



An-Najah National
University

Industrial areas planning

Site analysis stage
(Industrial area project/ Tubas Governorate)



Urban Planning
Department

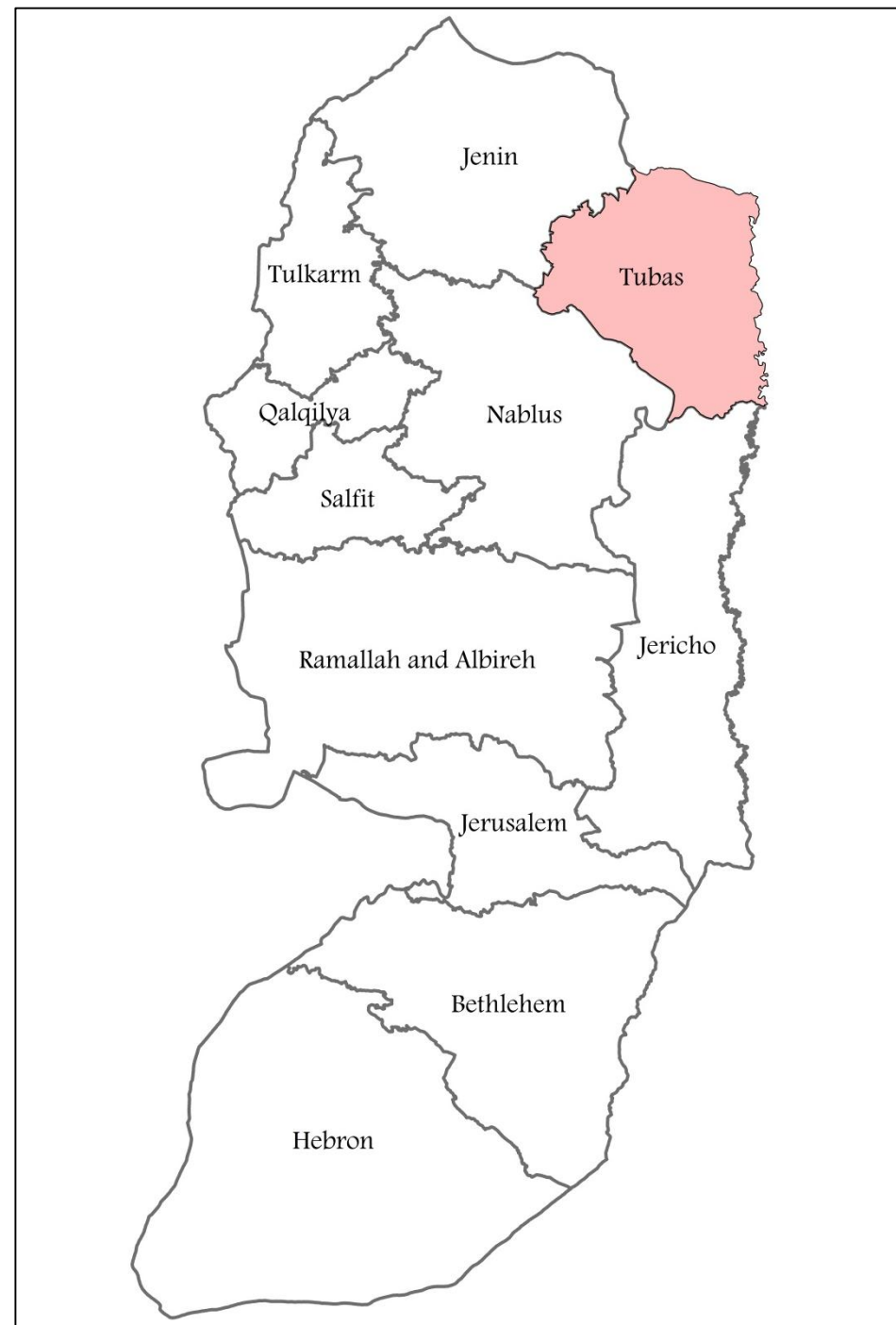
Done by: Marwa Foqaha
Sub. To: Dr. Ali Abdalhameed
Dr. Zahra Zawawi

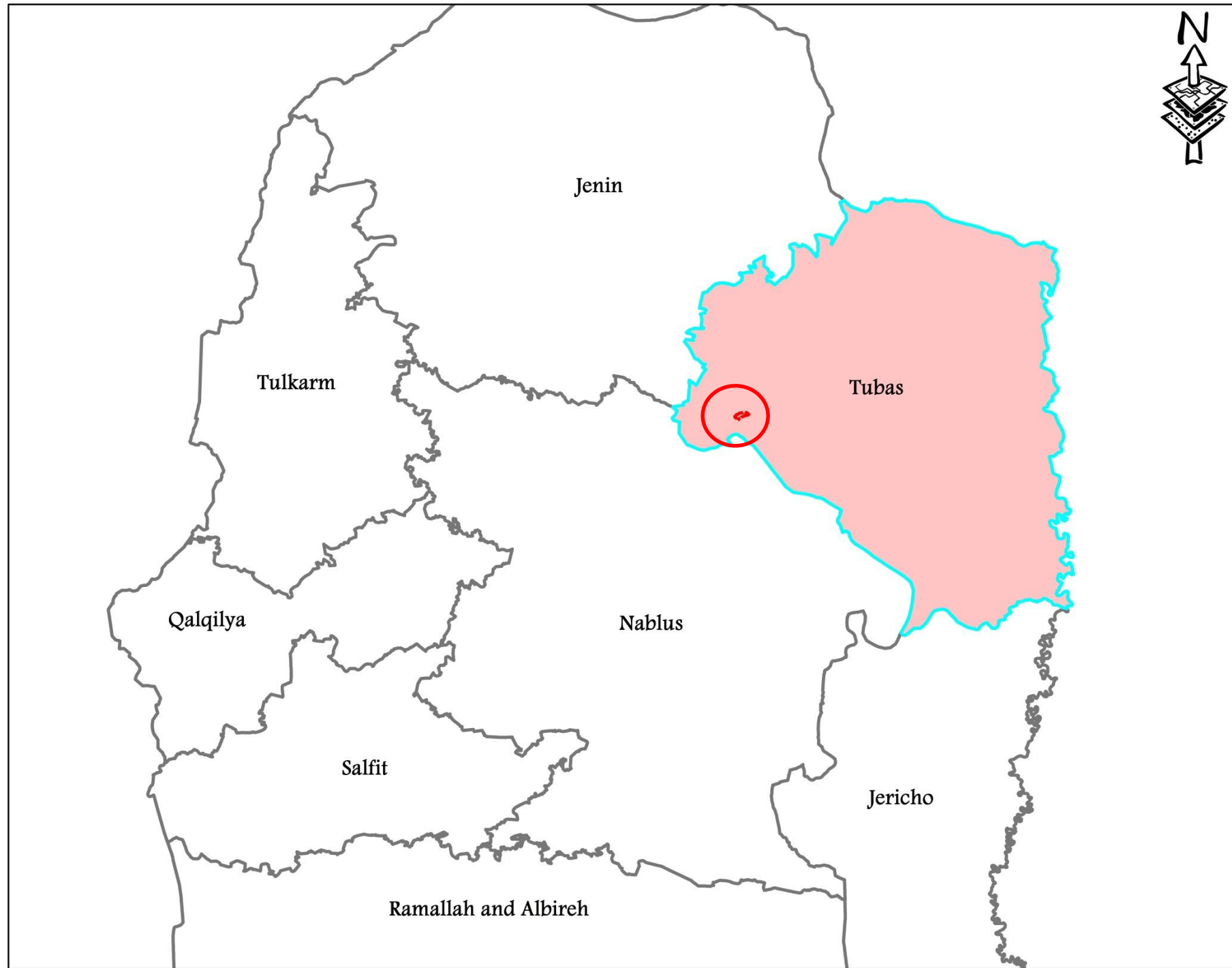


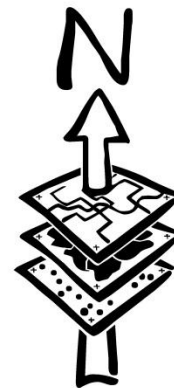
Site location

→ **Tubas Governorate**

→ **Area = 300 donum**





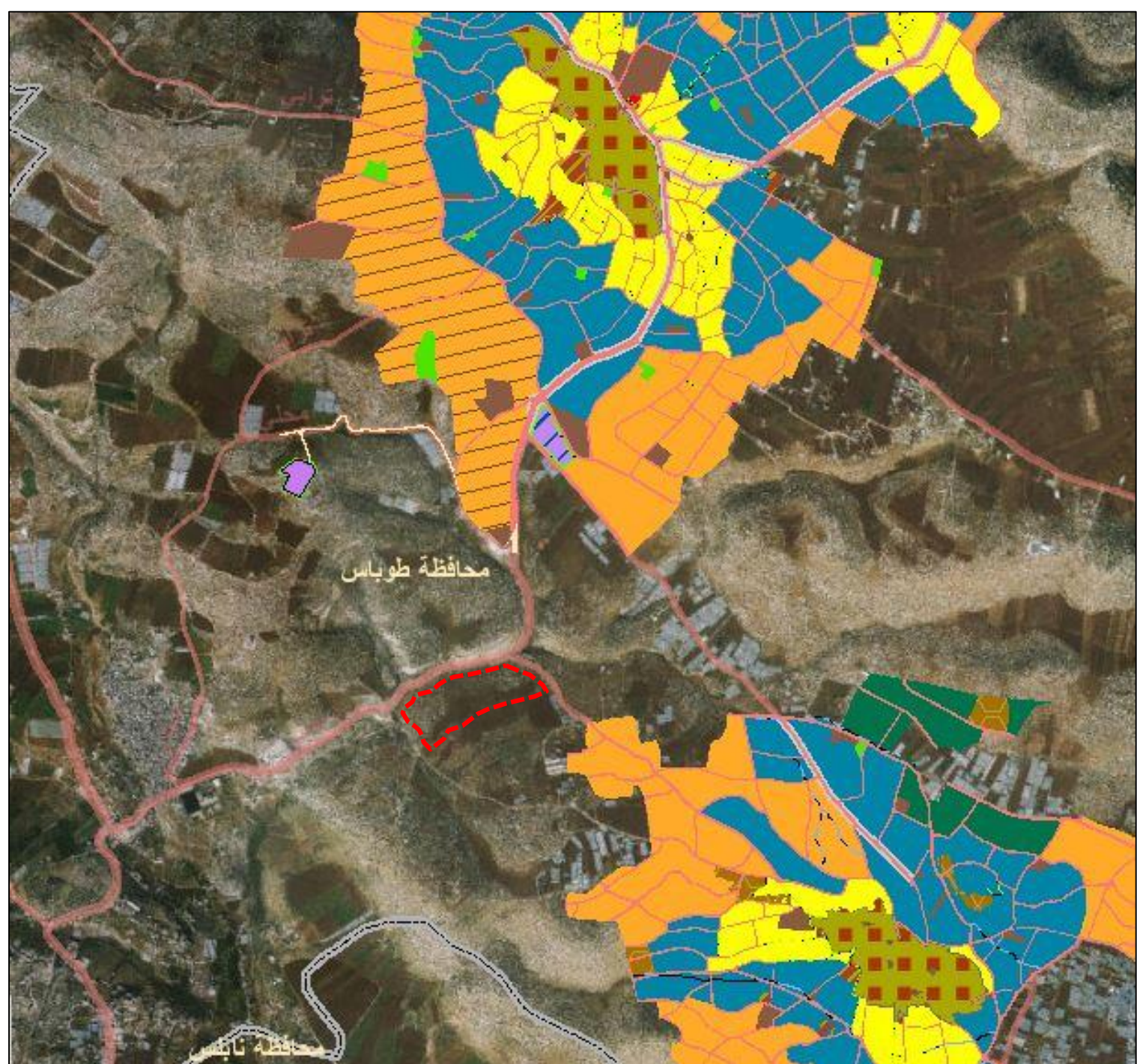


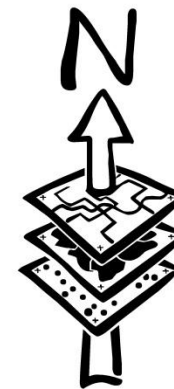
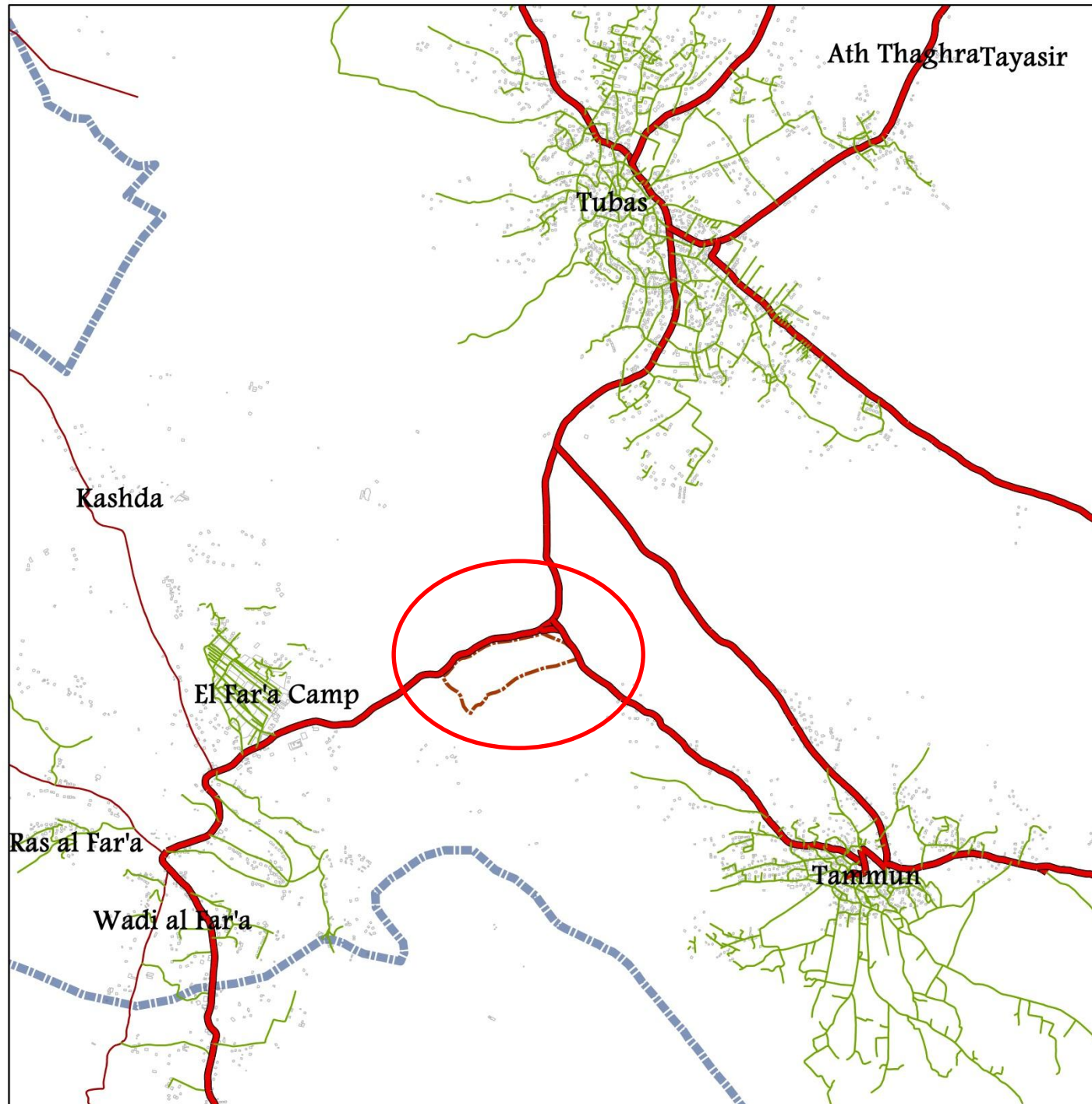
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The site location in Tubas Governorate

Legend

-  tubas_governorate
-  site boundary
-  BuiltUpAreas





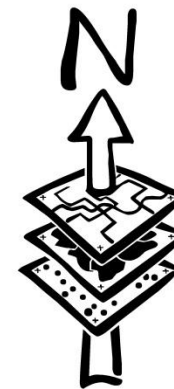
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The site Location

Legend

-  Tubas Governorate
-  site boundary
-  Roads
-  Internal
-  other
-  Main
-  Regional

1:32,000

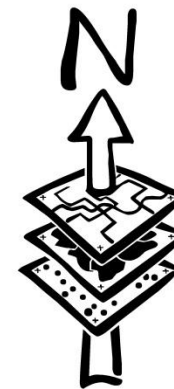
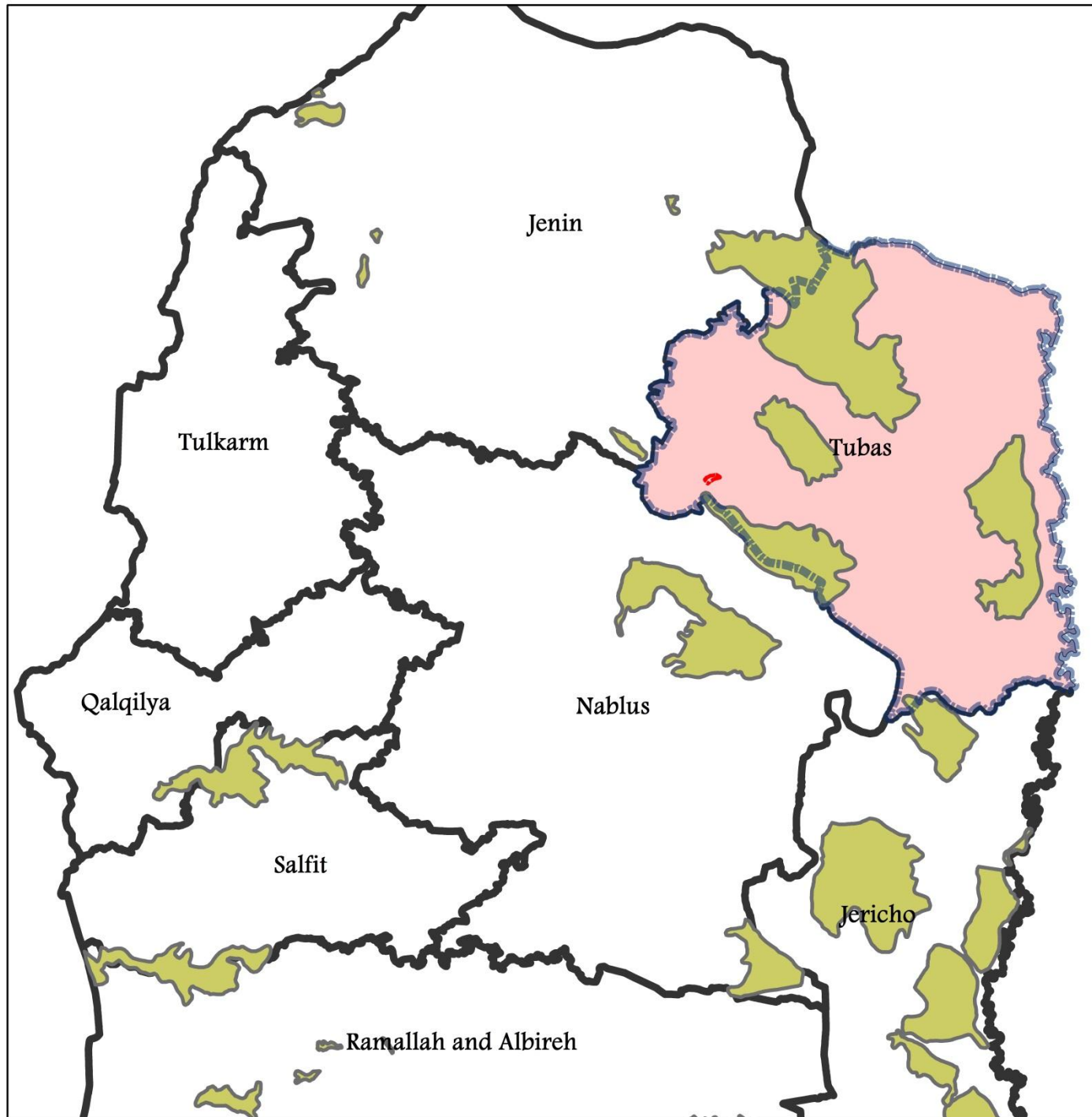


