Minowa Town
Hazard Map

Sediment disaster warning zones

Steep terrain
- Sediment disaster special warning zone
- Sediment disaster warning zone (area in white inside purple lines)

Debris flow
- Sediment disaster special warning zone
- Sediment disaster warning zone

Landslide
- Landslide hazard zone

Potential flood hazard zone involving home damage (Areas requiring early evacuation)

- Potential flood hazard zone involving home damage (Bank erosion)
- Potential flood hazard zone involving home damage (Flood flow)

Flood hazard zone and approximate flood height

5.0m or higher	
3.0-5.0m	Up to eaves height of the 2nd floor
1.0~3.0m	Up to the 1st floor roof
0.5~1.0m	Up to waist height of an adult
0.5mor lower	Up to knee height of an adult

※US floor numbering

Active fault

- Active fault
- Vertical displacement of active faults Shows relatively declining side
- Tilt direction of topographic surface

出典：池田安隆・澤 祥・中田 高・松多信尚（2003）：1:25,000 都市圏活断層図「伊那」，国土地理院

Legend

Evacuation site	Flood control warehouse
Primary shelter	Meteorological equipment/rain gauge
Secondary shelter	Water-level gauge
Welfare shelter	River camera
Facility for the vulnerable	Heliport
Minowa Town Office	Government disaster radio system (without loudspeaker)
Police box	
Fire station	
Nursery school	Erosion control dam
National road / Prefectural road	Expressway
Farm road / Railway	River

■Minowa Town Hazard Map

This map was created to help residents evacuate quickly and safely. It shows the predicted flood area and depth (flood hazard zone) when heavy rain causes rivers to rise and overflow, as well as areas at risk of sediment disasters and information on shelters, etc.
Make sure to regularly check the hazardous areas and evacuation sites around your home. Be prepared to evacuate immediately if you sense danger or if an evacuation is announced via disaster prevention radio or other means.

■Designated shelters

This is a list of evacuation sites and shelters designated by Minowa Town. If river flooding or landslides are expected, evacuation will be announced via the town's disaster radio system. Please take necessary measures and evacuate to the designated shelter or a safe place.

■Flood hazard zones

The flood hazard zones listed here show the potential flood conditions of the Kuwasawa, Fukazawa, Obinashi and Sawa Rivers (created by Nagano Prefecture Ina Construction Office), overlaid with the flood hazard zones of the Tenryu River (created by Tenryu River Upper Reach Office, Chubu Regional Development Bureau, MLIT). For the areas where the two zones overlap, the deeper of the two flood depths is listed.

■Potential flood hazard zones involving home damage (bank erosion/flood flow)

The potential flood hazard zones involving home damage are segments of the Tenryu River for flood forecasting for a flood may cause house damage (created by Tenryu River Upper Reach Office, Chubu Regional Development Bureau, MLIT in December 2016). It shows the predicted width of riverbank erosion that would occur due to flooding caused by the maximum anticipated rainfall, and the flood flow conditions if the Tenryu River were to overflow.

■Sediment disaster warning zones/Sediment disaster special warning areas

Based on the Sediment Disaster Prevention Act (Act on Sediment Disaster Countermeasures for Sediment Disaster Prone Areas), the prefectural governor designates areas at risk of sediment disasters with the aim of promoting soft measures to protect the lives of residents from sediment disasters, such as publicizing the dangers, establishing emergency evacuation systems, restricting the construction of new houses and buildings, and encouraging relocation of existing houses.
(This map shows the sediment disaster warning zones and sediment disaster special warning zones designated before September 2014.)

Meteorological equipment/rain gauge

No.	Name
1	Nagata Haisuichi
2	Tomida Kouminkan
3	Minowamachi Yakuba
4	Kitaogochi Kouminkan
5	Nagaoka Kouminkan
6	Fukuyo Kouminkan
7	Kamifuruta (Nagano Prefecture)
8	Minowa Damu (Nagano Prefecture)

Flood control warehouse

No.	Name
1	Sawa Flood control warehouse
2	Minamiogochi Flood control warehouse
3	Mikkamachi Storage for disaster prevention equipment
4	Minowa Flood control warehouse
5	Han no ki Flood control warehouse

Shelters and evacuation sites in flood hazard zones and sediment disaster warning zones

In order to accommodate as many evacuees as possible and ensure their safety in the event of a large-scale disaster, some facilities are designated as evacuation shelters even if they are located in a flood hazard zone or sediment disaster warning zone.
In the event of an actual disaster, you may need to move to another evacuation facility based on disaster prevention weather information, rainfall conditions, and conditions around the facility.

