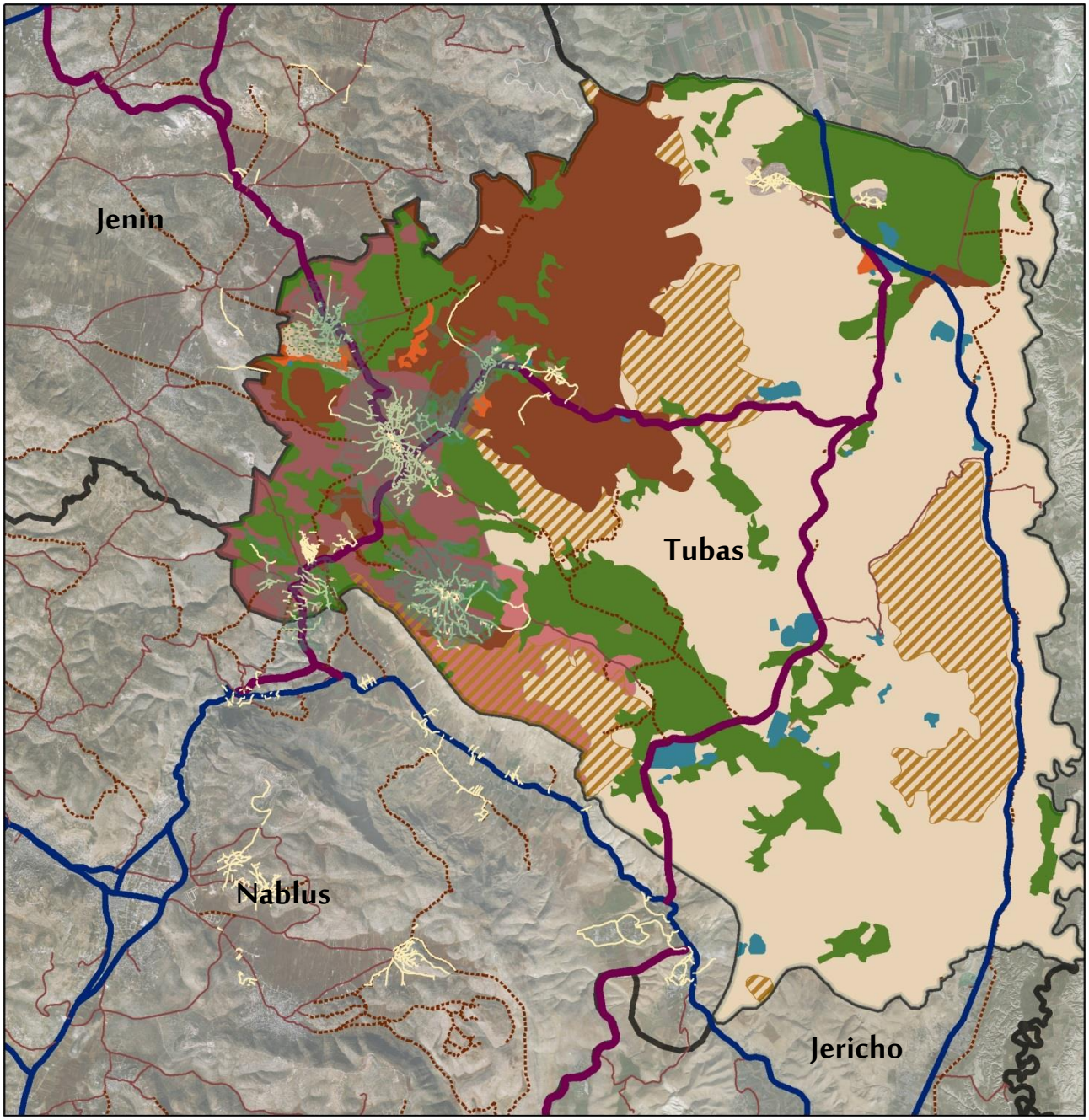
Local

Main

Regional

Tubas communities

1:150,000



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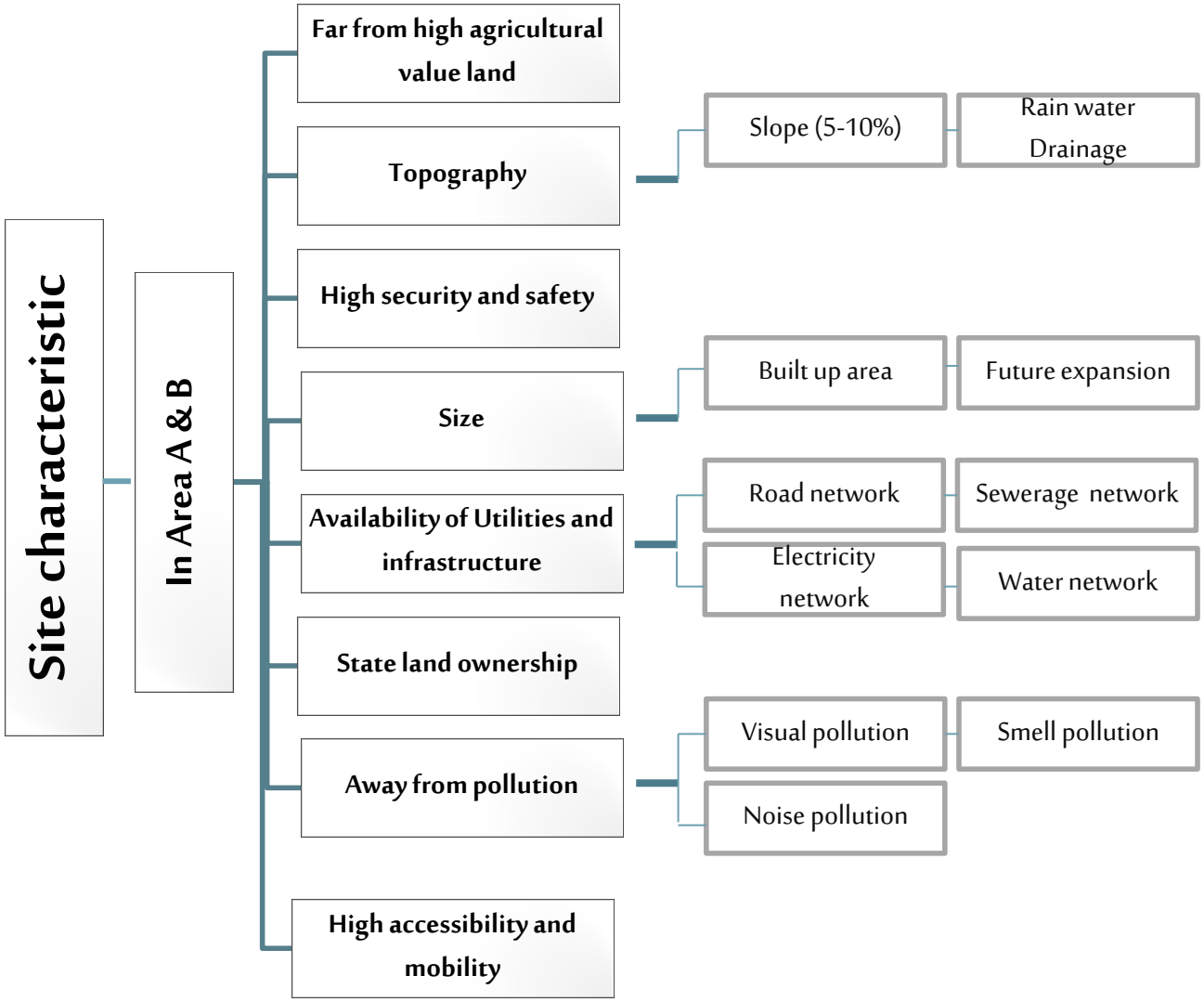
TUBAS GOVERNORATE

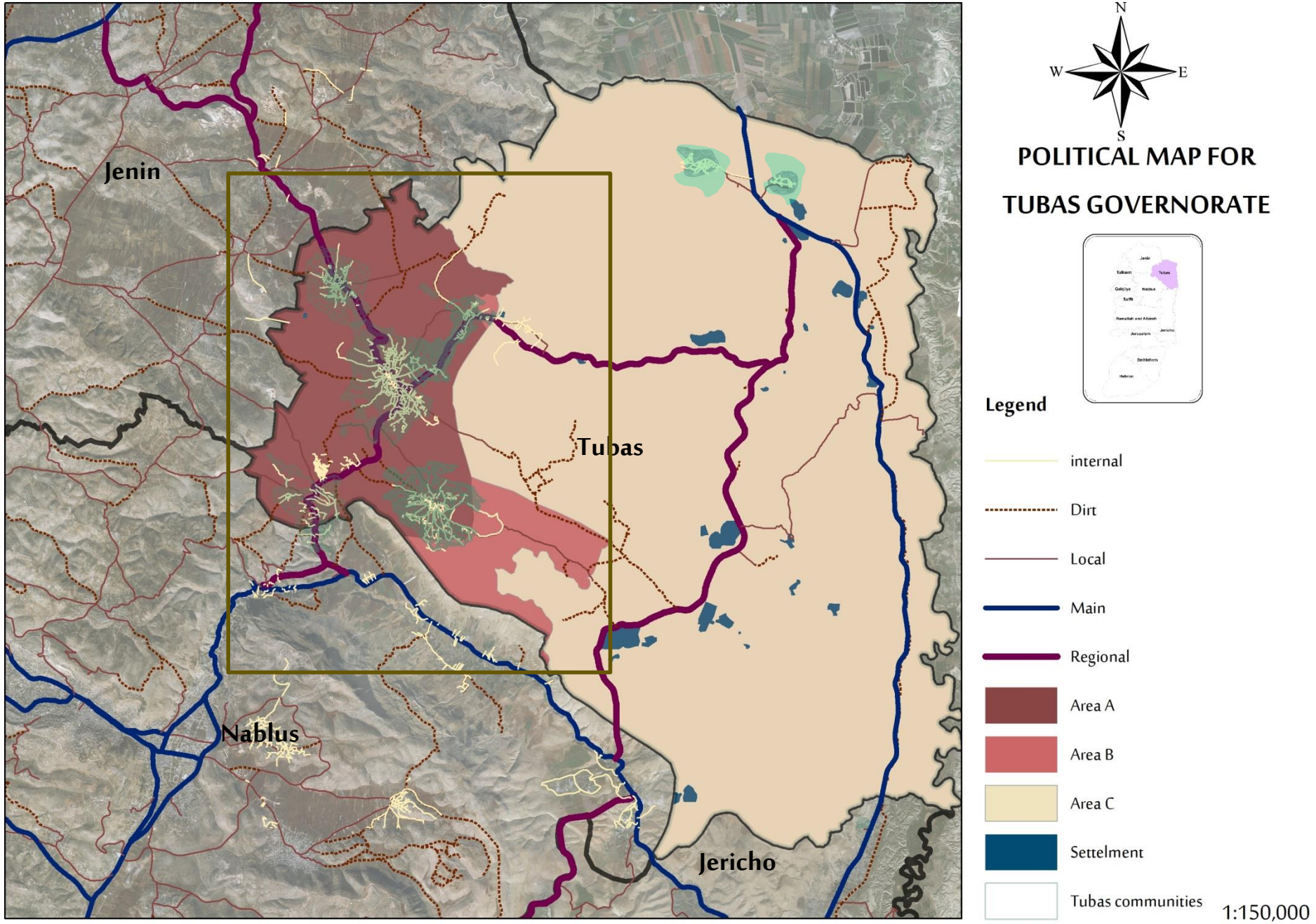
Legend

- internal
- Dirt
- Local
- Main
- Regional
- Area A
- Area B
- Area C
- Settelment
- Natural reserve
- Biodiversity
- High Agricaltural Value
- Middle Agricaltural Value
- Low Agricaltural Value
- forests
- Tubas communities

1:150,000

Site selection :




N
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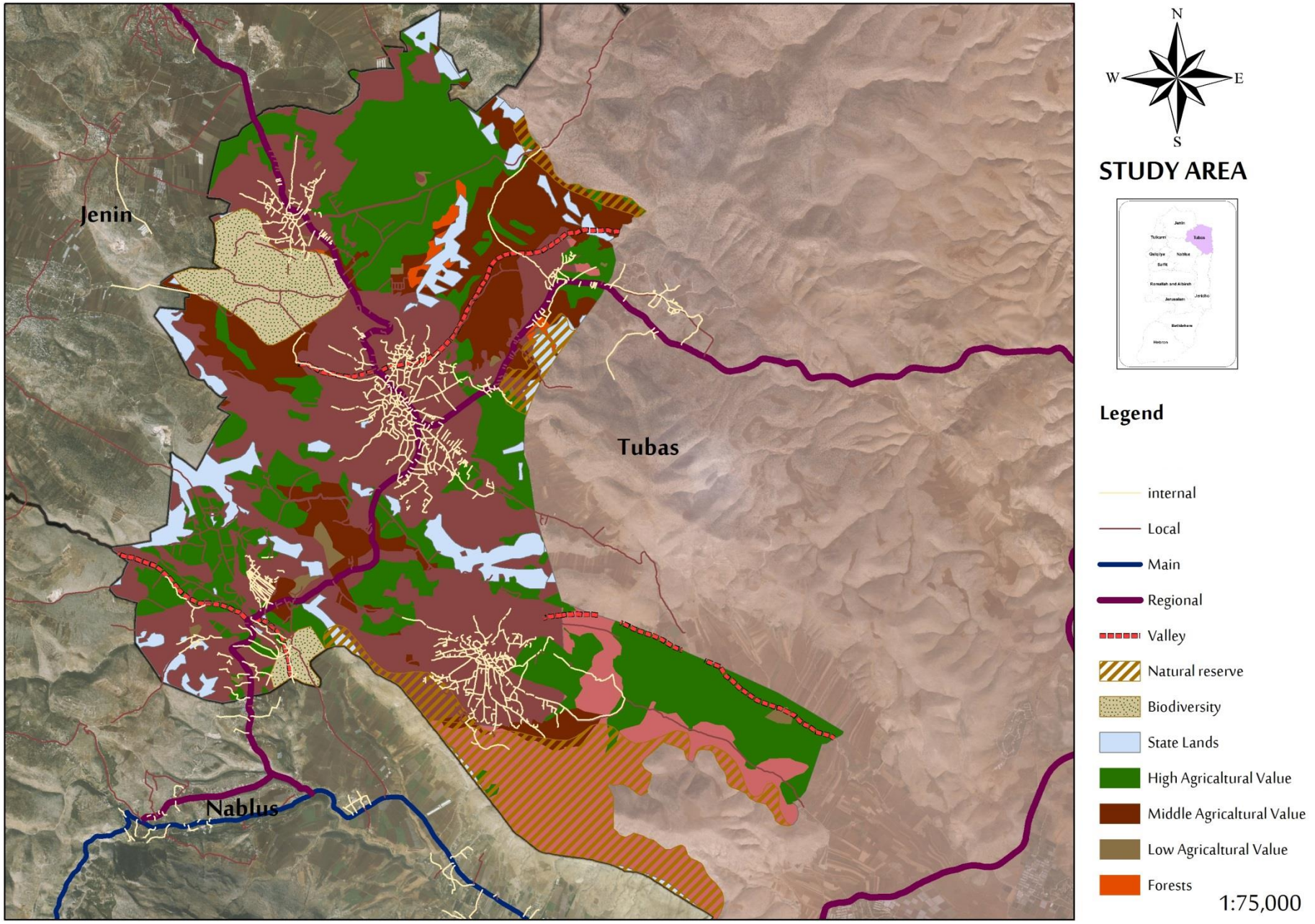
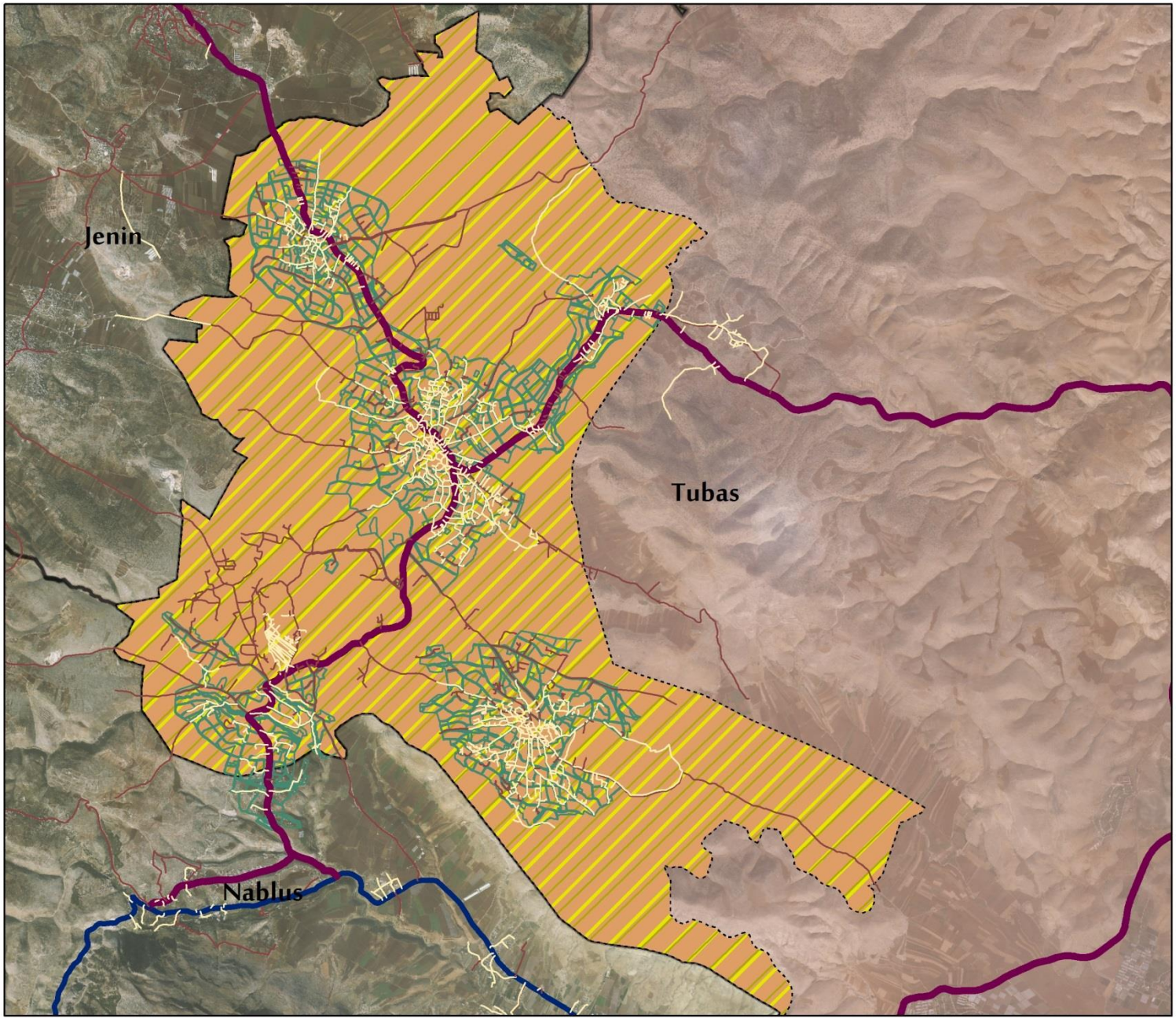
POLITICAL MAP FOR
TUBAS GOVERNORATE
Legend
internal
Dirt
Local
Main
Regional
Area A
Area B
Area C
Settelment
Tubas communities
1:150,000
Jenin
Tubas
Nablus
Jericho