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Tubas Blocks

Legend

-  Tubas Governorate
-  site boundary
-  blocks



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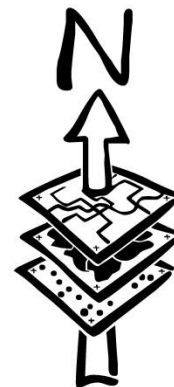
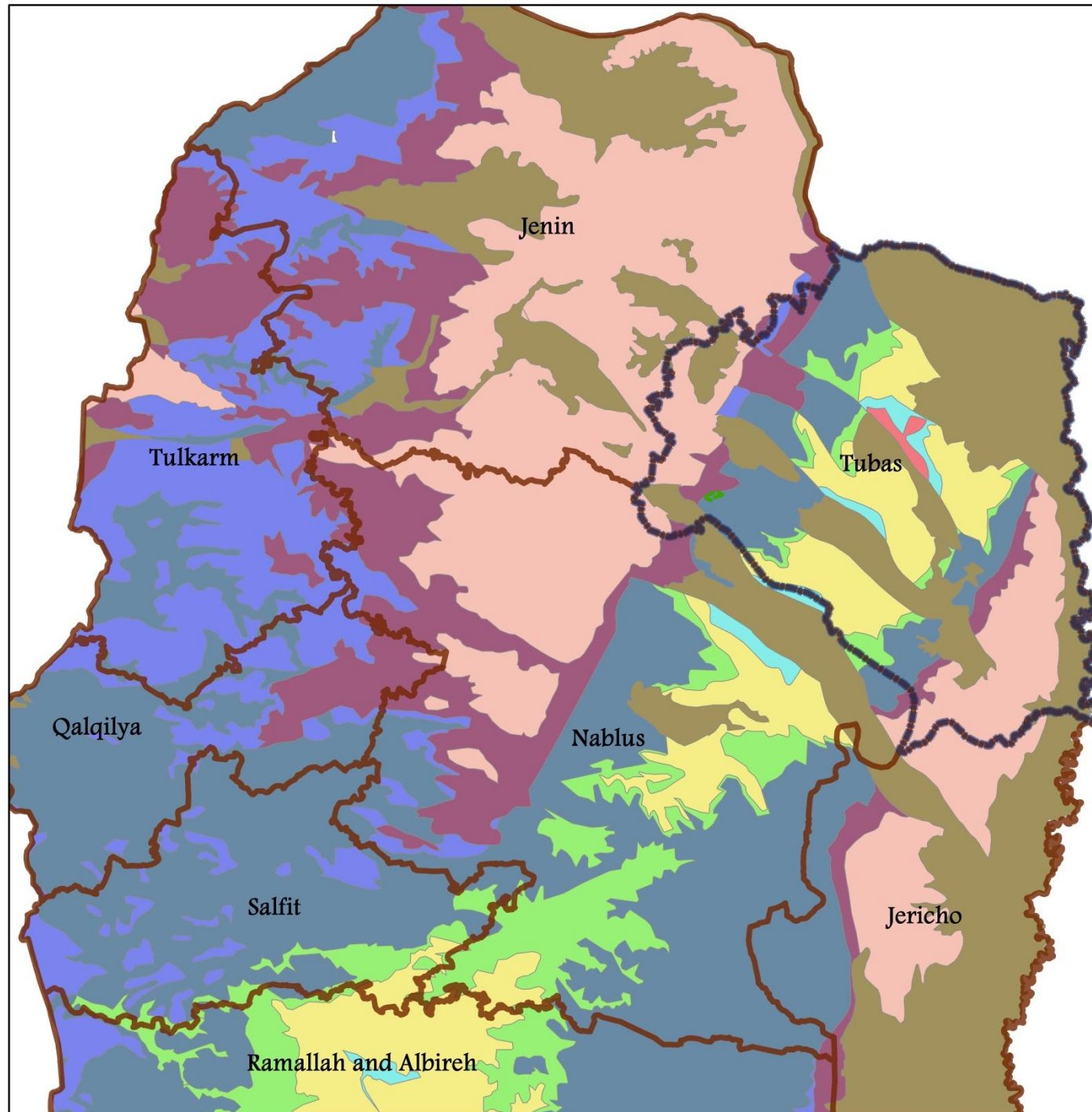
Natural Reserves

Legend

-  Tubas Governorate
-  site boundary
-  Natural Reserves

1:270,000

According to the national plan
layers



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Geology

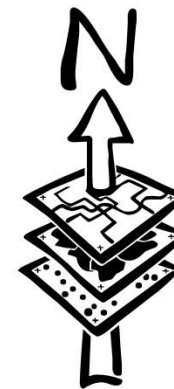
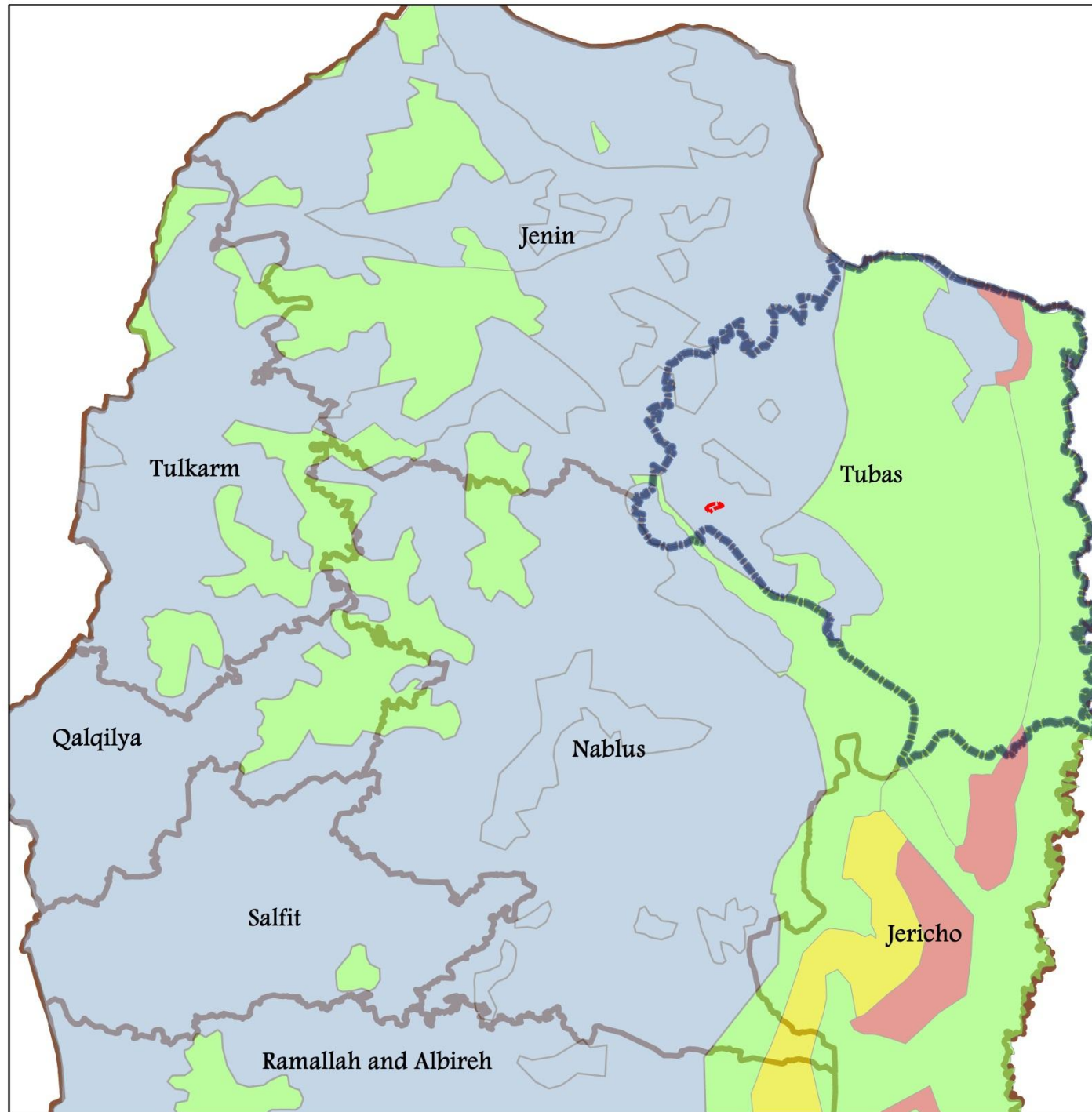
Legend

- Tulas Governorate
- site boundary

Geology

- Albian
- Cenomanian
- Eocene
- Jurassic
- Lower Cenomanian
- Lower Cretaceous
- Oligocene-Miocene-Pliocene
- Quaternary
- Senonian
- Turonian
- Upper Cenomanian

1:270,000



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Soil Classification

Legend

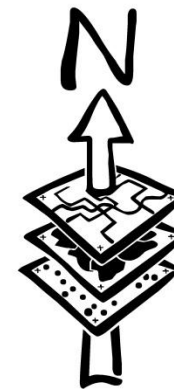
-  Tubas Governorate
-  site boundary

soil_classification

TEXTURE

-  Clay
-  Clay loam
-  Loamy
-  Sandy loam

1:270,000

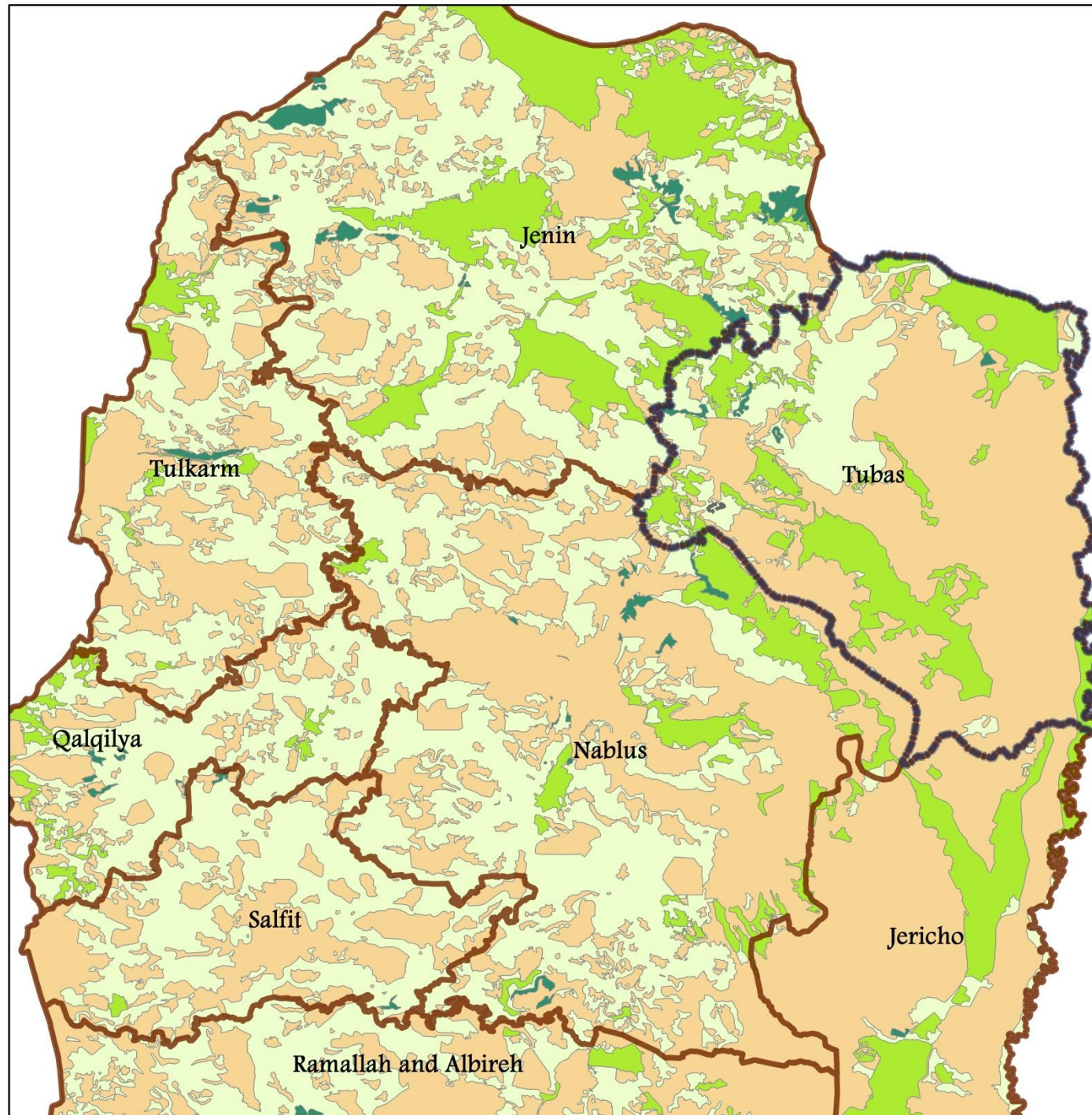


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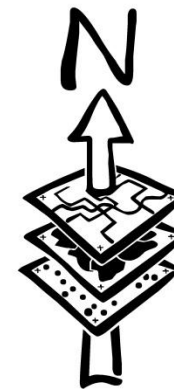
Agricultural Classification

Legend

-  Tubas Governorate
-  site boundary
-  high value
-  medium value
-  low value
-  forests



1:270,000



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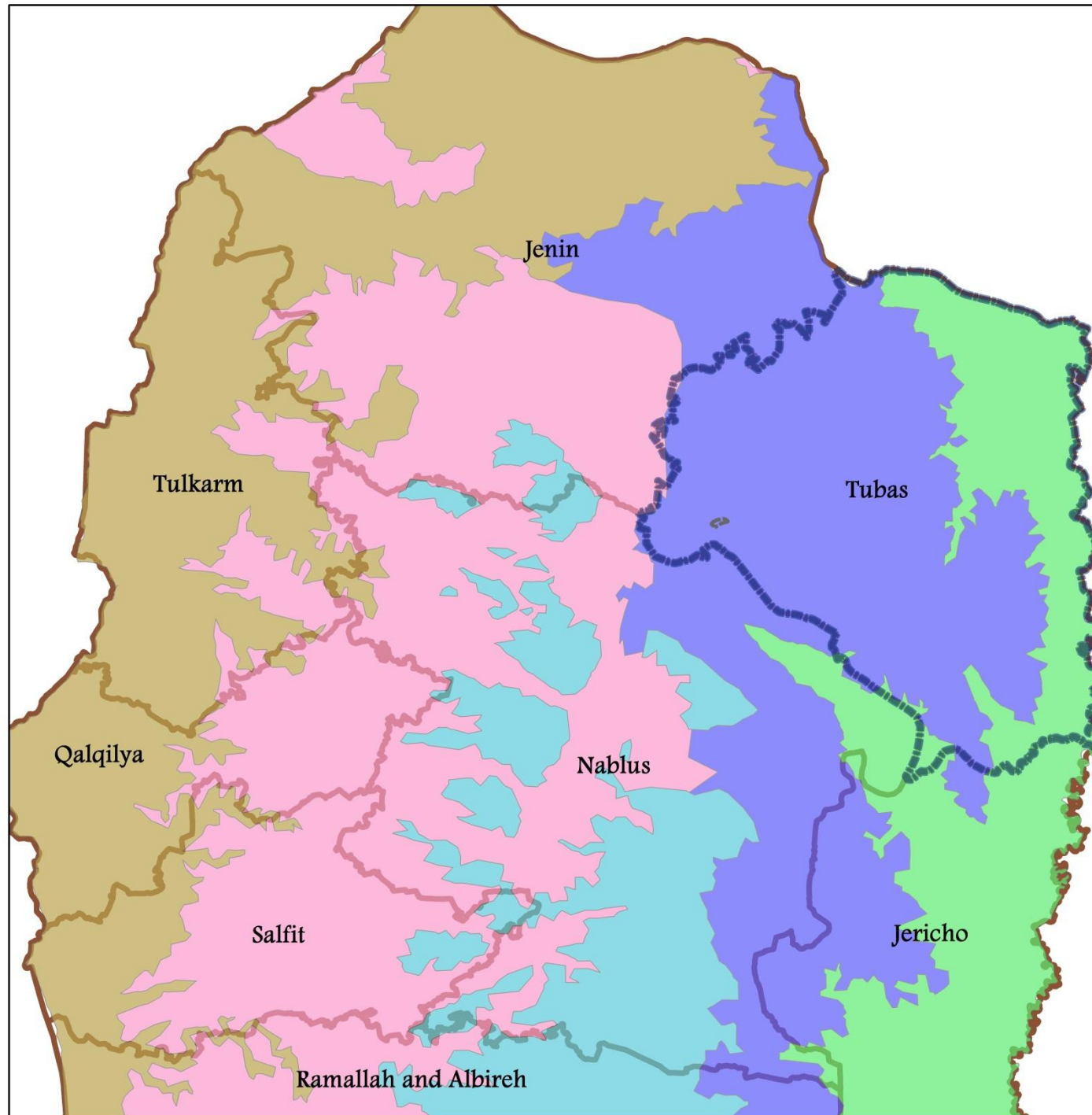
Landscape

Legend

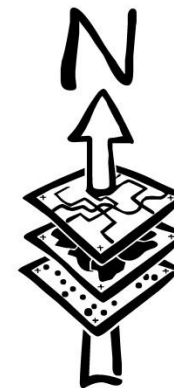
-  Tubas Governorate
-  site boundary

Landscape

-  Eastern Slopes
-  Jordan River Valley
-  Mountain Pateau
-  Semi-coastal Plain
-  Western Slopes



