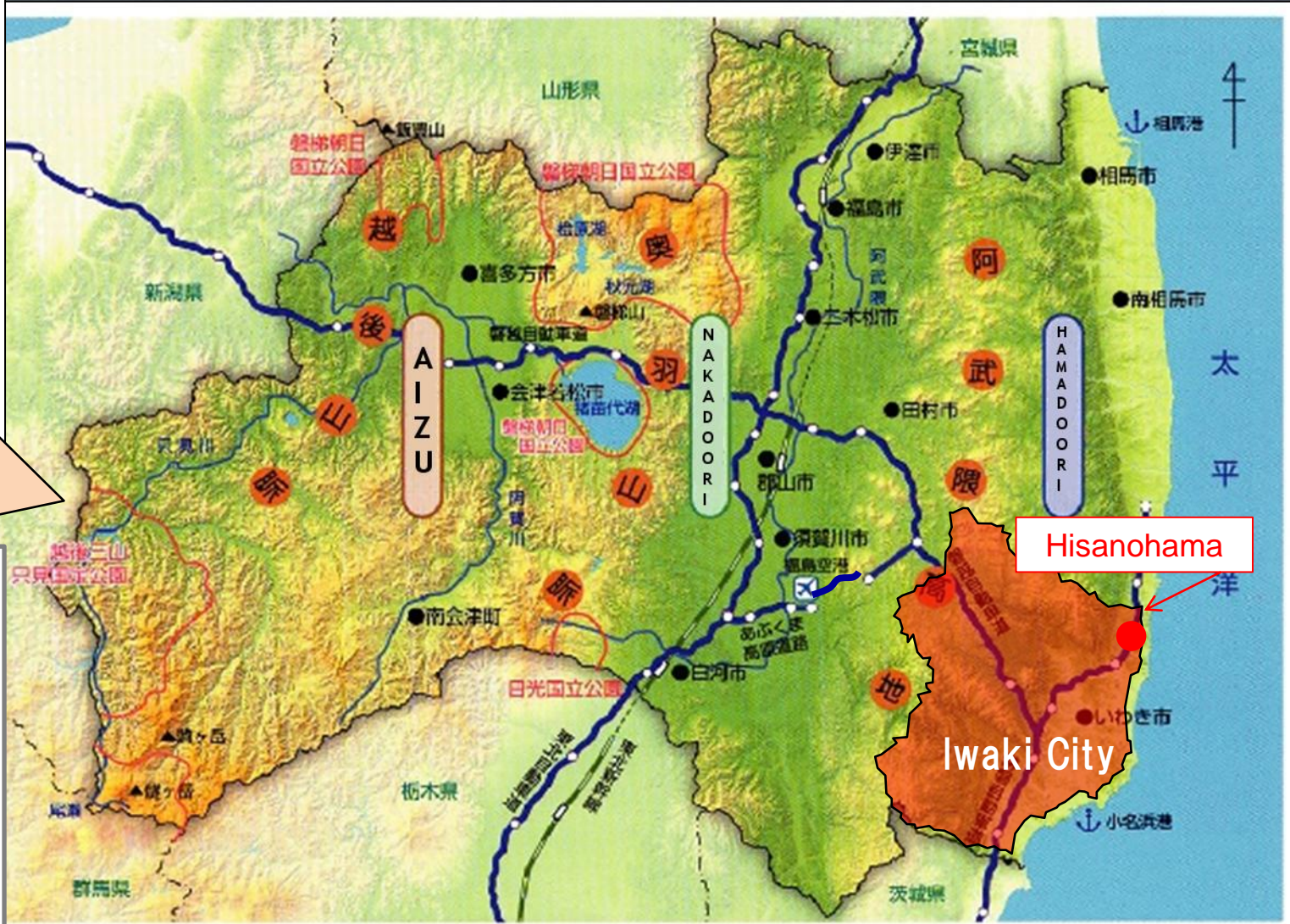


**Disaster Situation and Revitalization  
Efforts  
Iwaki City Hisanohama Area**

**Fukushima Prefecture Iwaki  
Building Office**

# Location of Iwaki City



**【Iwaki City】**

**Population**  
**326,224**  
 (As of 1/6/2014)  
 ※Source: Iwaki City website

**Area**  
**1,231.35km<sup>2</sup>**  
 ※Source: 2013 Iwaki City Statistics

この地図は、国土地理院の「数値地図50mメッシュ(標高)日本Ⅱ」を使用しています。

# Disaster Photos【Coast】〔2011, March 11<sup>th</sup> Earthquake〕

## 【Hisanohama Coast】

Before

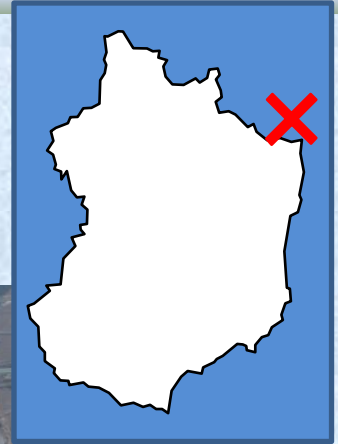


After



〔Hisanohama Area〕

|                   |       |
|-------------------|-------|
| Houses flooded    | 694   |
| Majorly damaged   | 465   |
|                   | (67%) |
| Deaths            | 68    |
| Direct Deaths     | 47    |
| Associated Deaths | 9     |
| Presumed Dead     | 12    |