Jenin
Tubas
Nablus
N
W
E
S
STUDY AREA
Legend
internal
Local
Main
Regional
Valley
Natural reserve
Biodiversity
State Lands
High Agricaltural Value
Middle Agricaltural Value
Low Agricaltural Value
Forests
1:75,000



N
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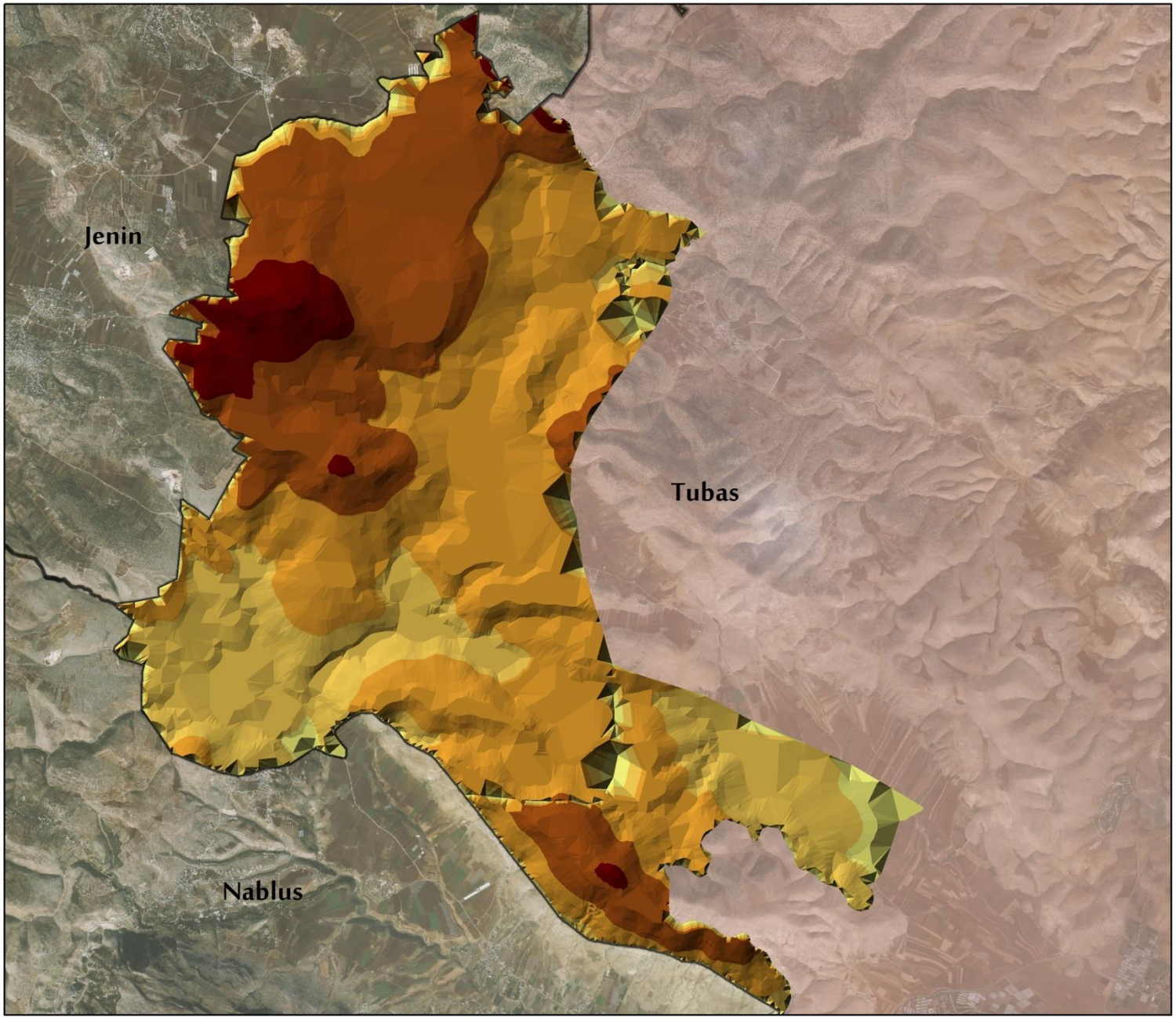
INFRASTRUCTURE MAP

Legend

- internal
- Local
- Main
- Regional
- water network
- electricity network
- No sewerage network
- Tubas communities

1:75,000



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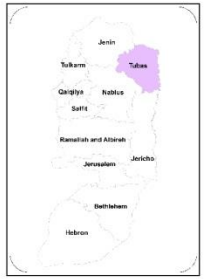
TOPOGRAPHIC MAP

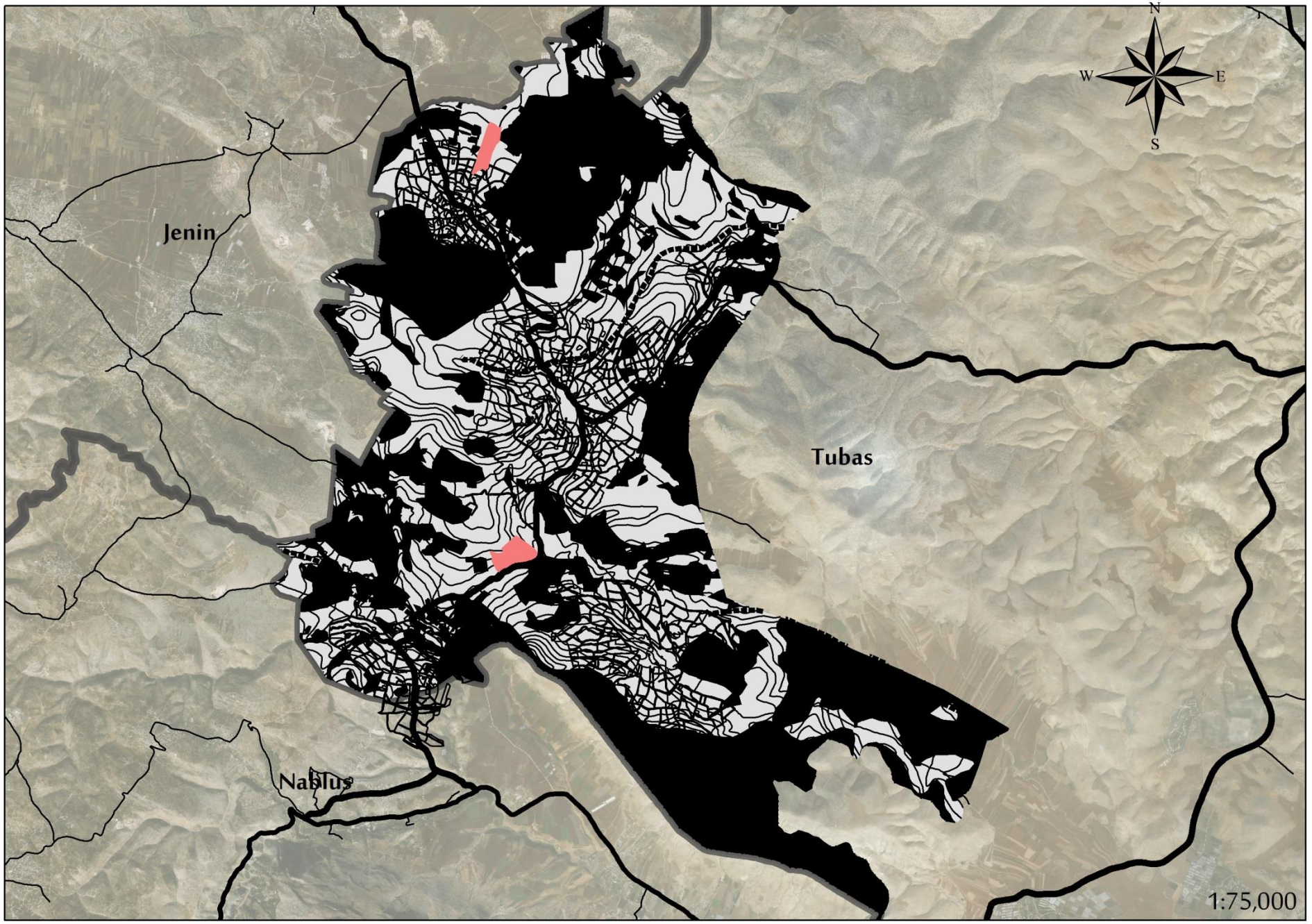


Legend

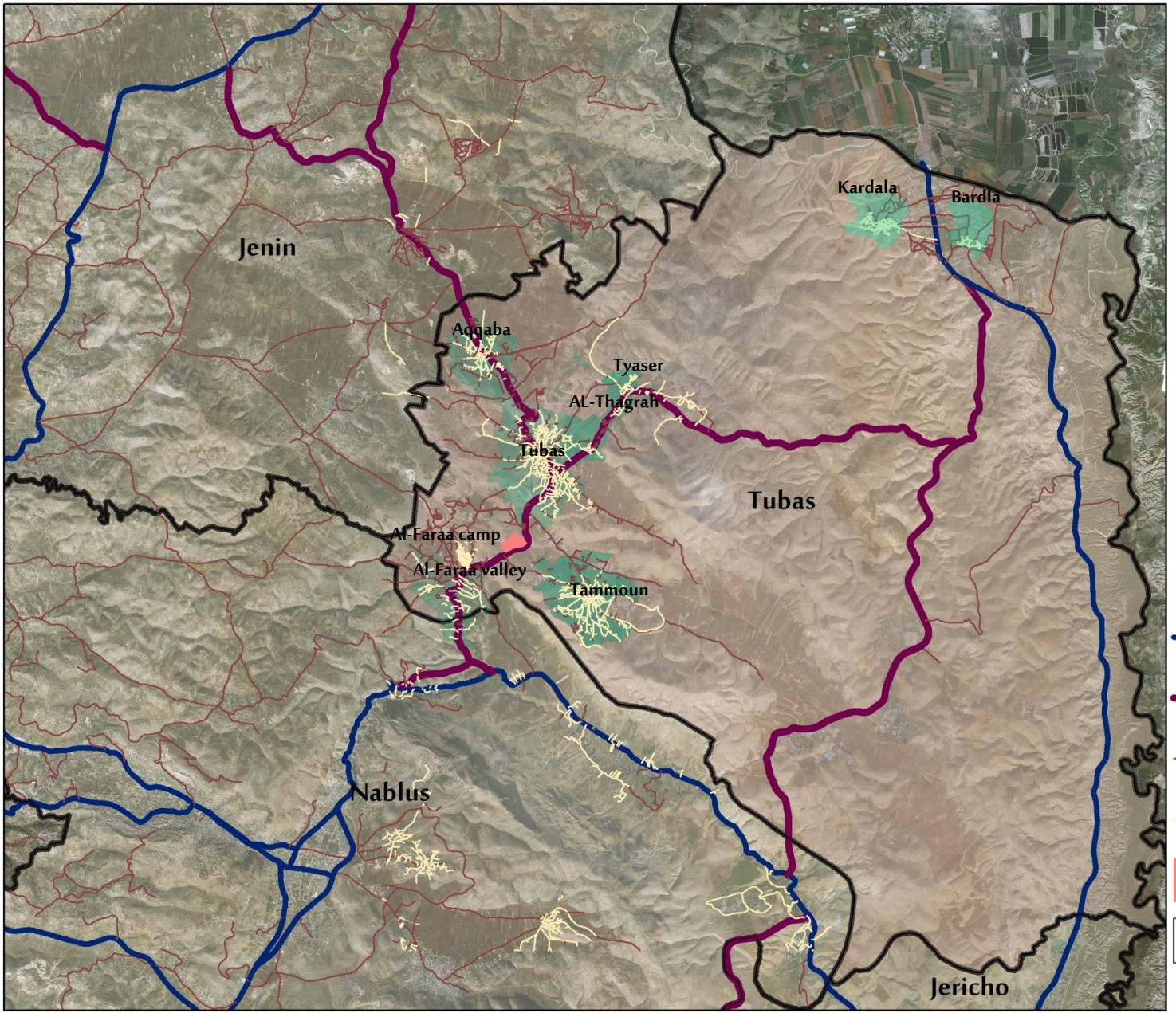
Elevation

- 540 - 675
- 405 - 540
- 270 - 405
- 135 - 270
- 0 - 135

1:75,000


N
W
E
S
Jenin
Tubas
Nablus
1:75,000

Site 1 analysis:



REGIONAL MAP

FOR LAND 1

Legend

Main

Regional

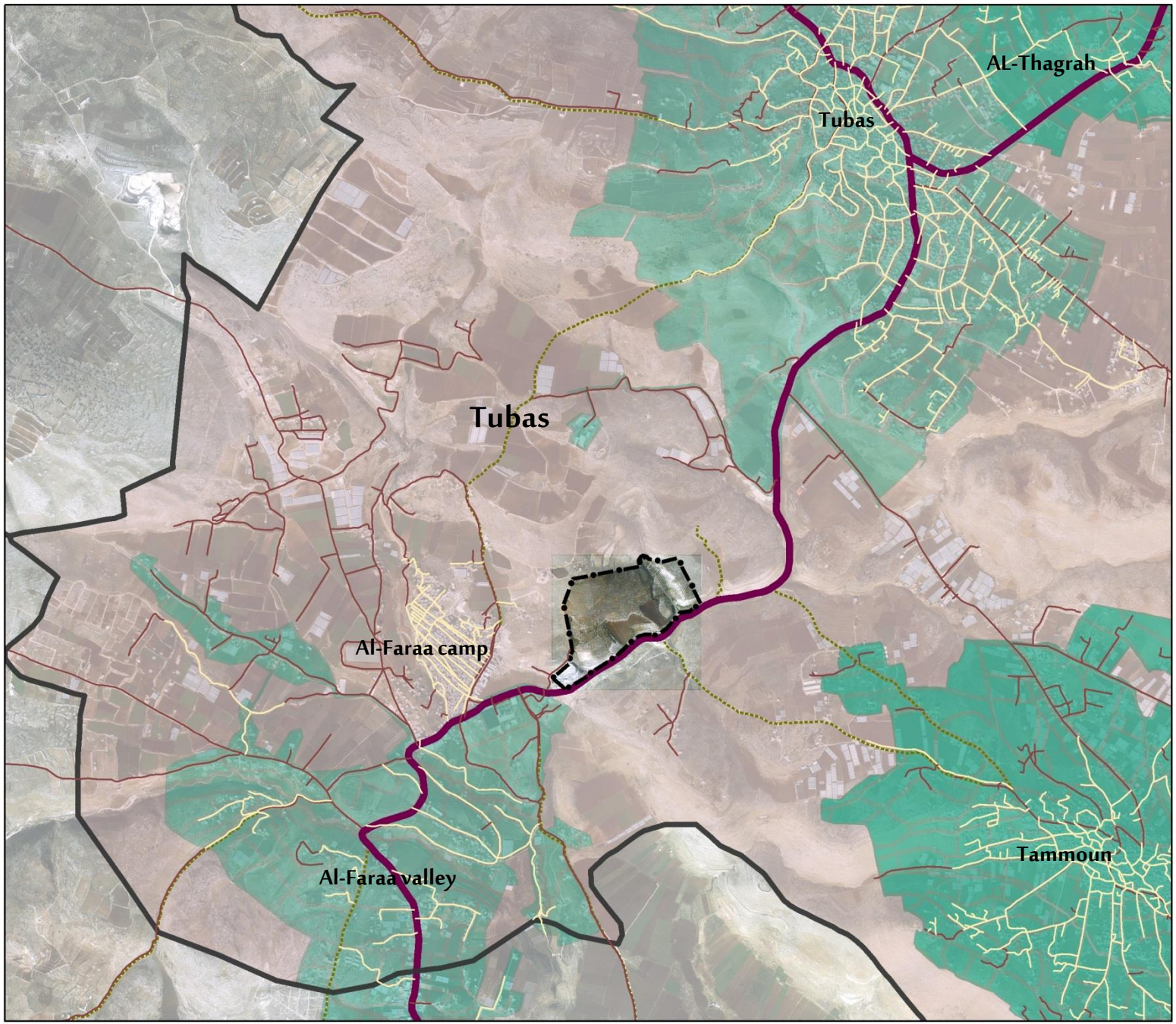
Local

internal

Land 1

Governorate WestBank

1:150,000



N
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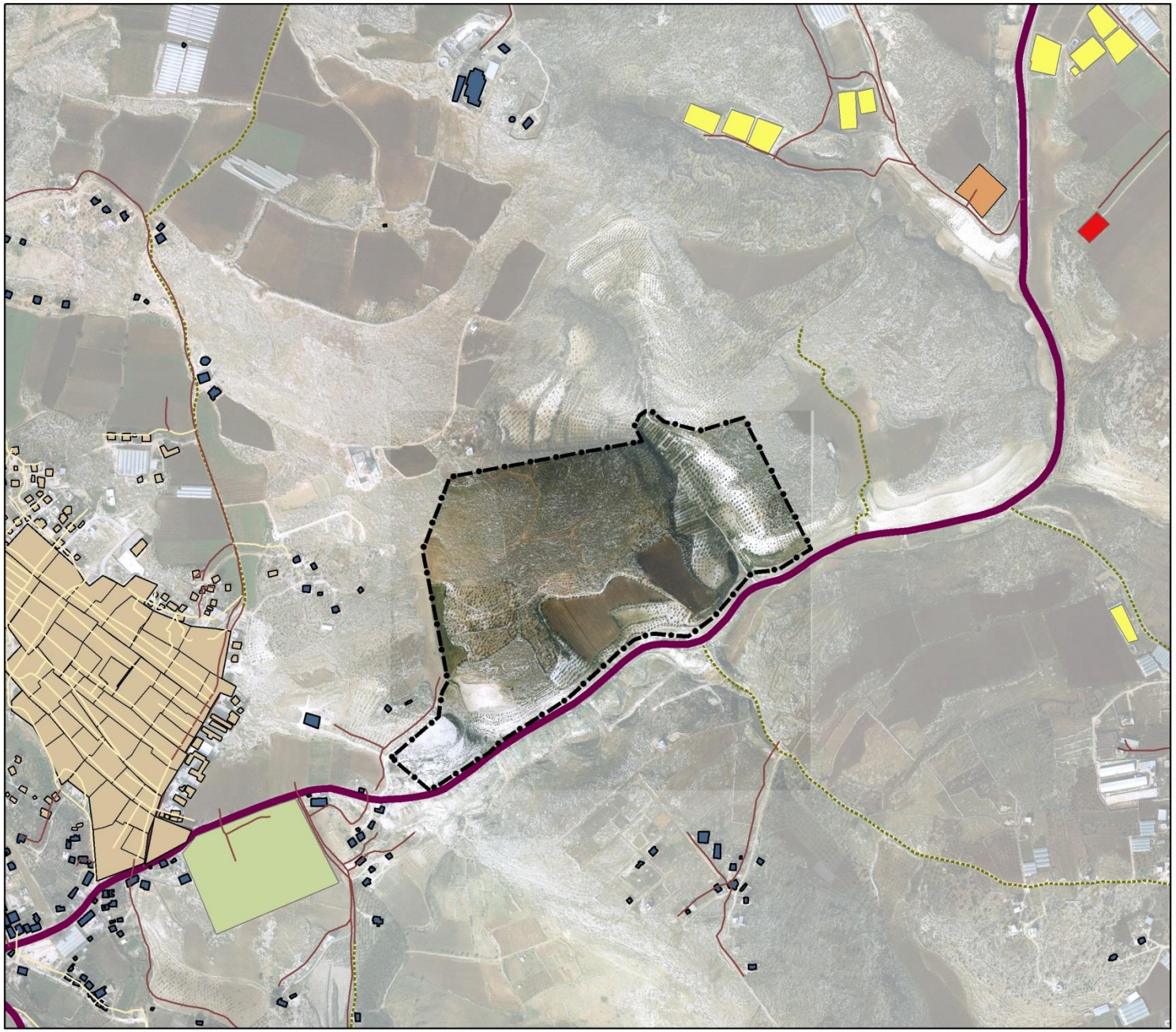
LOCAL MAP FOR LAND 1

Legend

- internal
- Dirt
- Local
- Main
- Regional
- Land 1
- Tubas communities

1:28,000



N

W E

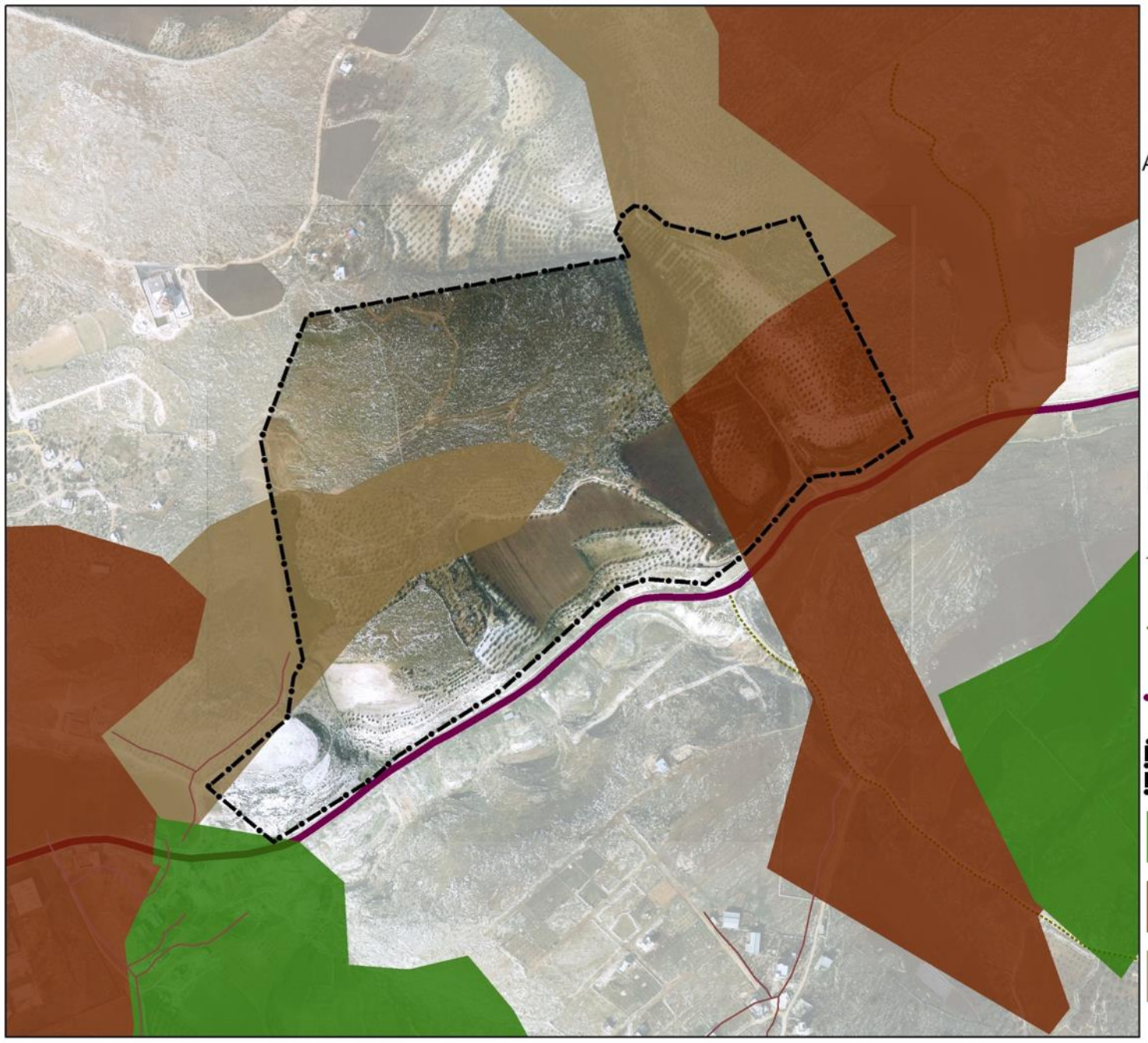
S

BUILDING USE MAP FOR LAND 1

Legend

- Play ground
- company
- Green houses
- Vegetable shop
- Al-Faraa Camp
- Residential building
- Land 1

1:10,000


N
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E
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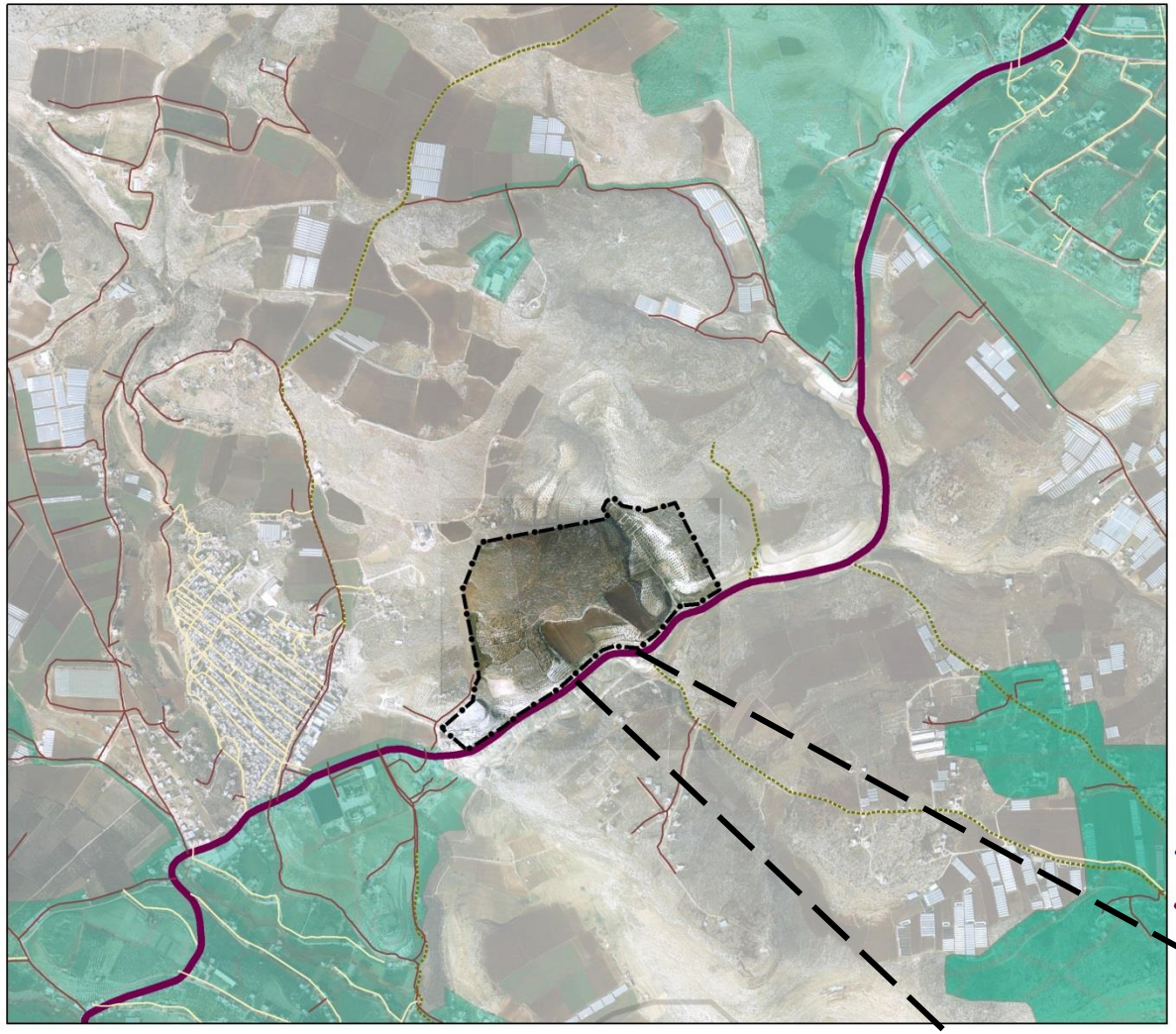
AGRICULTURE CLASSIFICATION
MAP FOR LAND 1
Legend
Local
Dirt
Regional
Land 1
High Agricaltural Value
Middle Agricaltural Value
Low Agricaltural Value
1:6,000