1:270,000

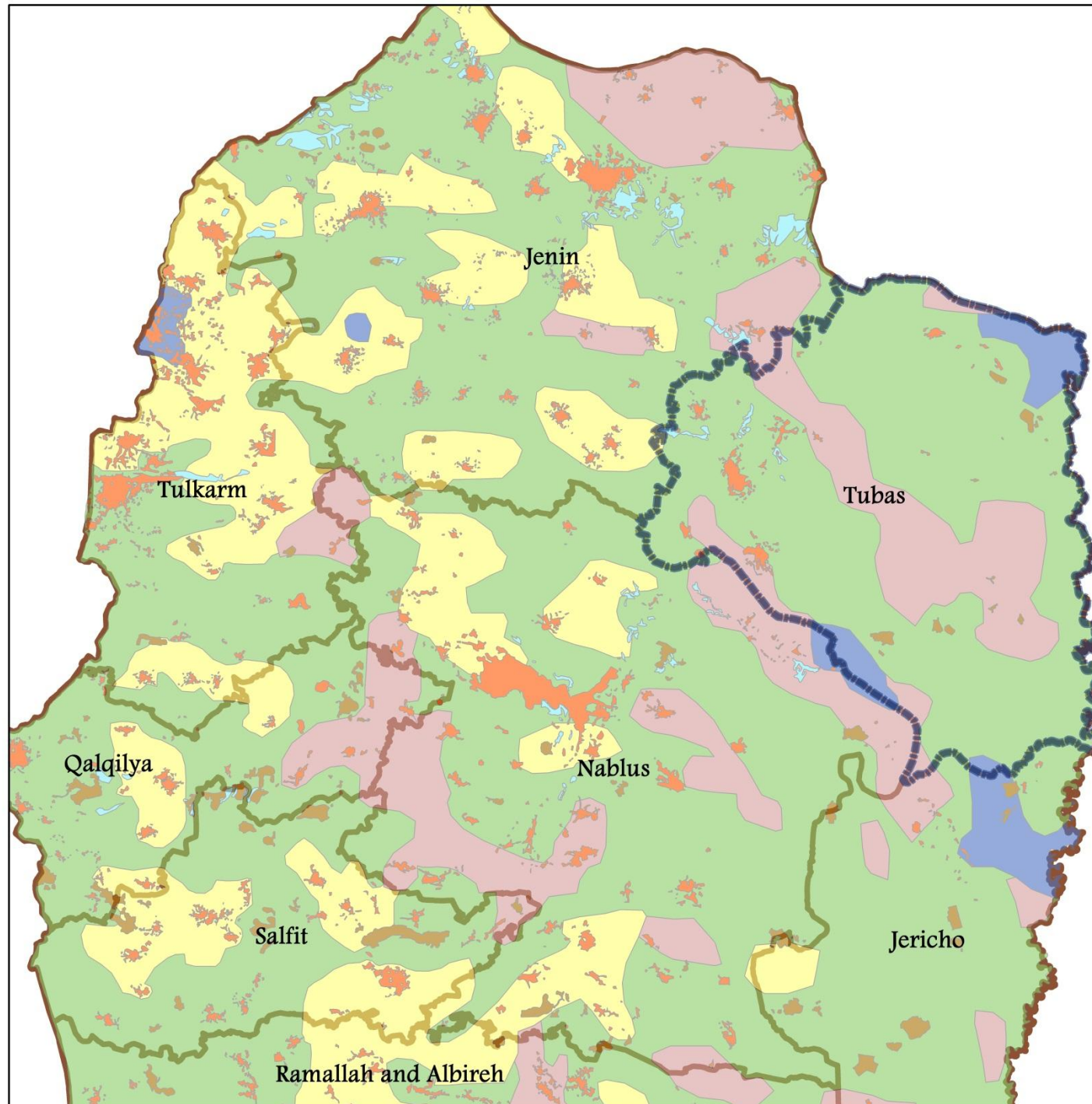


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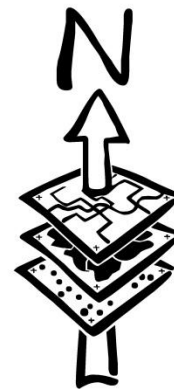
West Bank Landuse

Legend

-  Tubas Governorate
-  Arable Land
-  Builtup
-  Irrigated Farming
-  Israeli Settlements
-  Permanent Crops
-  Rough Grazing
-  Woodland/Forest



1:270,000

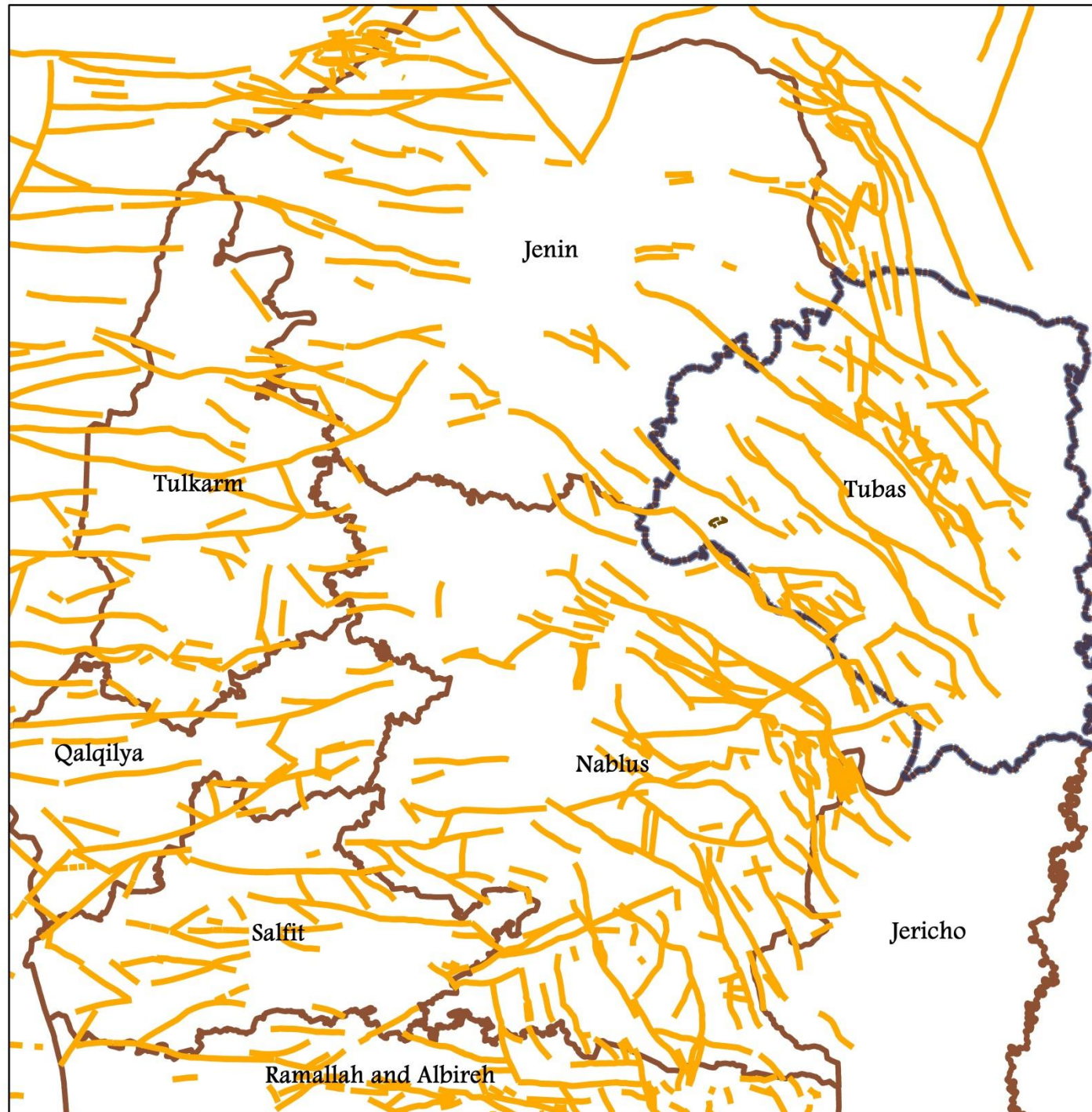


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West Bank Faults

Legend

-  Tubas Governorate
-  site boundary
-  faults



1:270,000



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Seismic Zones of Tubas Governorate

Legend

 site boundary

Seismic Zones

 Zone 2A

 Zone 3

 Zone 2B

1:120,000



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Administrative Classification of Tubas Governorate

Legend

site boundary

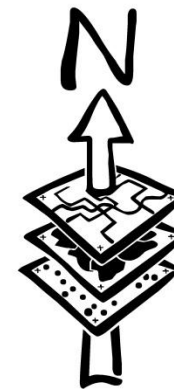
Area_ABC

Area A

Area B

Area C

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Roads Classification

Legend



Tubas Governorate

Roads



Internal



Local

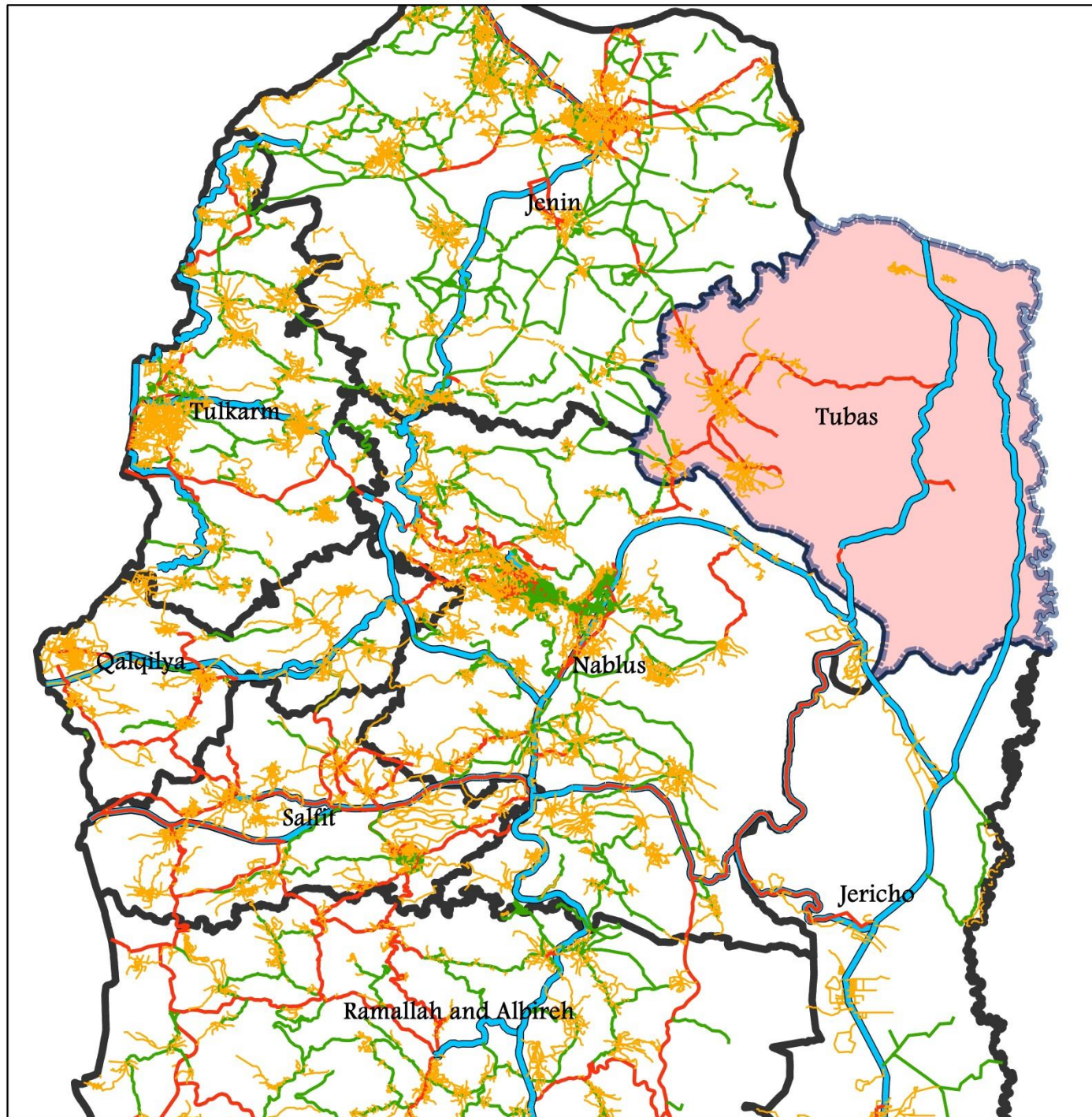


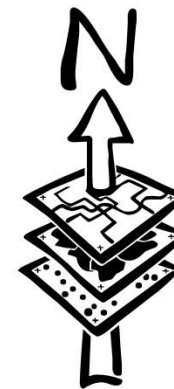
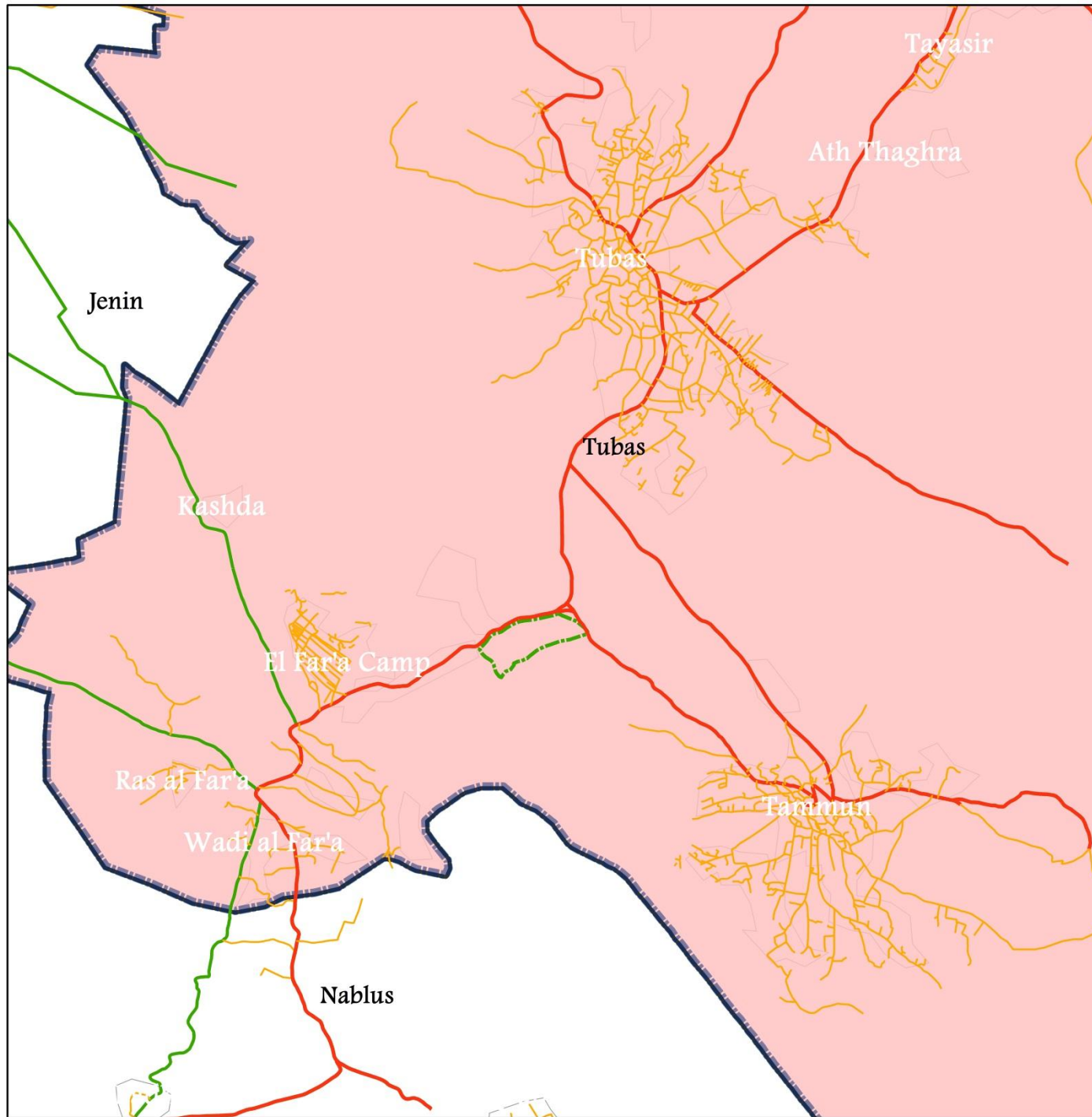
Main



Regional

According to the national plan
layers





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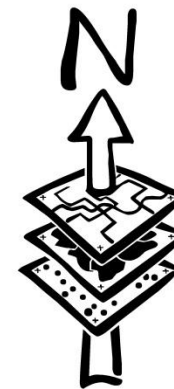
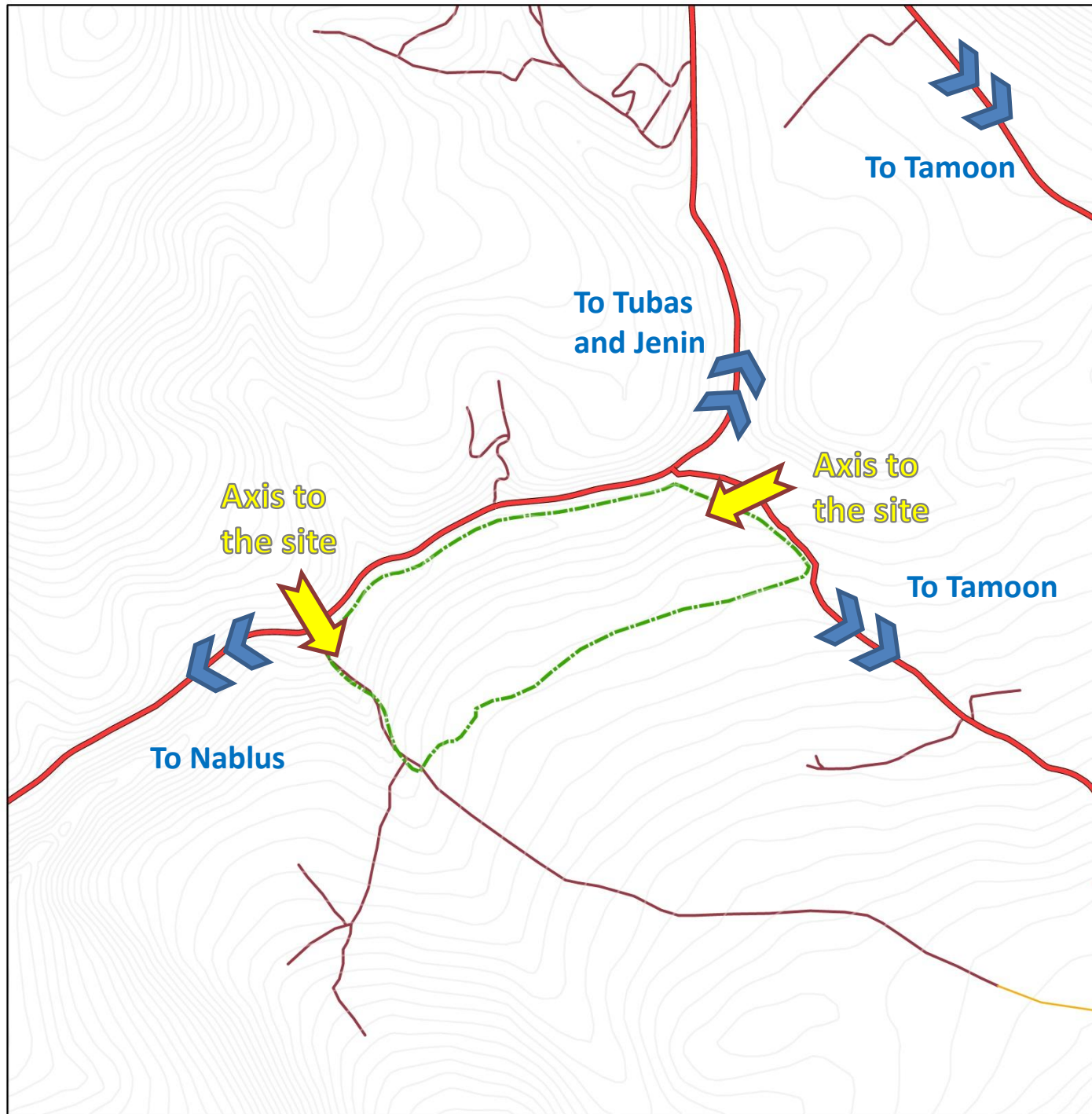
Roads Classification

