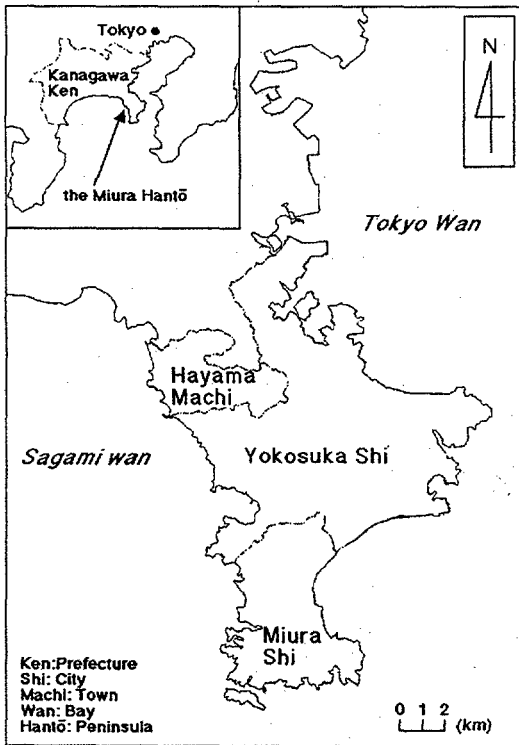


**A COSTAL AREA INFORMATION MAP FOR SEA SHORE PROMENADE IN CASE OF MIURA HANTŌ (PENINSULA)**

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**Abstract**

Geographical Survey Institute (GSI) compiled a map of Miura Hantō (Peninsula) which includes general information of coastal regions of the Peninsula. In our presentation, the outline of the map and the kinds of presented information will be shown.



**1 Introduction**

Geographic Department of GSI and Sea Shore Division, River Bureau, Ministry of Construction conducted a survey on the systematic grasp of historical, cultural and social characteristics of coastal areas in Japan from FY1987 to FY1991. [1] The main aim of the survey is to establish the whole approach on considering coastal zone management and planning.

The survey was originated by the peoples' demand for the creation of well-balanced coastal environments. Since the coastal management of Japan has tended to be heavily interested in construction of defensive coastal facilities such as bank, pump station, the value of nature and historical and cultural sites has been reduced by inappropriate setting of coastal facilities. Thus it has been considered that whole grasp of coastal zone is indispensable for the well-considered coastal zone

Figure 1: the Miura Hantō

management and planning.

GSI compiled the results of the survey of a model area, Miura Hantō (Peninsula) into a map. This map is called the coastal area information map of Miura Hantō. This map includes not only natural information such as topography, hydrography and vegetation, but human information such as historically important sites and spots of festivity. The purpose of the compilation of the map is to get common people to be more familiar with the human characteristics of coastal areas.

## 2 the Miura Hantō (Peninsula)

The coastal area information map covers the whole area of the Miura Hantō. The peninsula is located in the fifty kilometers south of Tokyo metropolitan area, as shown in Figure 1.

The peninsula has hosted several important historical events of Japan. For example, a samurai group once settled the capital in Kamakura city which is located in the north part of the Peninsula in the 12th century. And, US navy ships led by governor general Perry visited Uraga Wan (Bay), in the east of the Peninsula in 1853. This visit was a important milestone to the opening of the Edo shogunate to foreign countries and the Meiji Revolution in 1868.

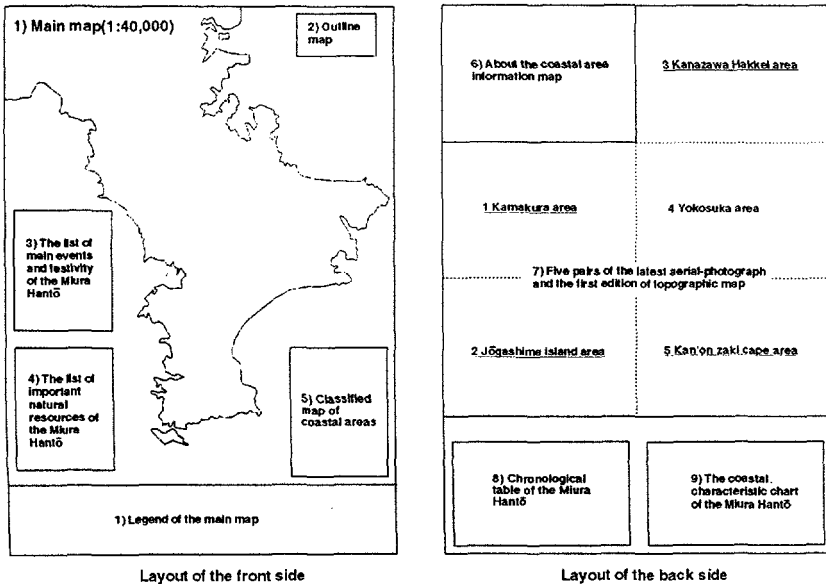


Figure 2: The layout of the coastal area information map

The cities and towns in the peninsula have developed in various ways. Yokosuka city has several military bases and its economy has relied on US military expense. Miura city has one of the biggest fishery port in Japan. Hayama town has won the beauty of coastal scenery with one of the second house of the Imperial family. Nowadays, the coast of the peninsula attracts many people enjoying playing marine sports such as, yacht, surfing and swimming, especially in summer.