N
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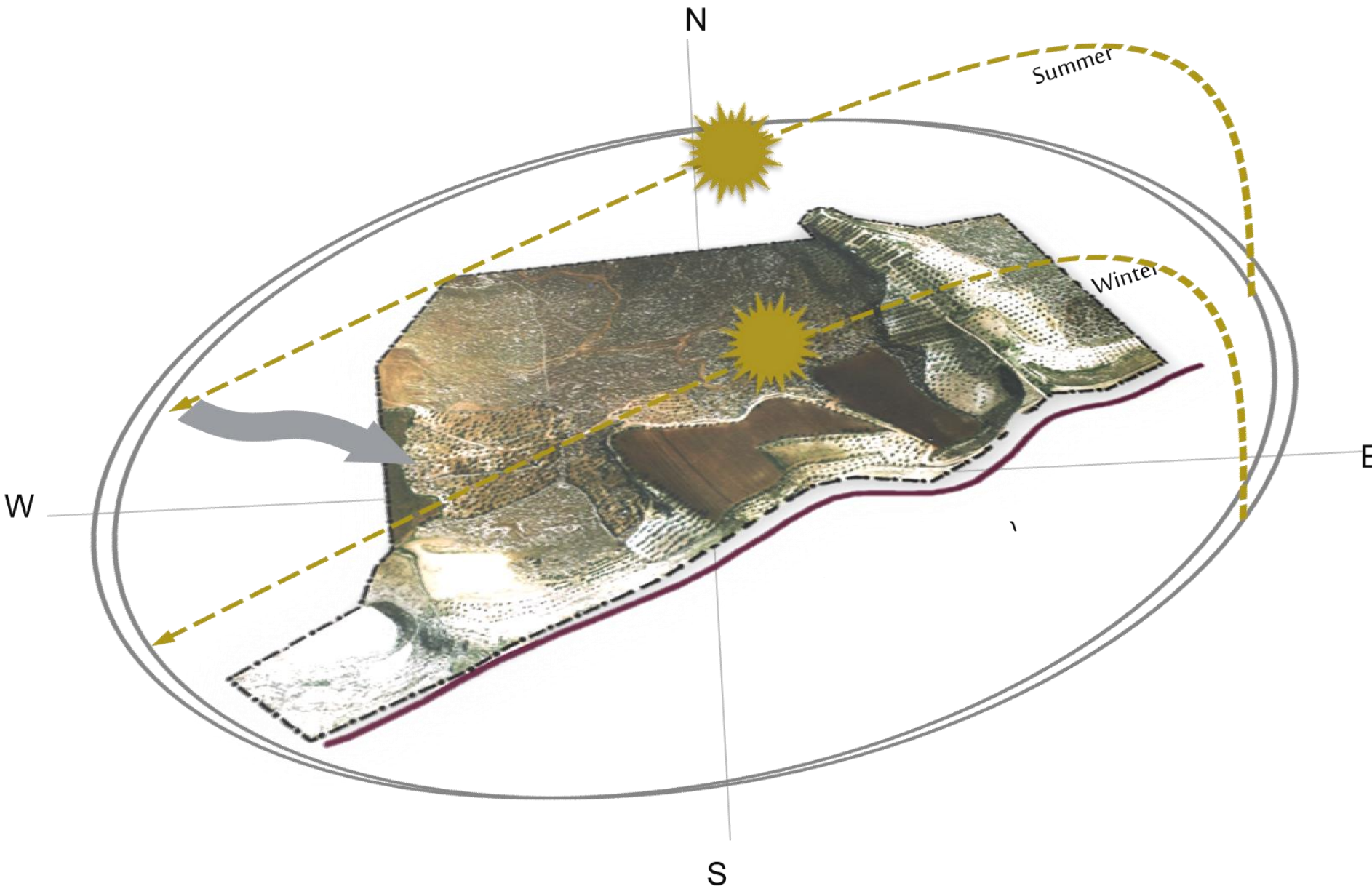
ROAD MAP FOR

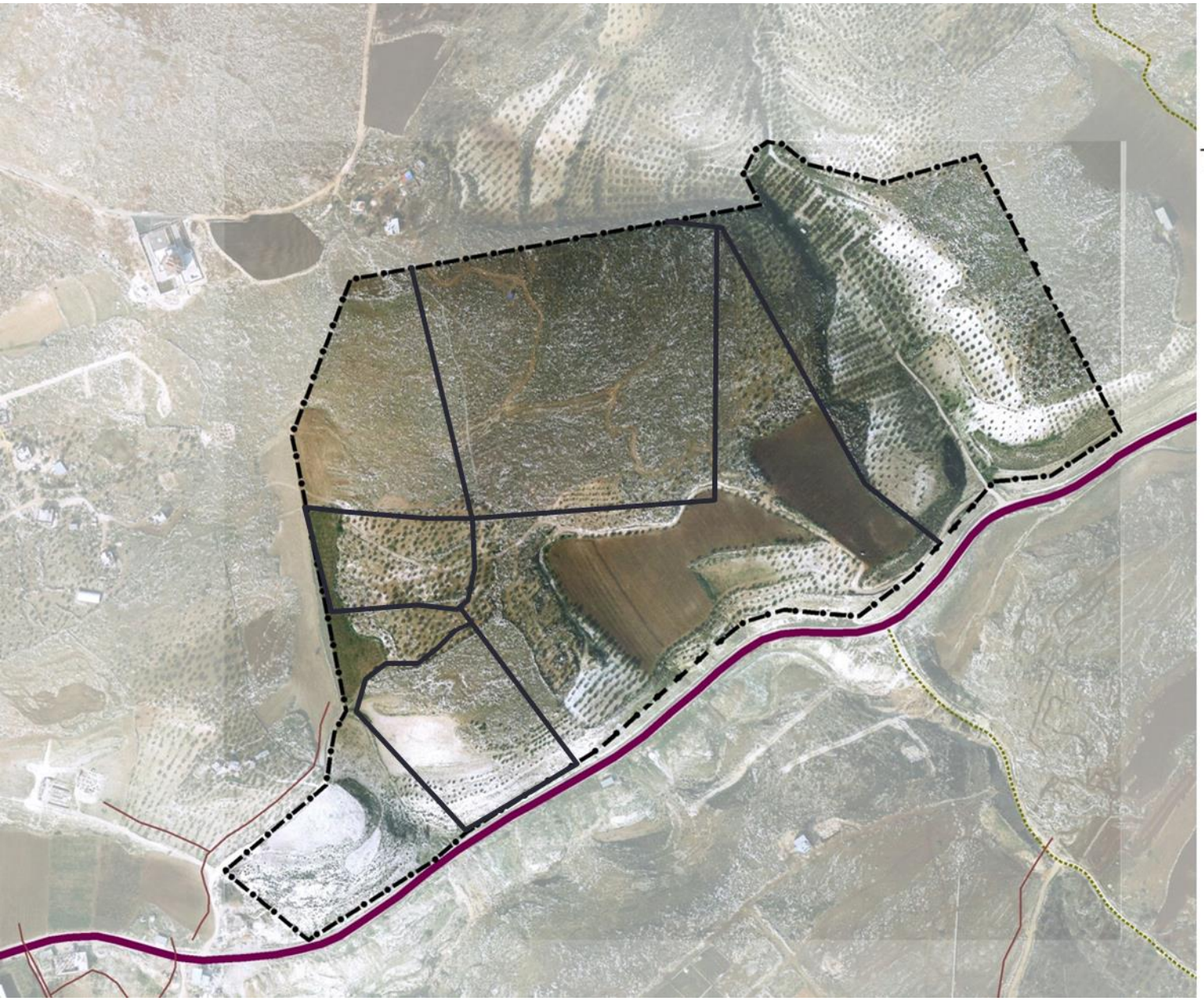
LAND 1

Legend

- internal
- Dirt
- Local
- Main
- Regional
- Tubas communities

1:15,000


N
Summer
Winter
W
E
S



N
W
E
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THE NUMBER OF PARCELS

IN LAND 1

Legend

Parcels

Land 1

1:4,000

N
W E
S

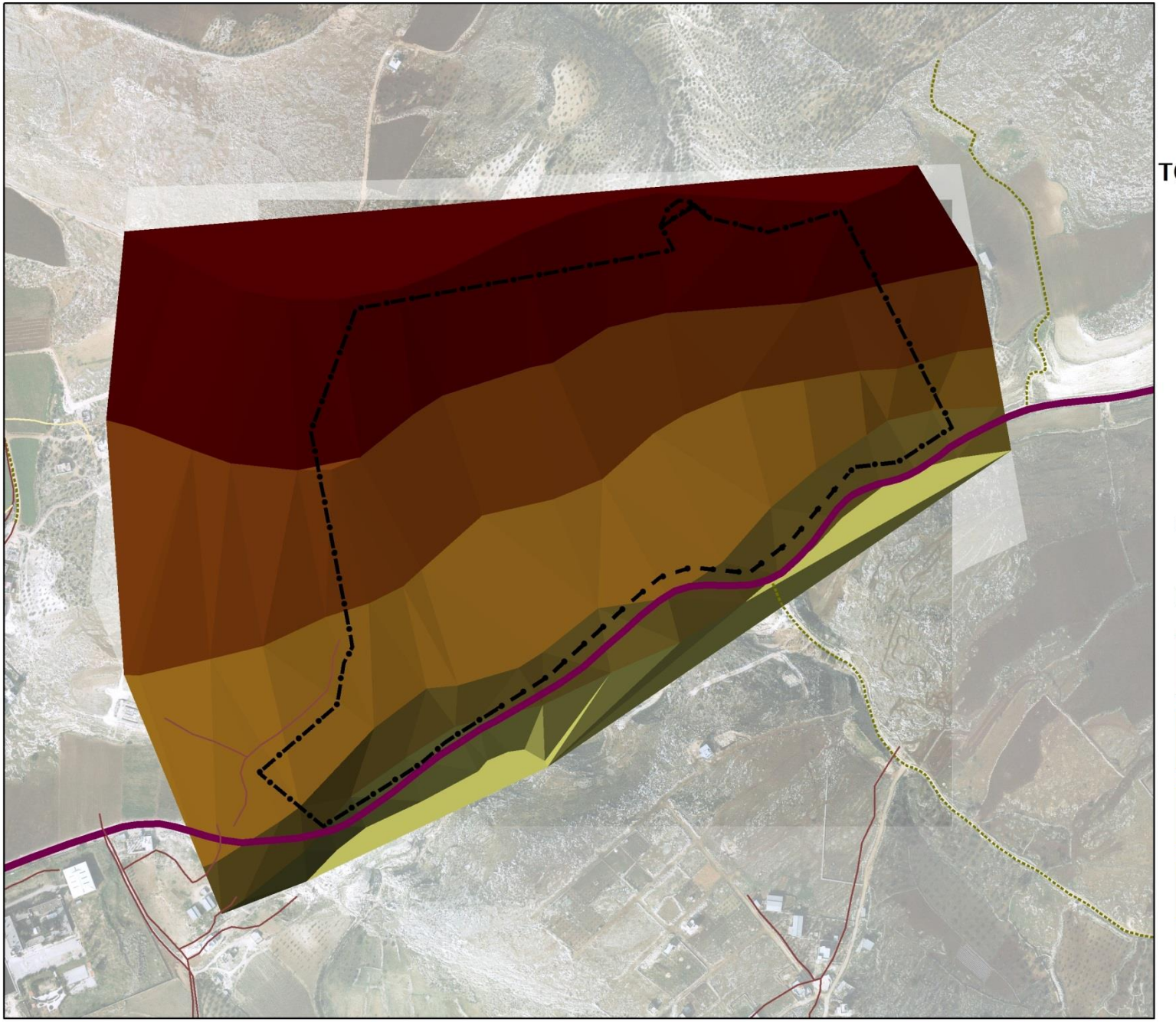
VISUAL ASPECT FOR LAND 1

Legend

Land 1

Best view

1:4,000



N
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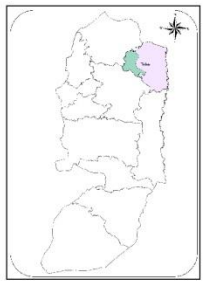
TOPOGRAPHIC MAP FOR LAND 1