Potential rainfall in flood hazard zones

- L1 (Once-in-100-year rainfall event)
  Tenryu River: Precipitation of 250mm in 48h　Sawa River: Precipitation of 200mm in 24h
  Kuwasawa, Fukazawa, Obinashi Rivers: Precipitation of 59mm/h
- L2 (Once-in-1,000-year rainfall event)
  Tenryu River: Precipitation of 605mm in 48h　Sawa River: Precipitation of 798mm in 24h
  Kuwasawa, Fukazawa, Obinashi Rivers: Precipitation of 836mm in 24h

Facilities for the vulnerable in sediment disaster warning zone/flood hazard zone

Facility category	Disaster type	No.	Location	Address
Welfare facility	Sediment disaster	1	Gureisufuru Minowa	Nakaminowa6065
		2	YuuchanChi Ihoku	Nakaminowa1450-1
	Sediment disaster/ Flooding	3	Wakakusa En	Mikkamachi1456
	Flooding	4	Mikkamachi Homu	Mikkamachi1574
		5	Yutori Sou	Mikkamachi1372-1
		6	Minowa En	Mikkamachi1660-3
		7	Seikyou Sougou Kea Senta Minowa	Nakaminowa11329-1
		8	Takuyourousho Nanohana	Higashi Minowa5139-5
		9	Opusyon Arufa	Nakaminowa8040-5
		10	Janken Pon	Higashi Minowa4970-2
		11	Kirameki Teiyuru	Nakaminowa8188
		12	Fureai Kizzu Minowa Kyoushitsu	Nakaminowa8944-1
School/ Daycare	Sediment disaster	13	Minowa Minami Shougakkou	Mikkamachi5
		14	Minowa Nishi Shougakkou	Nakaminowa5715-1
	Sediment disaster/Flooding	15	Mikkamachi Hoikuen	Mikkamachi1456
	Sediment disaster	16	Nagata Hoikuen	Nakaminowa2134-268
		17	Kamifuruta Hoikuen	Nakaminowa6031-3
		18	Gakudou Kurabu Nanbu Kyoushitsu	Mikkamachi5
		19	Gakudou Kurabu Seibu Kyoushitsu	Nakaminowa5751-1
		20	Minowa Shinsyuu Koukou	Nakaminowa13238
Healthcare	Flooding	21	Kamiina Seikyou Byouin	Nakaminowa11324

Heliport

No.	Name
1	Kamifuruta Undoujou
2	Banbahara Kouen Daini Guraundo

Access the water-level information of each river and images from the river camera from here.
Water-level information (River Information Center)

Water Level Observatory / Water-level gauge for risk management

No.	Name of river	Location
1	Tenryuu Gawa	Inatomi
2		Left bank 209.6k+1
3		Left bank 208.6k+30
4		Left bank 207.6k+44
5		Left bank206.4k+154
6		Right bank 205.2k+159
7		Right bank 204.8k+1
8		Right bank 204.4k+1
9		Left bank 203.4k+54
10		Left bank201.2k+165
11		Left bank201.0k+30
12		Right bank 200.8k+33
13		Kitatono
14	Sawa Gawa	Fukuzawa
15		Minamida
16	Kuwazawa Gawa	Fukihara Bashi
17	Fukasawa Gawa	Shimo Fukasawa Bashi
18	Obinashi Gawa	Obinashi Bashi

River camera

No.	Name of river	Location
1	Tenryuu Gawa	Inatomi Suii Kansokujo
2		Left bank 208.2k+157
3		Kitajima Jouryuu
4		Kitajima Karyuu
5		Machida Bashi
6		Right bank200.0k+114
7		Sezawagawa Gouryuuten
8		Kitatono Suii Kansokujo
9	Sawa Gawa	Fukuzawa
10		Minamida

