

The Area and Flow Direction of Waste Water Collection Systems For Nahaleen Town



Palestine Polytechnic University
College Of Engineering And Technology

Project Title:
Design Of Wastewater Collection For Nahaleen

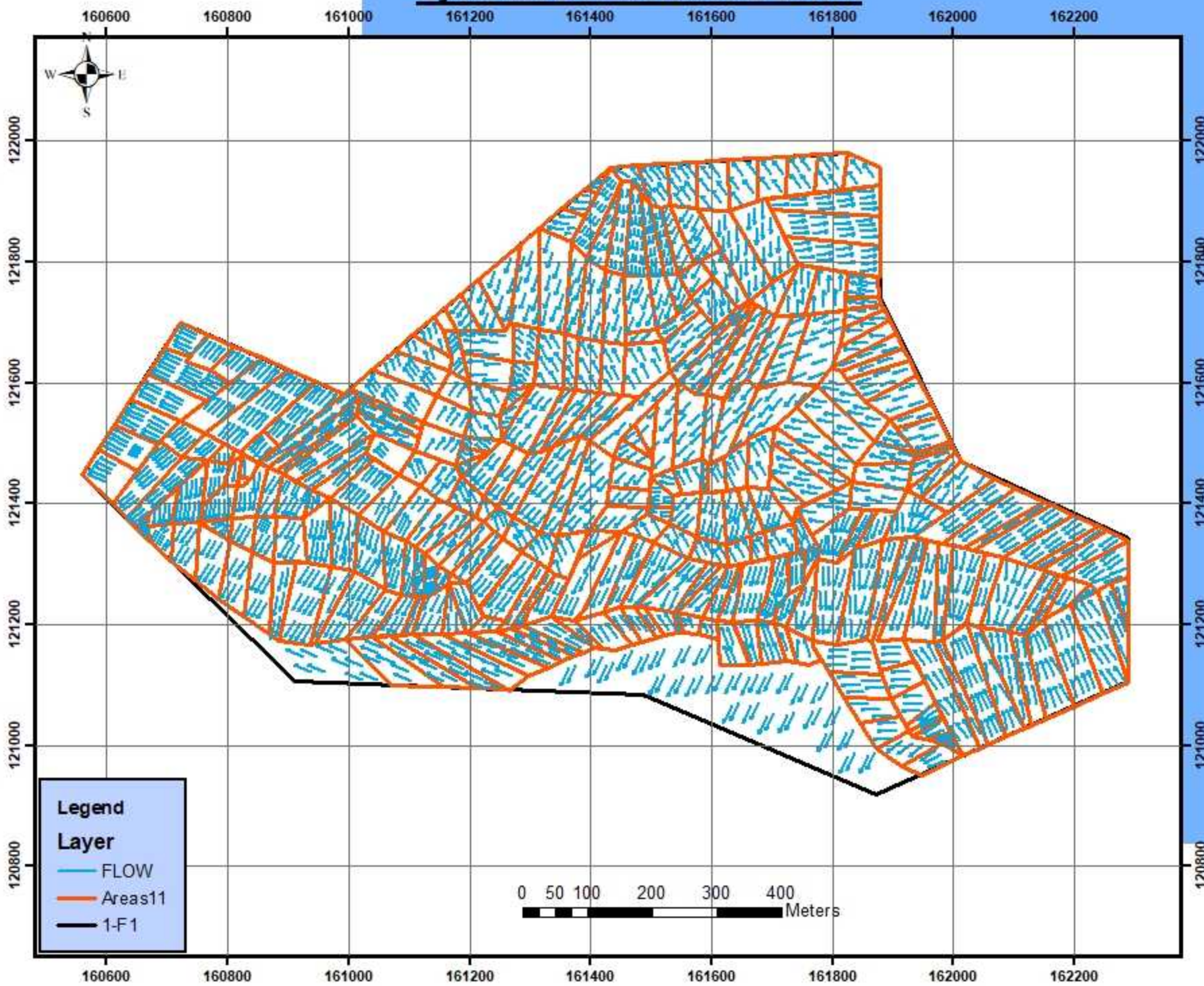
Supervisor:
Dr. Itissam Abuiziah

Created By:
Rateeba Alkaraki
Majd AlNatshah

Coordinate System:
Palestine_1923_Palestine_Grid



Figure Number (4.3)



Layout of Waste Water Collection Systems For Nahaleen Town With Flow Direction



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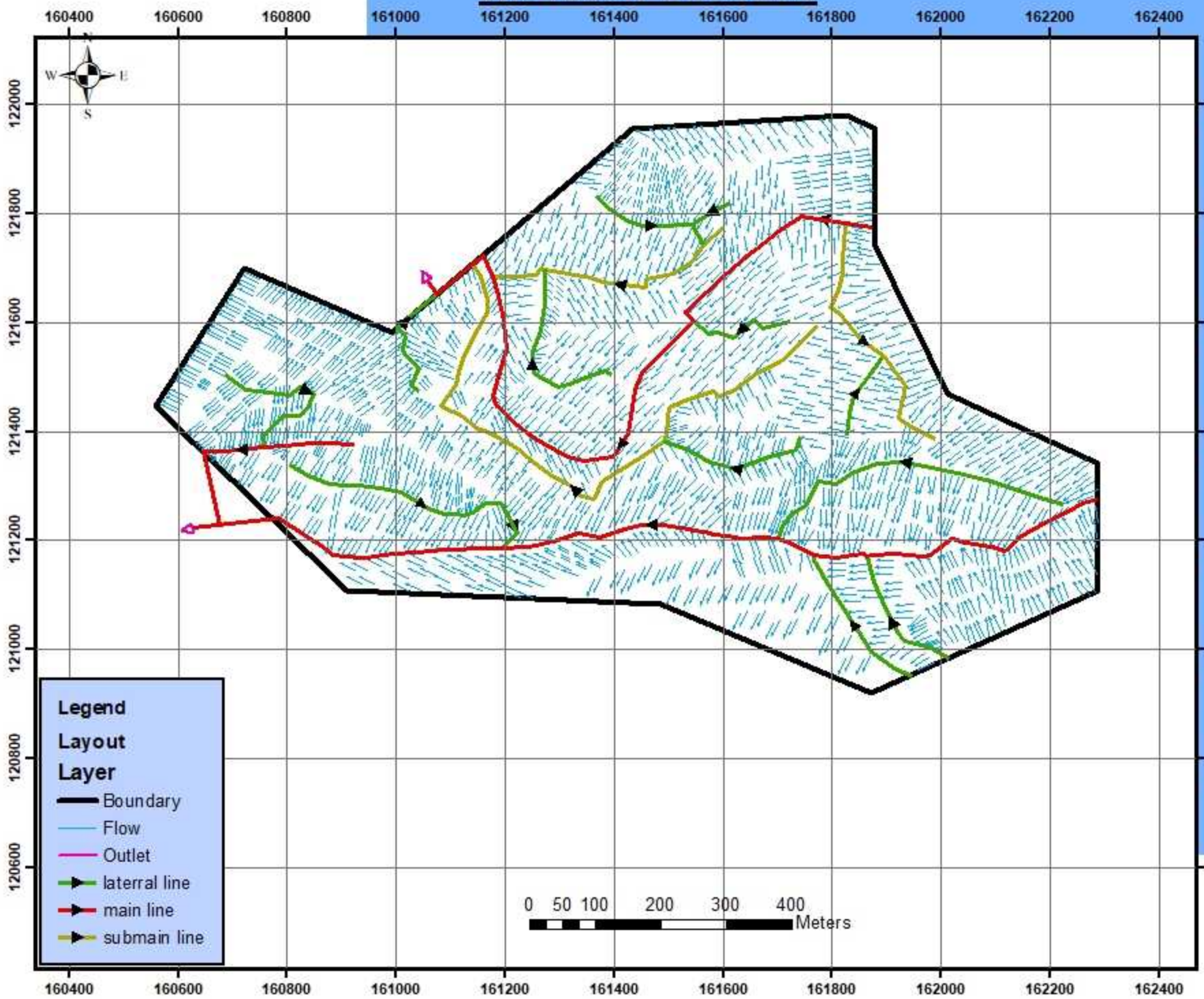
Supervisor:
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Majd AINatsheh

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Figure Number (4.2)



Layout of Waste Water Collection Systems For Nahaleen Town With Flow Direction and Contour