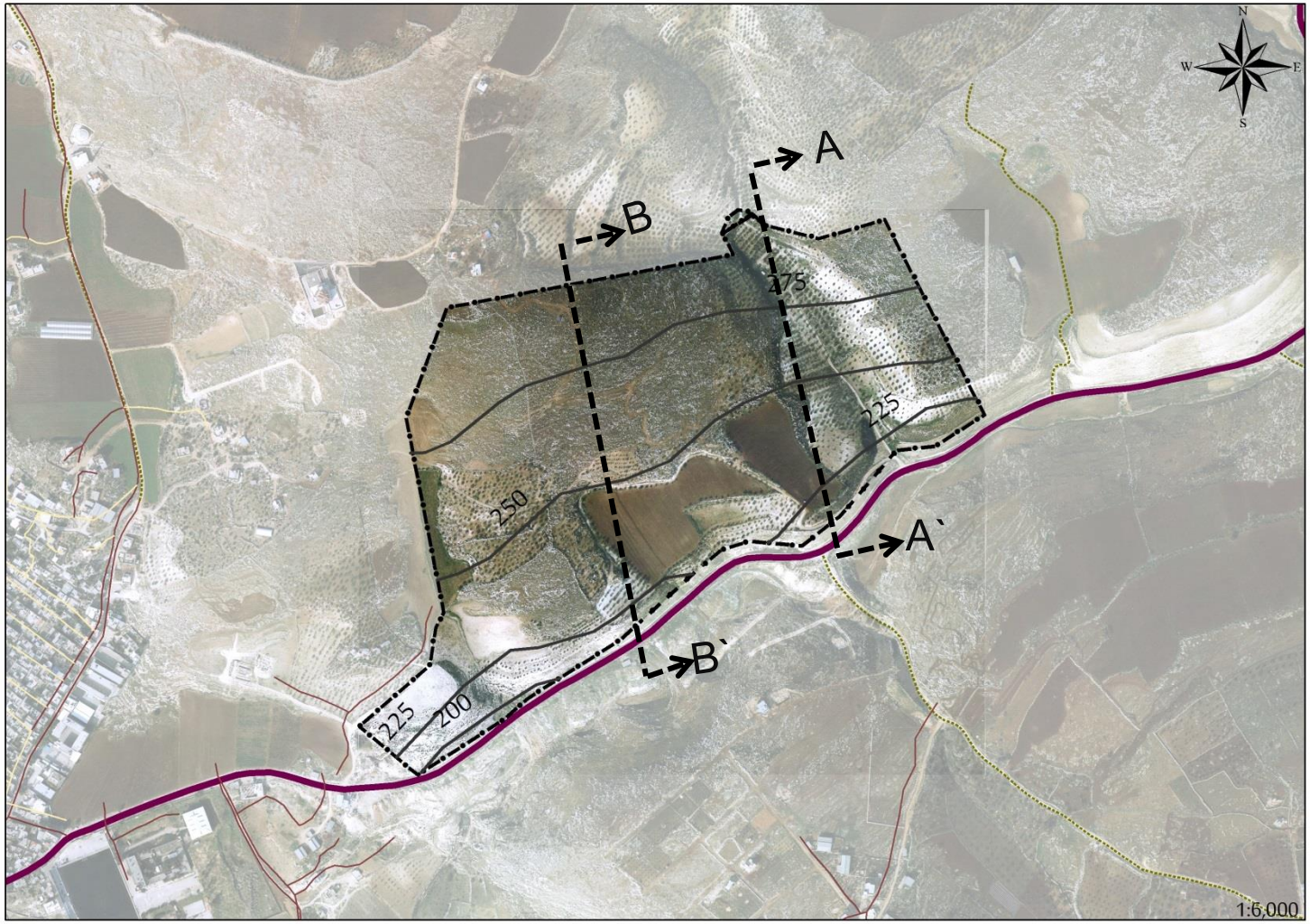


Legend

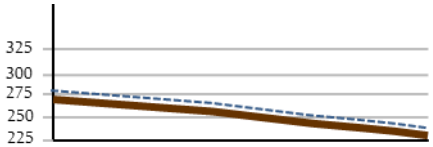
Elevation

- 275 - 300
- 250 - 275
- 225 - 250
- 200 - 225
- 175 - 200

1:6,000

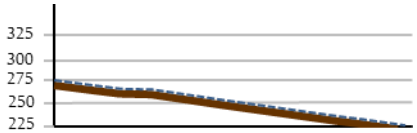


Section B-B`

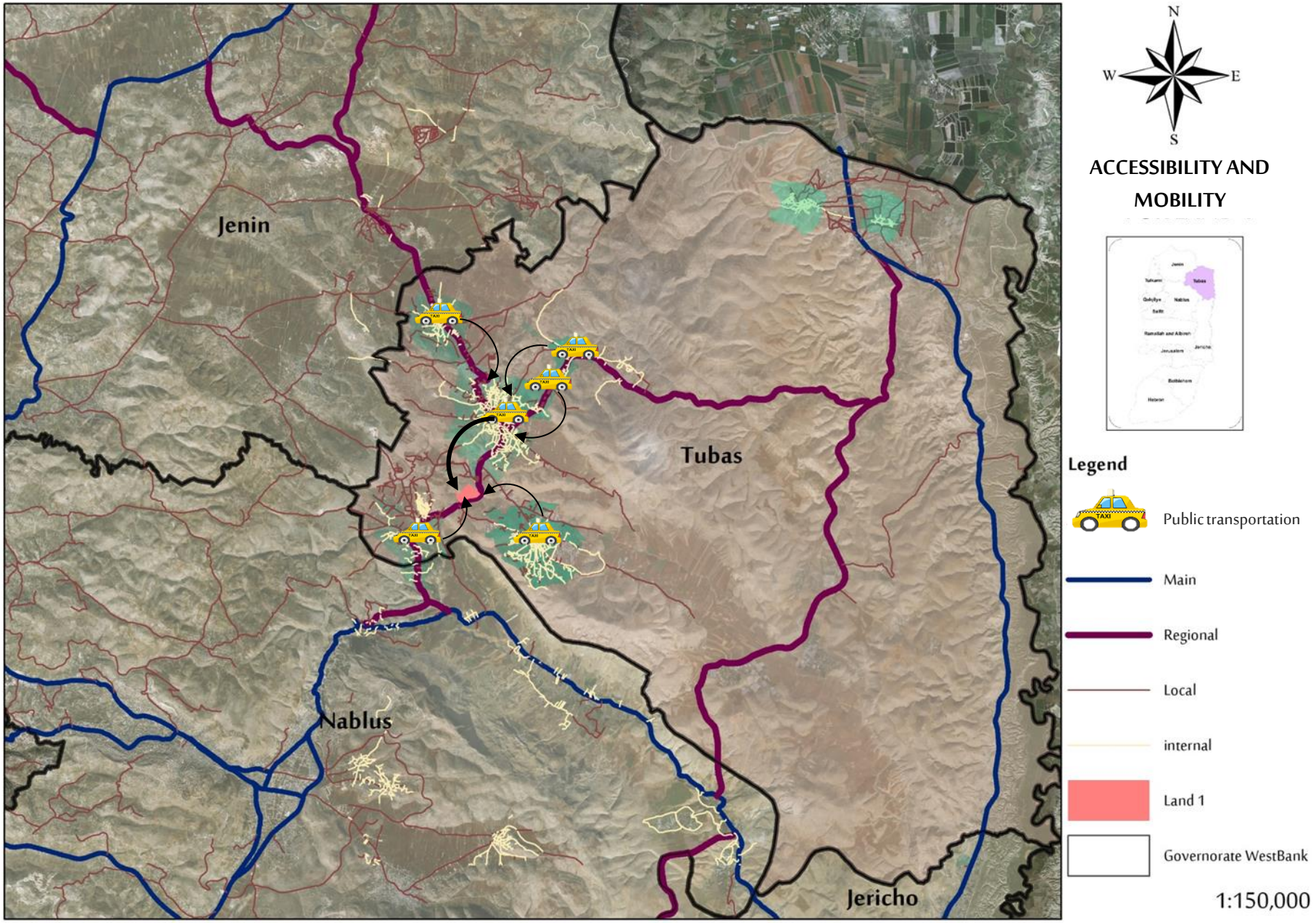


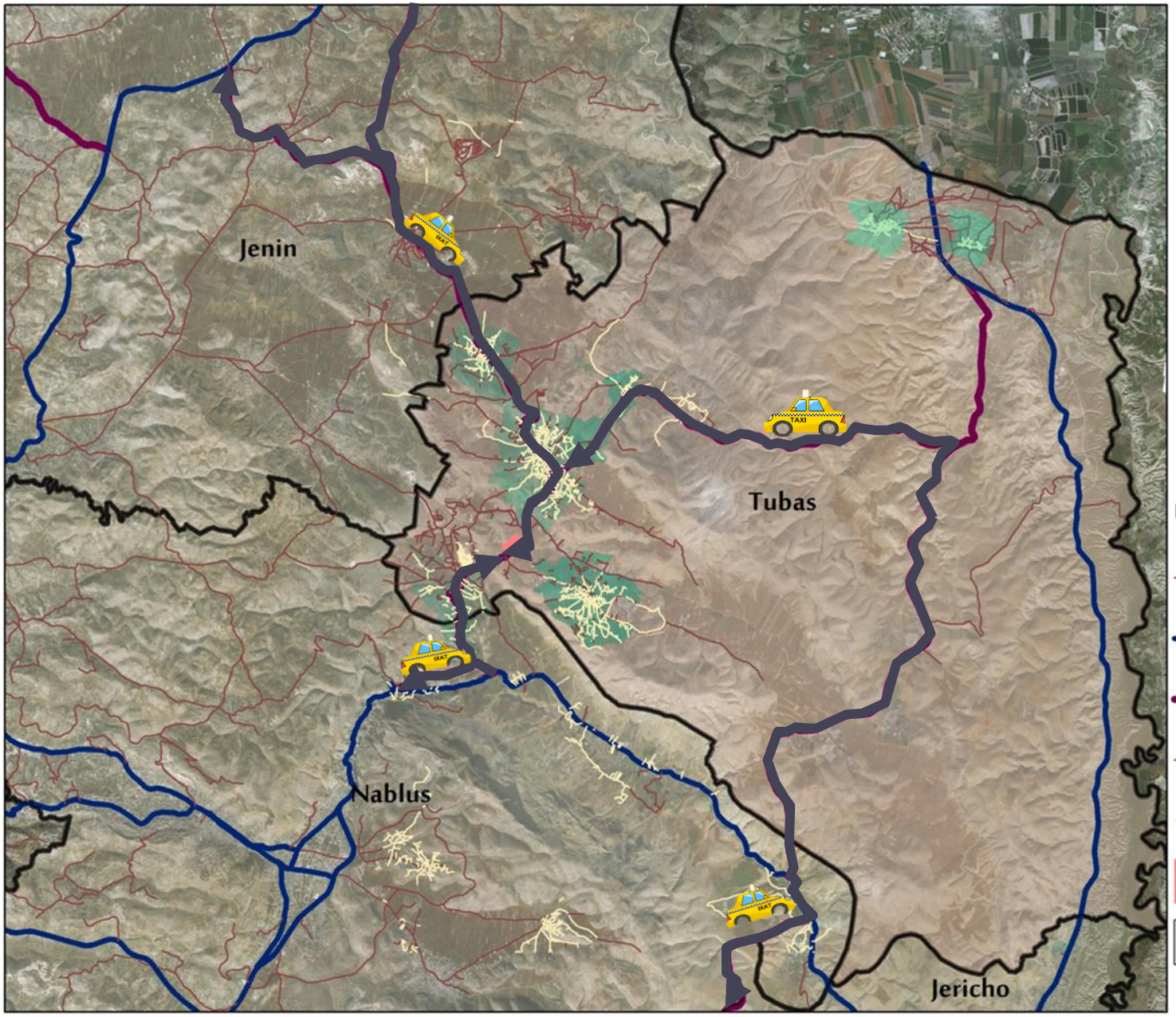
SLOPE : 6.6%

Section A-A`



SLOPE : 5.5%


N
W
E
S
ACCESSIBILITY AND MOBILITY
Jenin
Tubas
Nablus
Jericho
Legend
Public transportation
Main
Regional
Local
internal
Land 1
Governorate WestBank
1:150,000



N
W
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ACCESSIBILITY AND MOBILITY FOR LAND 1

Legend

- Local
- Main
- Regional
- Local
- internal
- Land 1
- Governorate WestBank

1:150,000

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NOISE POLLUTION MAP

FOR LAND 1

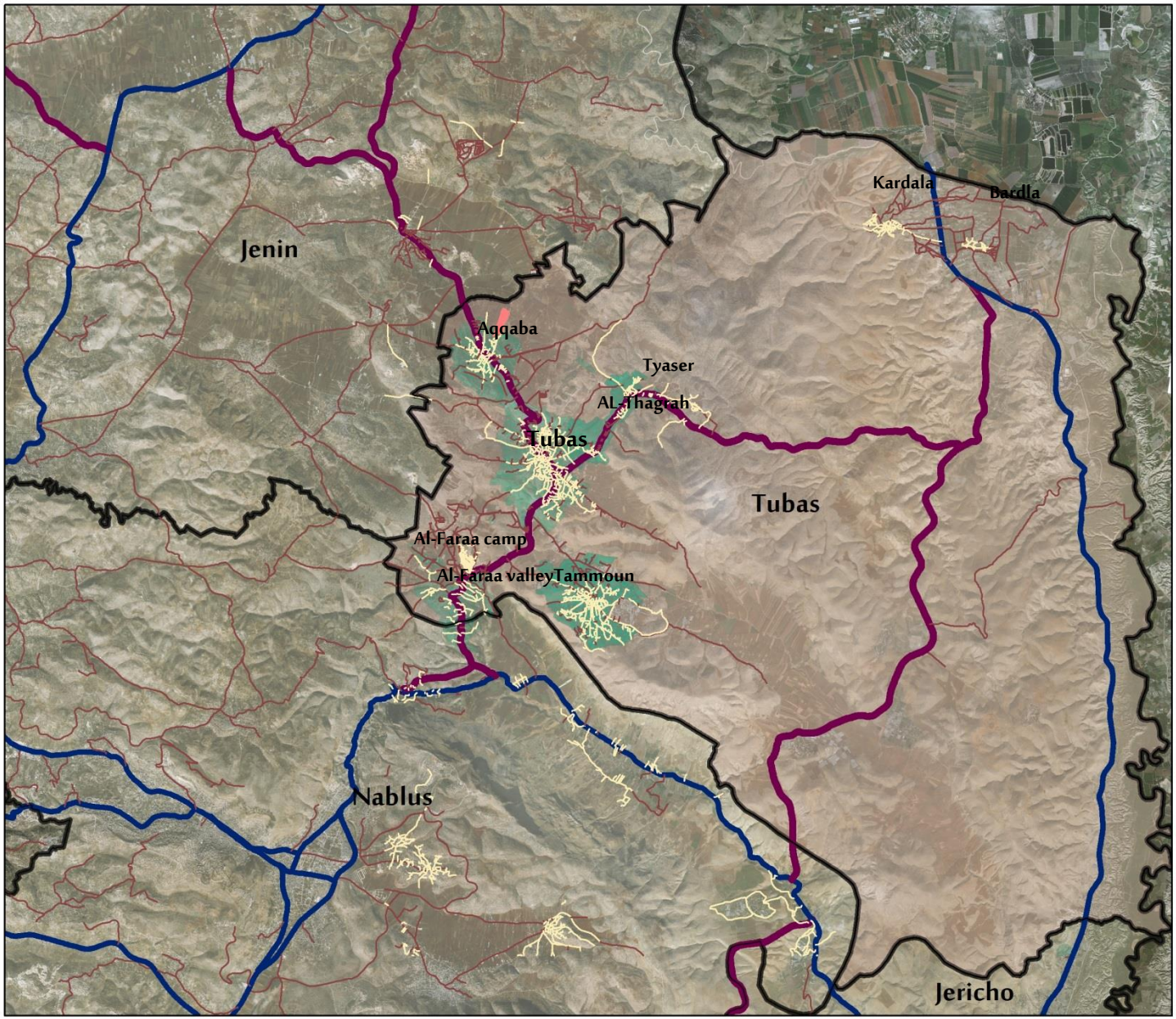
Legend

Land 1

Noise & air pollution buffer

1:6,000

Site 2 analysis :



REGIONAL MAP

FOR LAND 2

Legend

Local

internal

Local

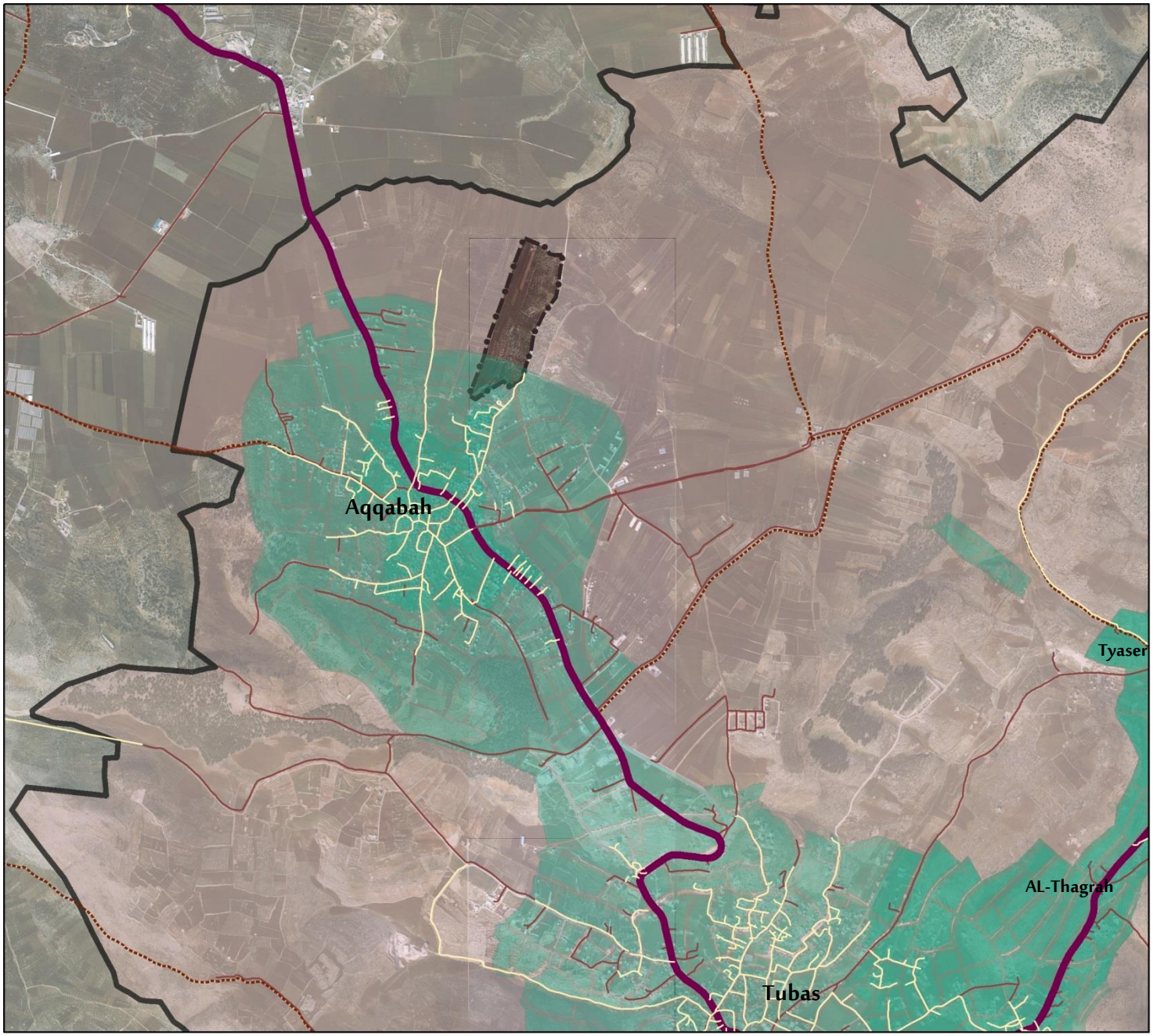
Main

Regional

Land 2

Governorate WestBank

1:150,000



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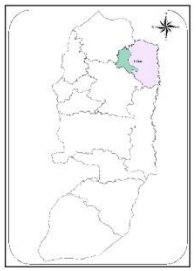
S