Legend

-  Tubas Governorate
-  site boundary

Roads

-  Internal
-  Local
-  Main
-  Regional



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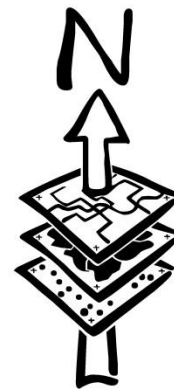
Roads Classification

Legend

-  Tubas Governorate
-  site boundary

Roads

-  Internal
-  other
-  Main
-  Regional



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Soil Classification

Legend



Tubas Governorate

site boundary

soil_classification

TEXTURE



Clay



Clay loam

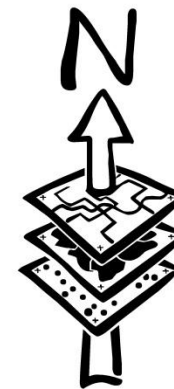
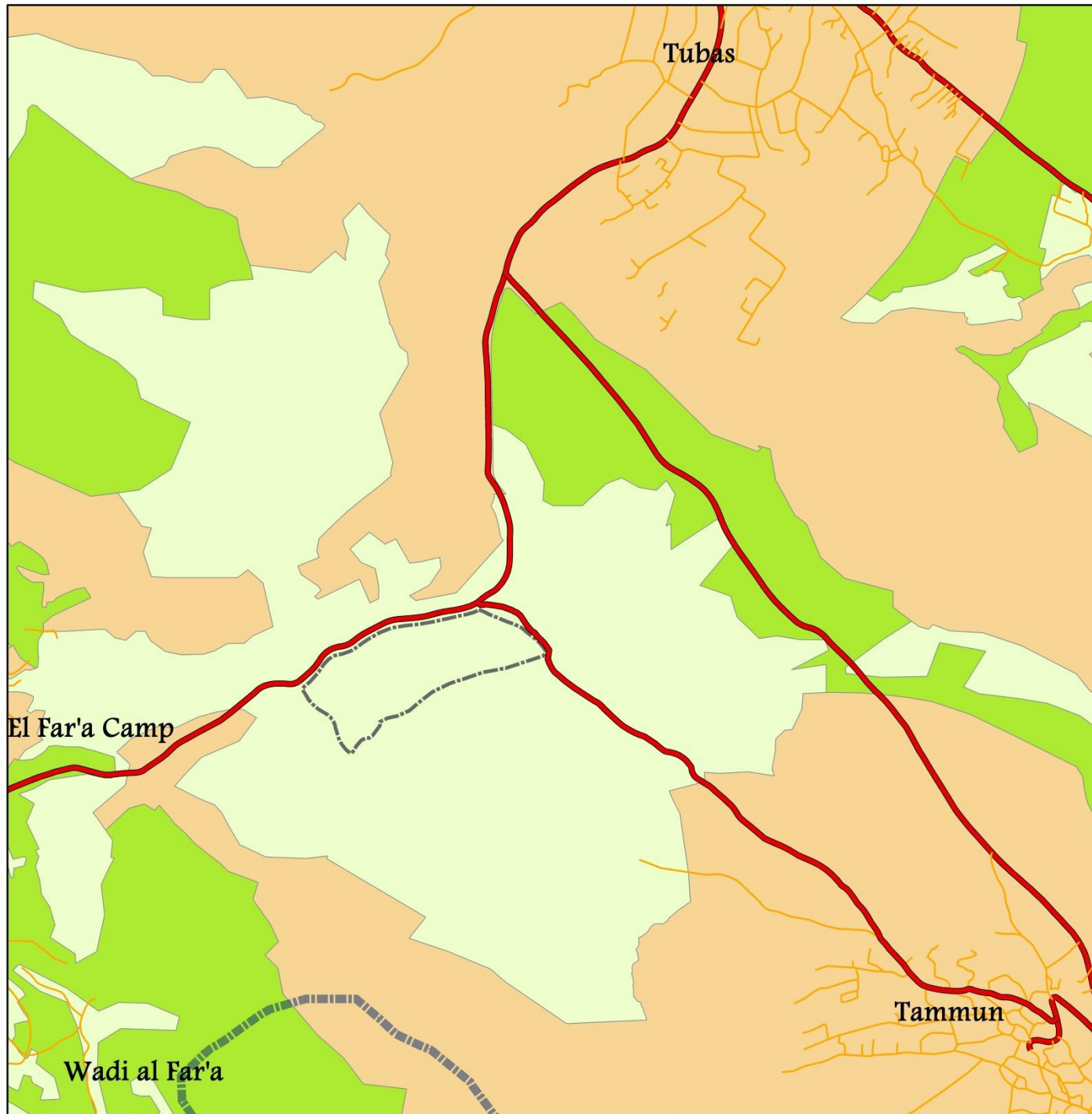


Loamy



Sandy loam

1:18,000



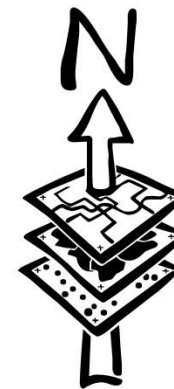
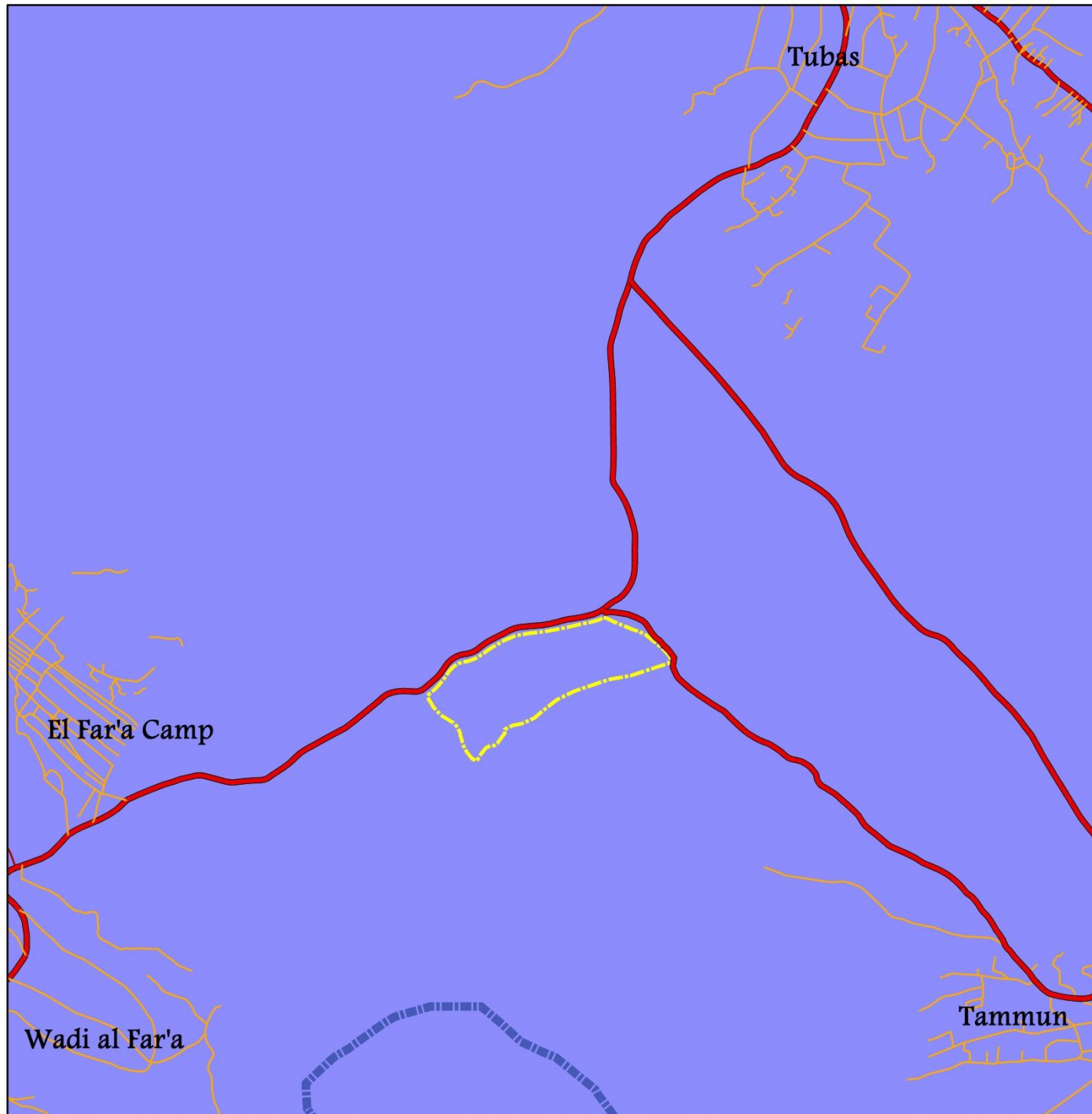
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Agricultural Classification

Legend

-  Tubas Governorate
-  site boundary
-  high value
-  medium value
-  low value
-  forests

1:18,000



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Landscape of Tubas Governorate

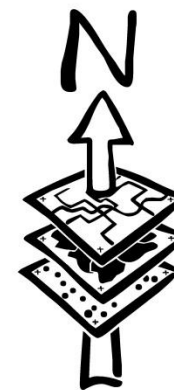
Legend

-  Tubas Governorate
-  site boundary

Landscape

-  Eastern Slopes
-  Jordan River Valley
-  Mountain Pateau
-  Semi-coastal Plain
-  Western Slopes

1:18,000



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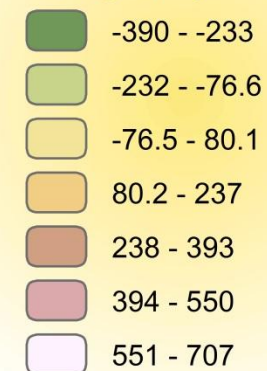
Tubas Governorate Topography

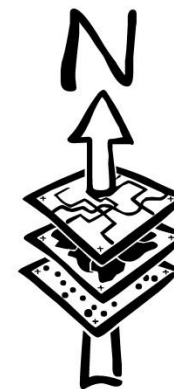
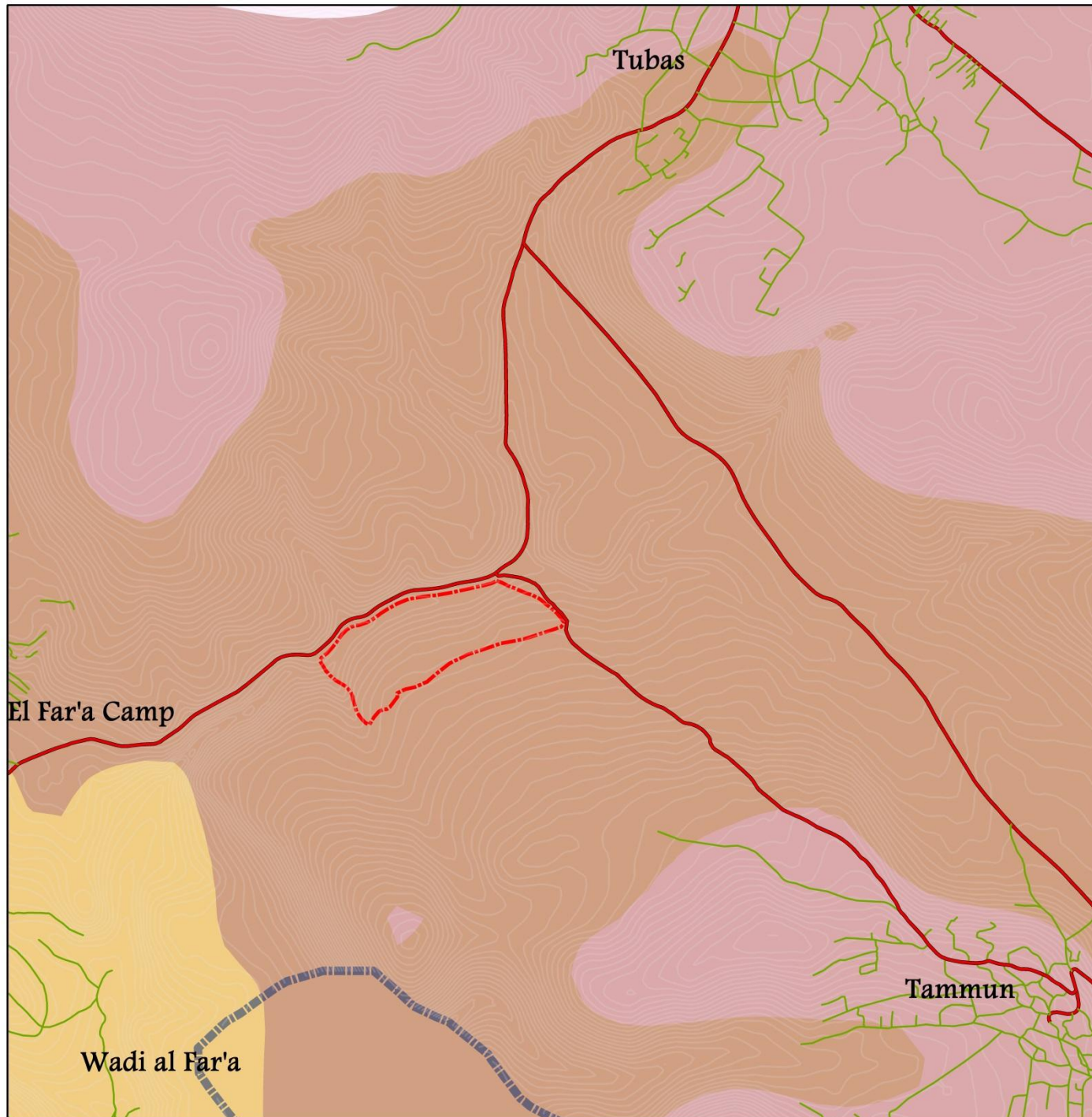
Legend



tubas_governorate

Topography





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Tubas Governorate Topography

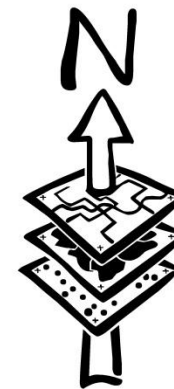
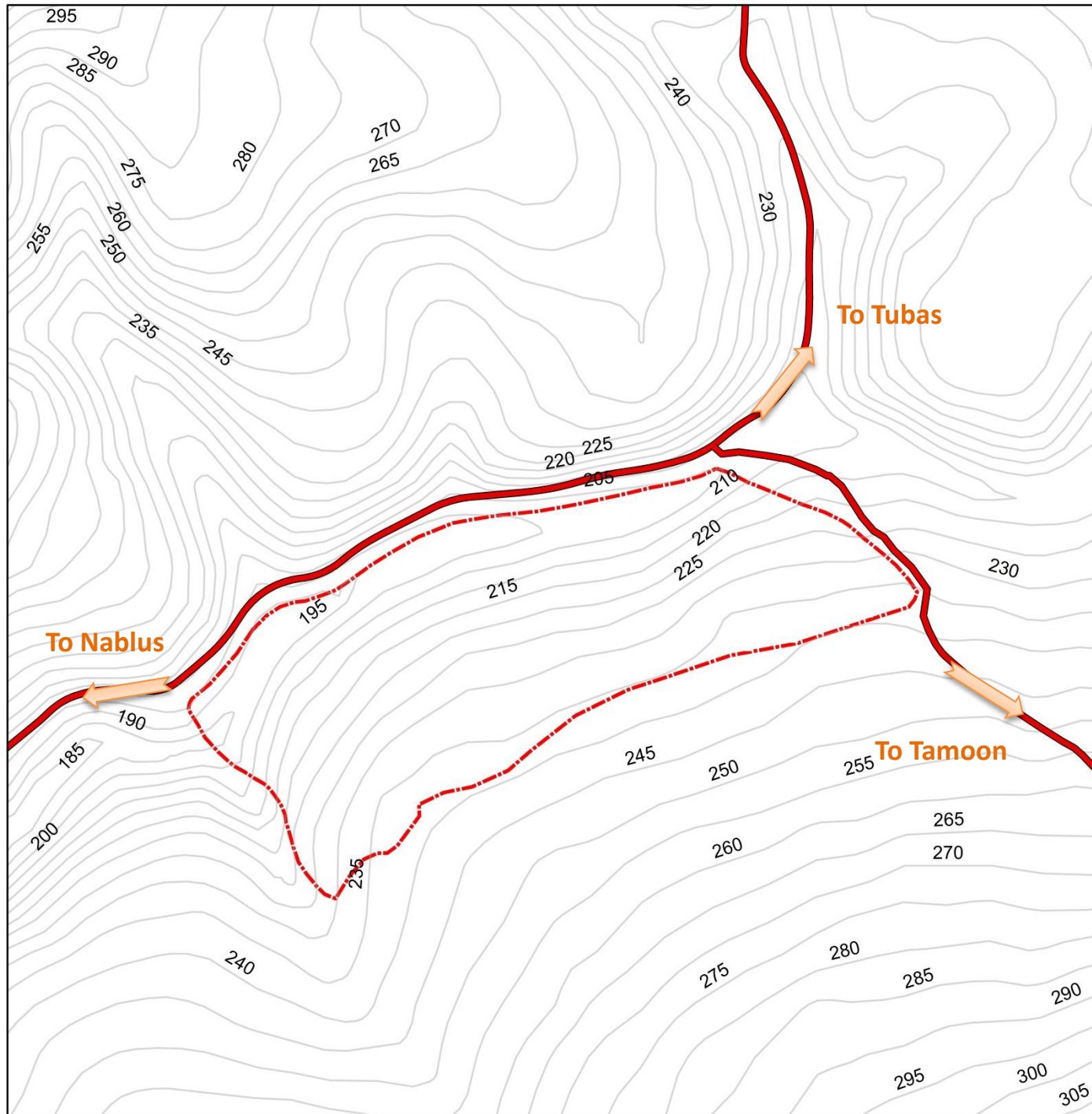
Legend

-  Tubas Governorate
-  sitebound1

Topography

-  -390 - -205
-  -204 - -67.4
-  -67.3 - 57.4
-  57.5 - 182
-  183 - 324
-  325 - 462
-  463 - 707