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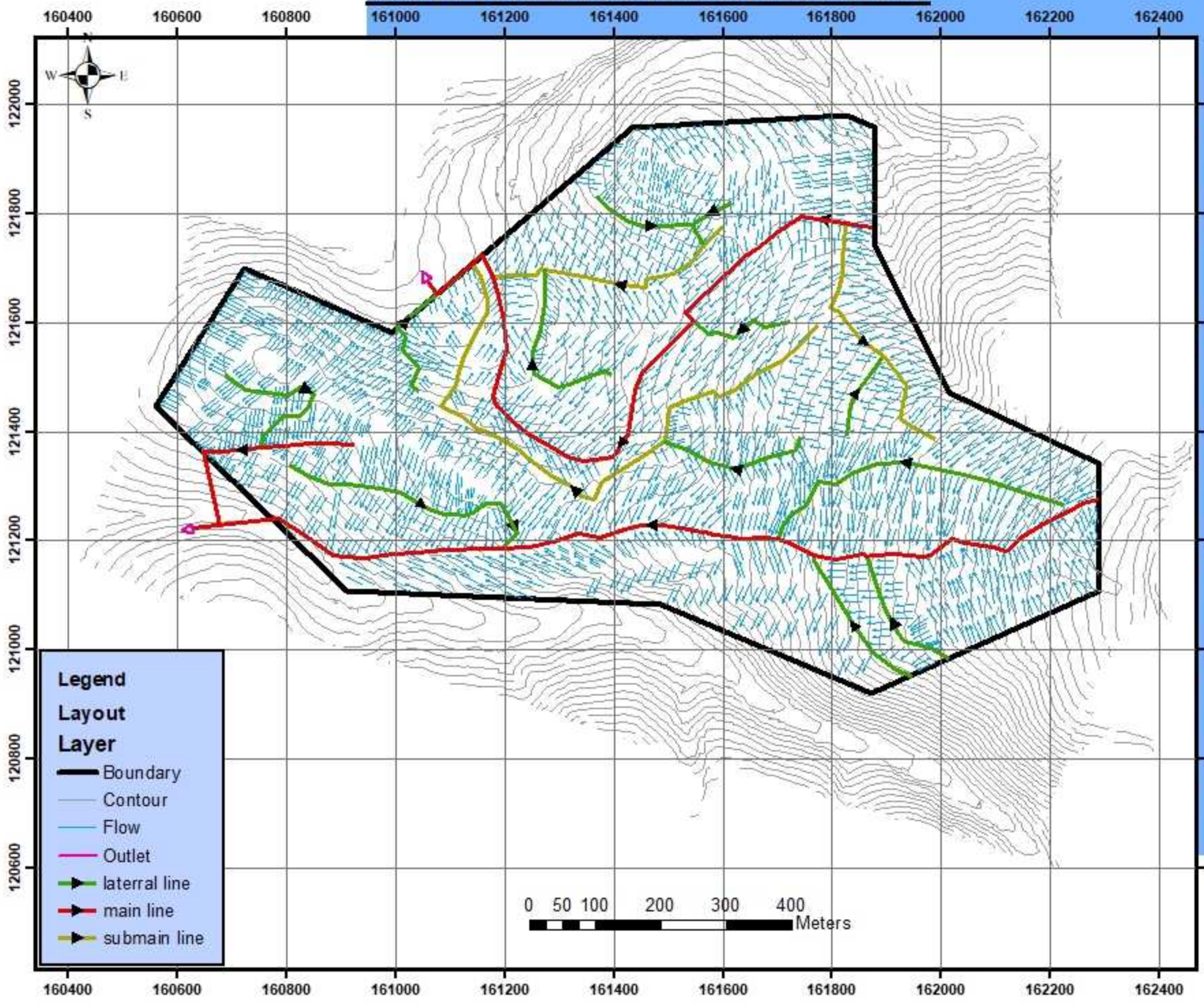
Supervisor:
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Figure Number (4.1)



Landuse For Nahaleen Town



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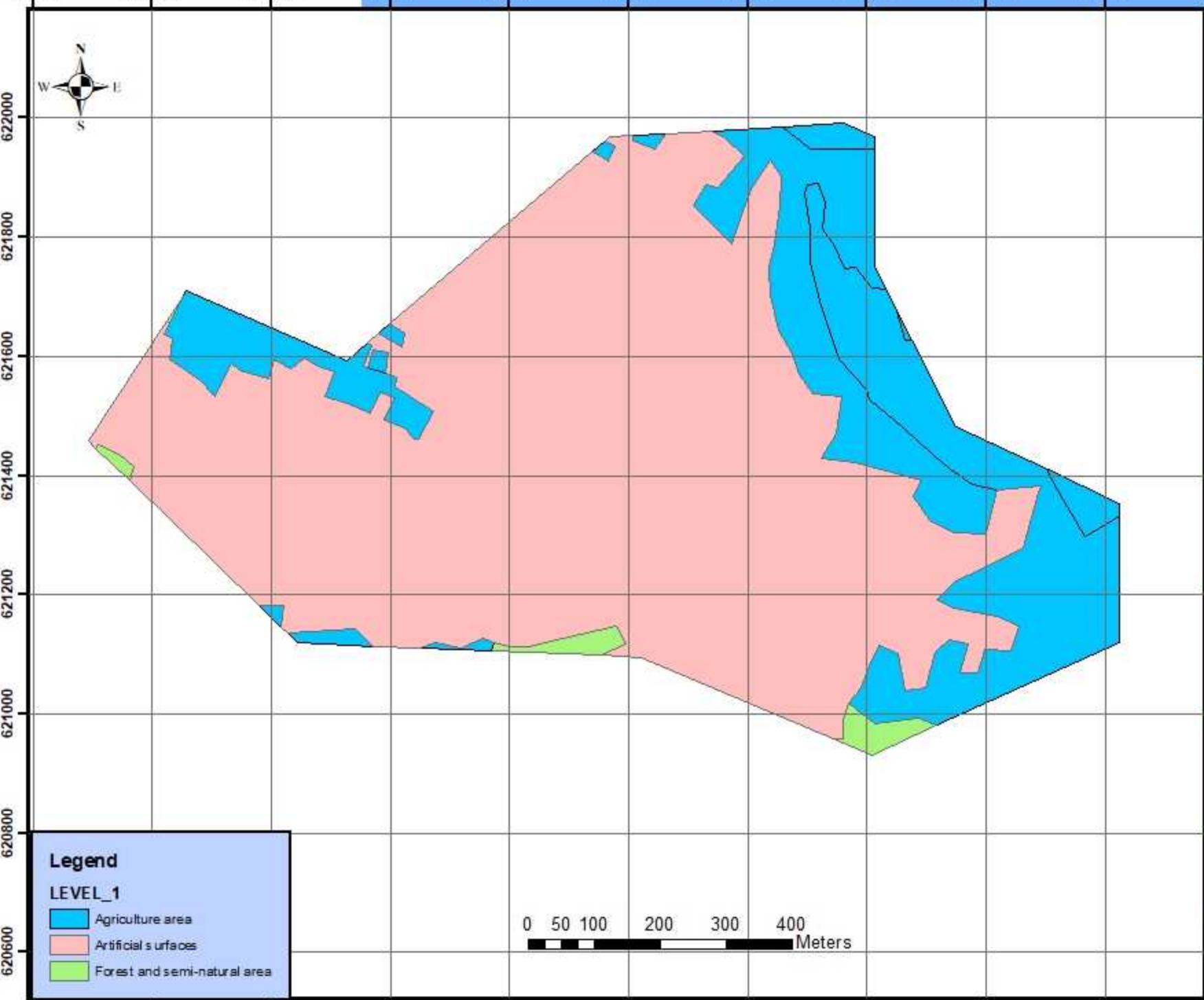
Created By:
Rateeba Alkaraki
Majd AINatshah

Coordinate System:
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Figure Number (2.3)

