Urban vegetation

Outline

- Definition of urban vegetation
- Objectives
- Study area
- Mapping of the distribution of urban vegetation
- Growth problems
- Management practice
- Growth status
- Limitation
- Conclusion

Definition of urban vegetation
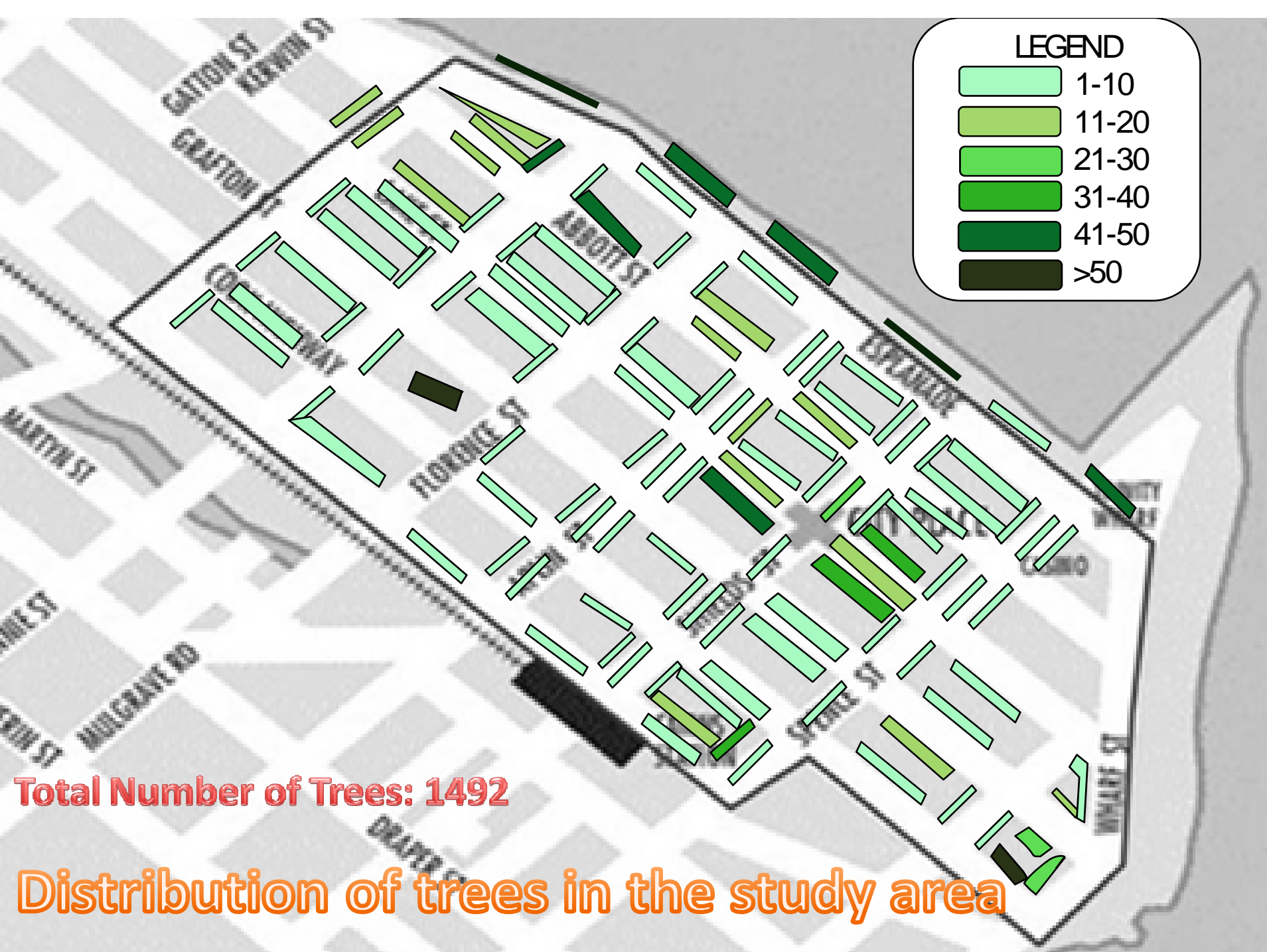
- Road sides
- Urban parks
- Institutional ground

Objectives

In the study area, we aim to find out:

- Distribution of urban vegetation
- Growth status
- Growth problems
- Management practice

Study area

LEGEND
- 1-10
- 11-20
- 21-30
- 31-40
- 41-50
- >50

Total Number of Trees: 1492

Distribution of trees in the study area

Growth Problems

- Broken branches
  → e.g. Car parks near the coast

Growth Problems

- Insufficient growth space → e.g. Car parks, outside the hotel

Growth Problems

- Vandalism
  → mainly in the Forgarty Park
- Compacted soil
  → Car parks

Good Management Practices

- Proper Staking
  → e.g. Near Convention Centre and newly developed areas

- Mulching
  → Almost everywhere

Good Management Practices

- Trimming to increase attractiveness
  → e.g. Near Cairns Central
- Irrigation
  → Basically everywhere