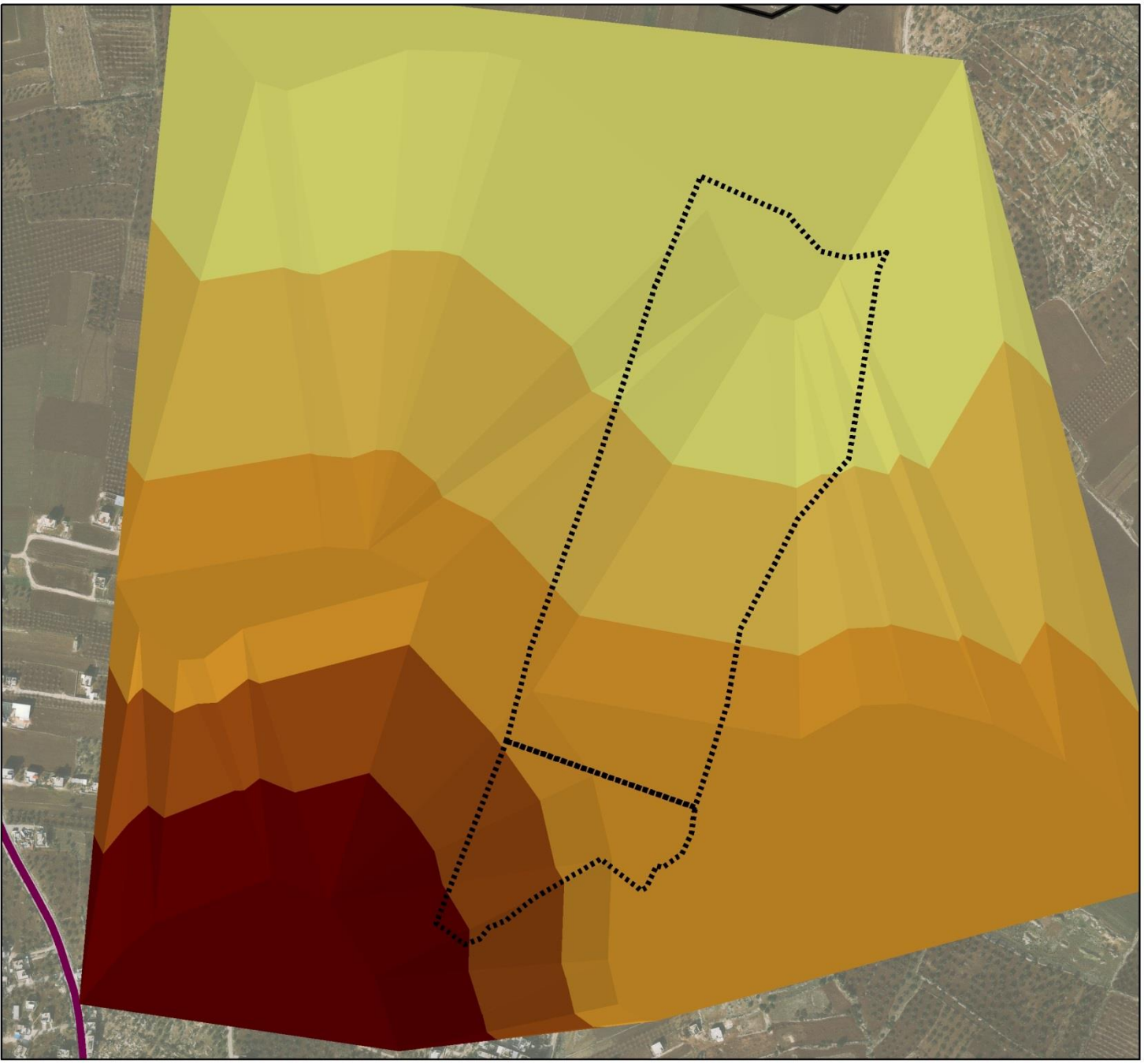
LOCAL MAP FOR LAND 2



Legend

- internal
- Dirt
- Local
- Main
- Regional
- Tubas communities

1:28,000



N

W E

S

NOISE POLLUTION

Legend

Regional

Land 2

Elevation

440 - 450

430 - 440

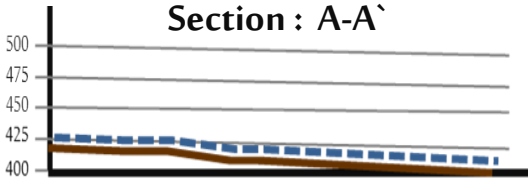
420 - 430

410 - 420

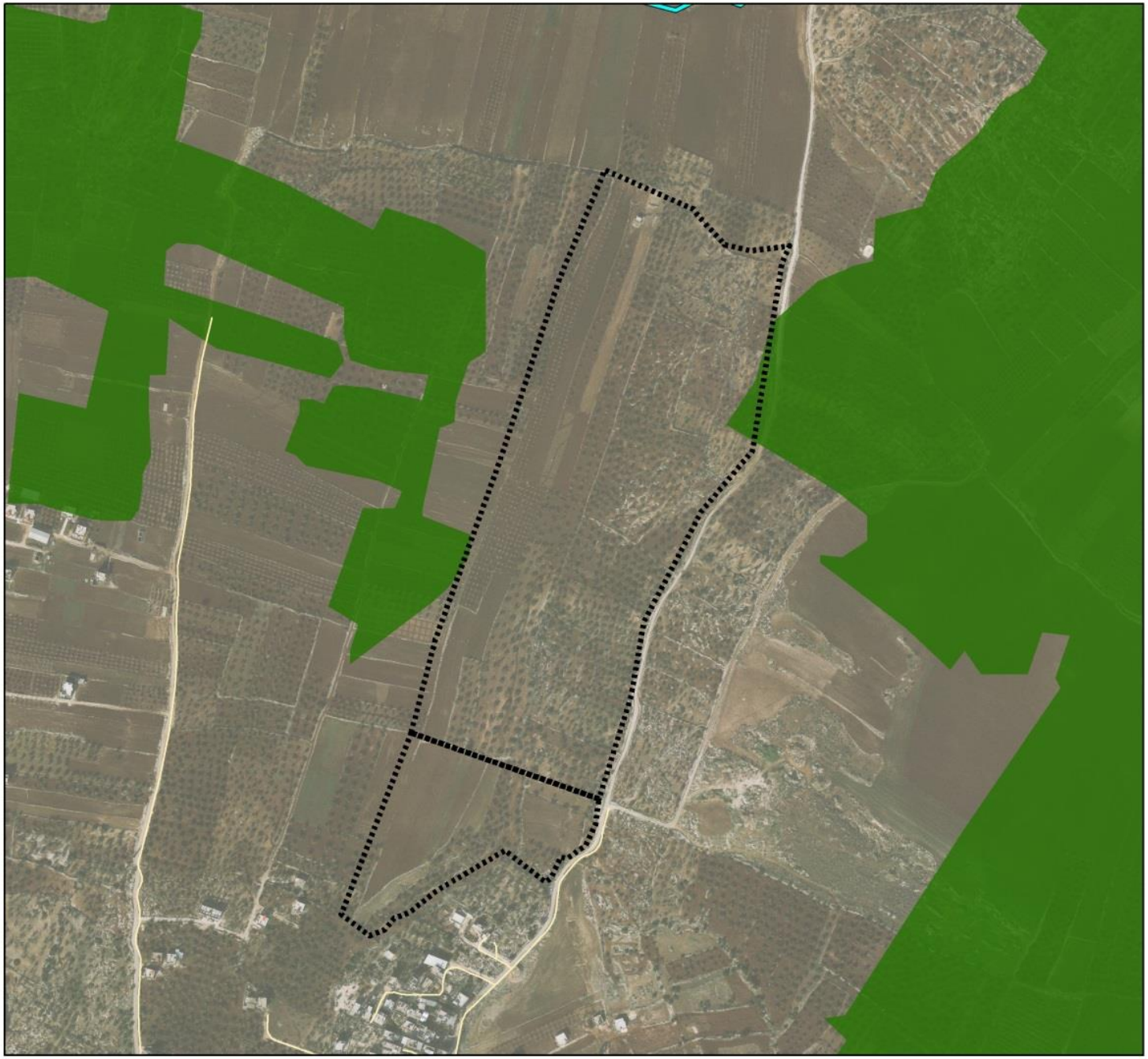
400 - 410

1:6,000

SLOPE



Slope : 2.5%



N

W E

S

AGRICULTURE MAP FOR LAND 2

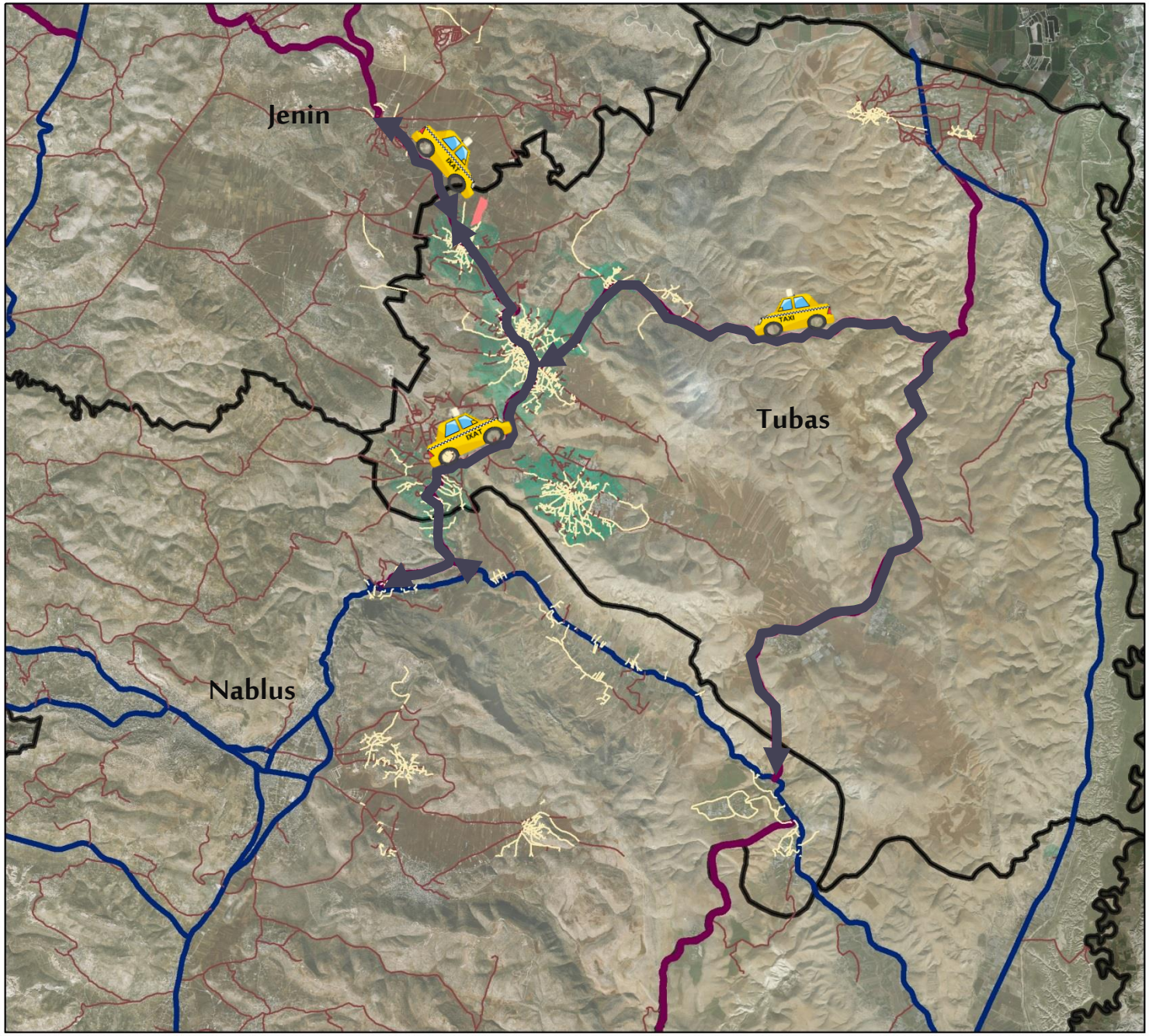
Legend

internal

Land 2

High Agricaltural Value

1:6,000



N
W E
S

ACCESSIBILITY AND MOBILITY FOR LAND 2

Legend

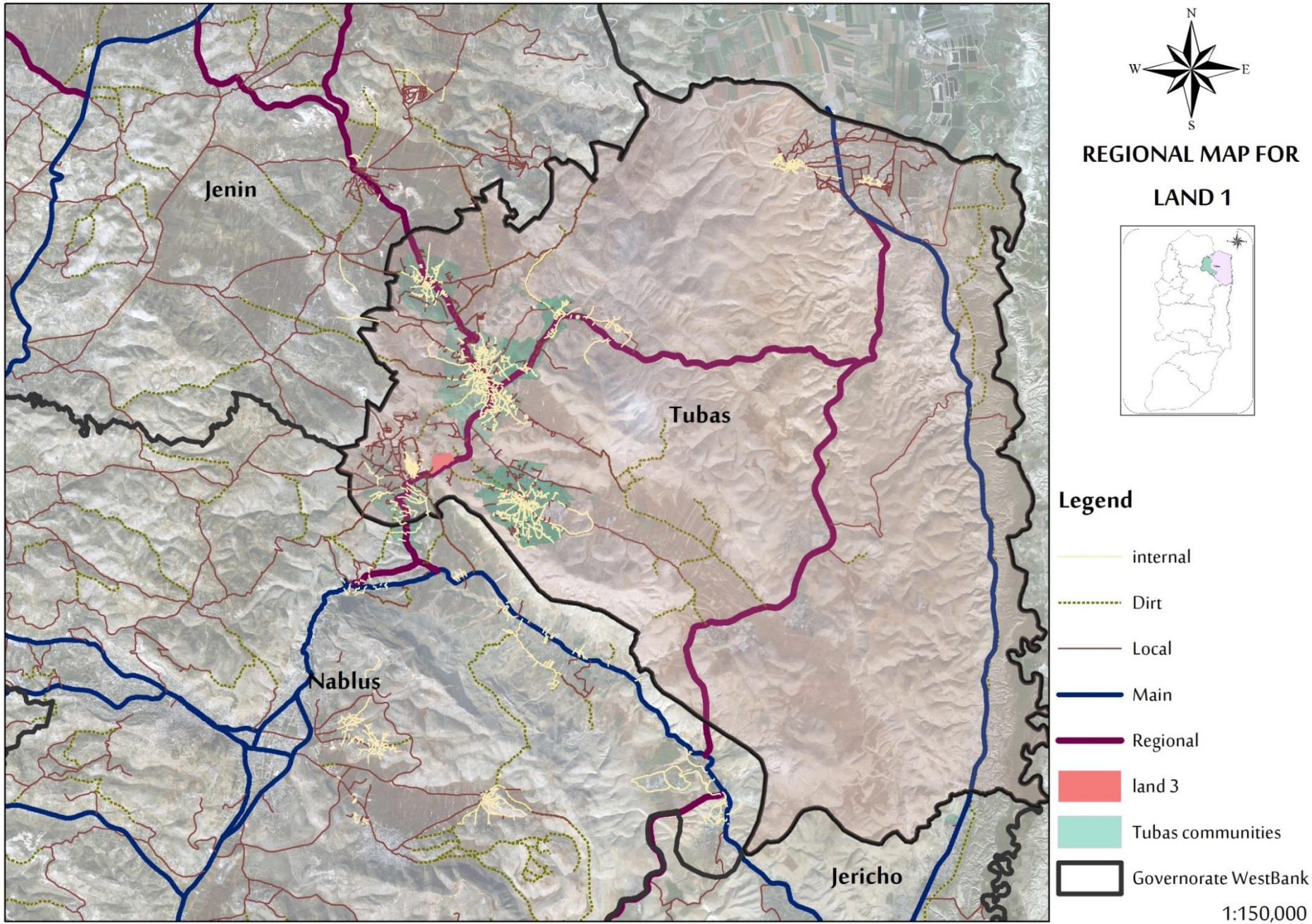
- Public transportation
- internal
- Local
- Main
- Regional
- Land 2
- Governorate WestBank