210600 210800 211000 211200 211400 211600 211800 212000 212200 212400



Legend
LEVEL_1

- Agriculture area
- Artificial surfaces
- Forest and semi-natural area

0 50 100 200 300 400 Meters

210600 210800 211000 211200 211400 211600 211800 212000 212200 212400

622000
621800
621600
621400
621200
621000
620800
620600

622000
621800
621600
621400
621200
621000
620800
620600

Location of Nahaleen Respect to Other cities



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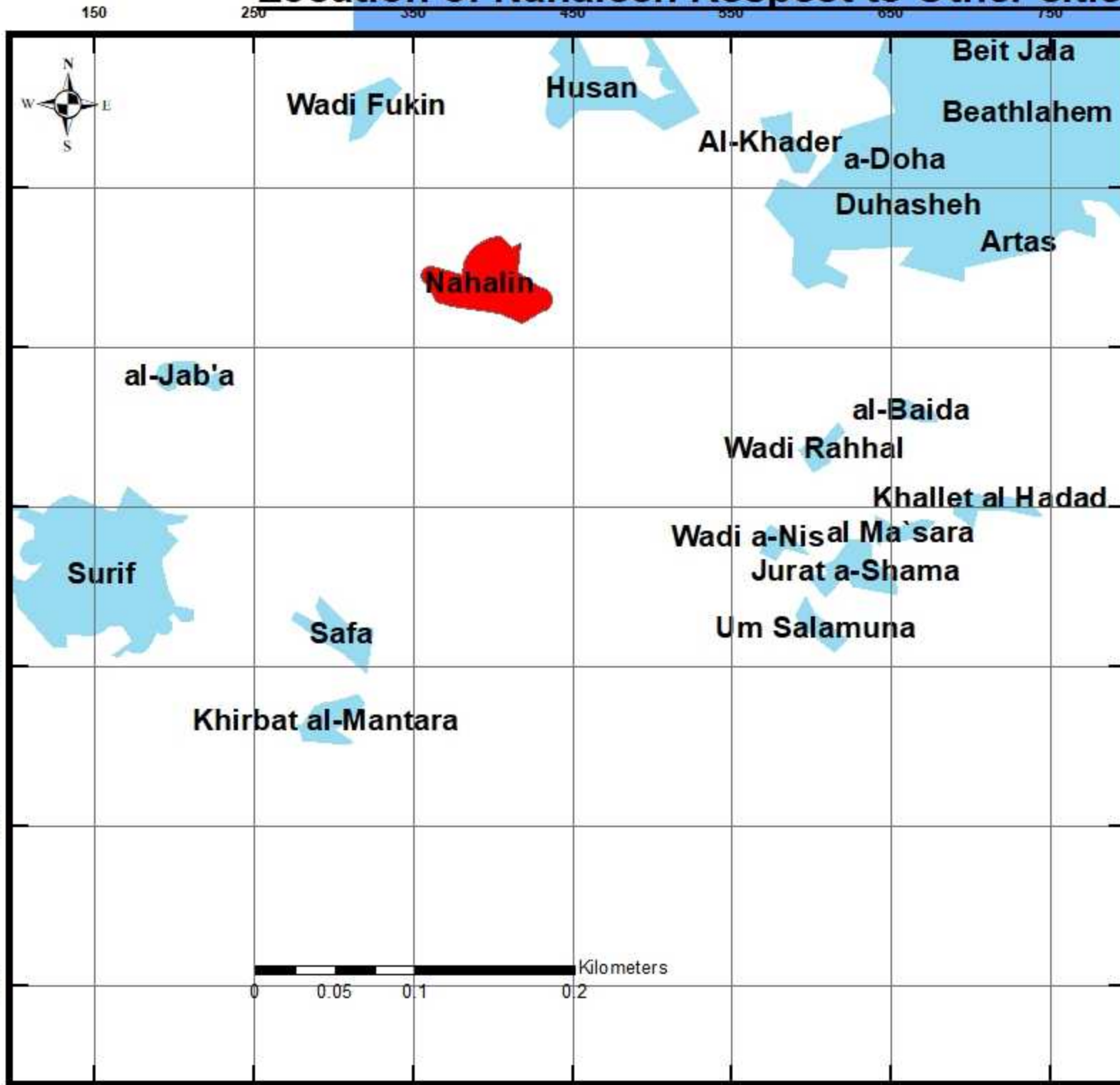


Figure Number (2.1)

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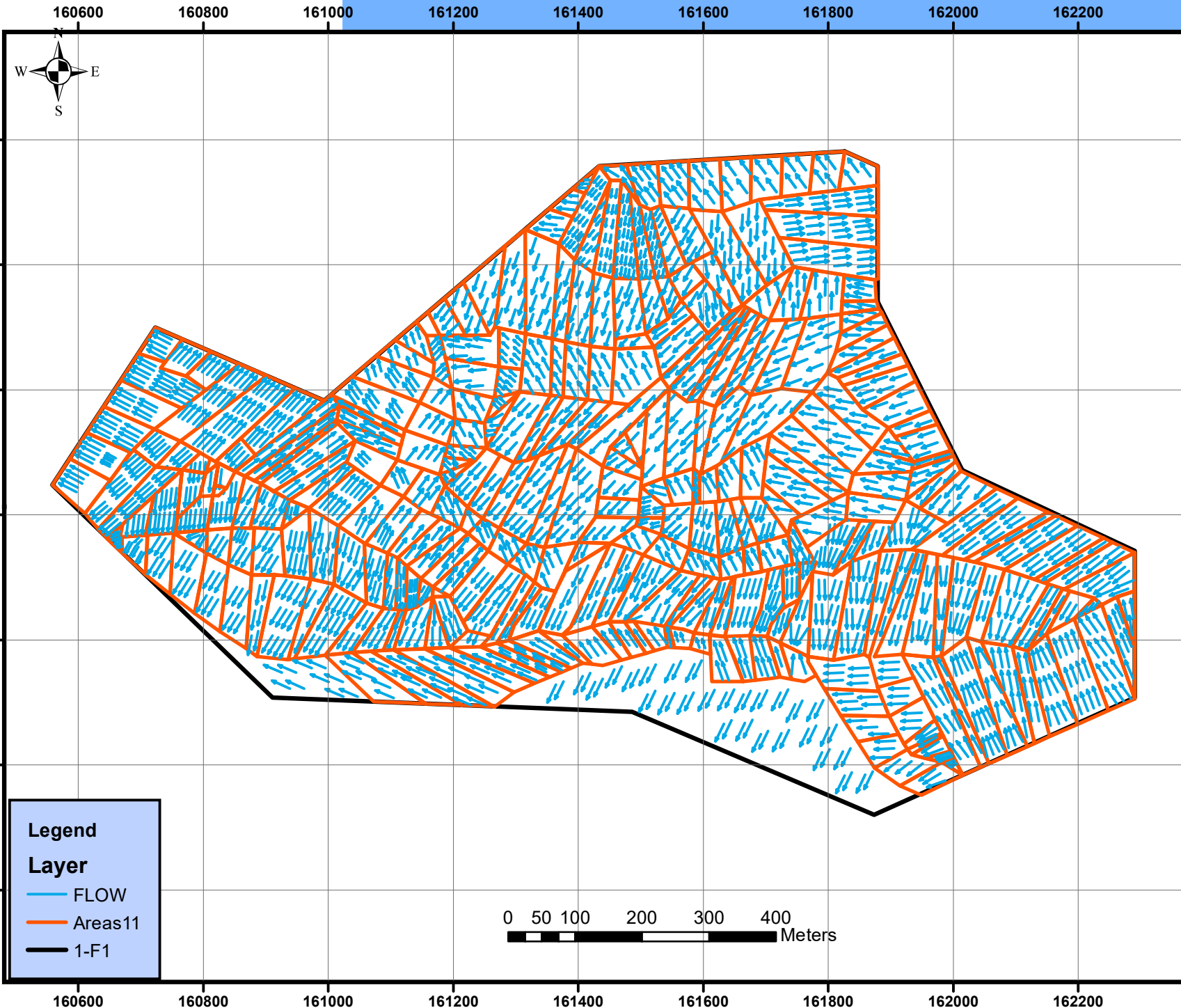
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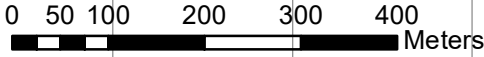
Figure Number (4.3)



Legend

Layer

- FLOW
- Areas11
- 1-F1



Layout of Waste Water Collection Systems For Nahaleen Town With Flow Direction



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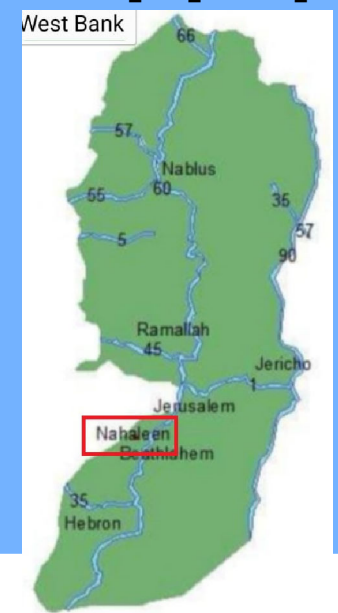
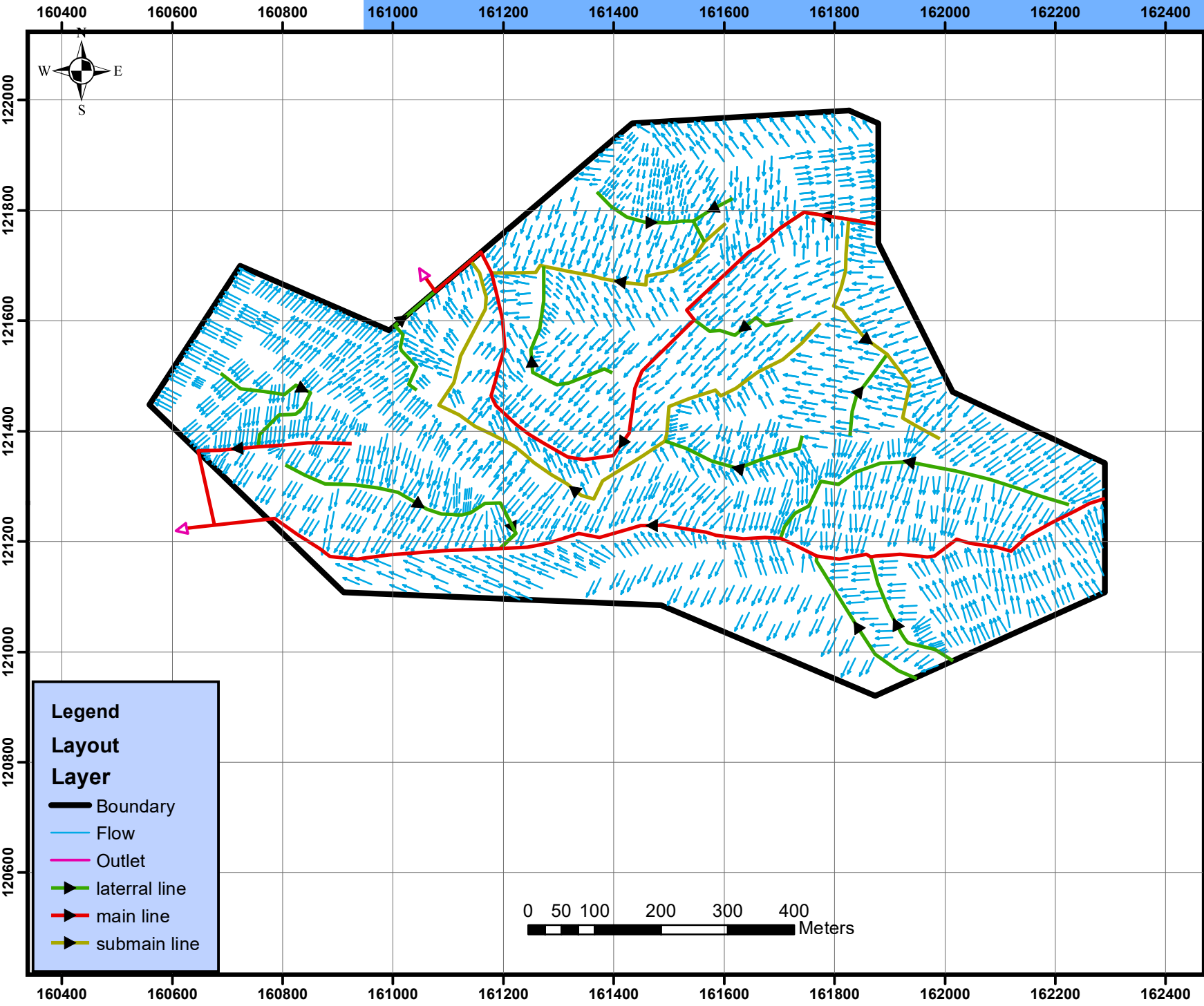


