

Sediment-related disasters due to the Chuetsu Earthquake in Niigata Prefecture in 2004

On October 23, 2004, the Chuetsu Earthquake occurred in Niigata Prefecture with a seismic intensity of 7. Due to this tremor, a total of 267 sediment-related disasters, including slope failures and landslides, were caused in this prefecture, killing four persons (two at the Nigorizawa and two at the Myokenmachi, both in Nagaoka City) and injuring one person.



Blockade of river course
(Terano, Yamakoshi Village)



Yubu, Yamakoshi Village
(total collapse: 3)

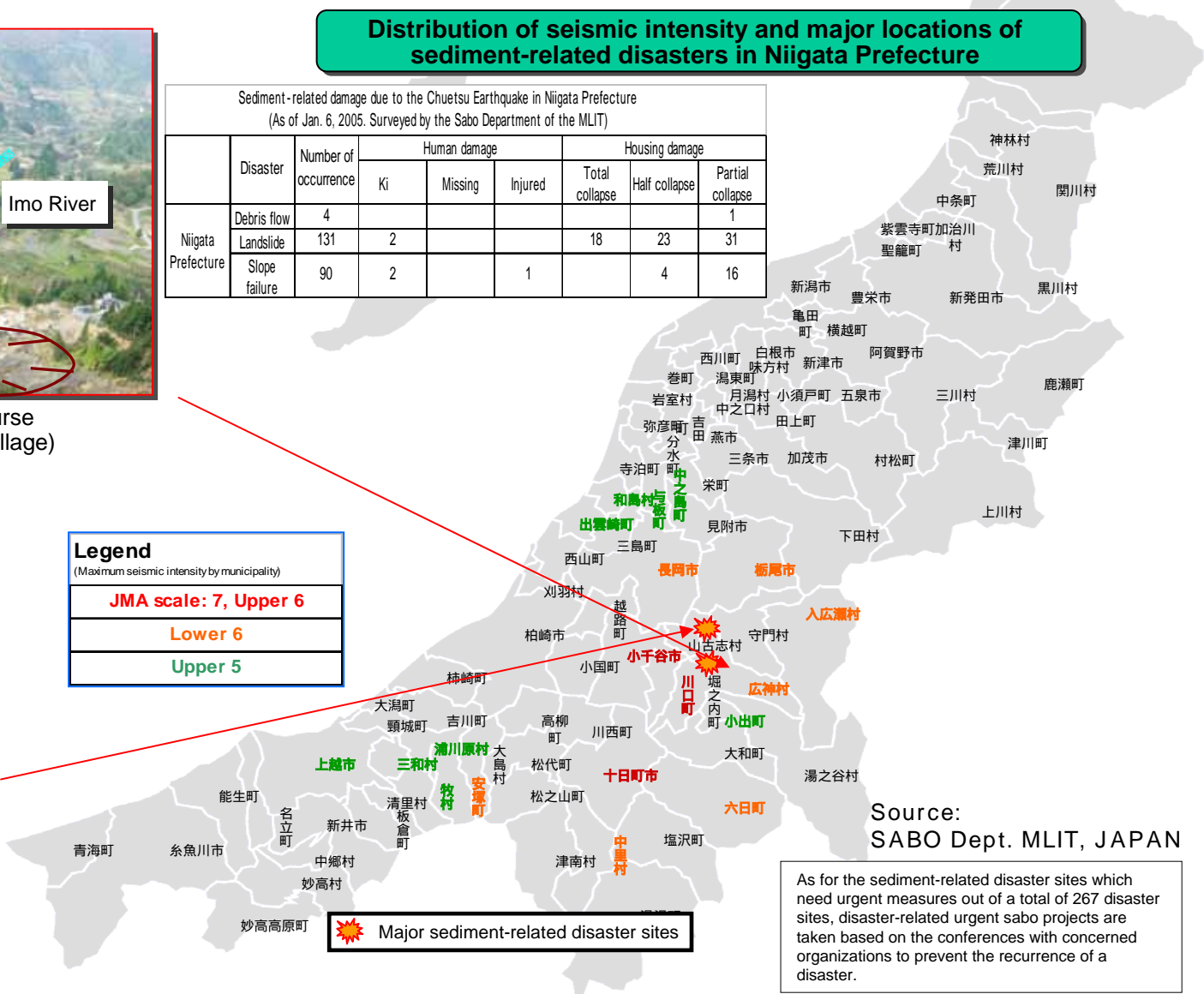
Distribution of seismic intensity and major locations of sediment-related disasters in Niigata Prefecture

Sediment-related damage due to the Chuetsu Earthquake in Niigata Prefecture
(As of Jan. 6, 2005. Surveyed by the Sabo Department of the MLIT)

	Disaster	Number of occurrence	Human damage			Housing damage		
			Ki	Missing	Injured	Total collapse	Half collapse	Partial collapse
Niigata Prefecture	Debris flow	4						1
	Landslide	131	2			18	23	31
	Slope failure	90	2		1		4	16

Legend
(Maximum seismic intensity by municipality)

JMA scale: 7, Upper 6
Lower 6
Upper 5



Source: SABO Dept. MLIT, JAPAN

As for the sediment-related disaster sites which need urgent measures out of a total of 267 disaster sites, disaster-related urgent sabo projects are taken based on the conferences with concerned organizations to prevent the recurrence of a disaster.