1:150,000

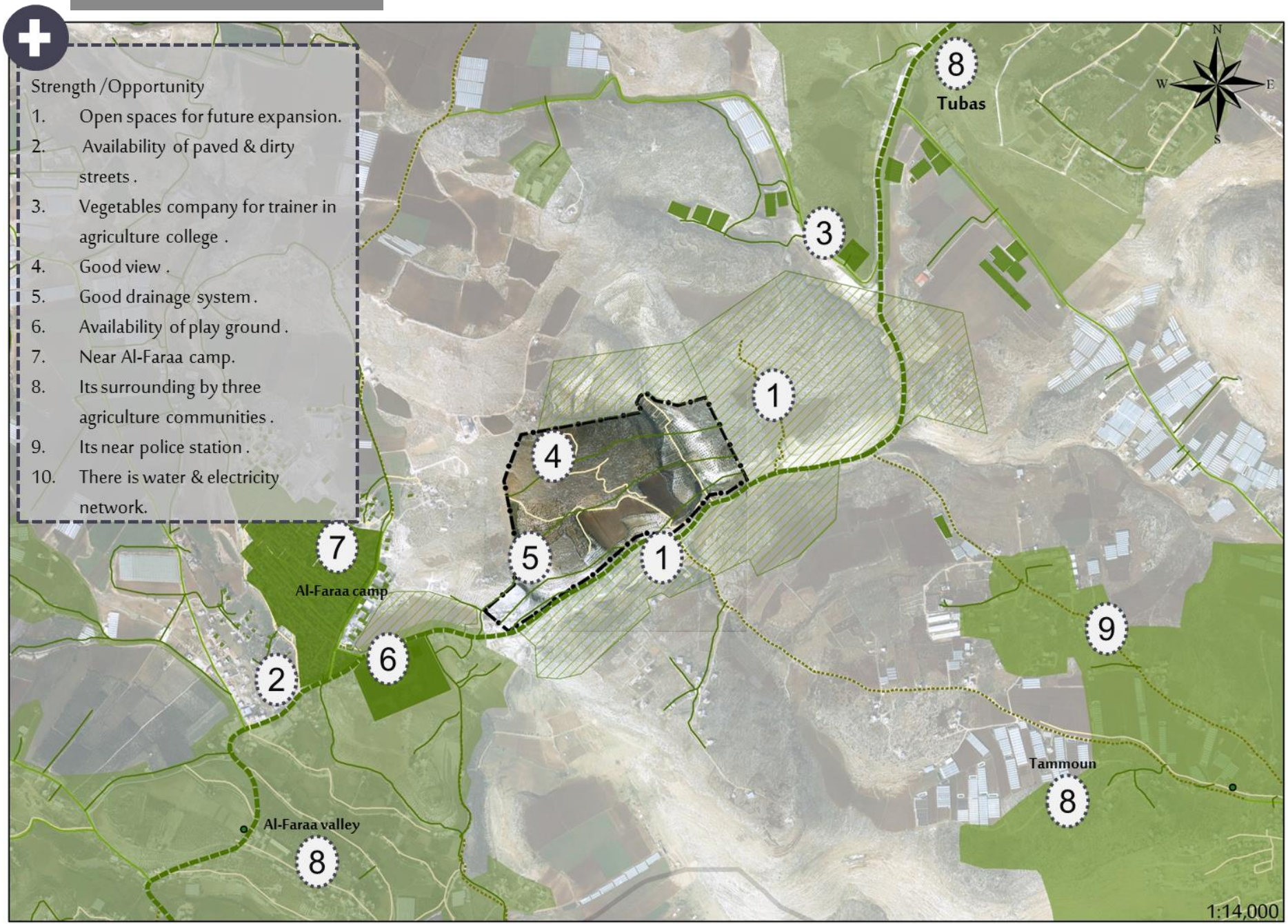
Site analysis evaluation :

Sites / criteria	Wight	Site 1	Site 2
Far from high agricultural value land	3	2	1
Topography and drainage	3	3	1
High security and safety	2	2	3
Size	2	3	1
Availability of utilities and infrastructure	3	2	2
State land ownership	1	1	1
High accessibility and mobility	3	3	2
Away from pollution	1	2	3
Land geology	2	1	1
Total		45	32

The chosen site :



Concept :


Strength /Opportunity
1. Open spaces for future expansion.
2. Availability of paved & dirty streets .
3. Vegetables company for trainer in agriculture college .
4. Good view .
5. Good drainage system .
6. Availability of play ground .
7. Near Al-Faraa camp.
8. Its surrounding by three agriculture communities .
9. Its near police station .
10. There is water & electricity network.
Tubas
Al-Faraa camp
Al-Faraa valley
Tammoun
N
W
E
S
1:14,000

Concept :

Weakness/Threats
1. High agriculture value land near it which restrict the future expansion.
2. The number of the parcels that the land contains .
3. Noise & air pollution from the regional road .
4. There is no sewage network .
N
W
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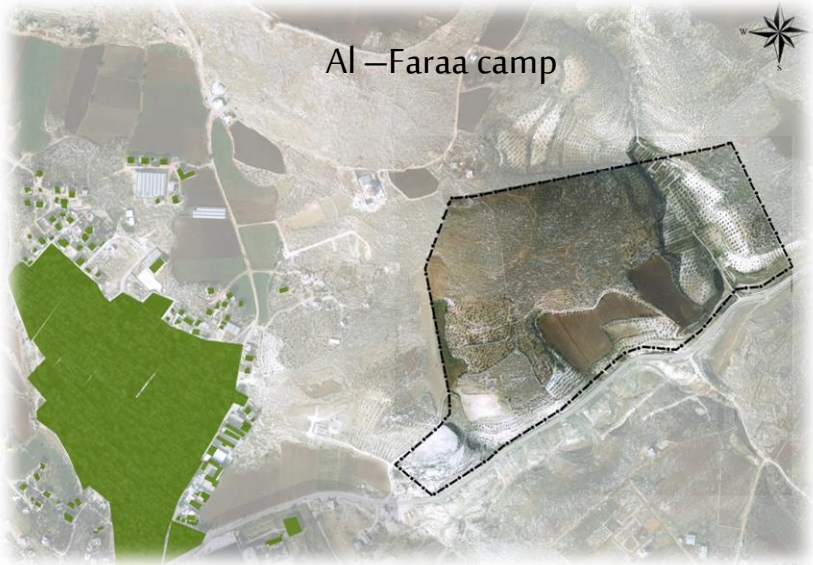
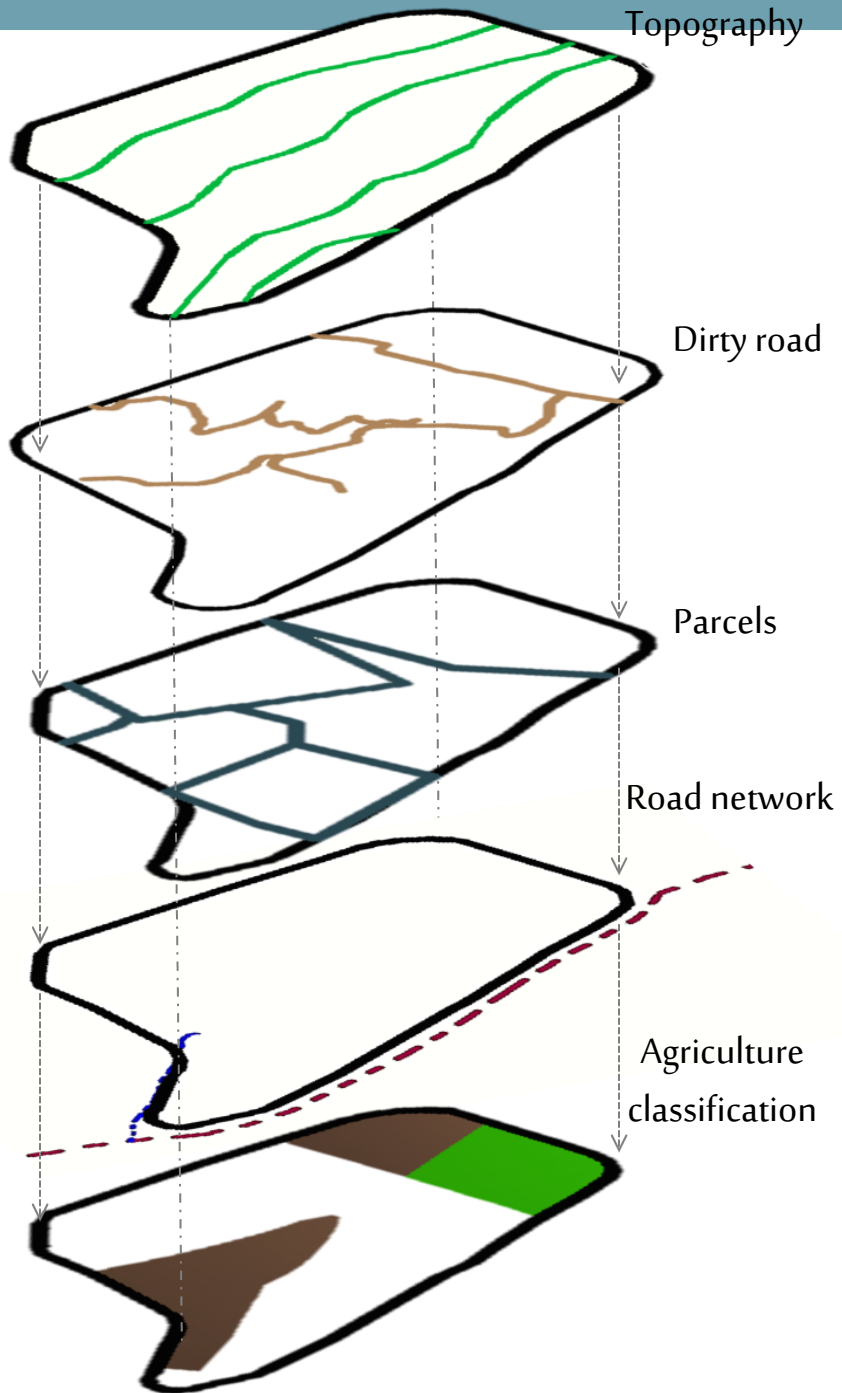
1
2
3
4
1:10,000

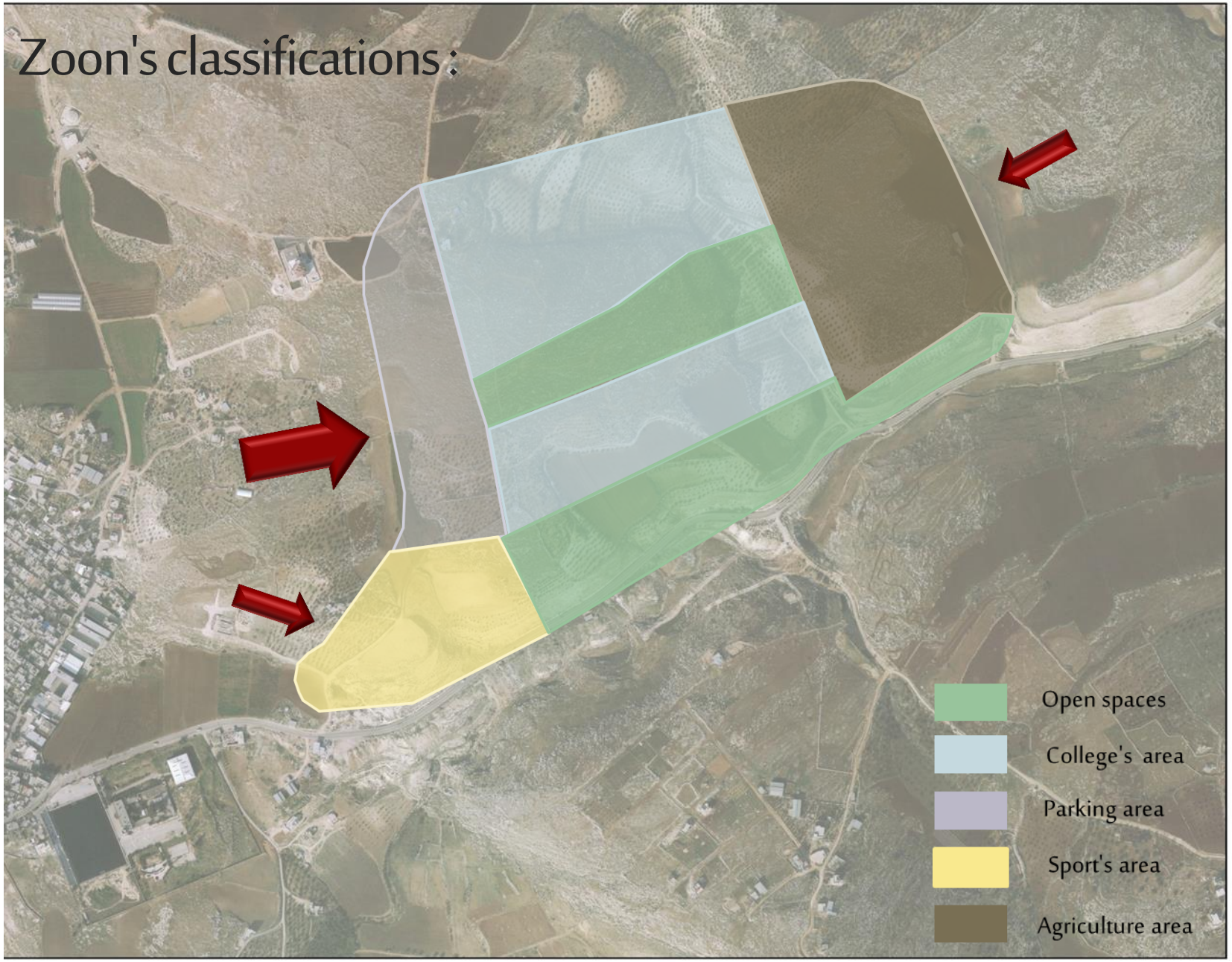
Concept :