Figure Number (4.2)

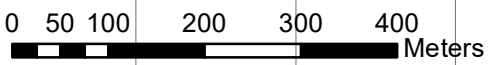


Legend

Layout

Layer

- Boundary
- Flow
- Outlet
- lateral line
- main line
- submain line



Layout of Waste Water Collection Systems For Nahaleen Town With Flow Direction and Contour



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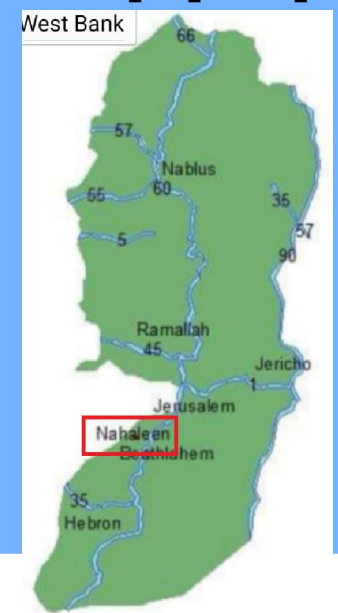
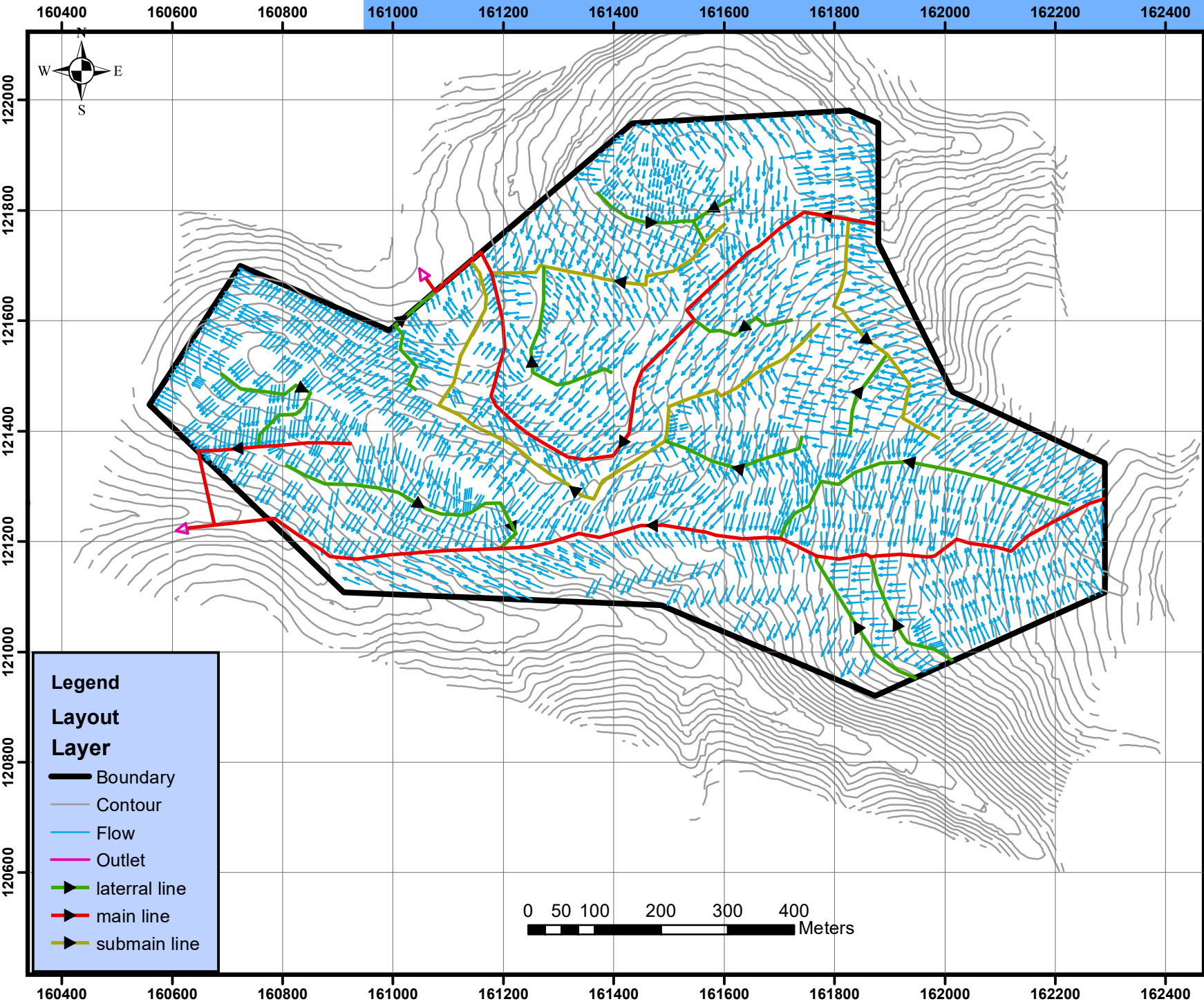


Figure Number (4.1)



Landuse For Nahaleen Town



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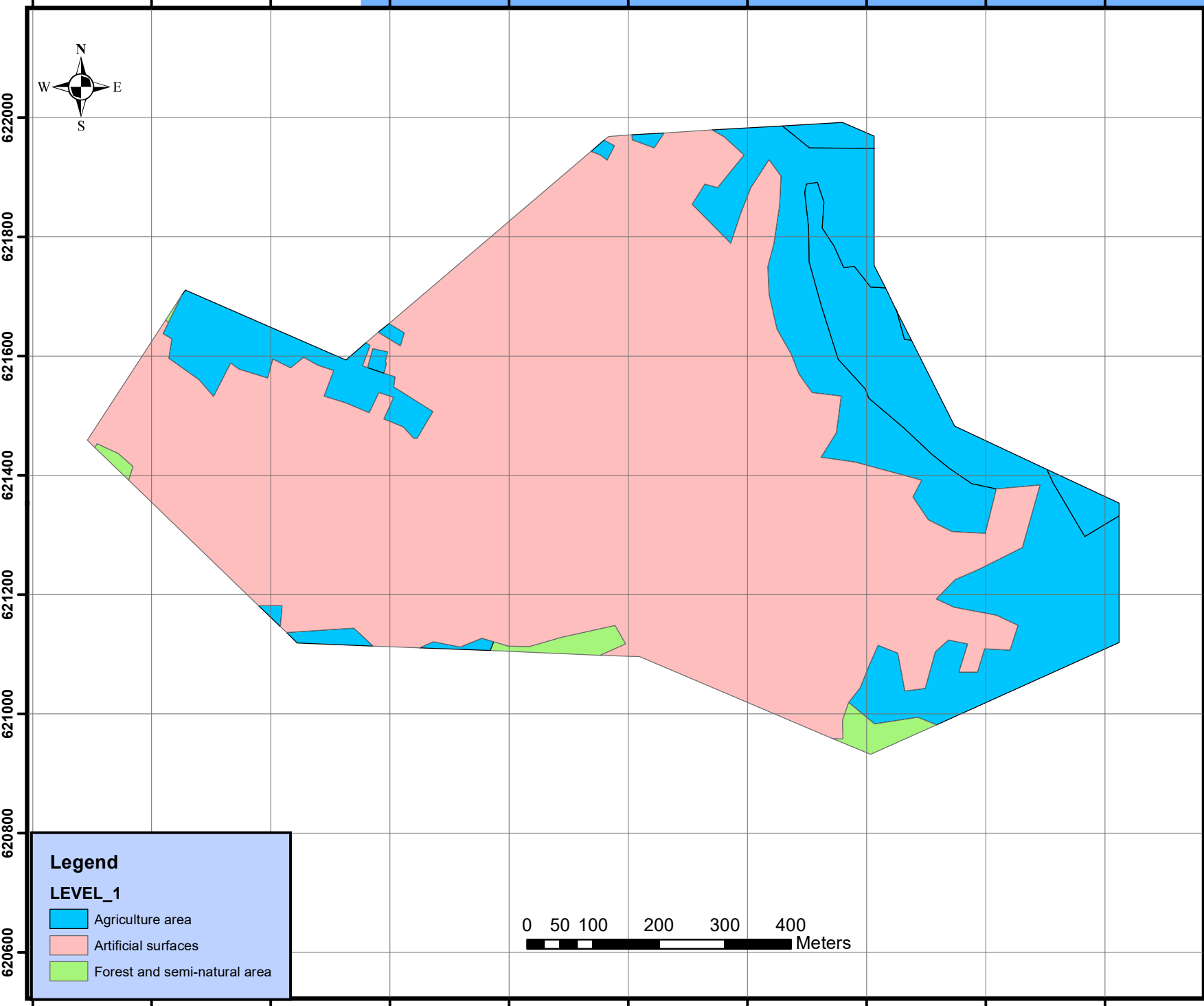
Created By:
Rateeba Alkaraki
Majd AlNatsheh