Bad Management Practices

- Vandalism
- Careless trimming
  → e.g. roadsides

Bad Management Practices

- Litter problem

Growth Status

Aspects:

- Broken branches
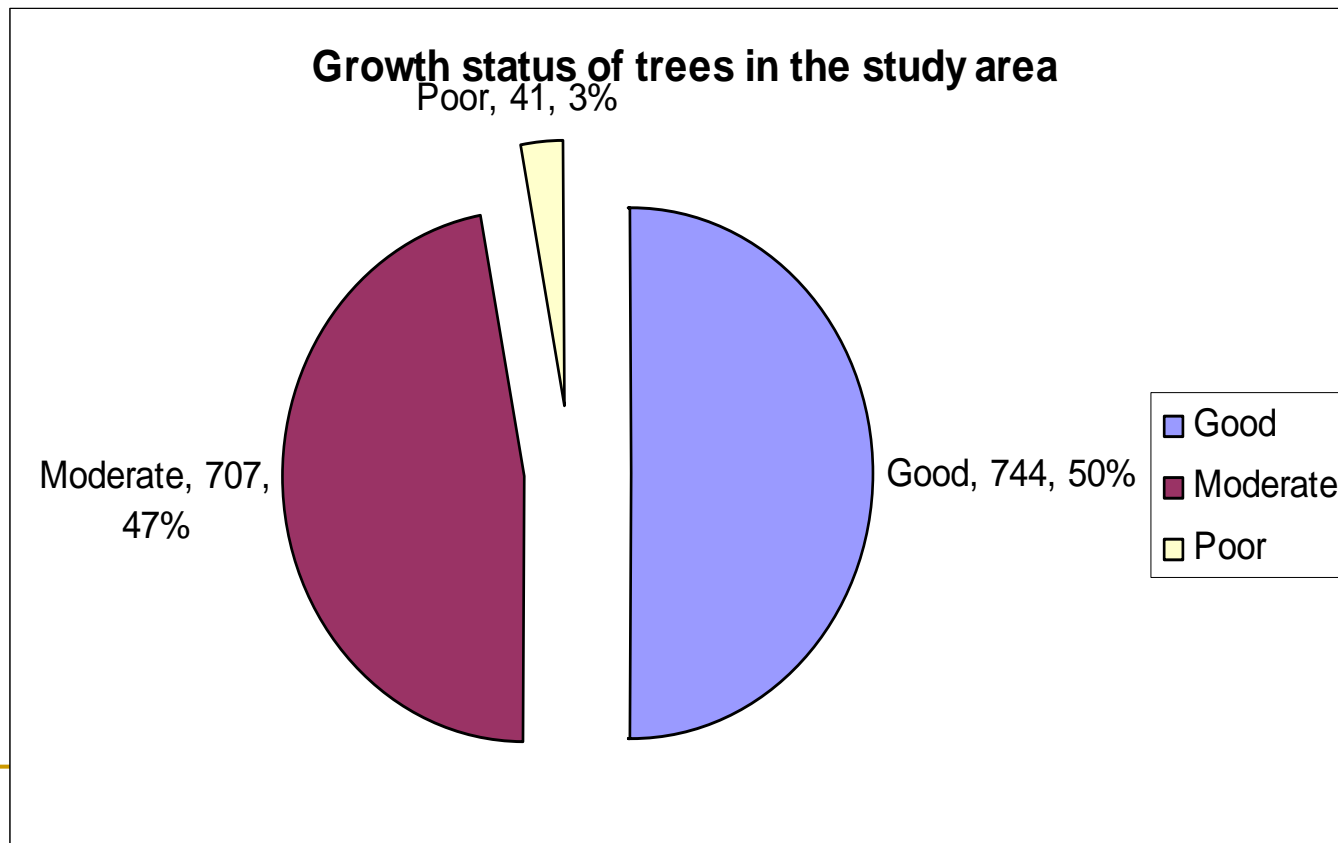- Straight trunk
- Shape of the canopy
- Number of scars

Categories:

- Good
- Moderate
- Poor

Growth Status

- Total number of trees in the studying area:
  ~ 1492

Growth status of trees in the study area

Poor, 41, 3%

Moderate, 707, 47%

Good, 744, 50%

- Good
- Moderate
- Poor

Limitation

- Difficult to standardize the criteria of the growth status → too subjective

- Quantity and quality problems

- Seasonality

- Lack of apparatus to get the precise measurement

- Some of the trees are not included till the limited access e.g. Private properties

- Limited knowledge of trees species

Conclusion

- In the study area, the greenery is generally up to our satisfaction

- But some trees are poorly managed

- Solution:
  - Education
  - Regulations
  - Signs