1:18,000



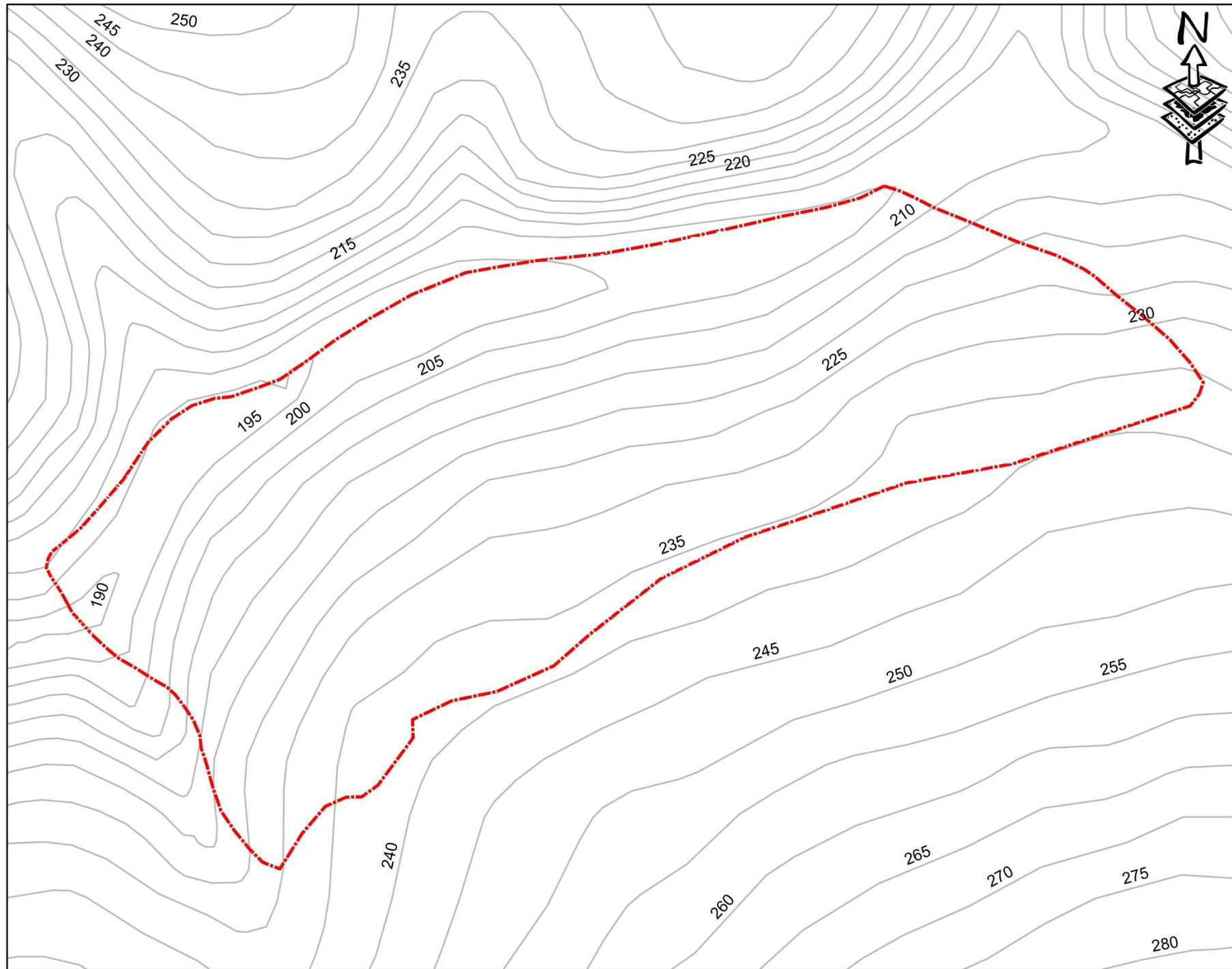
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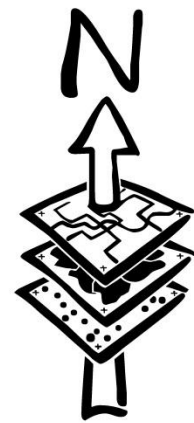
The site Topography

Legend

-  Tubas Governorate
-  sitebound1
-  Contours_5m

1:6,000





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Tubas Governorate Slopes

Legend

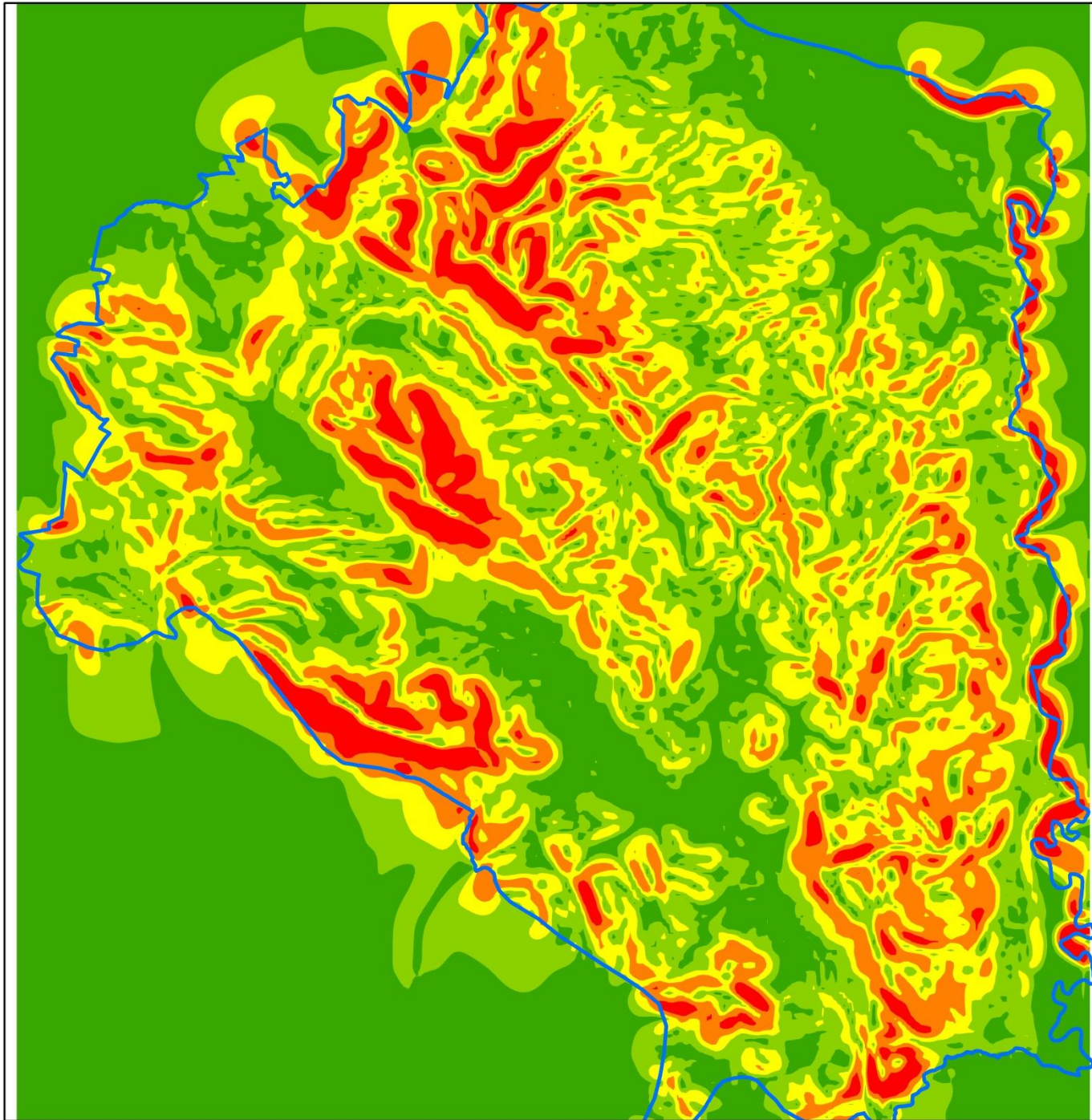
 Tubas governorate

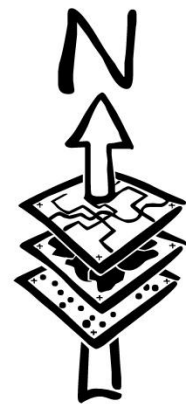
slopes

<VALUE>

	0.00319 - 3.22
	3.23 - 6.88
	6.89 - 11.1
	11.2 - 16.3
	16.4 - 28.3

1:120,000





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Tubas Governorate

Slopes

Legend

 Tubas governorate

slopes

 0.0032 - 2.2

 2.3 - 4.5

 4.6 - 7

 7.1 - 9.7

 9.8 - 12

 13 - 16

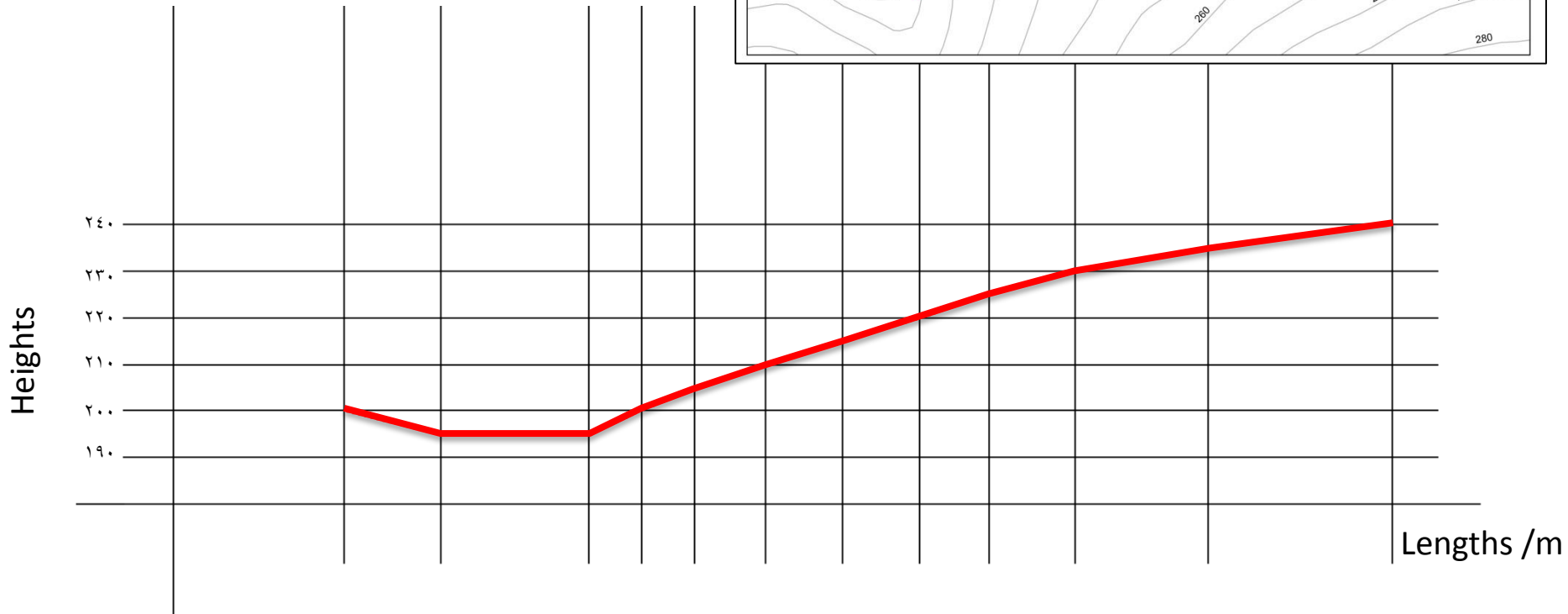
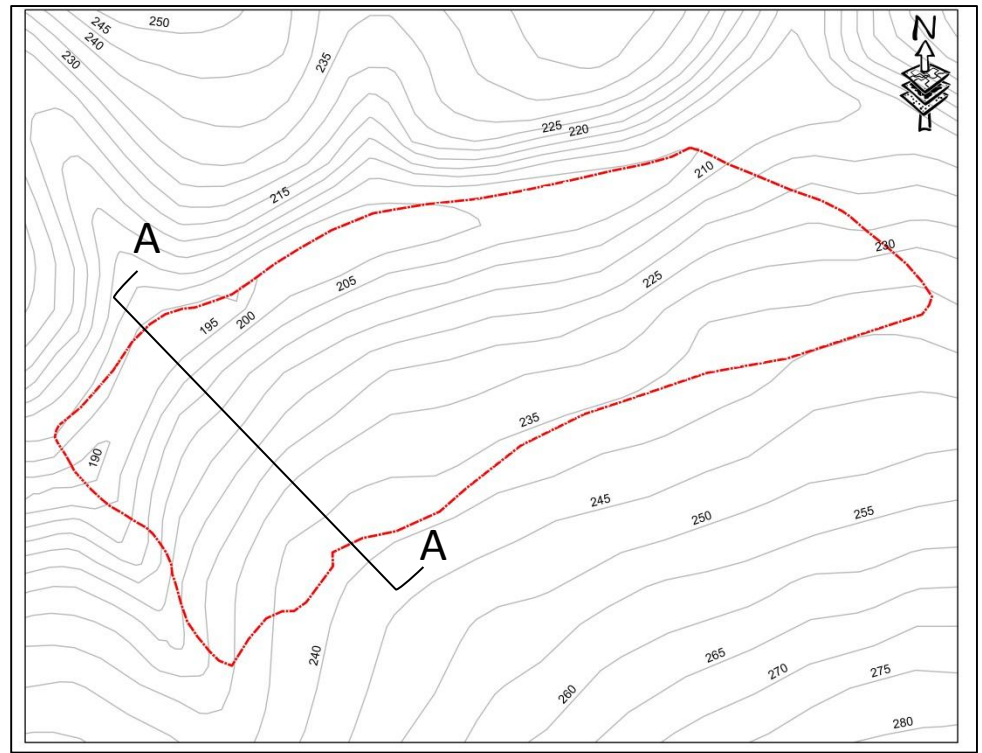
 17 - 20

 21 - 28

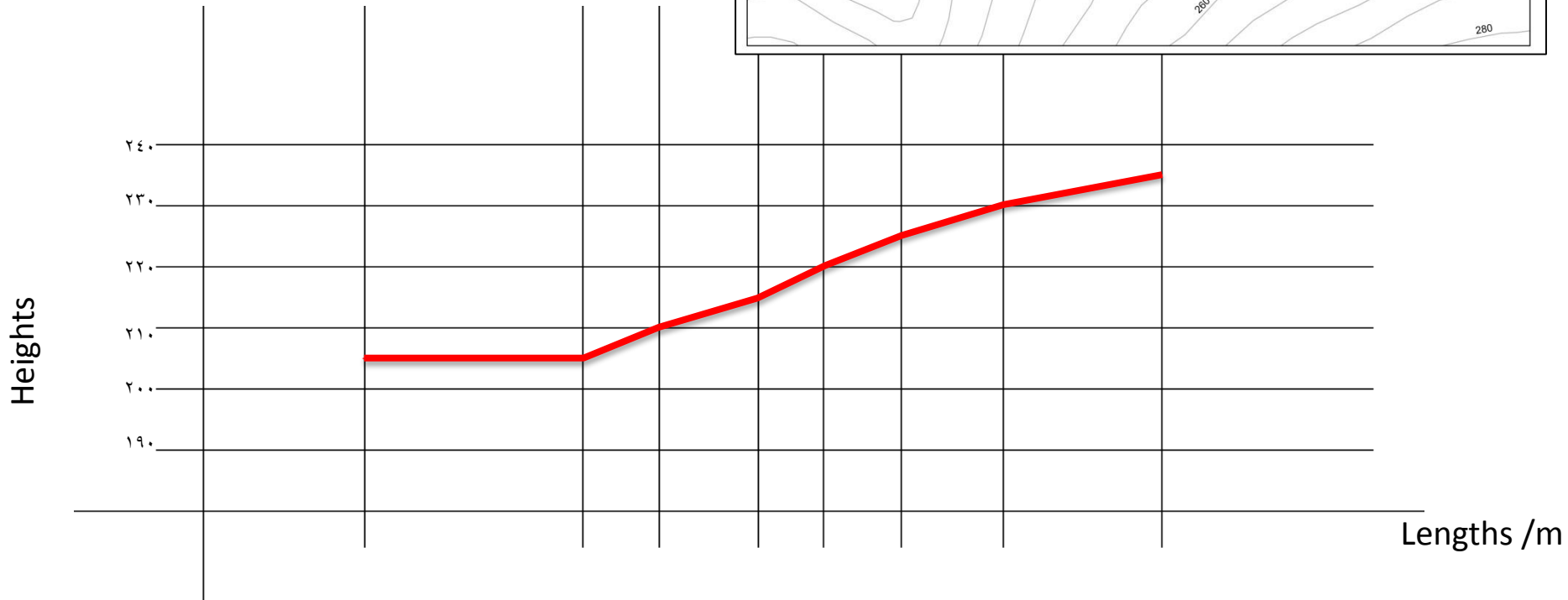
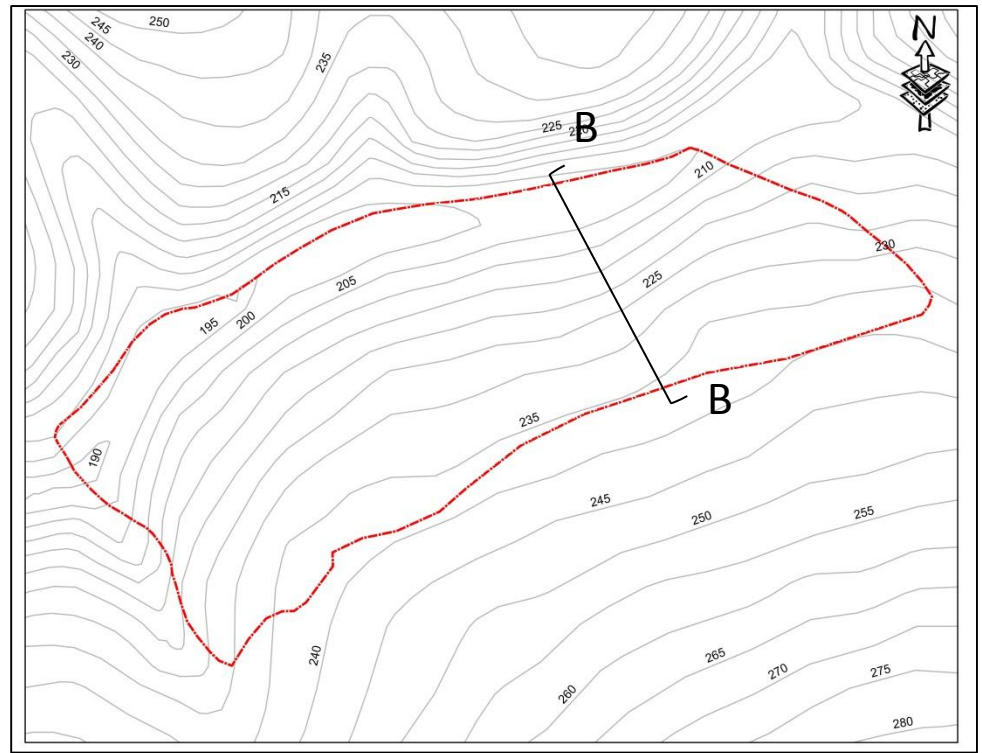
1:18,000