Coordinate System:
Palestine_1923_Palestine_Grid



Figure Number (2.3)

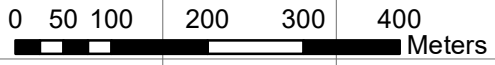
210600 210800 211000 211200 211400 211600 211800 212000 212200 212400



Legend

LEVEL_1

- Agriculture area
- Artificial surfaces
- Forest and semi-natural area



210600 210800 211000 211200 211400 211600 211800 212000 212200 212400

622000
621800
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Location of Nahaleen Respect to Other cities



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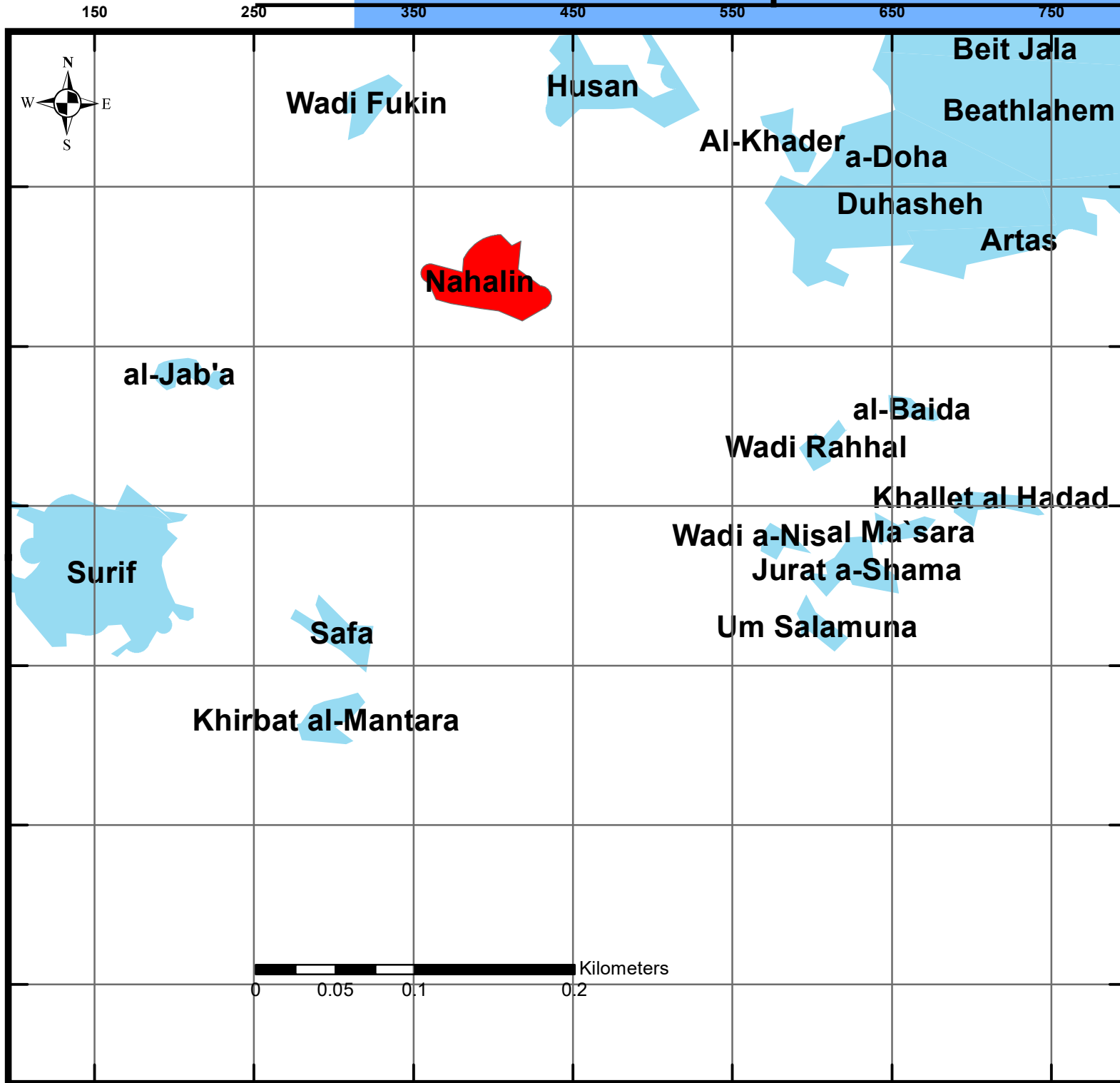


Figure Number (2.1)

Line Name of Waste Water Collection Systems For Nahaleen Town



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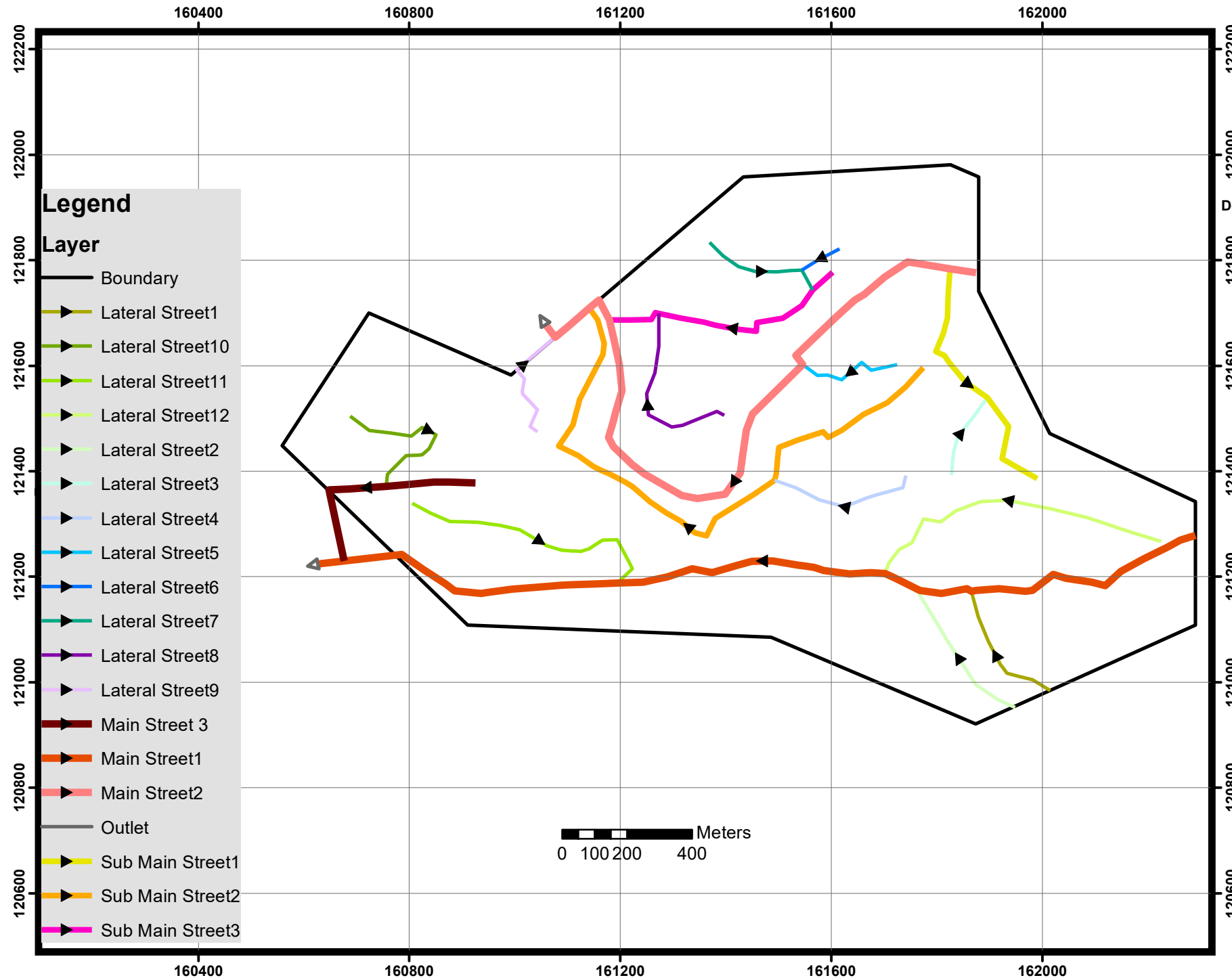
Supervisor:
Dr.Ittissam Abuizah

