

Keep fighting! Tohoku

2011.3.11

Support activities for the Great East Japan Earthquake



「Kibouno-Matsu」 Rikuzentakata City, Iwate Prefecture

(June, 2011)

Tohoku Construction Association

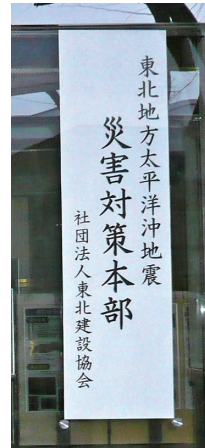
Support Activities of Tohoku Construction Association for the Great East Japan Earthquake Disaster

System

At 15:00 p.m., soon after an earthquake occurred off of the northeastern coast of Japan, at approximately 14:46 p.m. on March 11th (Friday), based on the Tohoku Construction Association Disaster Measures Point, the Disaster Emergency Organization, with a head office and branches in each of the 6 northeastern prefectures, was established and accident correspondence was begun.



Damage of the Tohoku Construction Association



Disaster Prevention and Countermeasures Headquarters

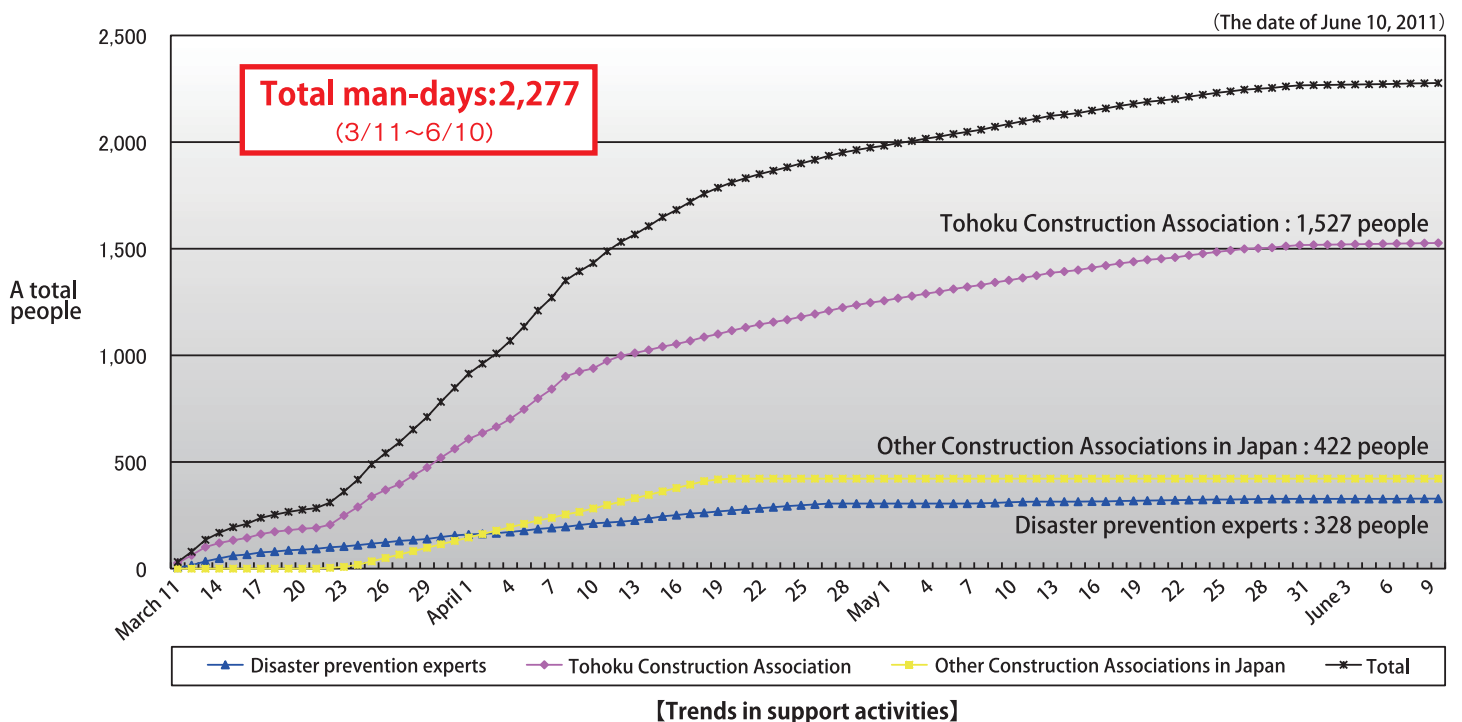


Support activity

A total of 2,277 people have engaged in volunteer activities in response to a request from the Tohoku Regional Development Bureau as of June 10th 2011.