### Influence of the Fukushima Dai-ichi Nuclear Power Plant

- March 13th The city requests Hisanohama residents to evacuate voluntarily
- March 15th The government orders residents to stay indoors
- March 25th The government makes efforts to aid voluntarily evacuation
- April 22nd The government lifts order to stay indoors

朝日航洋株式会社

# Disaster Photos【Coast】〔2011, March 11<sup>th</sup> Earthquake〕



March 11, 15:50

Published by Iwaki City using local records

At the shopping district in Hisanohama, a fire started directly after the earthquake and tsunami, and continued to burn until the next day



March 12<sup>th</sup>, Morning



Hisanohama  
Prefectural Road

# Disaster Photos【Coast】〔2011, March 11<sup>th</sup> Earthquake〕



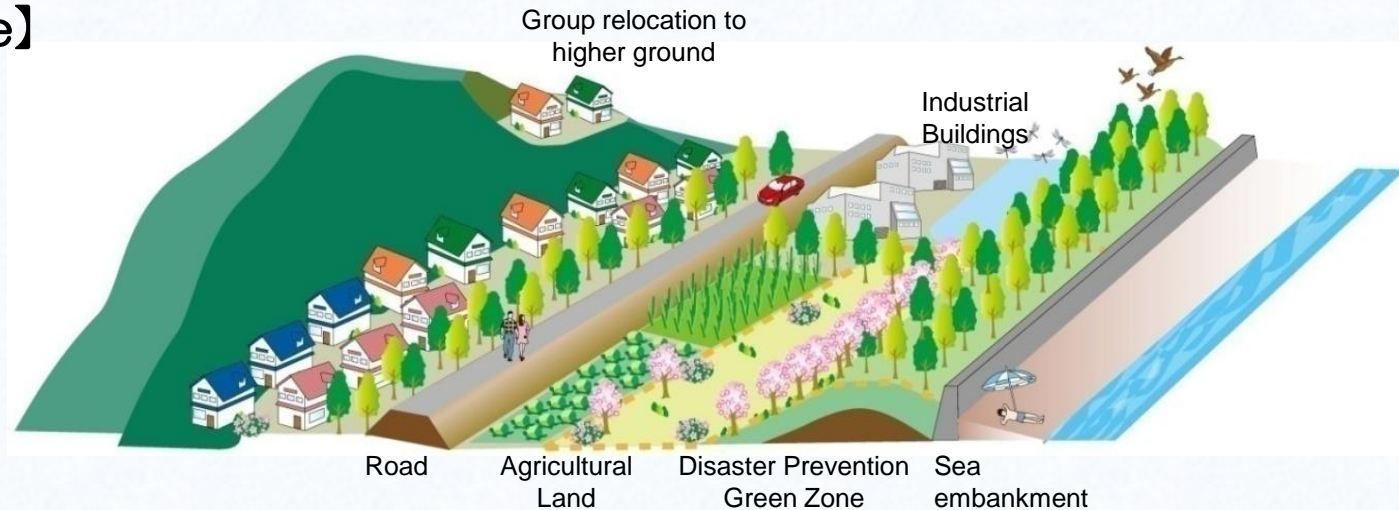
**Bridge Abutment Collapses, Hisanoma Prefectural Road**

