



UN-HABITAT

URBAN DEVELOPMENT PROGRAMME FOR THE SOMALI REGION

# GARDHO

FIRST STEPS TOWARDS  
STRATEGIC URBAN PLANNING



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This publication was prepared by Ombretta Temptra, Alban Laze, and Aisling O'Loughlen. Editing by Edward Miller.

All graphics by the UN-HABITAT Somalia Office.

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HS/1033/08E

ISBN: 978-92-1-132012-1

United Nations Human Settlements Programme publications can be obtained from UN-HABITAT Regional and Information Offices or directly from:

P.O.Box 30030, GPO 00100, Nairobi, Kenya

Fax: +(254-20) 762 40 60

e-mail: [unhabitat@unhabitat.org](mailto:unhabitat@unhabitat.org)

Soft copies of this publication can be downloaded from the website: [http://www.unhabitat.org/somali region](http://www.unhabitat.org/somali%20region)

Printed at UNON/Publishing Services Section/Nairobi



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# GARDHO

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# INTRODUCTION

The city of Gardho has been undertaking, in collaboration with UN-HABITAT, a series of steps towards a balanced urban development.

This publication presents the results of the **urban spatial analysis** carried out by UN-HABITAT experts under the guidance of municipal authorities. The analysis gives a basic spatial understanding of the town and highlights concrete challenges and priority areas of intervention. A proposed **strategic urban development plan** for the town is also presented.

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## ABOUT GARDHO

Gardho is the capital of Gardho District, located in the Bari Region of the Puntland State of Somalia.

### population

The population of Gardho is estimated to be between 25,000 and 40,000, including a difficult-to-verify number of displaced people. Some sources estimate the total population at 70,000. The population increases during the hot season when many people relocate to Gardho from the hot coastal cities.

### climate

Temperatures range between 18 and 34 degrees Celsius. In the cold months of December and January, temperatures go as low as 14 degrees. There is not much rainfall: The highest levels occur in May, which has an average of 51 mm. The average annual rainfall is 10.8 mm.

### topography

Situated in north-eastern Somalia, Gardho sits at an average elevation of 850 metres above sea level. The landscape around the town is semi-desert.

# SPATIAL ANALYSIS

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The spatial analysis helps to develop a basic spatial understanding of the town, including its main characteristics and its potential. It is one of the most important tools for strategic planning, because it enables planning and positioning interventions according to an overall development strategy, thus maximizing the results of the investments to benefit the whole city.

# SPATIAL ANALYSIS

## image of the town and its surroundings



The developed area of the town is approximately 280 hectares. Calculations are based on the satellite image taken in 2005.

The town is expanding in three main directions:

- ➔ in the north-east along the national road;
- ➔ in the north-west along the Horgoble hills;
- ➔ in the south-east between the pastures of Galqaloo and the banks of Hingood River.

### DRY RIVERBEDS

The town is situated between two dry riverbeds: In the north is Horgoble River and in the south is the Hingood. For most of the year these two riverbeds are completely dry. After rains in the upper regions of the rivers, both receive considerable amounts of water.