Main activities

- 1) Disaster assessment [in Aomori, Iwate, Miyagi, Yamagata, and Fukushima Prefectures]
- 2) Disaster recovery support [in Iwate, Miyagi, and Fukushima Prefectures]
- 3) Linking of support to an autonomous body [in 6 municipalities of Iwate Prefecture, 15 municipalities of Miyagi Prefecture, and 2 municipalities of Fukushima Prefecture]
- 4) TEC-FORCE support [The Tohoku Regional Development Bureau]
- 5) Sendai area effluent treatment measure [Sendai River and National High Way Office]
- 6) Sewage damage survey [The Tohoku Regional Development Bureau and the Town of Matsushima]
- 7) River structure (sluice and sluice pipe) check [Sendai River and National High Way Office and the Kitakami River Downstream Office]
- 8) Direct control national highway damage survey and accident investigation of remains [in Iwate and Miyagi Prefectures]
- 9) Tsunami vestige investigation [Sanriku National Highway Office]
- 10) Participation and support for the investigation of the Tohoku Branch of Art and Science in connection to the Great East Japan Earthquake.



—Support activities by Association staff and Disaster Prevention Experts—

Assessment of the state of suffering and support for recovery from the disaster

As soon as the earthquake occurred, we did a volunteer assessment of the state of suffering. After that, we gave support for recovery from the disaster.

Support for the liaison officers

In accordance with the Bureau request, we have helped with liaison officers in 23 cities and towns since Mar. 23, with the purpose of helping the liaison officers of the Ministry of Land, Infrastructure, Transport and Tourism. We dispatched Association staff members and Disaster Prevention experts, with total number of 889 man-days as of May 31.

Support for TEC-FORCE

In accordance with the Tohoku Regional Development Bureau request, we did on-the-spot leading and advised about managing the recovery, etc., with TEC-FORCE, who acted in the devastated areas.

Provision against drain treatment in Sendai district

In accordance with the Bureau request, we investigated the conditions of flooded areas and places at which drainage pumps needed to be established, as well as roads.

Investigation into sewer damage

As a part of giving support to the liaison officers, in accordance with the Bureau request, we spent 6 days investigating damages to sewer pipes in Matsushima.

[Photos of support activities]



Running restoration work of bumps on Route6 (Apr.12)



Help for the liaison officers in Kesenuma (Apr.29)

Report about investigation into damages on Route45 (Mar.25)



Investigation into damages of Ichinoseki protective basin(Mar.13)



Investigation into the state of flooding(Mar.17)

Checking and investigation into river infrastructure

In accordance with the Bureau request, we investigated damages to sluices and pipes in the Naruse River and the Natori River with TEC-FORCE officers.

Investigation into evidence of damage caused by the tsunami

We investigated evidence of tsunami damage within the jurisdiction of the Sanriku National Highway Office. (This included a confirmation of distance signs at trace spots, the ramming of posts, and the taking of photos)

Investigation into damages of the national roads that are under direct control of the government.

In accordance with the Bureau request, we searched for and investigated structures that still remain in spite of the disaster. We also engaged in conservation activities related to road facilities, etc., within the jurisdiction of the Sanriku National Highway Office, Sendai River, and the National Highway Office.

Investigation into the structures that still remain in spite of the disaster.

Scientific research in the Tohoku Branch

A "Scientific research committee, Tohoku Branch, on the Great East Japan Earthquake" was established. The objective was to contribute to the recovery in Tohoku in accordance with various kinds of scientific and technological research and analyses in cooperation with experts from every branch. We also participated and supported the following activities. The first report meeting was held on Apr. 28, 2011. Approximately 850 public officers and researchers, etc., participated in this meeting.

<Composition of Committee>

Tohoku Branch of Japan Society of Civil Engineering
Tohoku Branch of the Japanese Geotechnical Society

Tohoku Branch of the Japan Landslide Society

Tohoku Construction Association

Japan Concrete Institute Tohoku Chapter

Architectural Institute of Japan, Tohoku Chapter

Tohoku Branch Establishment Preparation Committee of the City Planning Institute of Japan

<Activities of Disaster Prevention Experts>

Beginning with the immediate aftermath of the earthquake, we supported activities by Disaster Prevention experts and others, based on an agreement concerning support for disaster prevention work at the Tohoku Regional Development Bureau.