Created By:
Rateeba Alkaraki
Majd AINatsheh

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Palestine_1923_Palestine_Grid



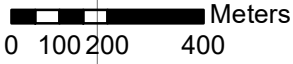
Figure Number (4.4)



Legend

Layer

- Boundary
- ▶ Lateral Street1
- ▶ Lateral Street10
- ▶ Lateral Street11
- ▶ Lateral Street12
- ▶ Lateral Street2
- ▶ Lateral Street3
- ▶ Lateral Street4
- ▶ Lateral Street5
- ▶ Lateral Street6
- ▶ Lateral Street7
- ▶ Lateral Street8
- ▶ Lateral Street9
- ▶ Main Street 3
- ▶ Main Street1
- ▶ Main Street2
- Outlet
- ▶ Sub Main Street1
- ▶ Sub Main Street2
- ▶ Sub Main Street3



Soil Type For Nahaleen Town



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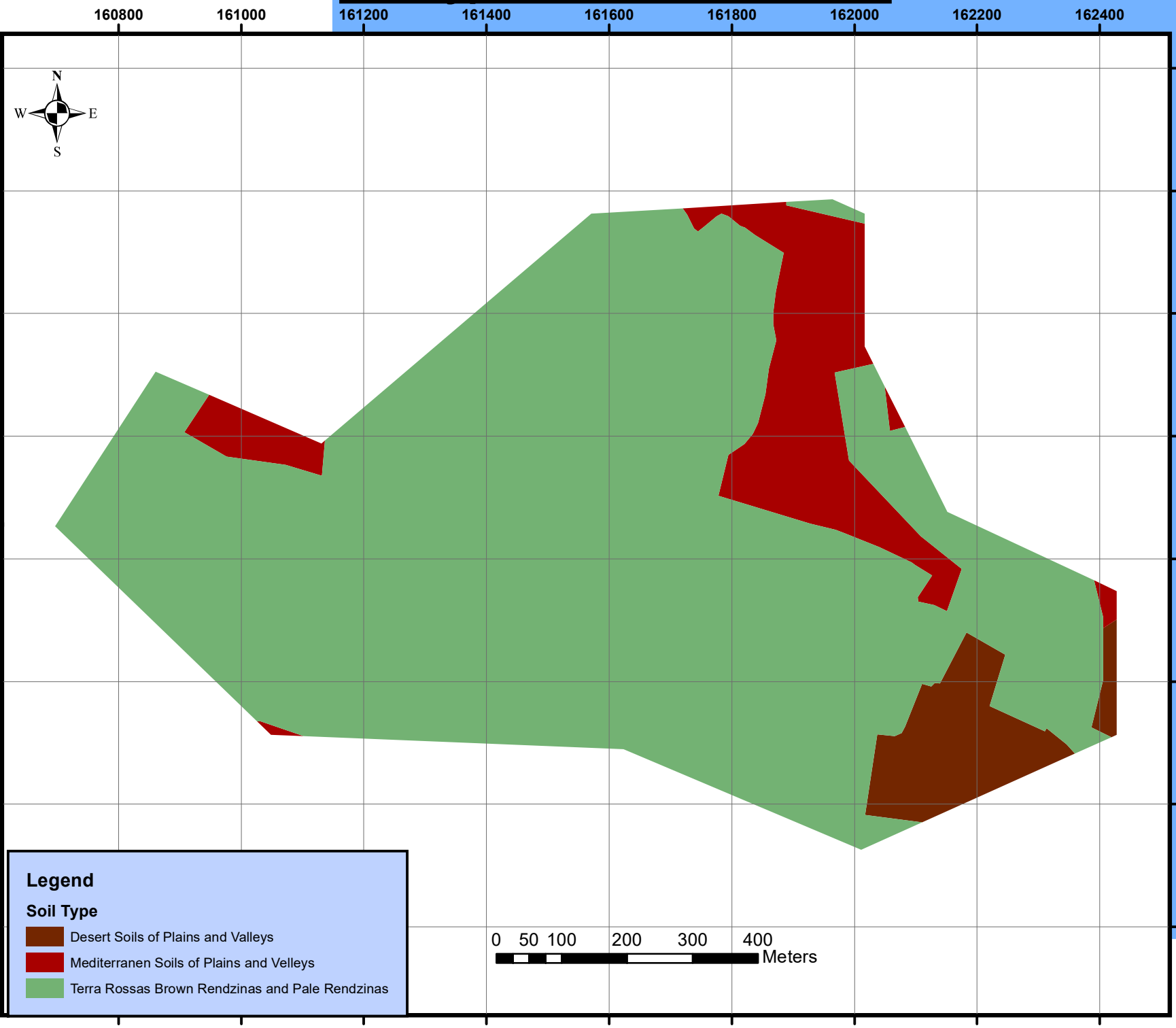
Supervisor:
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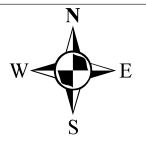
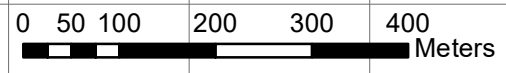
Figure Number (2.4)



Legend

Soil Type

- Desert Soils of Plains and Valleys
- Mediterranean Soils of Plains and Valleys
- Terra Rossas Brown Rendzinas and Pale Rendzinas



160800 161000 161200 161400 161600 161800 162000 162200 162400

122200
122000
121800
121600
121400
121200
121000
120800

122200
122000
121800
121600
121400
121200
121000
120800

160800 161000 161200 161400 161600 161800 162000 162200 162400

Topology For Nahaleen Town



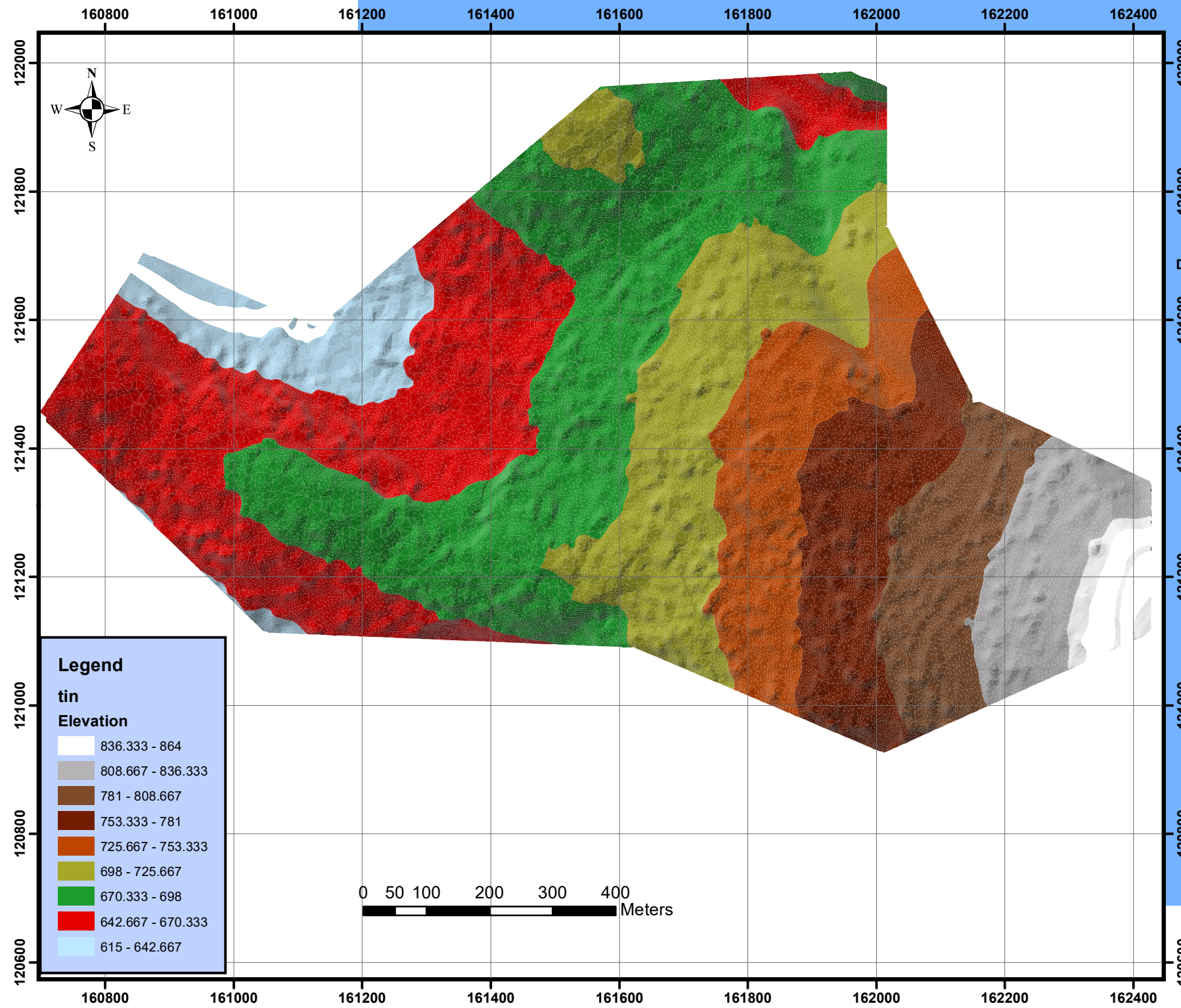
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Majd AINatshah