**Emergency construction completed〔May, 2011〕**



# 【Revitalization Efforts】 Basic Tsunami Defense

【Image】



## (1) Tsunamis that occur every **few decades or centuries** (Frequent Tsunamis)

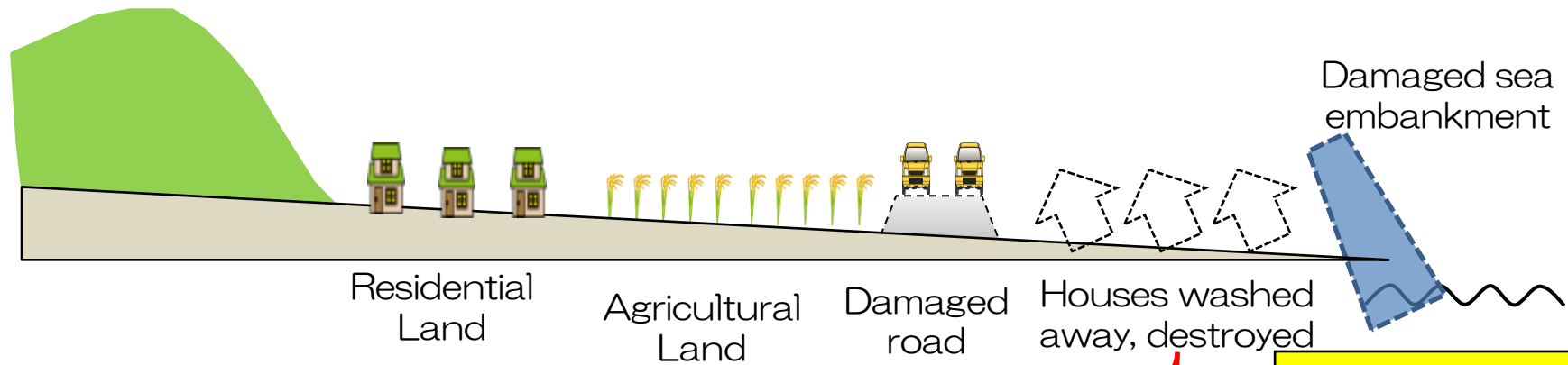
Installation of **shore protection facilities(including sea embankments)** in order to protect all human life, and resources

## (2) **Largest Class of Tsunami that occur once every thousand years**

With the evacuation of citizens at the core of the plan, installation of **structural measures** including shore protection facilities(e.g. sea embankments), roads used for evacuation routes, disaster prevention green zones, along with **non-structural measures** including disaster drills, disaster prevention education, and hazard maps to provide a **multi-defense resulting in comprehensive tsunami protection, and disaster reduction measures.**