The mission of the disaster prevention experts was to collect, as rapidly as possible, and subsequently to report, information about the state of damage to public works facilities, etc., and to give support to the country and municipalities as volunteers in response to the disaster. As these members have been engaged in the arrangement and management of public works facilities, they have much experience and expertise. 358 members (as of Mar. 31, 2011) were registered at our association.



Investigation into damage to sewers (Matsushima, Miyagi Prefecture, Mar. 24)



Scientific research in Tohoku -1st report meeting (Apr. 28)



Investigation into damages on Route 45 and investigation into the structures which still remain in spite of the disaster (Apr. 1)



Investigation into traces of the tsunami (Mar.25)

—Support Services Conducted by Constructor Welfare Associations—

The Construction Association and Benefit Associations from all over Japan shared support services from March 22nd to April 21st. Volunteers participated in activities for 422 man days as a whole, investigating disaster damage situations, as well as assisting urgent restoration work. Municipalities in the disaster stricken areas received relief goods and donations.

【Support situation】

Benefit association	Support period
Construction Kanto benefit association	Mar.22~Apr.19
Construction Hokuriku benefit association	Mar.24~Apr.18
Chubu Construction Association	Mar.23~Apr.14・Apr.15~18
Construction Association of Kinki	Mar.23~Apr.14・Apr.15~18
Construction Chugoku benefit association	Mar.23~Apr.14・Apr.15~18
Construction Shikoku benefit association	Mar.24~Apr.7・Apr.8~21
Construction Kyushu benefit association	Mar.24~Apr.7・Apr.8~21

Damage Situation Survey and Restoration Support Services

Investigations of earthquake damage levels on rivers and roads in respective district offices and support of urgent restoration work were done.

Survey of the state roads under our direct control and damaged historic ruins investigation

Investigations of road facilities by the Sendai Rivers and State Roads Office Searching and maintaining work of historic ruins.

[Photos of support activities]



Investigation into damage on Route 6 (Mar. 29)



Investigation into the tsunami damage (Yamamoto Apr. 15)