For its variety of historical, cultural, and social resources, we selected the peninsula as the case study area of the survey on the grasp of human conditions of coastal areas and compiled the map for the use of common people.

### 3 Outline of the map

Outline of the map is as follows [2]

Size: A1 size (length:594 millimeters, height:841 millimeters)

Colors: Six colors on the front side, Four colors on the back side

The layout of the both sides is shown in Figure 2

The contents of the map is shown as follows (cf. Figure 2)

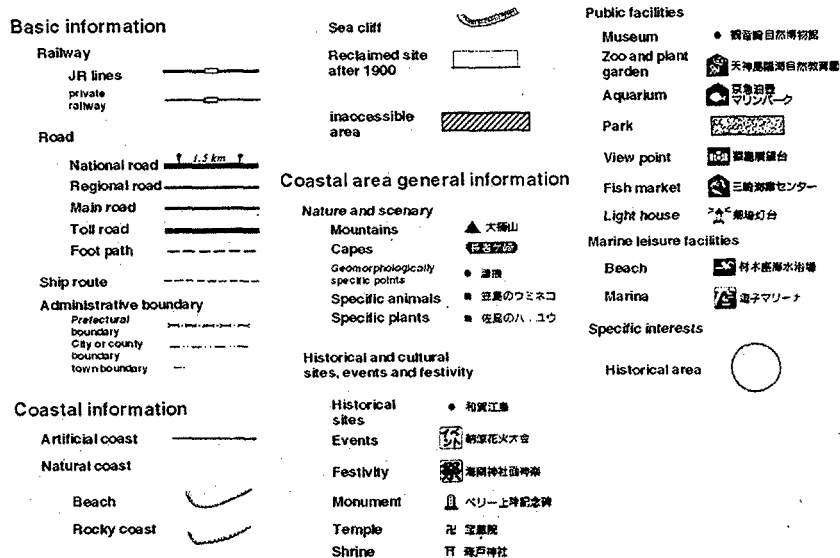


Figure 3: The Legend of the coastal area information map

1) Main map (1:40,000)

The main map overlies four kinds of information.

- 1 Base map: 1:50,000 topographic map published by GSI
- 2 Basic information: administrative boundary, main roads, railways
- 3 Coastal information: state of coasts (natural/artificial), accessibility, and reclamation sites
- 4 Sightseeing points: mountains, beaches, marina, zoo, museum, location of festivity and so on

The legend of the main map is shown in Figure 3. And the part of the map is shown in Figure 4.

2) Outline map (1:500,000)

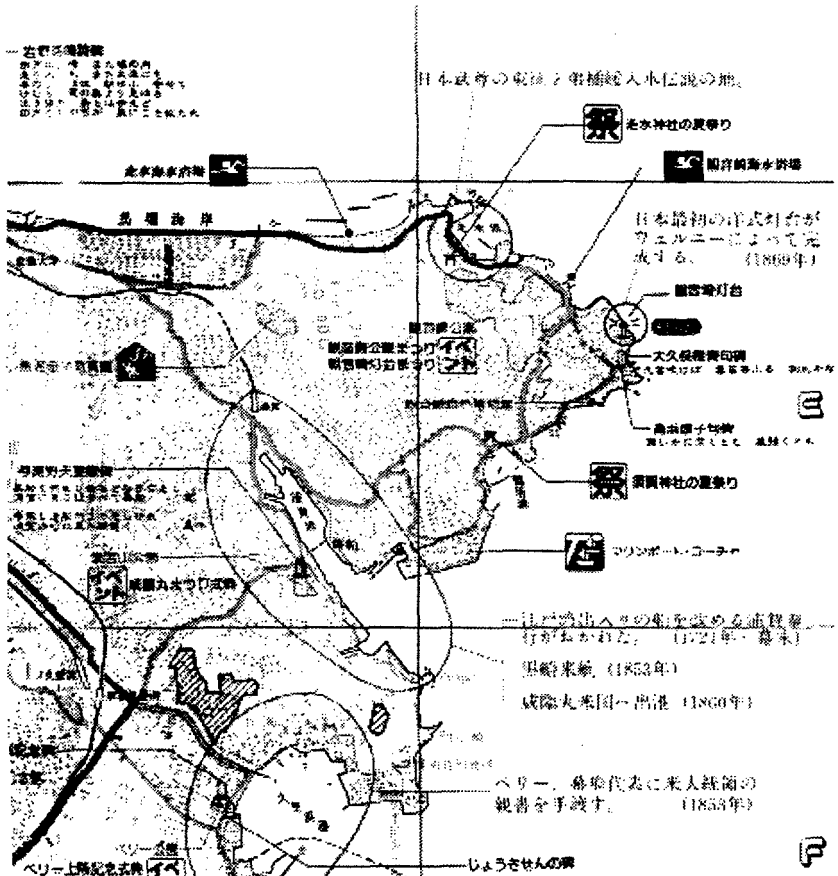


Figure 4: A part of the coastal area information map

- 3)The list of main events and festivity of the Miura Hantō
- 4)The list of important natural resources of the Miura Hantō
- 5)Classification map of coastal areas from the human geographical point of view (Figure 5).

