Damage situations in Mashiki Town by the Kumamoto earthquake 2016

Mashiki Town

Outline of Mashiki Town
Masuki Town is located at center-north of Kumamoto prefecture, and is adjacent to the east of Kumamoto City.
There are transportation bases such as "Aso Kumamoto Airport" and "Masuki Kumamoto Airport IC". Mashiki Town has developed as a city where rural and city harmonize.

【Population, Households】

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<tbody>
<tr>
<td>Population</td>
<td>34,605</td>
</tr>
<tr>
<td>Households</td>
<td>13,450</td>
</tr>
<tr>
<td>Male</td>
<td>16,617</td>
</tr>
<tr>
<td>Female</td>
<td>17,988</td>
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</tbody>
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(Feb. 2016)

【Main Public Facilities】
- 5 elementary, 2 junior high schools
- General gymnasium
- Health and Welfare Center
- Exchange Information Center
- Gender equality center, etc.
Damage situation in Mashiki Town by the Kumamoto earthquake 2016

〇地震の概要
【Foreshock】
Date&Time: 14 April (Thu.) 21:26
Magnitude: 6.5
JMA Intensity: 7(Highest) (at Mashiki Town)

【Main shock】
Date&Time: 16 April (Sat.) 01:25
Magnitude: 7.3
JMA Intensity: 7(Highest) (at Mashiki Town)

【Situations of Aftershock】(14 Apr. – 12 Dec. 2016)
More than JMA intensity 1: 4,190 times
More than JMA intensity 4: 140 times

Damage situation in Mashiki Town by the Kumamoto earthquake 2016

Elevation difference around the fault zone

House damage

- Complete collapse
- Large-scale semi-rupture
- Semi-rupture
- Partly damaged

※国土地理院の資料を基に作成
※より災証明書の結果より
Damage situation (as of 13 Dec. 2016)

【Human damage】
<p>| | |</p>
<table>
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<tr>
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<tbody>
<tr>
<td>Direct death</td>
<td>20</td>
</tr>
<tr>
<td>Earthquake related death</td>
<td>7</td>
</tr>
<tr>
<td>Serious injury</td>
<td>122</td>
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<tr>
<td>Slight injury</td>
<td>31</td>
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【Building Damage】

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<tbody>
<tr>
<td>Complete</td>
<td>2,768棟</td>
</tr>
<tr>
<td>Semi</td>
<td>3,033棟</td>
</tr>
<tr>
<td>Partly</td>
<td>4,405棟</td>
</tr>
<tr>
<td>計</td>
<td>10,206棟</td>
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【Evacuee】

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<tr>
<td>Total evacuee</td>
<td>368,876</td>
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</table>

maximum evacuees at morning 17 Apr

10 shelters | 16,050

(Severe damaged area)

【Before/After】

【Around town hall】
Emergency temporary housing

1,562 temporary houses in 18 housing complex were constructed, and affected residents started to move from 14 June 2016. Also, “Everyone's House" in the temporary housing complex was built to prevent isolation of tenants and to create community.
Meeting facilities as "Everyone's House"

Kumamoto Prefectural government conducted the project to provide "everyone's house" in case of huge disaster such as the Great East Japan Earthquake and the Kumamoto Wide Area Flood as part of the "Kumamoto Art Police Project" from 1988. Utilizing experiences of "Everyone's House" project, a wooden "Everyone's House" was built as a meeting facility to minimize the pain of those who were seriously damaged by the Kumamoto earthquake and feel a little comfort.

Also, in the temporary housing complex of more than 80 houses, multiple "Everyone's House" are built, and one of them is planned with listening opinions from residents.
Demolition and removal by public funds of collapsed houses

Started damaged house dismantling and removal by the town from 7 July judged as semi-rupture or more by the affiliation certificate. About 3,000 houses will be removed by March 2018.

- The time required for dismantling is about 2 weeks to 1 month per building
- Scheduled to work simultaneously at maximum 100 places

Formulation of basic policy of reconstruction from the Kumamoto earthquake

Mashiki Town has formulated the basic attitude of future town planning and direction of initiatives. "Basic policy of reconstruction from the Kumamoto earthquake" at 6 June 2016.

【Contents of Basic Policy of reconstruction】
1 Basic philosophy of reconstruction
2 Basic idea in formulating reconstruction plan
3 Direction of reconstruction plan
4 Organizational structure pertaining to reconstruction plan

Based on this basic policy, “Masaki Town Reconstruction Plan” will be formulated within the year as a comprehensive plan for reconstruction.
Basic Policy of reconstruction

Rehabilitation of residents’ life

The current situation in the catchment areas of the disaster areas, in which residents' lives have been affected, is precarious. The current situation is causing residents to live in social and economic poverty, and it is also causing residents to live in a state of poverty. Therefore, it is necessary to promote the self-help system of reconstruction and promotion.

Promotion of disaster-resilient town development

The current situation in the catchment areas of the disaster areas, in which residents' lives have been affected, is precarious. The current situation is causing residents to live in social and economic poverty, and it is also causing residents to live in a state of poverty. Therefore, it is necessary to promote the self-help system of reconstruction and promotion.

Reconstruction of industry and economy

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Promotion system of reconstruction

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