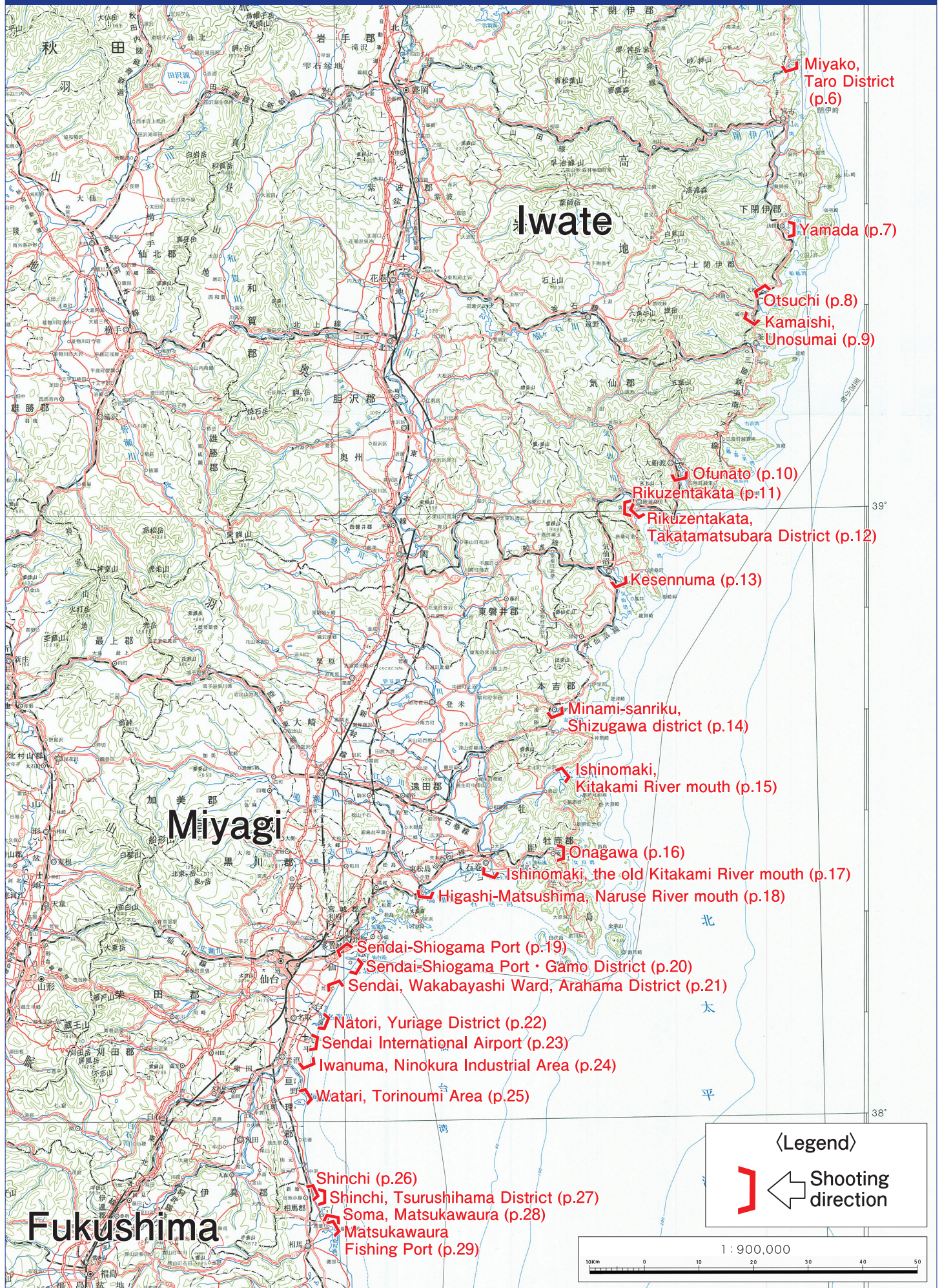


Reporting the emergency recovery construction (Mar. 24)



Investigation into damaged historic ruins (Apr. 2)

Shooting location of before and after photos



(Photography by Shashin-kikaku Co.)

The map is authorized by the Geospatial Information Authority of Japan. Permission No. : Hei 23 No. 1

Before and after photos in Iwate

〈Miyako, Taro District〉



March, 2010



March 28, 2011

Before and after photos in Iwate

〈Yamada〉



March, 2010



March 28, 2011

Before and after photos in Iwate

〈Otsuchi〉



March, 2010



March 28, 2011

Before and after photos in Iwate

〈Kamaishi, Unosumai〉



October, 2007



March 28, 2011

Before and after photos in Iwate

〈Ofunato〉



March, 2010



March 28, 2011

Before and after photos in Iwate

〈Rikuzentakata〉



May, 2007



March 28, 2011

Before and after photos in Iwate

〈Rikuzentakata, Takatamatsubara District〉



March, 2010



March 28, 2011

Before and after photos in Miyagi

〈Kesennuma〉



May, 2004



March 28, 2011

Before and after photos in Miyagi

〈Minami-sanriku, Shizugawa District〉



May, 2001



March 28, 2011

Before and after photos in Miyagi

〈Ishinomaki, Kitakami River mouth〉



March, 1985



April 17, 2011

Before and after photos in Miyagi

〈Onagawa〉



June, 2006



April 17, 2011

Before and after photos in Miyagi

〈Ishinomaki, the old Kitakami River mouth〉



September, 2001



April 5, 2011

Before and after photos in Miyagi

〈Higashi-Matsushima, Naruse River mouth〉



May, 2003



April 17, 2011

Before and after photos in Miyagi

〈Sendai-Shiogama Port〉



September, 2010



April 5, 2011

Before and after photos in Miyagi

〈Sendai-Shiogama Port • Gamo District〉



September, 2010



April 5, 2011

Before and after photos in Miyagi

〈Sendai, Wakabayashi Ward, Arahama District〉



September, 2003



April 17, 2011

Before and after photos in Miyagi

〈Natori, Yuriage District〉



September, 2001



March 27, 2011

Before and after photos in Miyagi

〈Sendai International Airport〉



September, 1999



March 27, 2011

Before and after photos in Miyagi

〈Iwanuma, Ninokura Industrial Area〉



May, 1998



April 17, 2011

Before and after photos in Miyagi

〈Watari, Torinoumi Area〉



October, 1998



March 27, 2011

Before and after photos in Fukushima

〈Shinchi〉



May, 2006



June 6, 2011

Before and after photos in Fukushima

〈Shinchi, Tsurushihama District〉



March, 2009



June 6, 2011

Before and after photos in Fukushima

〈Soma, Matsukawaura〉



March, 2010



June 6, 2011

Before and after photos in Fukushima

〈Matsukawaura Fishing Port〉



October, 2003



June 6, 2011



Ishinomaki, Miyagi Prefecture near the mouth of the Kitakami River (Shooting: March 11, Tohoku Construction Association)

Tohoku Construction Association

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