Coordinate System:
Palestine_1923_Palestine_Grid



Legend	
tin	
Elevation	
	836.333 - 864
	808.667 - 836.333
	781 - 808.667
	753.333 - 781
	725.667 - 753.333
	698 - 725.667
	670.333 - 698
	642.667 - 670.333
	615 - 642.667

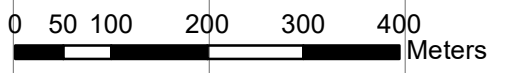


Figure Number (2.2)

Velocity of Waste Water Collection Systems For Nahaleen Town



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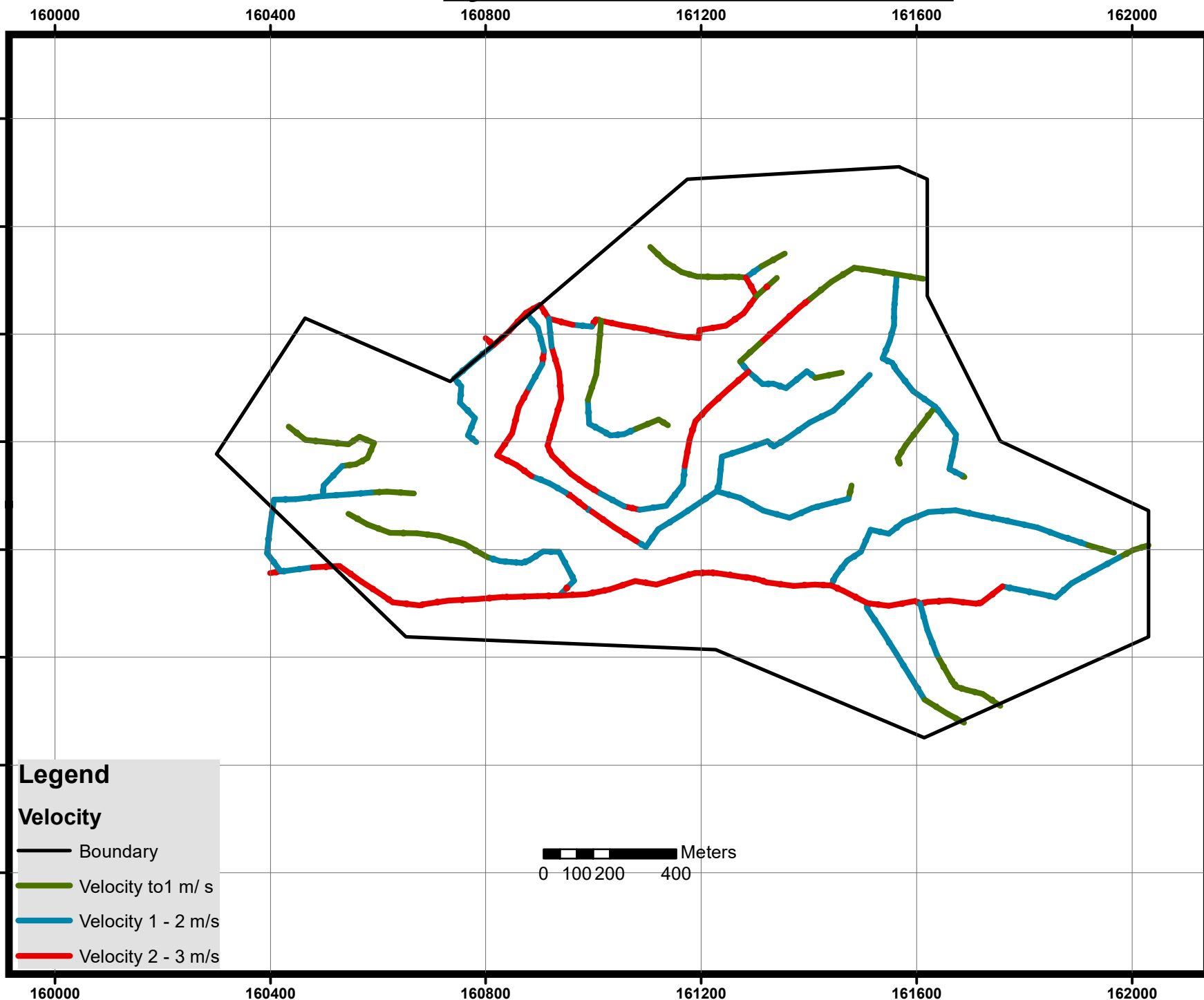
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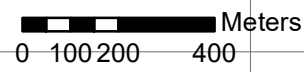
Figure Number (4.5)



Legend

Velocity

- Boundary
- Velocity to 1 m/ s
- Velocity 1 - 2 m/s
- Velocity 2 - 3 m/s



Line Name of Waste Water Collection Systems For Nahaleen Town



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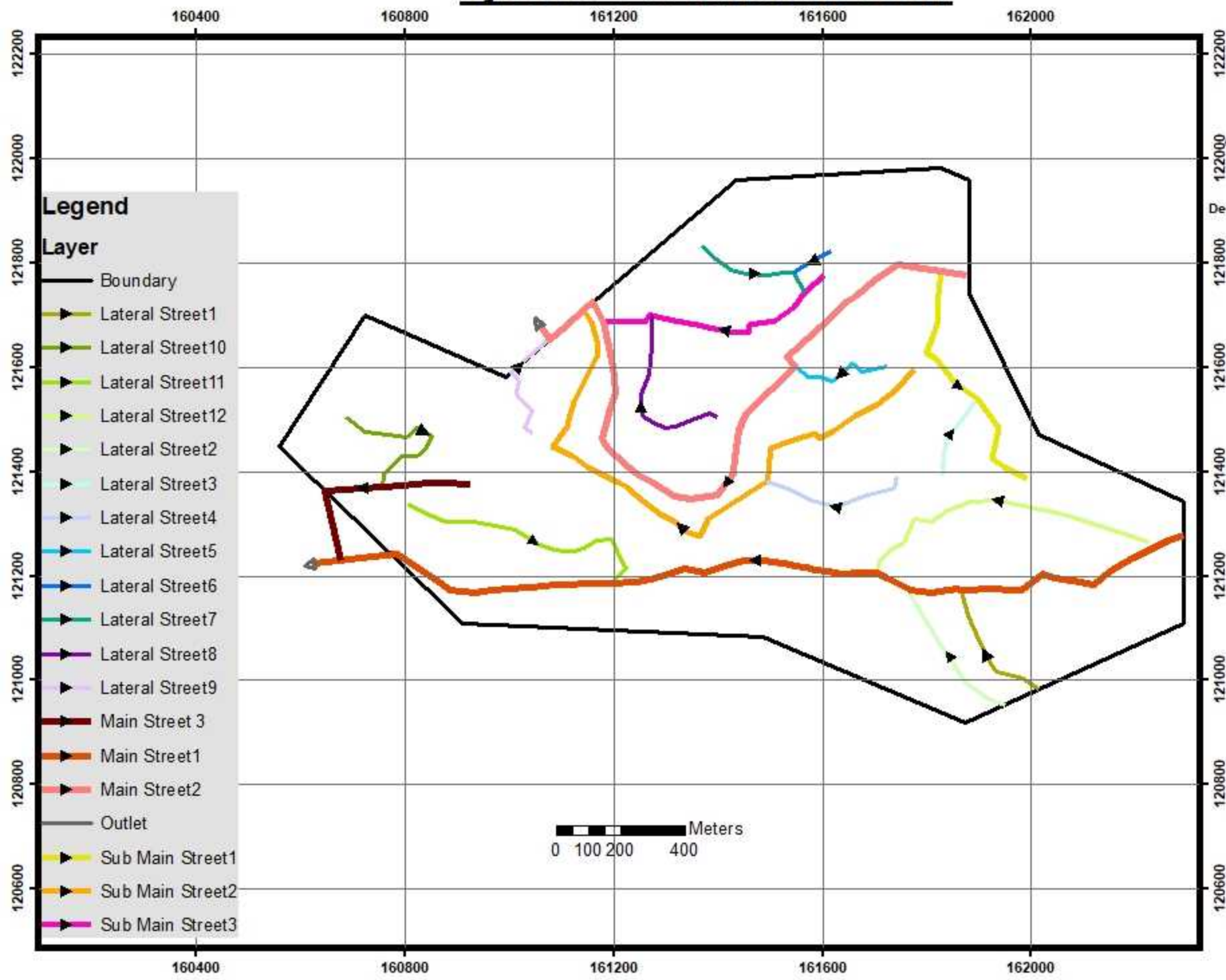