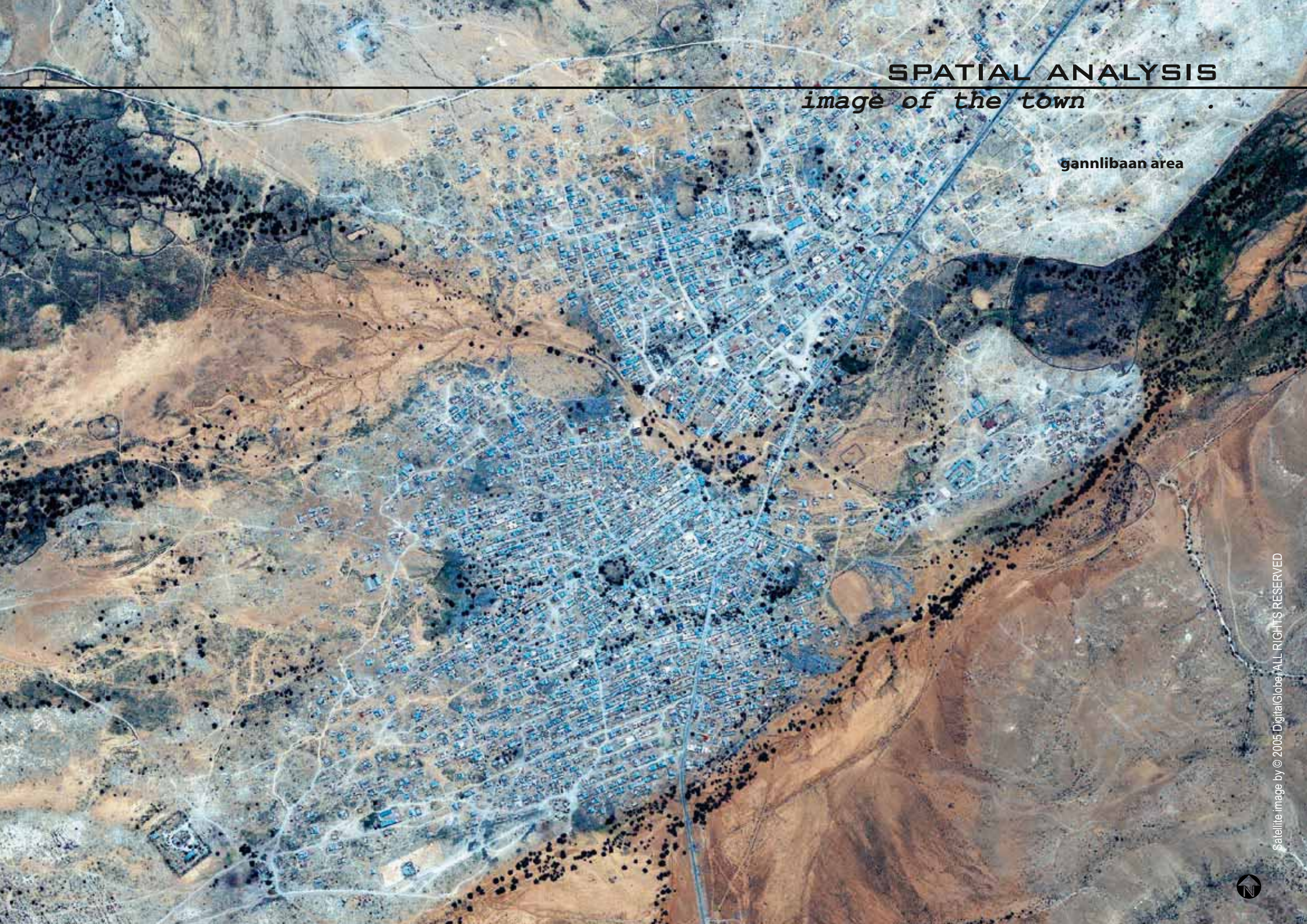
### FLOODING AREA

Rapid floods from the two rivers affect large parts of the territory.

# SPATIAL ANALYSIS

*image of the town*

**gannlibaan area**



# SPATIAL ANALYSIS

## *land use*

### **MAINLY RESIDENTIAL**

Most of the land developed in the town is for residential purposes. However, mixed land use does occur, with small shops and workshops sited in residential areas. There are also religious centres and schools in the vicinity, as well as the community buildings from which international organizations operate.

### **MAINLY COMMERCIAL**

Retail activities maintain a strong presence within the town, especially along the main road. Other activities include vehicle maintenance, hotel accommodation, and parking. In the oldest part of the town, land use is quite mixed; there is a high density of shops, making it an important retail area.

### **PRODUCTIVE**

The use of land for production remains very limited. The

### **EDUCATION**

There are several primary and secondary schools. While half of them are located in the built-up area, the rest are being built in the expansion areas to the north and west. These locations serve the needs of households situated on the edge of the urbanized area.

### **INSTITUTIONAL AND PUBLIC**

The town has a small number of administrative buildings located in the oldest part of the town. In addition, a military base and a prison are on the extreme northern edge of the town.

### **RELIGIOUS**

Most of the sites used for religious activities are scattered throughout the commercial and residential areas.

### **HEALTH**

预览已结束，完整报告链接和二维码如下：

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