Section A-A

$$\text{Slope} = \frac{35}{327} = .10$$



Section B-B

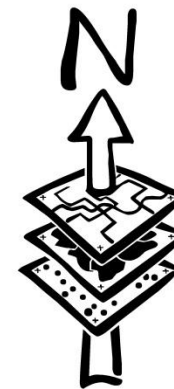
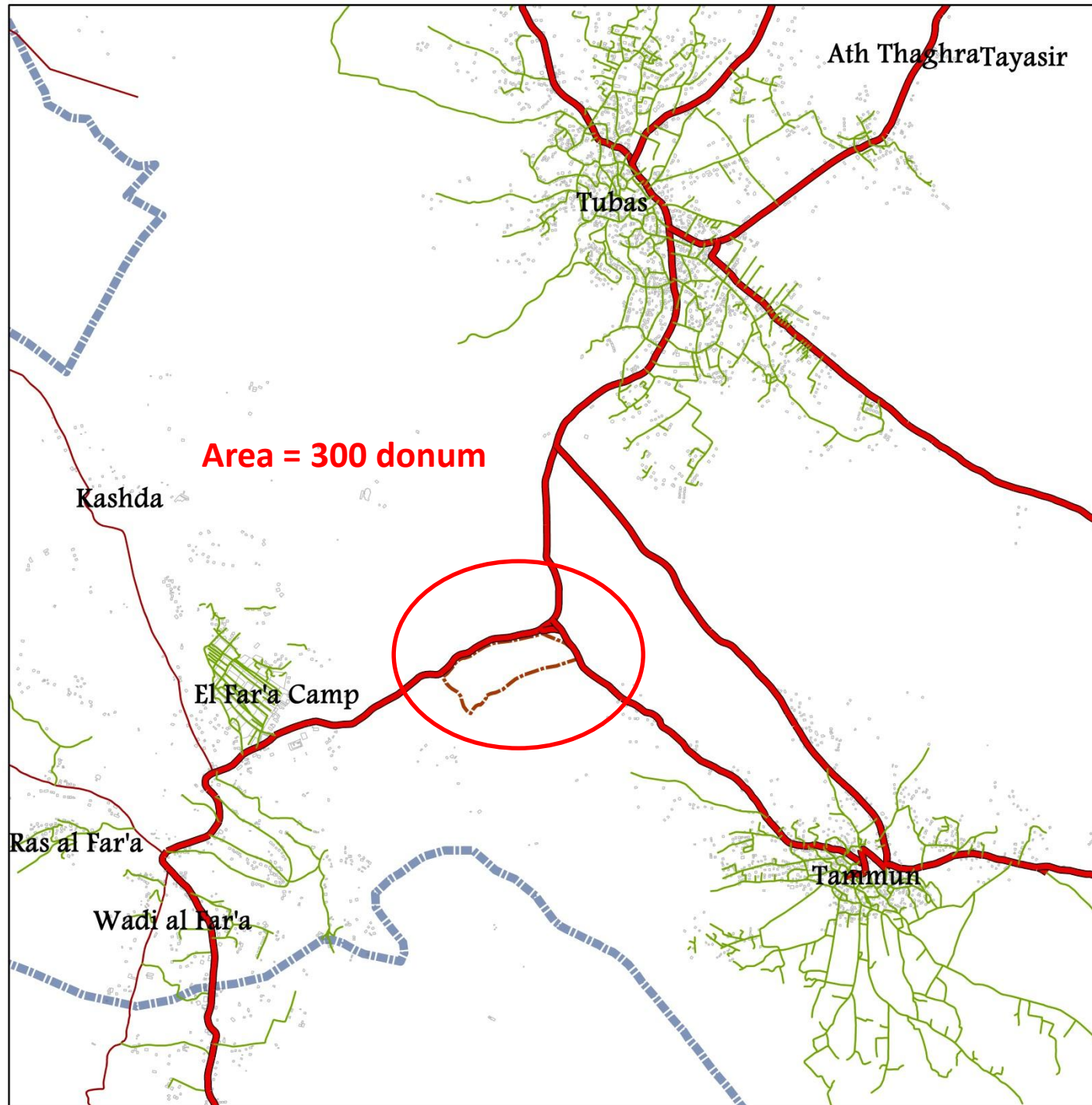


SWOT

analysis

Strengths

1. The need of Tubas governorate to the existence of an industrial area.
2. Location on a main line of transportation.
3. Enough space for the project.
4. Availability of energy and water resources



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The site Location

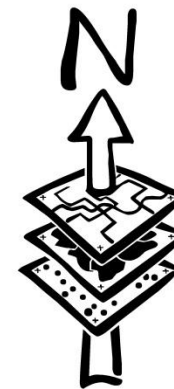
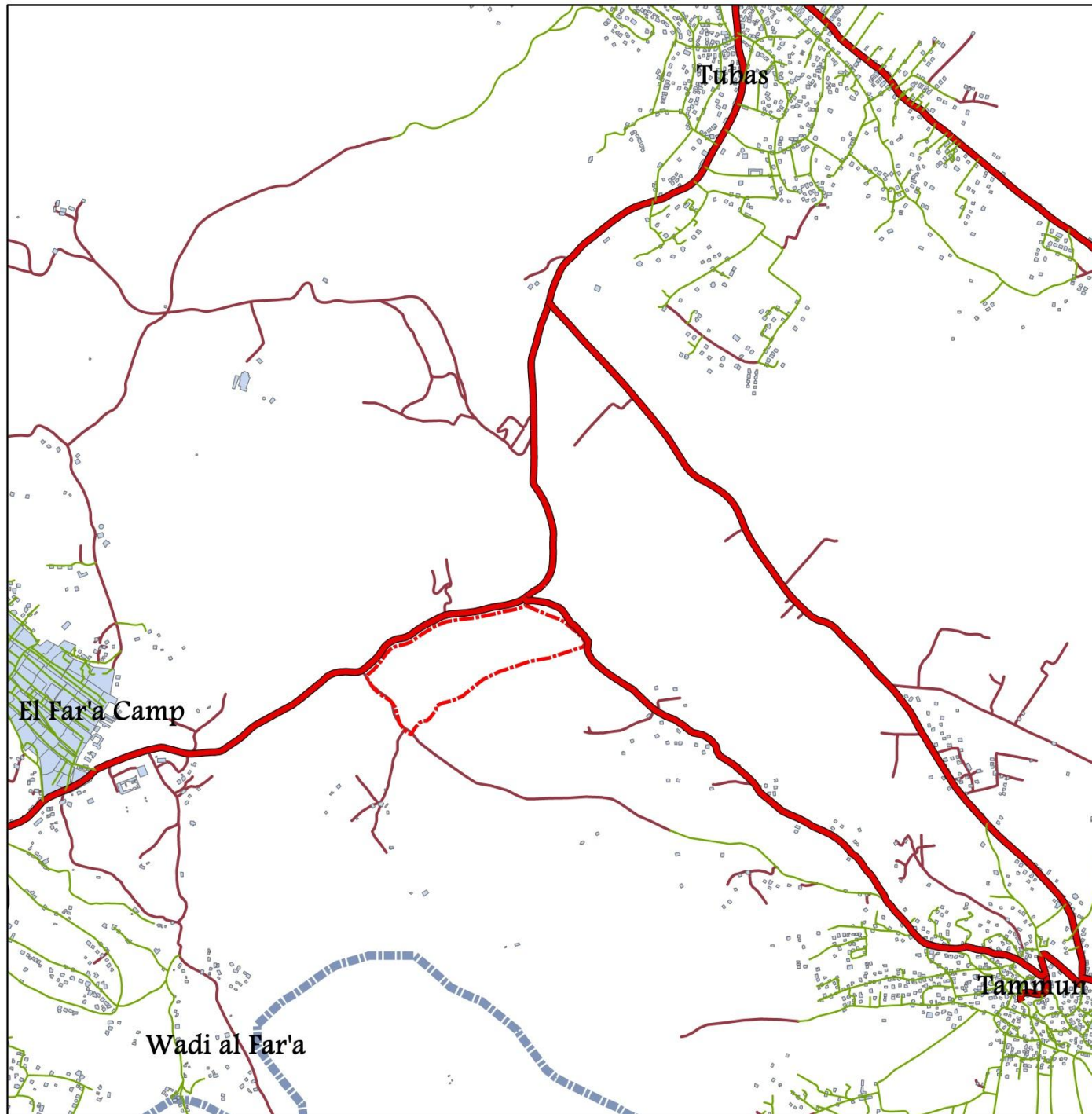
Legend

-  Tubas Governorate
-  site boundary
- Roads
 -  Internal
 -  other
 -  Main
 -  Regional

1:32,000

Weaknesses

1. The existence of buildings near the site.
2. The existence of natural reserves areas of about 900m near the site.
3. The existence of two faults lines near the site.



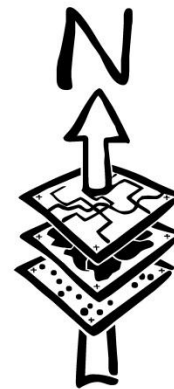
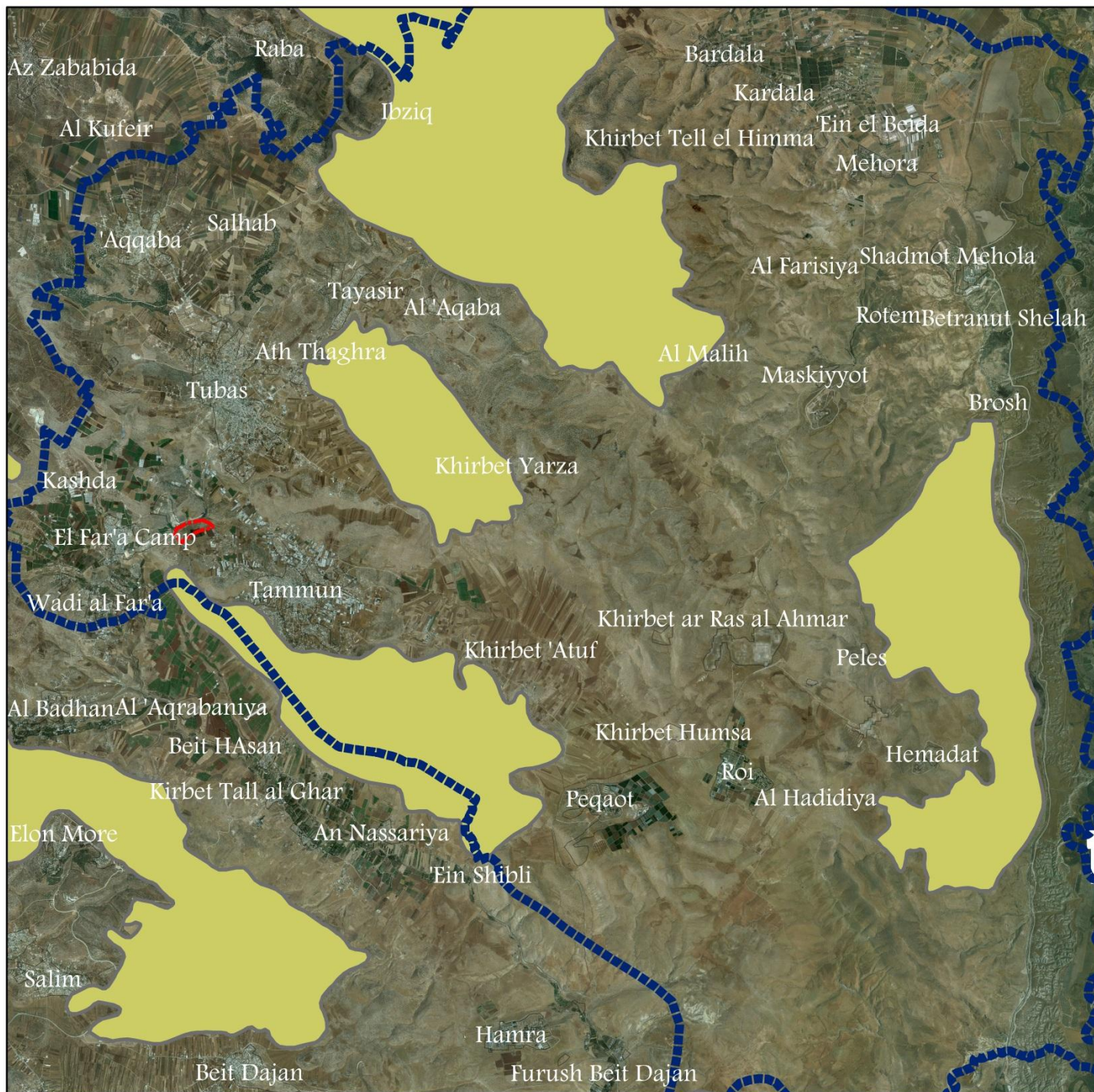
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The site surrounding buildings

Legend

-  ALL_BLDNGS
-  Tubas Governorate
-  sitebound1

1:20,000



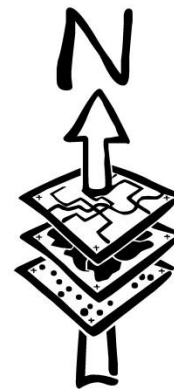
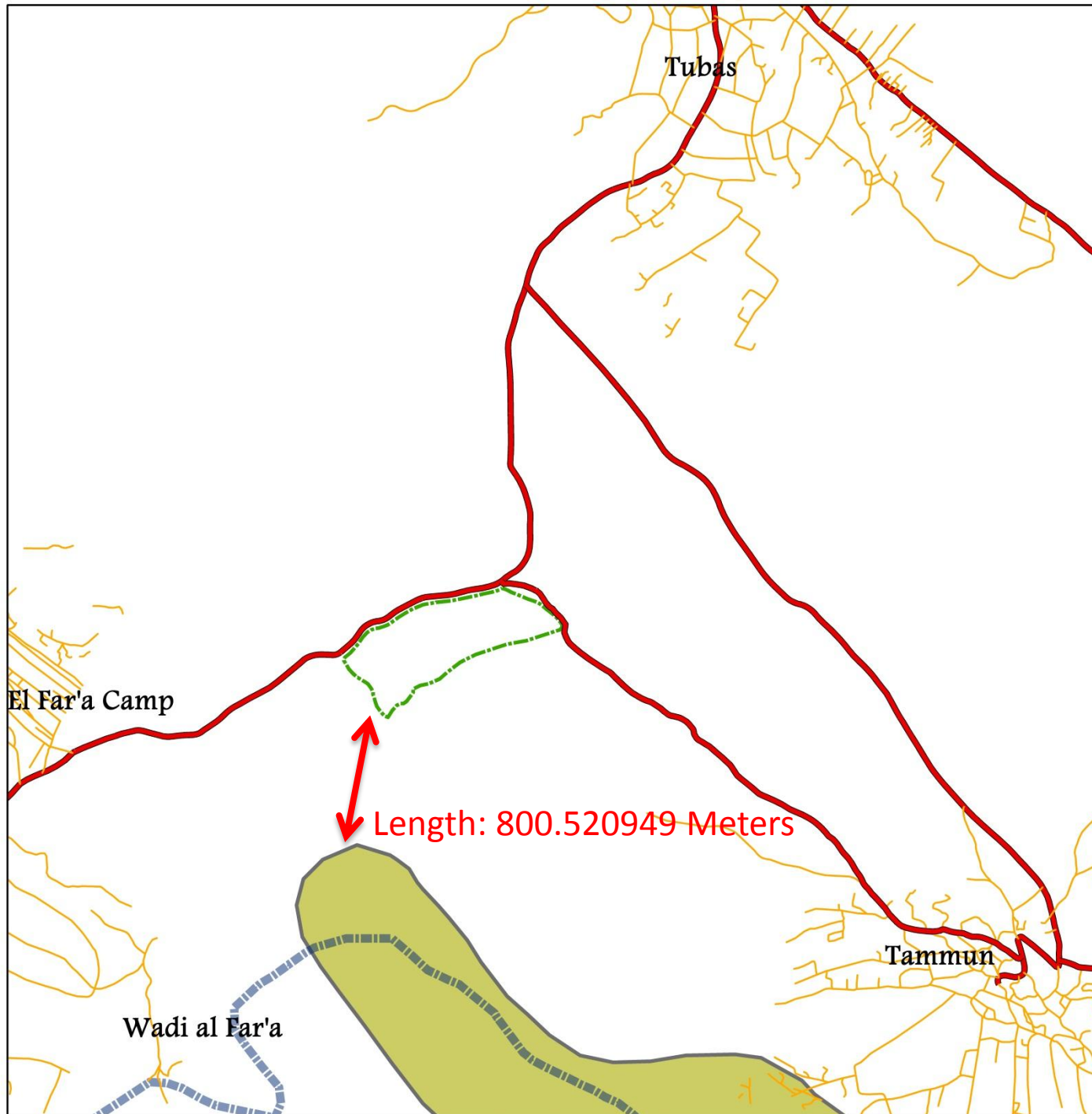
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Natural Reserves in Tubas Governorate

Legend

- tubas_governorate
- site boundary
- Natural Reserves

According to the national plan
layers



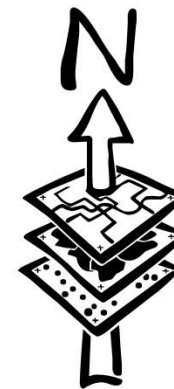
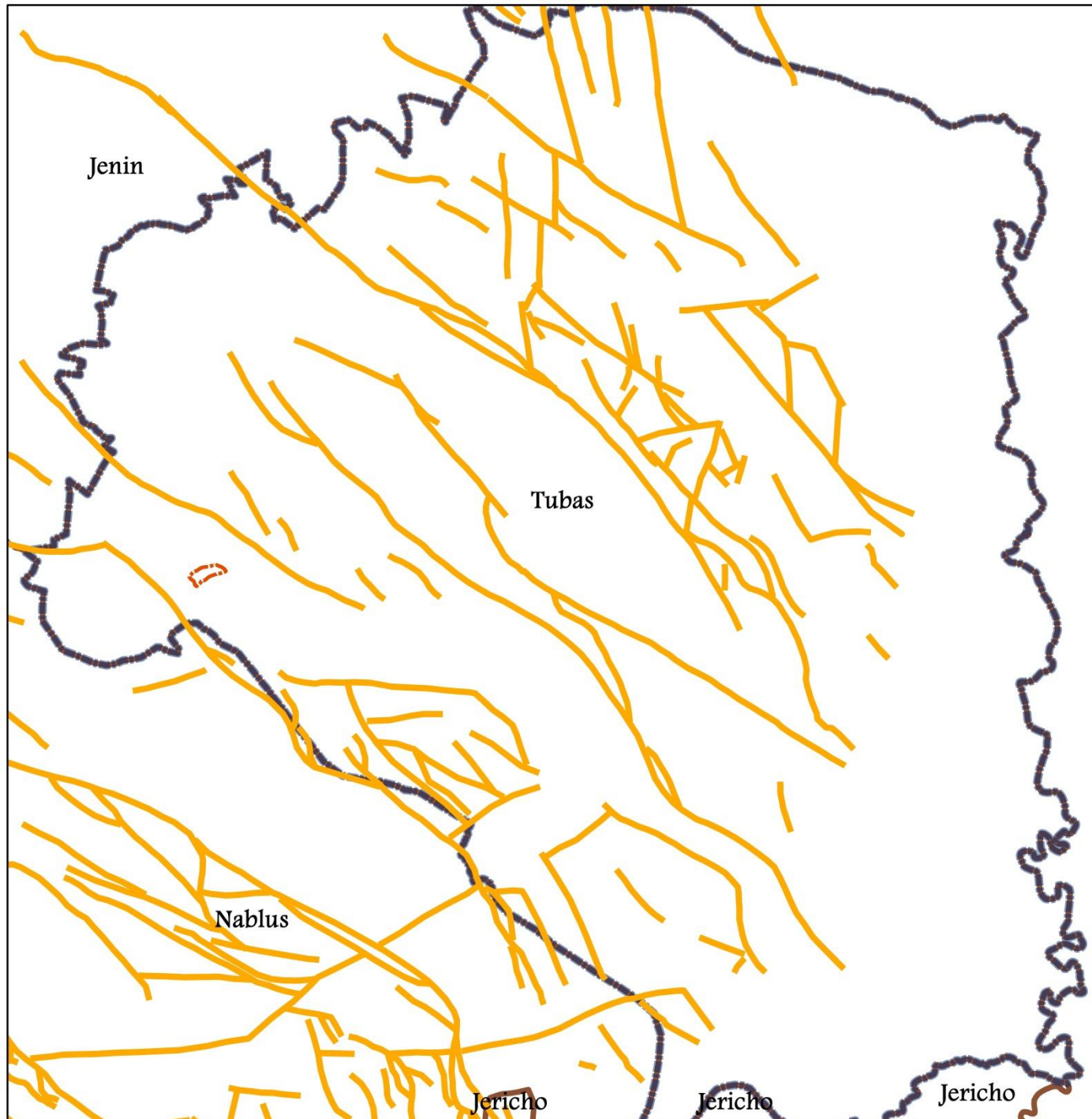
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Natural Reserves