Figure Number (4.4)

Soil Type For Nahaleen Town



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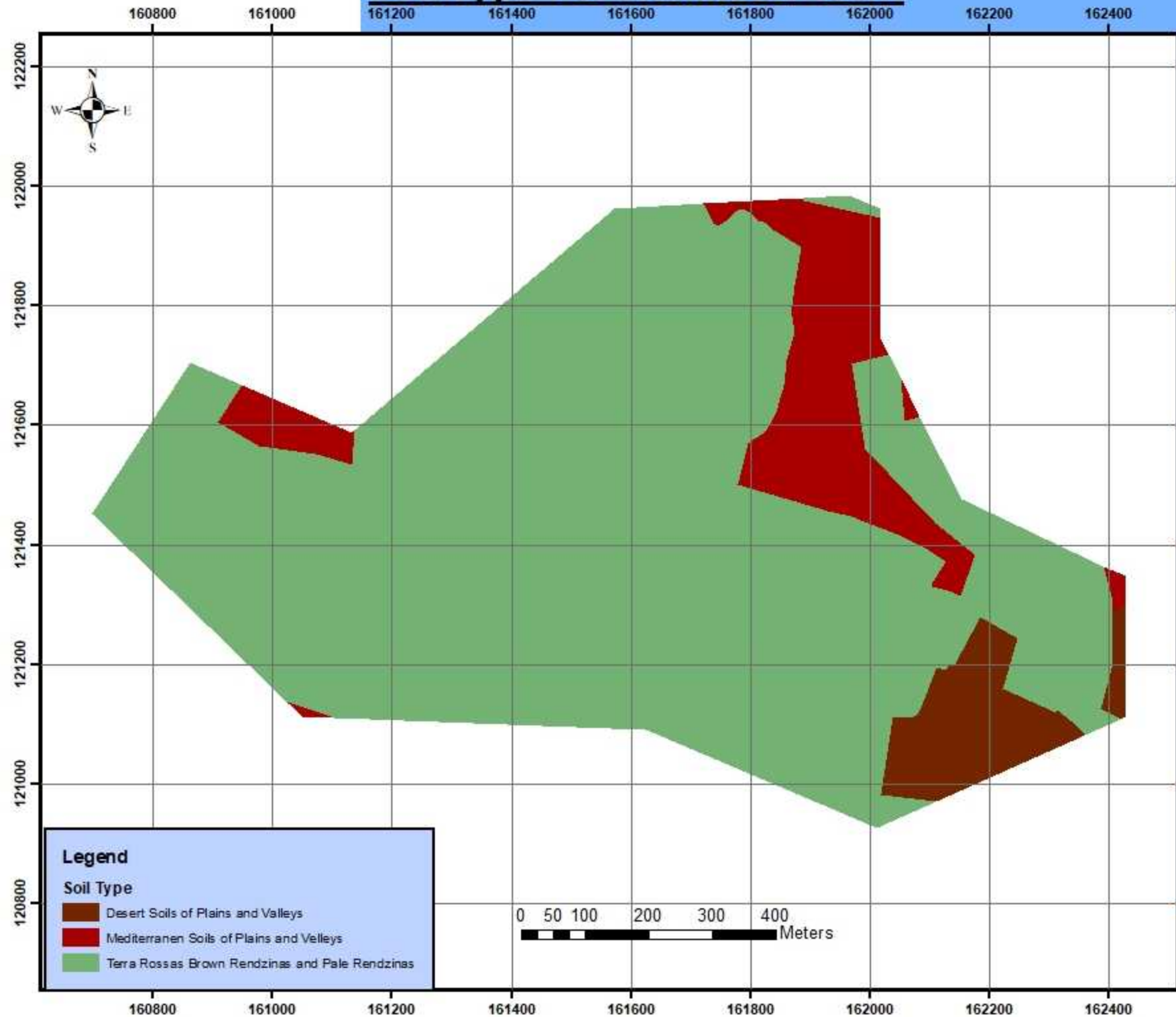
Supervisor:
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Created By:
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Figure Number (2.4)



Topology For Nahaleen Town



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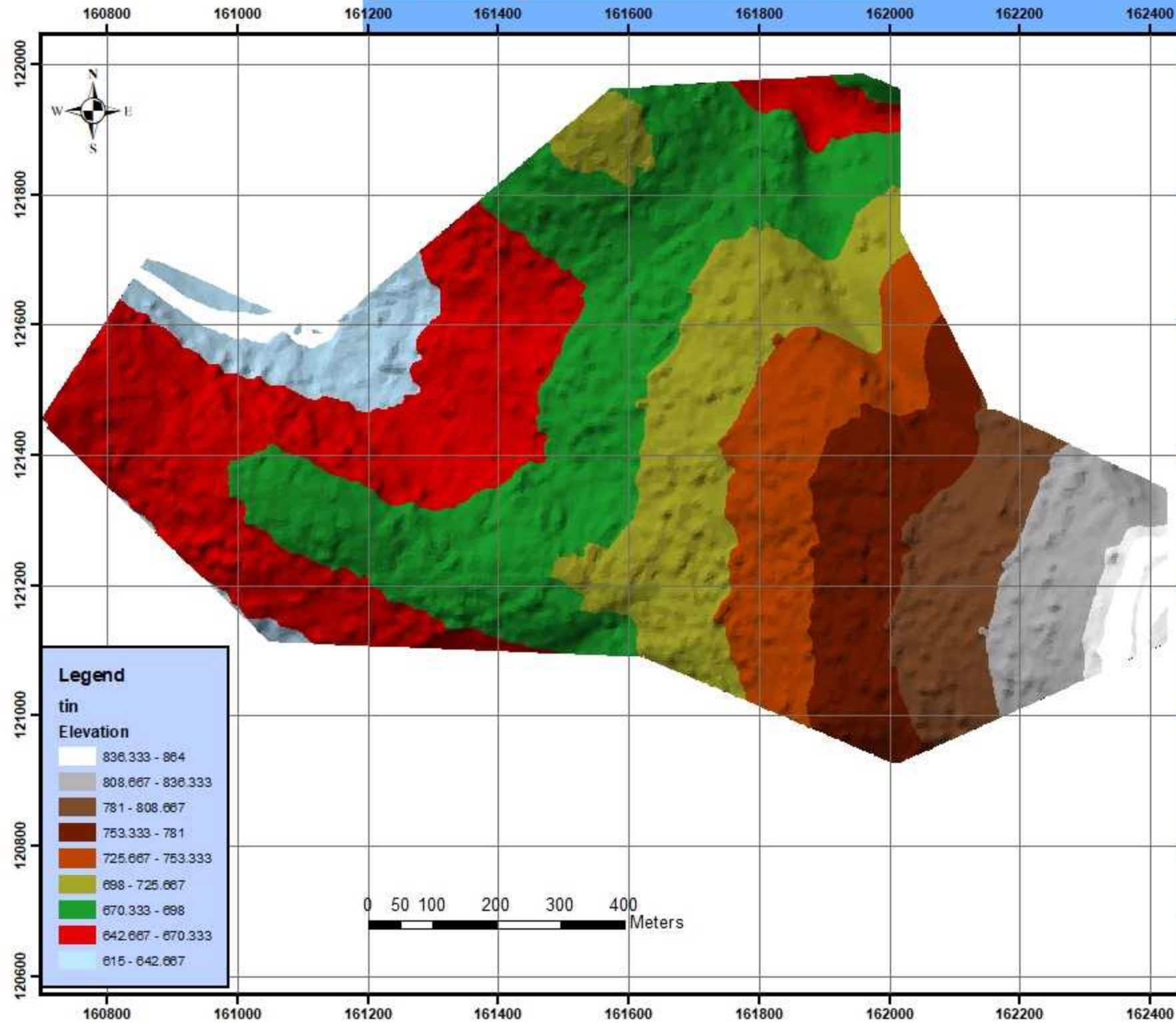
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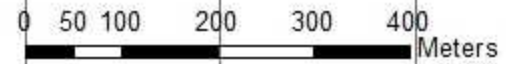
Coordinate System:
Palestine_1923_Palestine_Grid



Figure Number (2.2)



Legend	
tin	
Elevation	
[White]	836.333 - 864
[Light Blue]	808.667 - 836.333
[Brown]	781 - 808.667
[Dark Brown]	753.333 - 781
[Orange]	725.667 - 753.333
[Yellow-Green]	698 - 725.667
[Green]	670.333 - 698
[Red]	642.667 - 670.333
[Light Blue]	615 - 642.667



Velocity of Wast Water Collection Systems For Nahaleen Town



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Figure Number (4.5)