Figure 5 shows the results of the survey on human characteristics of the Miura Hantō. We firstly classified the parts of coast of the Miura Hantō into nine categories shown at the lower part of the Figure. Each part is indicated by an ellipsoid in the figure. Then, we reclassified the parts into nine specific areas with their captions in the figure.

- 6)About the coastal area information map
- 7)The five pairs of the latest aerial-photograph and the oldest topographic map of some areas.

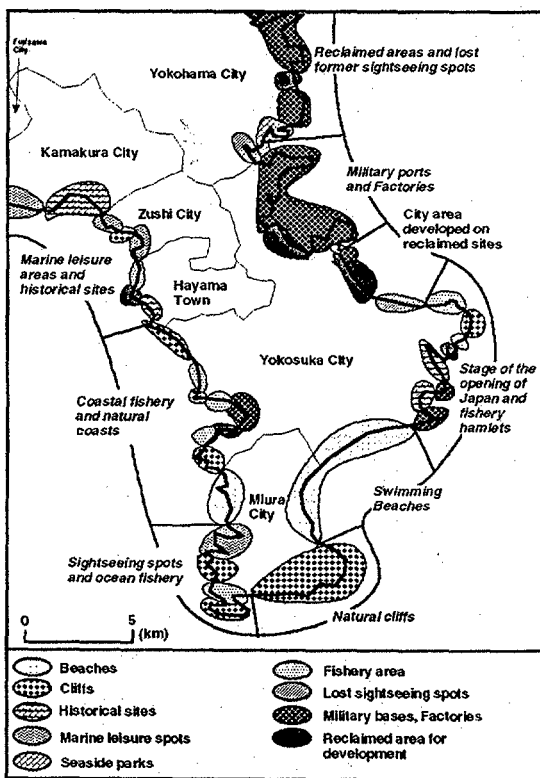


Figure 5: The acquired characteristics of the Miura Hantō

In this portion, we show the changes of the specific coastal areas during 100 years by showing the pairs of the latest aerial-photograph (taken in ca. 1990) and the oldest topographic map (surveyed in ca. 1880). An example of the pairs is shown in Figure 6. Figure 6 shows the Yokosuka port area. This area had been rural fishery area before military facilities were constructed about 100 years ago. Now the large portion is occupied by US navy and Japanese Self Defense Agency.

- 8)Chronological table of the Miura Hantō
- 9)The coastal characteristic chart of Miura Hantō

This charts compiles the information which indicate coastal environment and classifies the coastal areas from the human geographical point of view. The compiled information is visualized in 5), or in Figure 5.

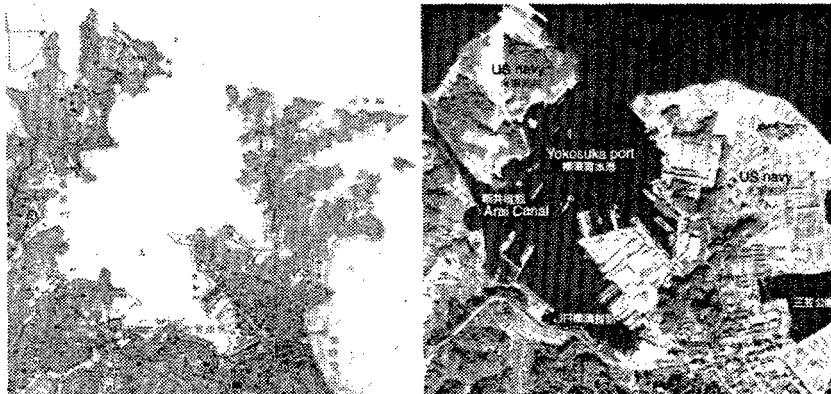


Figure 6: The changes of Yokosuka military port for the recent 100 years

#### 4 Summary

We made a coastal area information map of the Miura Hantō, by compiling the results of systematic research of human conditions of the peninsula. This map shows the various aspects of the peninsula, not only natural conditions, but also human conditions such as history, culture, literature and festivity. The attempt of making such kind of map was the first one in GSI.

We also conducted a questionnaire survey of various kinds of people, from high school students, housewives, regional government officials, to teachers, specialists and professors in universities. The number of answerer was more than 1,800. They gave us many comments on every aspects of the map :the usage of colors, the amount of information which should be on the map, the language, and so on.

Now, we are thinking of making a new map in another area, incorporating the answerers' feedbacks. Surely, any comments on our map will also be greatly appreciated in this conference.

#### References

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- [2] Uchikawa,K., Saito,T. and Sato,T.(1994):A walk in the coast of Miura peninsula, a coastal area information map (in Japanese). Research report of geographic department, 10, 27-34.