Legend

-  Tubas Governorate
-  site boundary
-  Natural Reserves

1:20,000



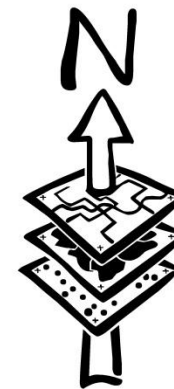
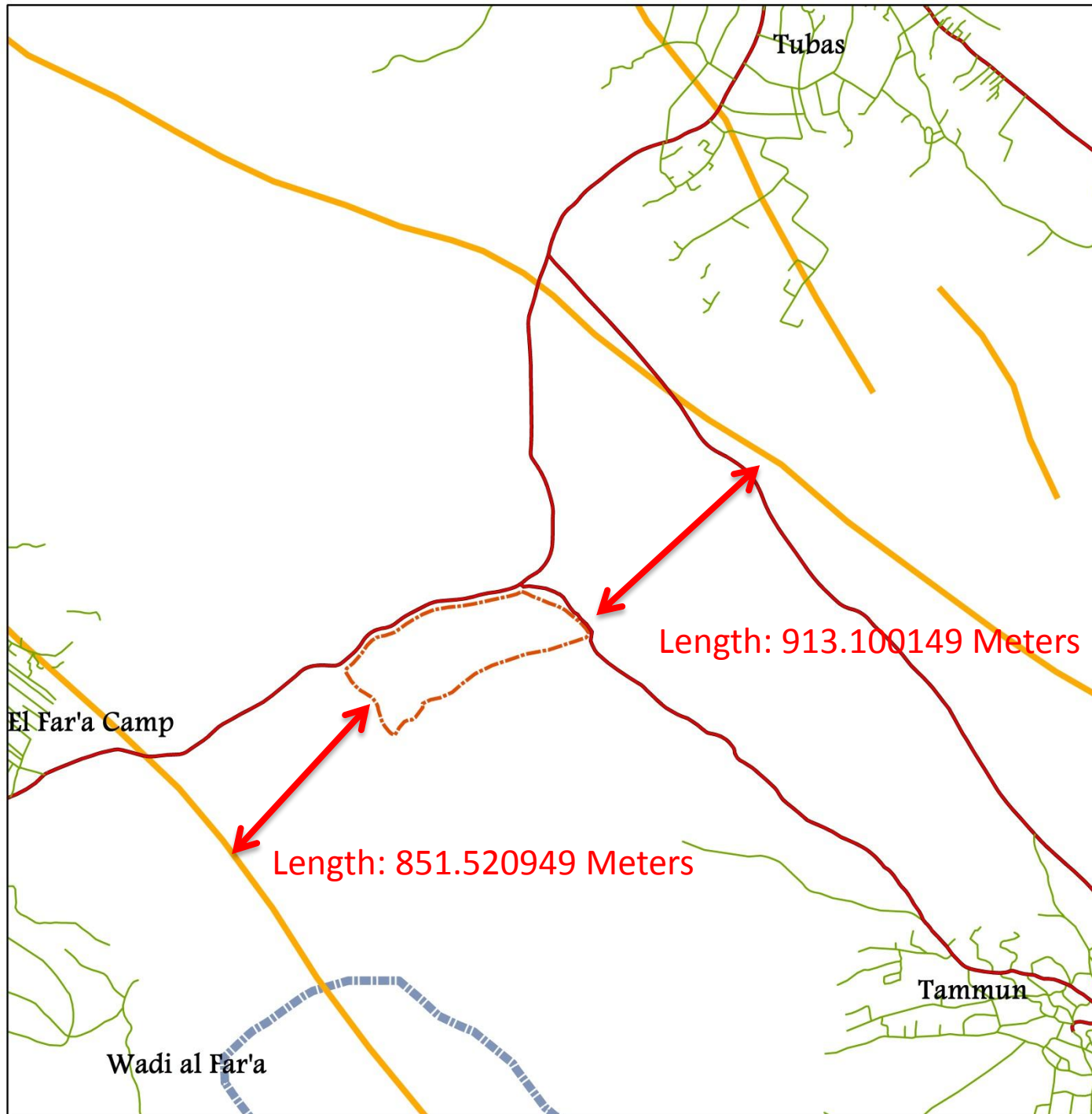
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Tubas Governorate Faults

Legend

-  Tubas Governorate
-  site boundary
-  faults

1:120,000



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Tubas Governorate Faults

Legend

-  Tubas Governorate
-  site boundary
-  faults

1:18,000

Opportunities

1. Compatibility of the project with a proposed strategic plan for the region.

Threats

1. The future Urban expansion toward the site.

Site requirements OF Industrial areas

1. The topography of the land to be easy and flat nor inclination is higher than 5% in order to avoid increased expenses or risk of flooding in the lowlands. ^o
2. Suitable land use for the type of industry and taking into account the needs of the region. [^]
3. The existence of good roads and transport links. ⁹
4. Availability and good accessibility of facilities and services. [^]
5. Availability of adequate spaces . ⁹

The Result

Due to the high percentage of slope (10%) , which constitute a weak point to the chosen site whereas more than the ratio in the criteria used in the design of industrial areas, so it has been the removal of the site back from the main street of approximately 190 meters , so that the slope will be 7% .

Area = 250 donum



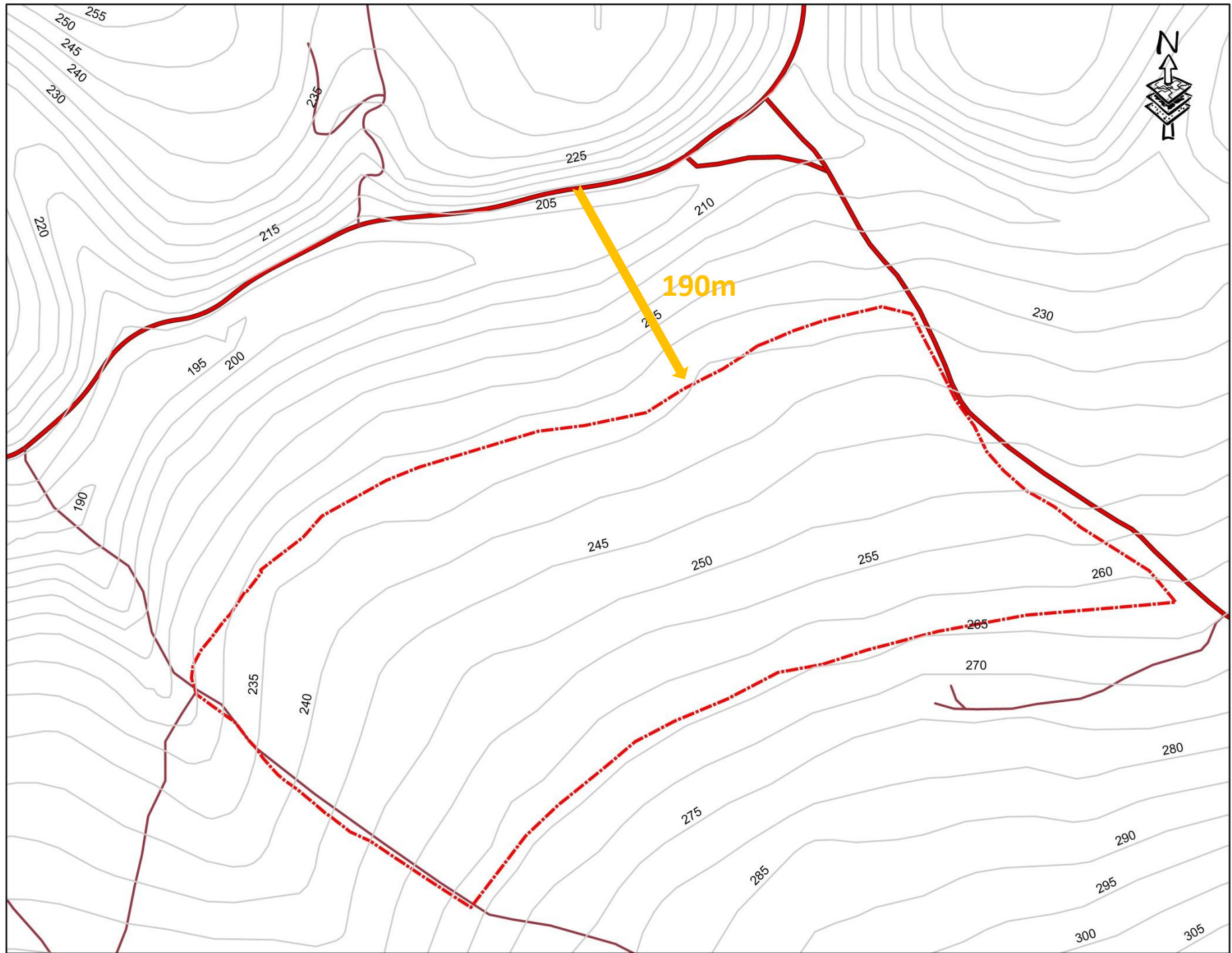
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The site location
in Tubas Governorate

Legend

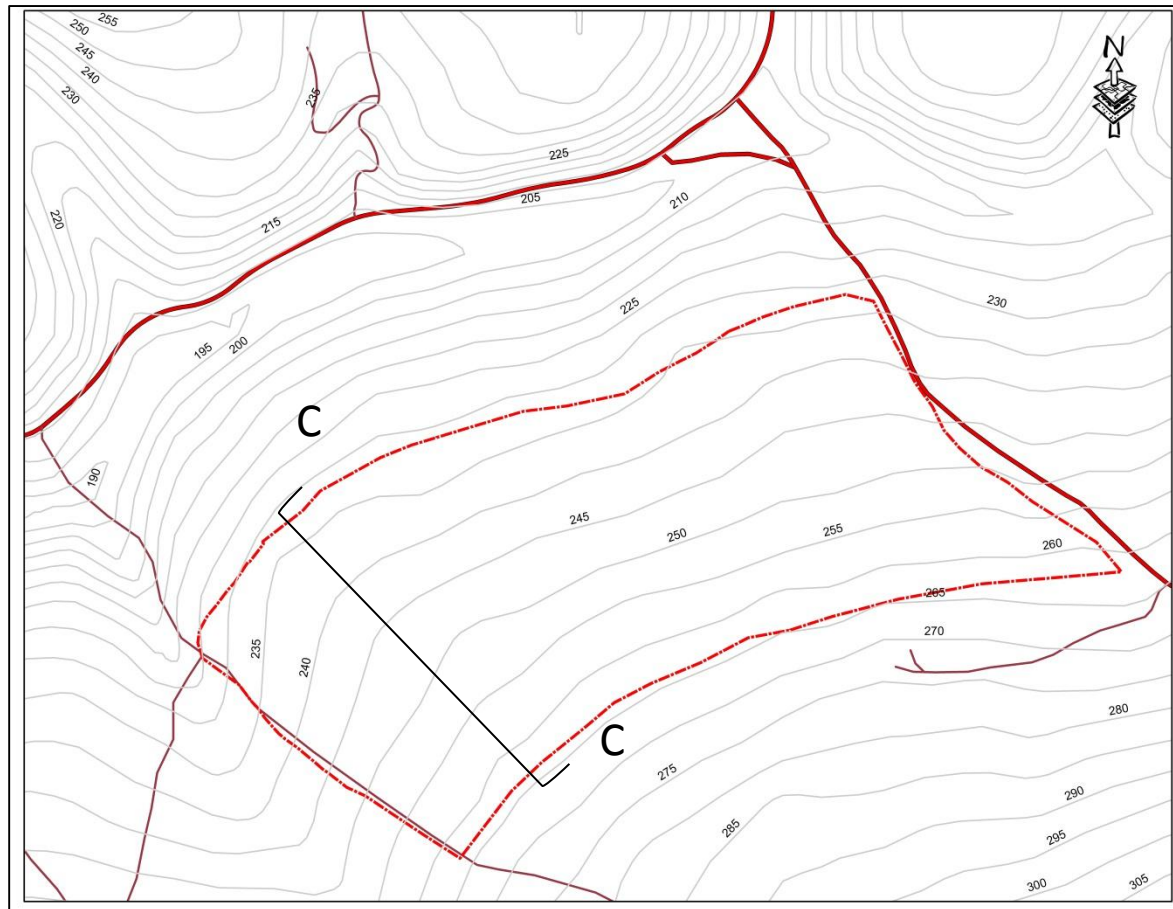
-  site boundary
-  Roads
-  Internal
-  Local
-  Main
-  Other
-  Regional

1:23,000



Section C-C

$$\text{Slope} = 25/350 \\ = .07$$



Heights

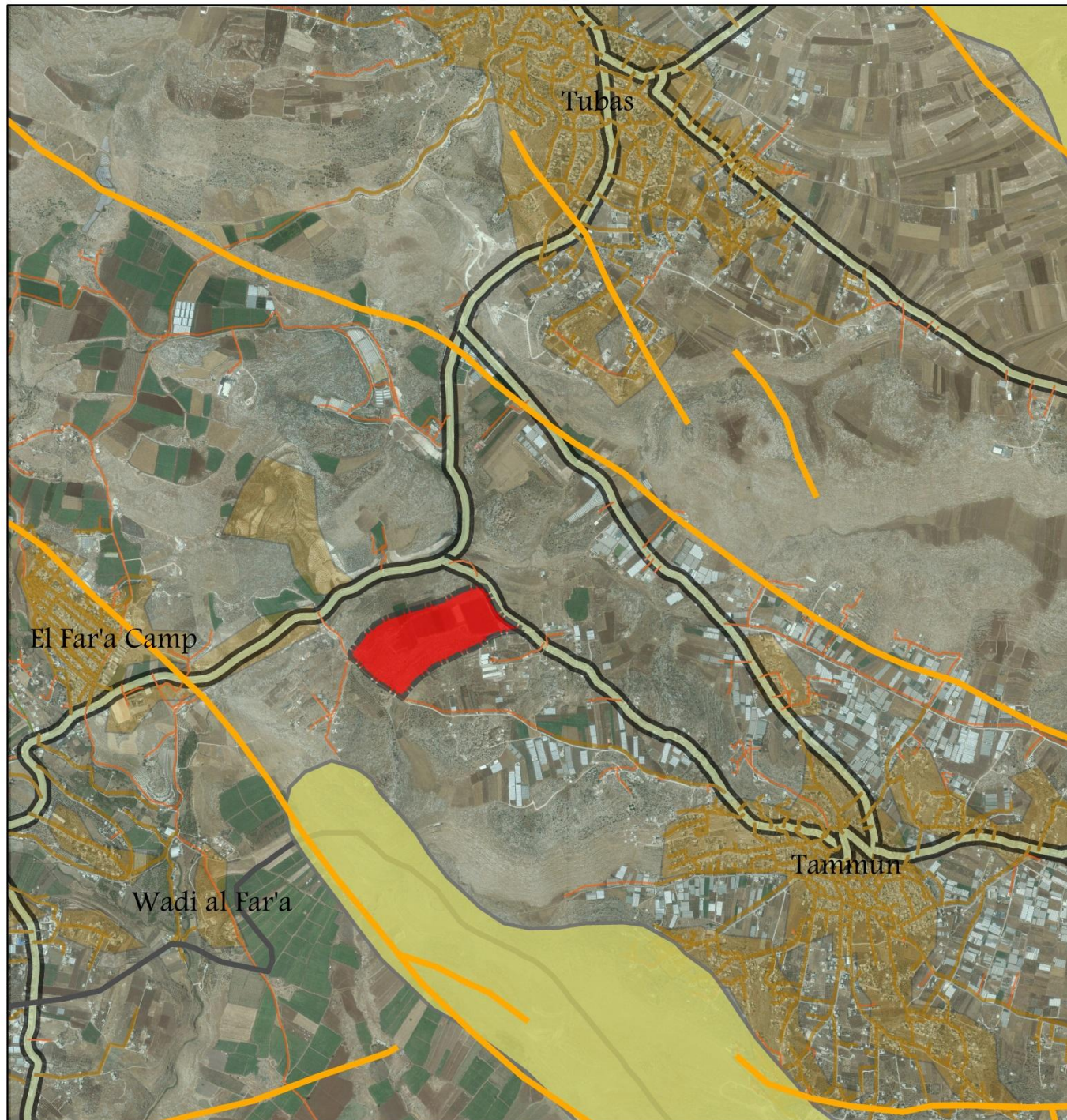
260

250

240

230

Lengths /m



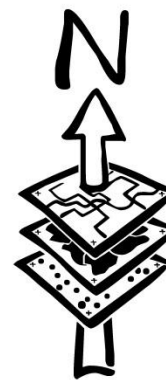
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Constraints map

Legend

-  site boundary
-  Natural Reserves
-  faults
-  BuiltUpAreas
-  Roads
-  Internal
-  Local
-  Main
-  Other
-  Regional