Agriculture
communities

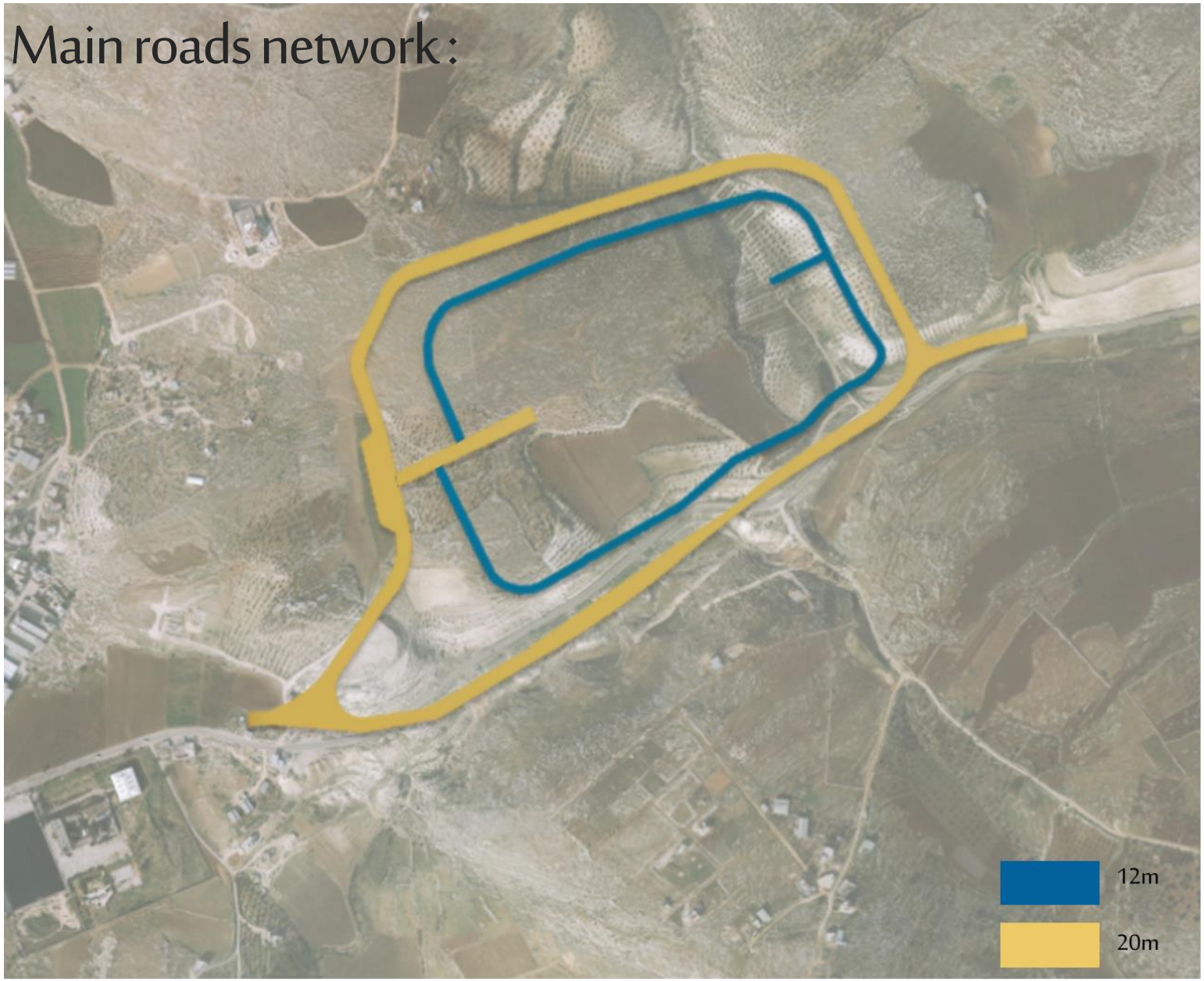

Al –Faraa camp


Topography
Dirty road
Parcels
Road network
Agriculture
classification

Concept :

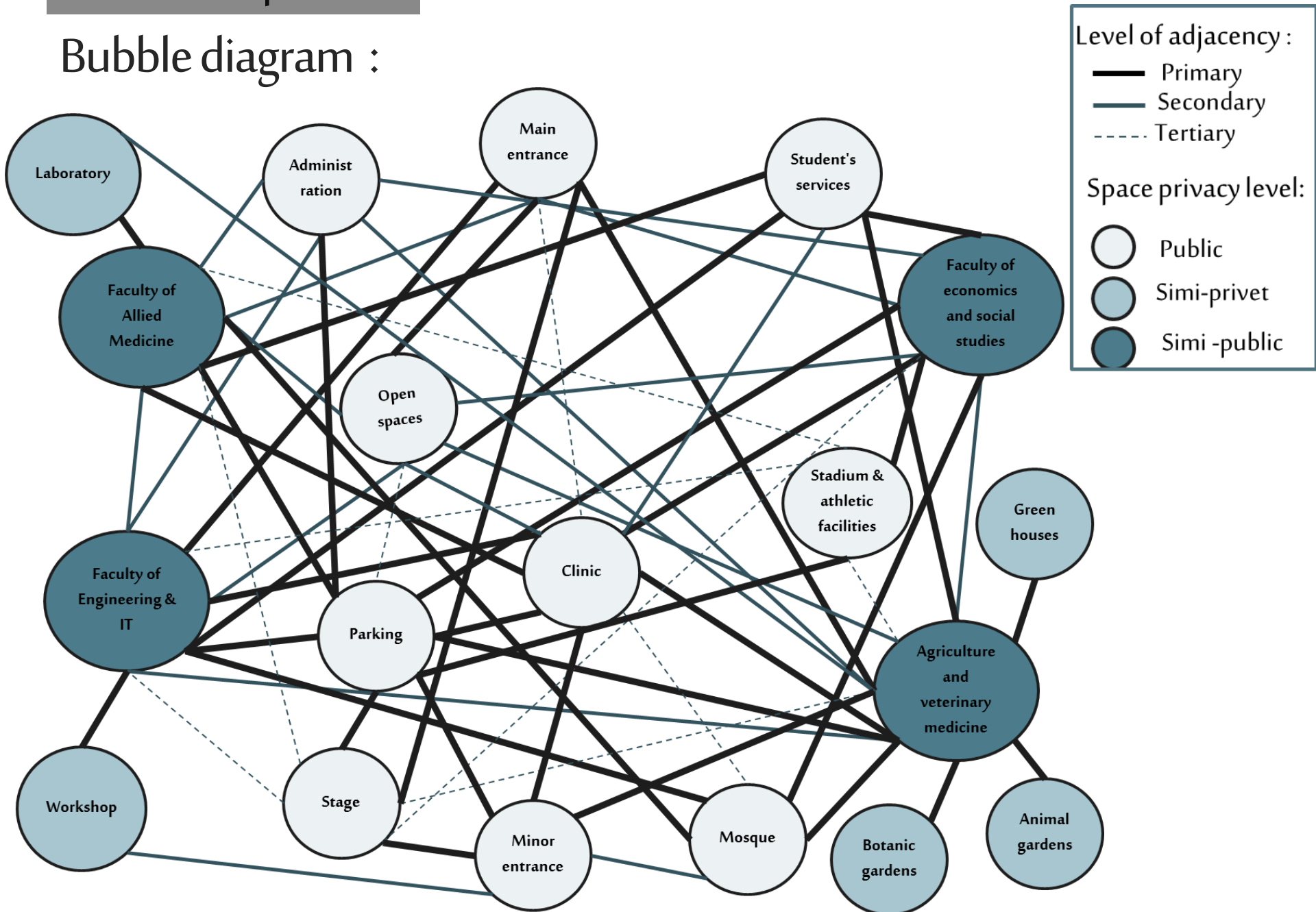

Zoon's classifications :
Open spaces
College's area
Parking area
Sport's area
Agriculture area

Concept :



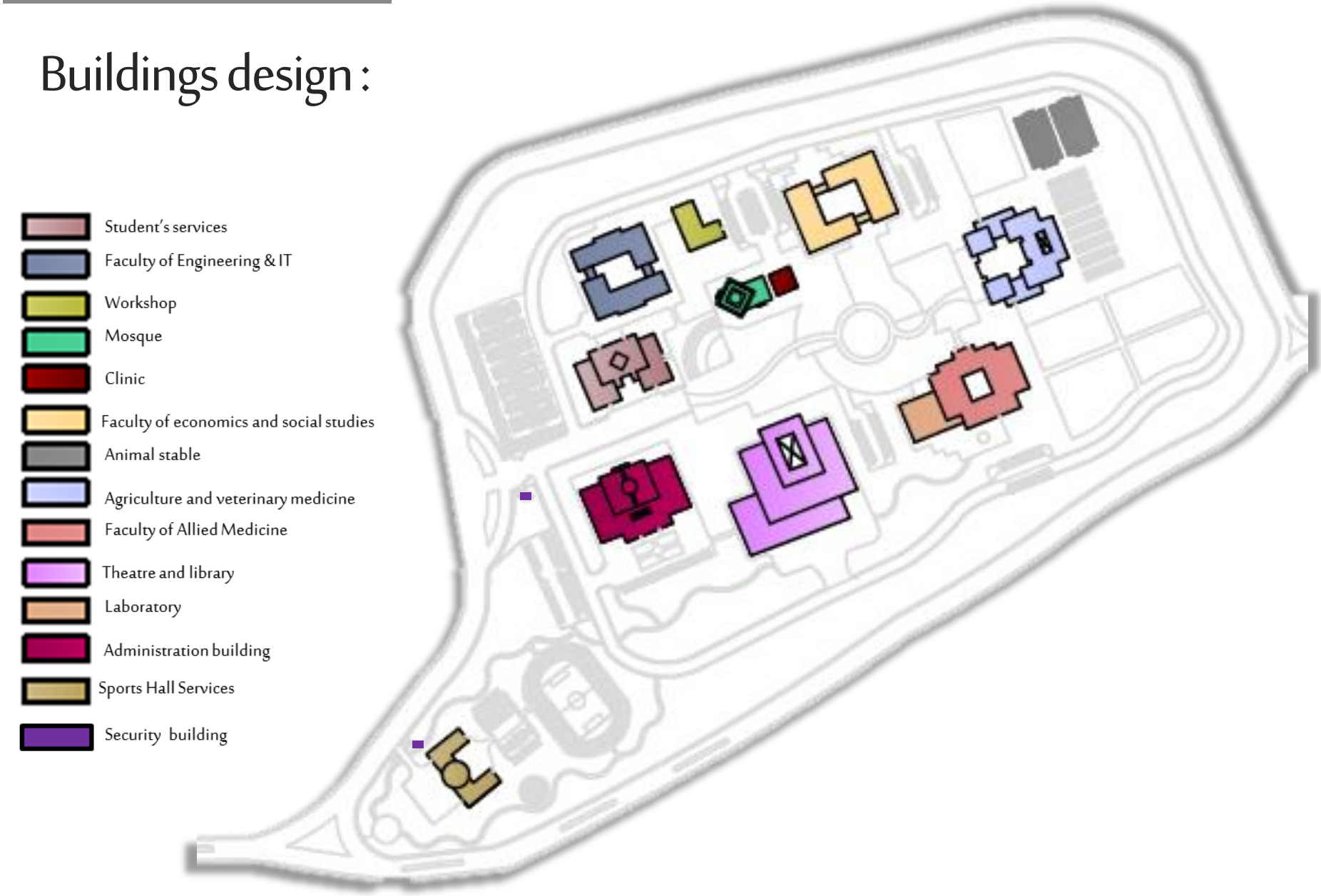
Concept :

Bubble diagram :



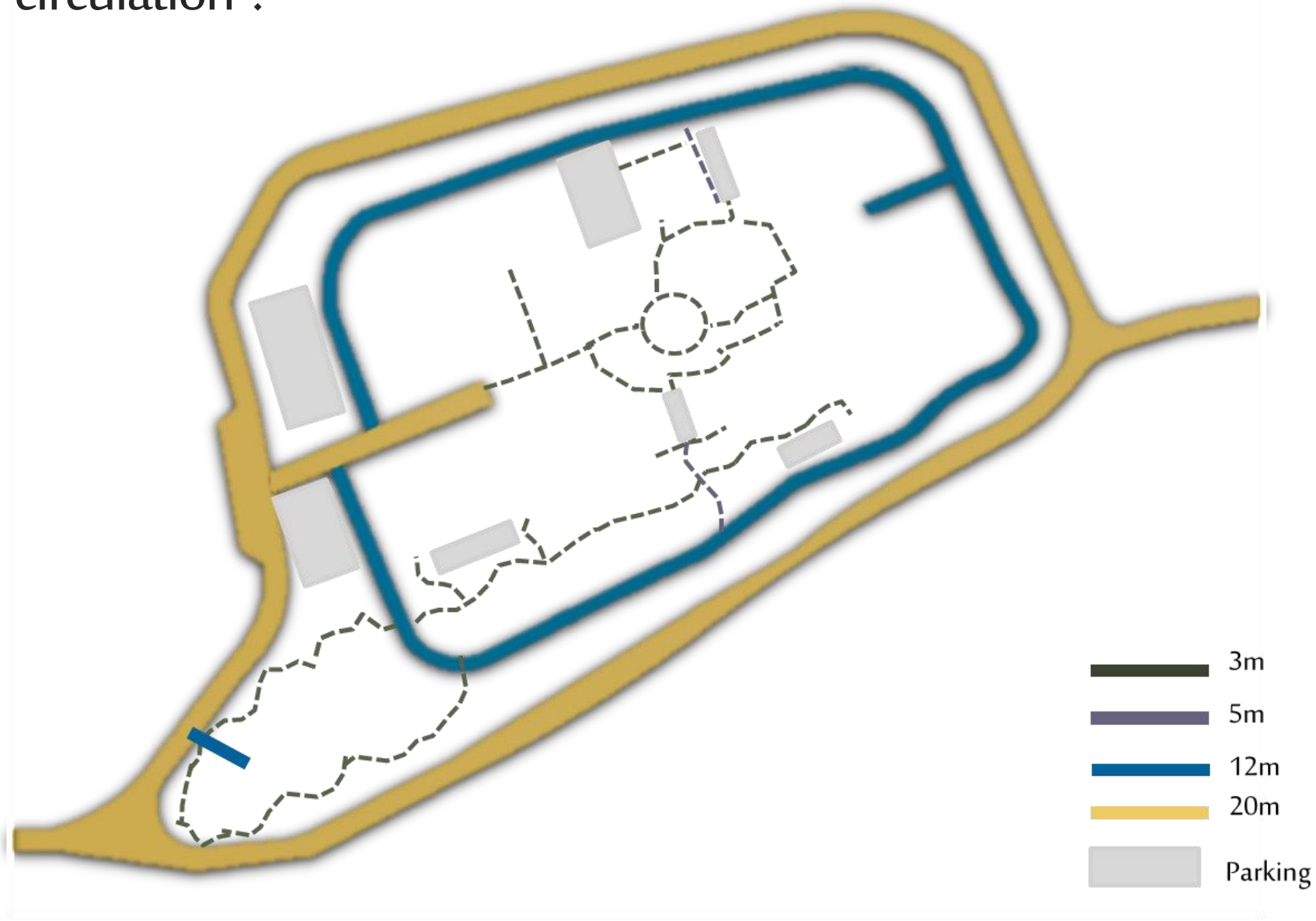
Design :

Buildings design :

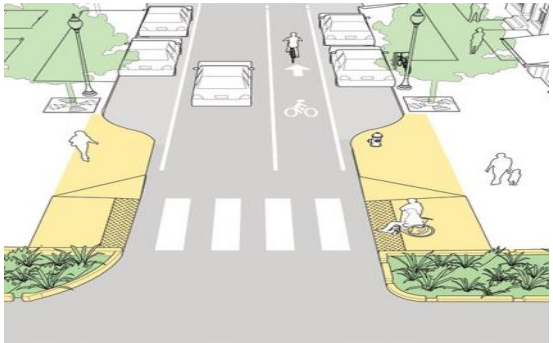


Concept :

circulation :



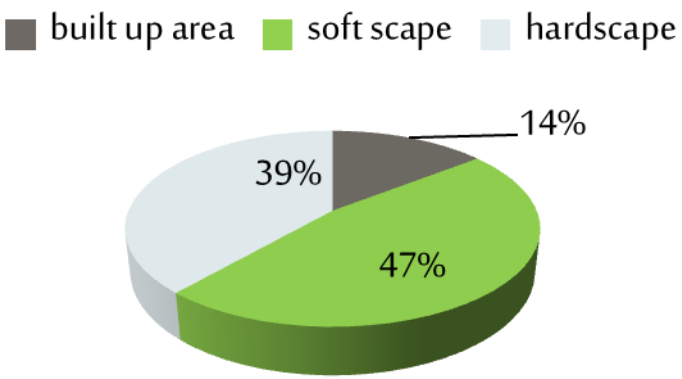
Design :



Design :

- Total coast :Not less than 10,000,000 dollar

- For 200,000 student
- The campus has two wells to collect rainfall water .
- There will be a compost farm factory .



No .	Buildings	Area (m2)
1	Administration building	5298
2	Faculty of Engineering & IT	5298
3	Mosque	1100
4	Clinic	460
5	Workshop	1240
6	Faculty of economics and social studies	5849
7	Animal stable	3500
8	Agriculture and veterinary medicine	4895
9	Faculty of Allied Medicine	5000
10	Laboratory	1540
11	Theatre and art gallery	10,582
12	Student's services	3879
13	Sports Hall Services and stadiums	7250
14	Security buildings	200
Total built up area		56091

Thank you for listening !

Any questions ?