# 【Revitalization Efforts】 Rebuilding the town

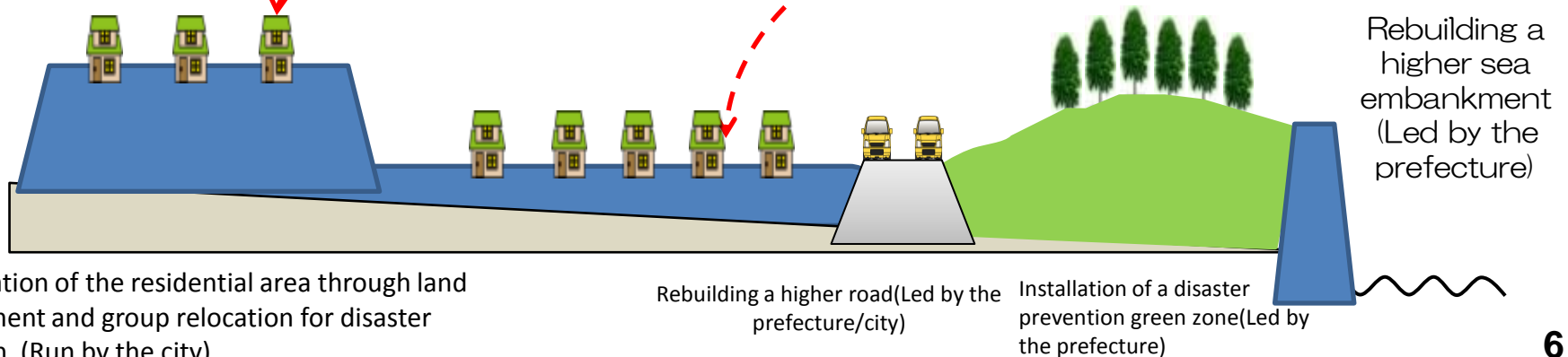
【Current Situation (After the Tsunami)】



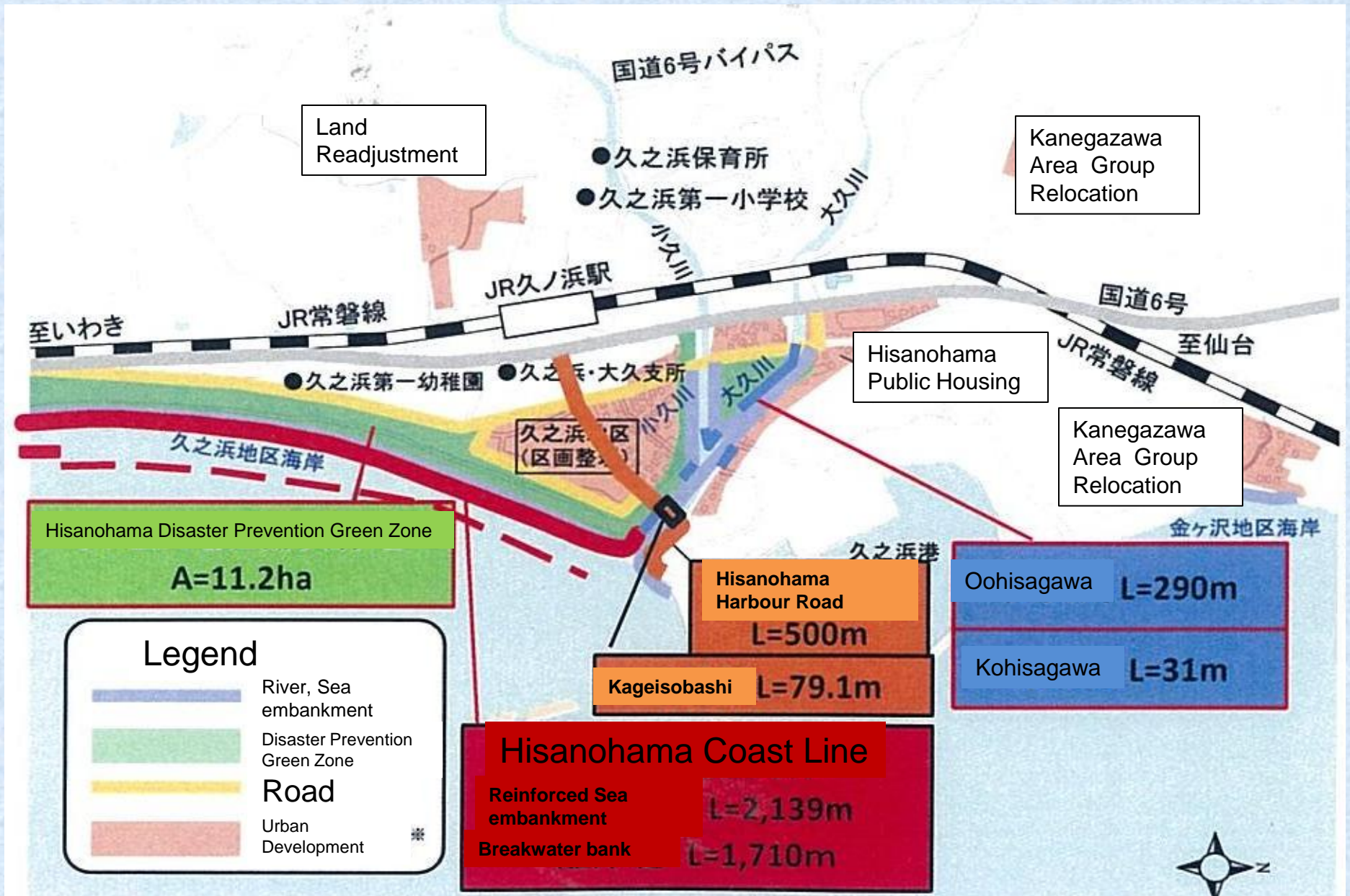
Relocation of damaged/destroyed houses

Rebuilding and Revitalizing the town

【A town with increased disaster resistance】

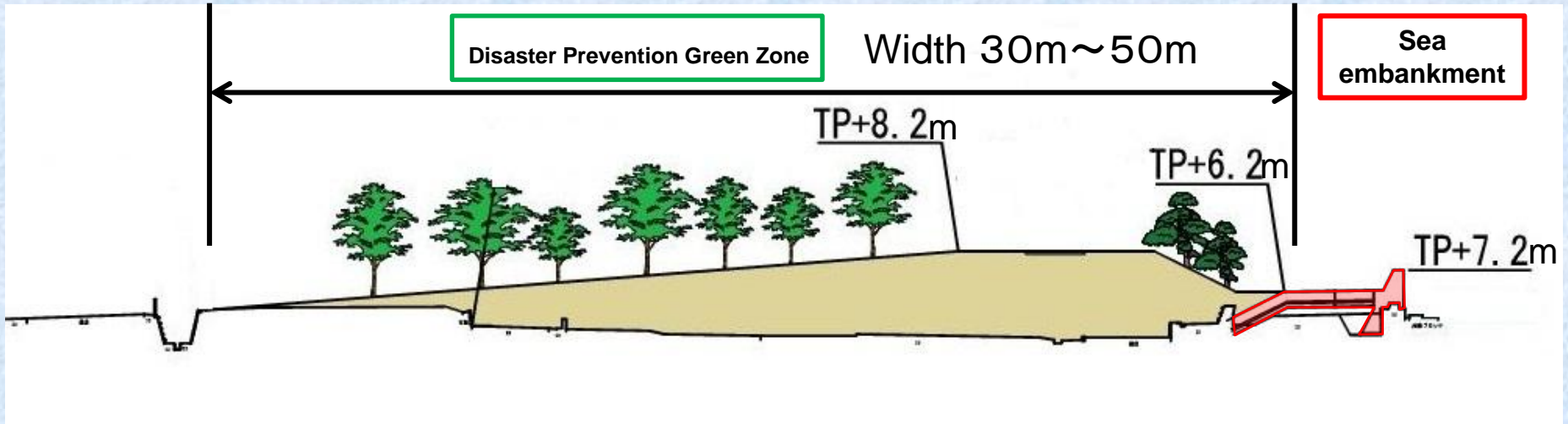


# 【Revitalization Efforts】 Top view





# 【 Revitalization Efforts 】 Cross-section



# 【 Revitalization Efforts 】 Local efforts

- Workshops held, Opinions of locals reflected in planning
- Local primary school students take part in planting acorns
- Trial planting of black pines



# 【 Revitalization Efforts 】



Image of completed projects

久之浜地区防災緑地 鳥瞰図