1:26,000



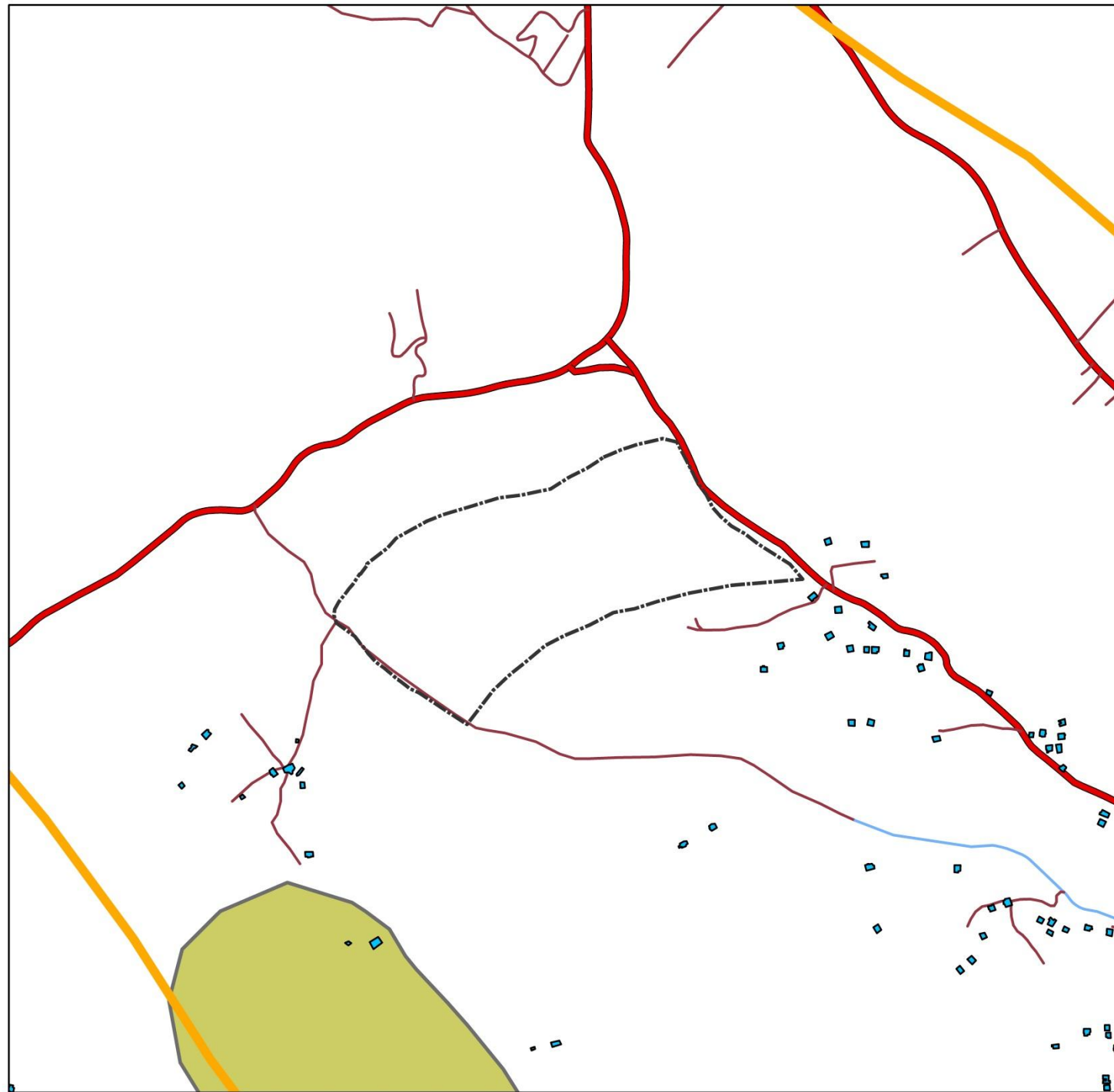
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Urban Planning Department

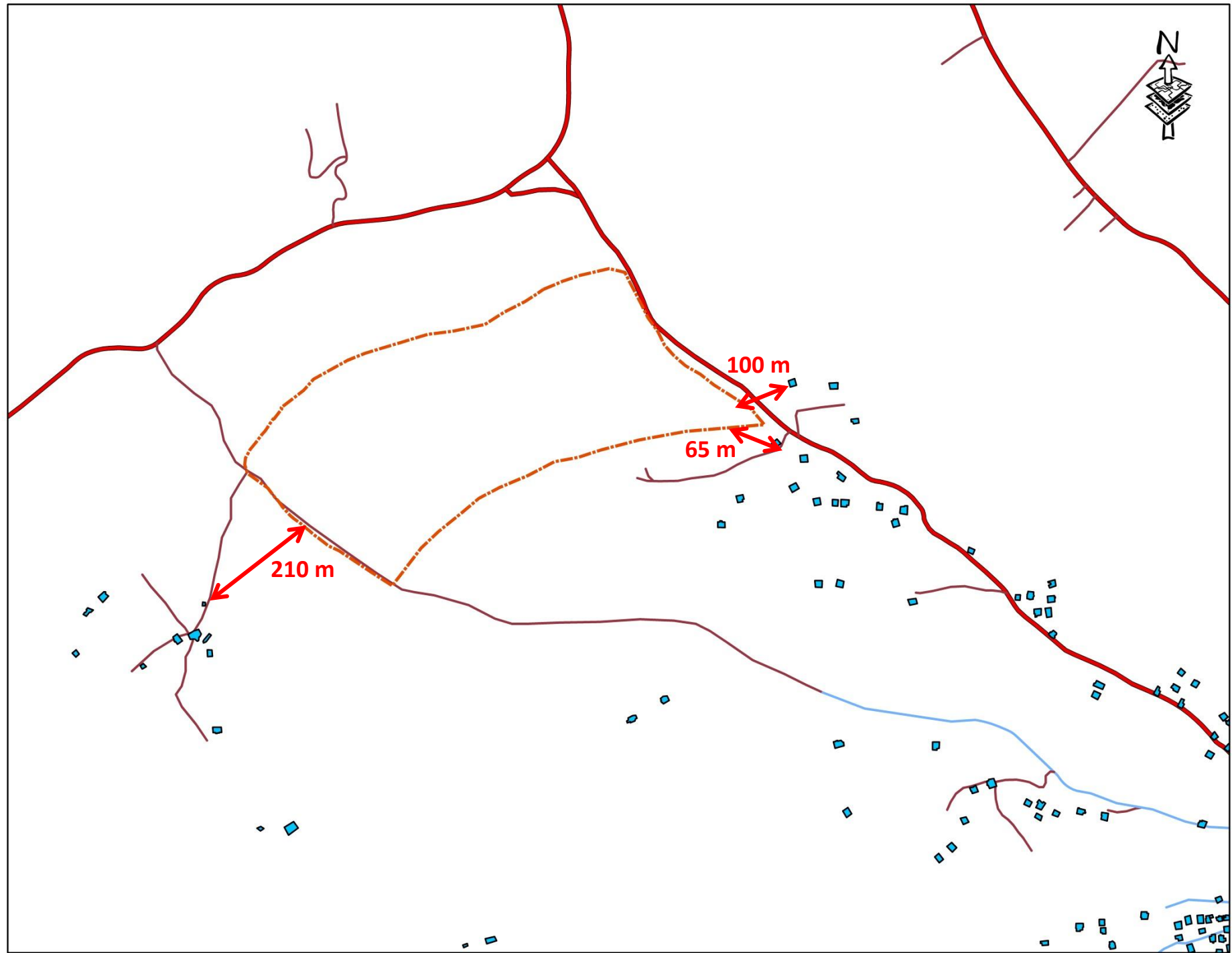
SWOT Analysis Weaknesses

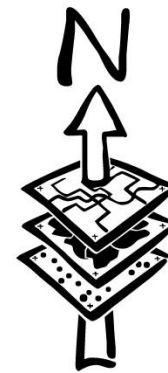
Legend

-  Natural Reserves
-  site boundary
-  faults
-  Roads
-  Internal
-  Local
-  Main
-  Other
-  Regional
-  Buildings

1:10,000







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Seismic zones of Tubas Governorate

Legend

site boundary

Roads

Internal

Local

Main

Other

Regional

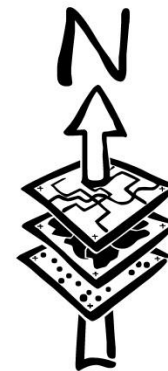
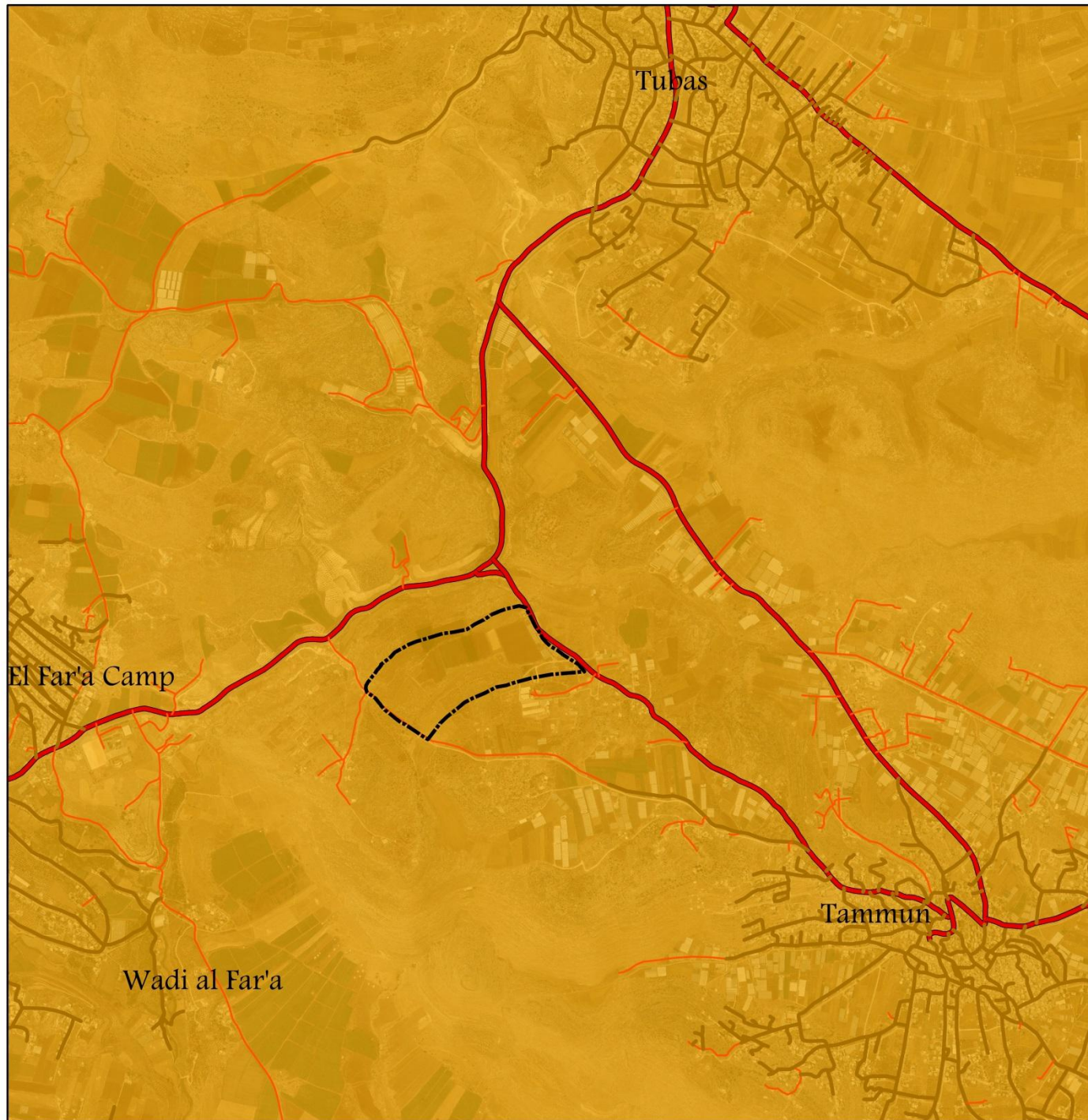
SeismicZones

Zone 2A

Zone 3

Zone2B

1:22,000



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Urban Planning Department

Administrative Classification of Tubas Governorate

Legend

 site boundary

Roads

 Internal

 Local

 Main

 Other

 Regional

Area_ABC

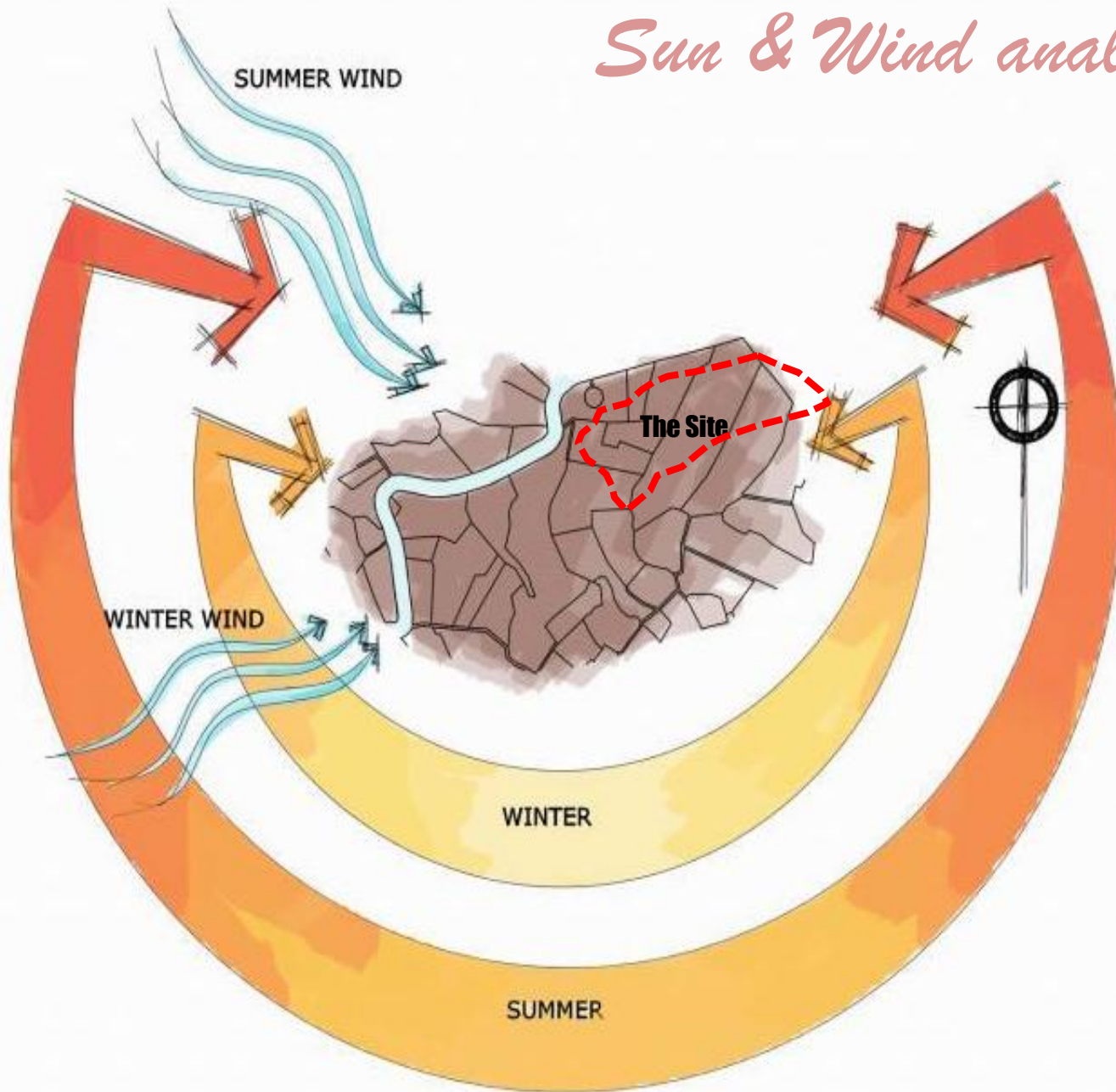
 Area A

 Area B

 Area C

1:22,000

Sun & Wind analysis



الرؤية

و

الأهداف

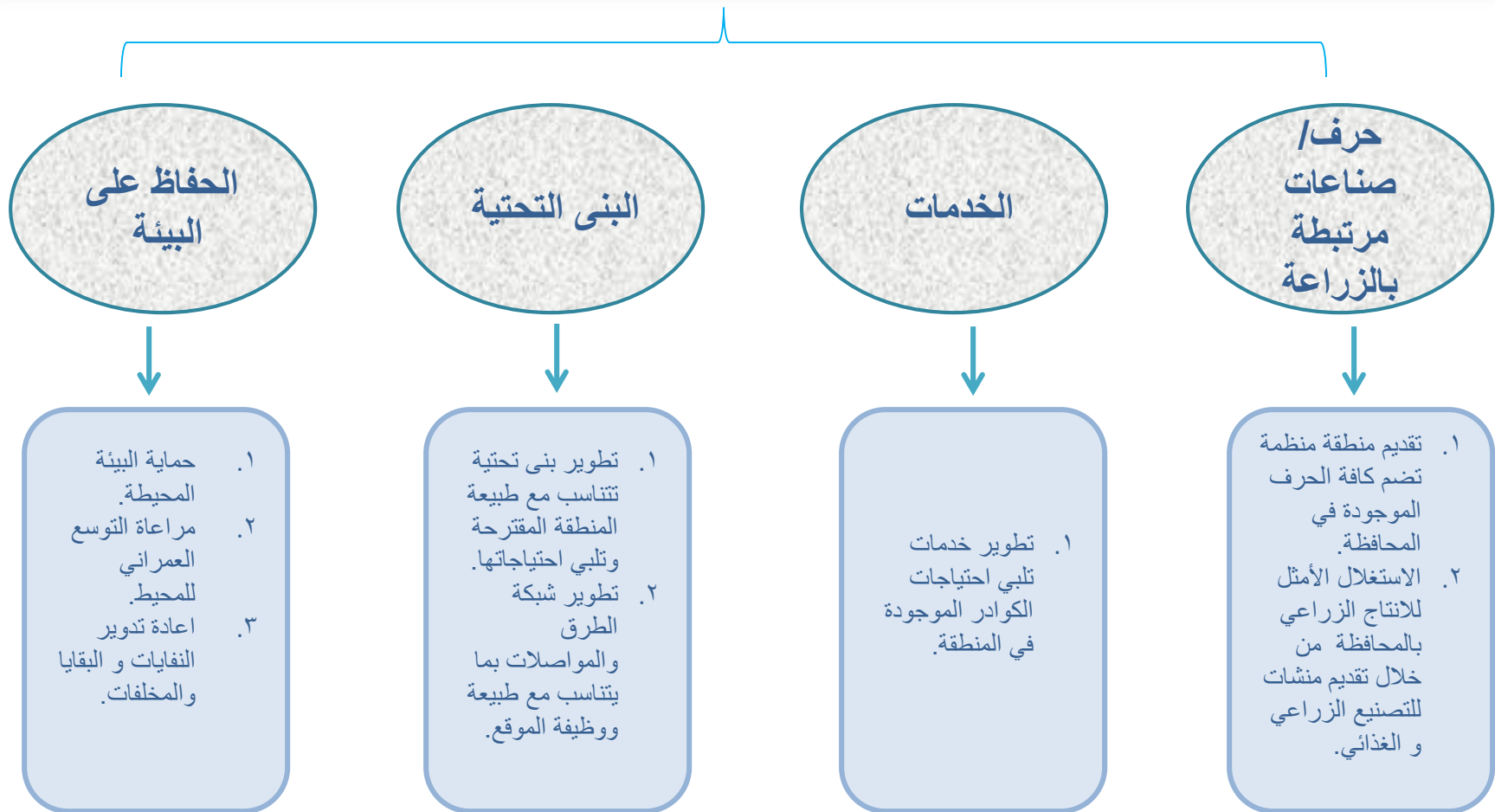
أهداف المشروع

١. جعل المشروع جزء من الخطة التنموية المقترحة للمنطقة.
٢. تقديم منطقة منظمة تضم كافة الحرف الموجودة في المحافظة.
٣. تقديم فرص عمل للمجتمع المحلي .
٤. حماية البيئة المحيطة.
٥. الاستغلال الأمثل للإنتاج الزراعي بالمحافظة من خلال تقديم منشآت للتصنيع الزراعي و الغذائي.

رؤية المشروع

منطقة حرفية و منسجمة مع الطبيعة الزراعية للمحافظة ،
ذات خدمات و بنى تحتية ملائمة ،
محافظة على البيئة

منطقة حرفية و منسجمة مع الطبيعة الزراعية للمحافظة ، ذات خدمات و بنى تحتية ملائمة ، محافظة على البيئة



انواع الصناعات المقترحة في المنطقة:

١. صناعات زراعية و غذائية.

٢. الحرف و الصناعات المهنية.

٣. صناعات انشائية.

Conceptual Plan