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0 1000 2000 m

Evacuation sites

No.	Name of facility	Address	District	Relationship to disaster zone: Flood hazard (L1)	Flood hazard (L2)	Sediment disaster warning zone	Earth quake
1	Minowa Chuubu Shougakkou Koutei	Nakaminowa10235	Matsushima	○	○	○	○
2	Minowa Kita Shougakkou Koutei	Nakaminowa475	Sawa	In the zone Kuwazawa Gawa	In the zone Kuwazawa Gawa	○	○
3	Minowa Nishi Shougakkou Koutei	Nakaminowa5715	Kamifuruta	○	○	In the zone	○
4	Minowa Higashi Shougakkou Koutei	Higashiminowa3187-1	Minamiogoch	○	○	○	○
5	Minowa Minami Shougakkou Koutei	Mikkamachi5	Mikkamachi	○	○	In the zone	○
6	Minowa Chuugakkou Koutei	Nakaminowa10230-59	Matsushima	○	○	○	○
7	Minowa Shinshuu Koukou Koutei	Nakaminowa13238	Kinoshita	○	○	○	○
8	Minowamachi Yakuba Chuushajou	Nakaminowa10298	Matsushima	○	○	○	○
9	Ichinomiya Kouminkan(Niwa)	Nakaminowa16206-1	Kinoshita	○	○	○	○
10	Nagata Hoikuen(Entei)	Nakaminowa2134-268	Sawa	○	○	In the zone	○
11	Yaotome Guraundo	Nakaminowa4242	Yaotome	○	○	In the zone	○
12	Fukuyo Nouson Undou Kouen	Fukuyo524	Fukuyo	○	○	In the zone	○
13	Ion Minowaten Minamigawa Chuushajou	Nakaminowa9025	Matsushima	In the zone Tenryuu Gawa	In the zone Tenryuu Gawa	○	○
14	Minowa Terasu Chuushajou	Nakaminowa3730-156	Ooide	○	○	In the zone	○
15	Berushain Ihokuten Chuushajou	Nakaminowa3011-1	Ooide	○	○	○	○
16	Berushain Minowaten Chuushajou	Mikkamachi933-1	Mikkamachi	In the zone TenryuuGawa・Obinashi Gawa	In the zone Tenryuu Gawa・Obinashi Gawa	○	○

Designated shelters

Primary shelters

No.	Name of facility	Address	District	Relationship to disaster zone: Flood hazard (L1)	Flood hazard (L2)	Sediment disaster warning zone	Earth quake
1	Sawa Kouminkan	Nakaminowa1740	Sawa	○	Above 2F(※) Kuwazawa Gawa	○	○
2	Ooide Komyunitei Senta	Nakaminowa2184−1	Ooide	○	○	○	○
3	Hokuseibu Tamokuteki Senta	Nakaminowa4219−6	Yaotome	○	○	In the zone	○
4	Shimofuruta　Kouminkan	Nakaminowa4785−3	Simofuruta	○	○	In the zone	○
5	Kamifuruta Kouminkan	Nakaminowa6357	Kamifuruta	○	○	In the zone	○
6	Nakahara Kouminkan	Nakaminowa7628	Nakahara	○	○	○	○
7	Matsushima Komyunitei Senta	Nakaminowa8440−1	Matsushima	○	Above 2F(※) Obinashi Gawa	○	○
8	Kinoshita Kouminkan	Nakaminowa11393−1	Kinoshita	Above 2F(※) TenryuuGawa・Obinashi Gawa	Above 2F(※) TenryuuGawa・Obinashi Gawa	○	○
9	Tomida Kouminkan	Nakaminowa15879−1	Tomita	○	○	In the zone	○
10	Nakazone Kouminkan	Nakazone36	Nakazone	○	○	○	○
11	Mikkamachi Kouminkan	Mikkamachi1617−2	Mikkamachi	○	In the zone TenryuuGawa	In the zone	○
12	Fukuyo Kouminkan	Fukuyo528	Fukuyo	○	○	In the zone	○
13	Nagaoka Kouminkan	Higashiminowa270−1	Nagaoka	○	○	In the zone	○
14	Minamiogochi Kouminkan	Higashiminowa3264−9	Minamiogochi	○	○	○	○
15	Kitaogochi Kouminkan	Higashiminowa4897−1	Kitaogochi	○	○	○	○

※UK First Floor

Secondary shelters

No.	Name of facility	Address	District	Relationship to disaster zone: Flood hazard (L1)	Flood hazard (L2)	Sediment disaster warning zone	Earth quake
1	Minowa Chuubu Shougakkou Taiikukan	Nakaminowa10235	Matsushima	○	○	○	○
2	Minowa Kita Shougakkou Taiikukan	Nakaminowa475	Sawa	In the zone Kuwazawa Gawa	In the zone Kuwazawa Gawa	○	○
3	Minowa Nishi Shougakkou Taiikukan	Nakaminowa5715−1	Kamifuruta	○	○	○	○
4	Minowa Higashi Shougakkou Taiikukan	Higashiminowa3187−1	Minamiogochi	○	○	○	○
5	Minowa Minami Shougakkou Taiikukan	Mikkamachi5	Mikkamachi	○	○	In the zone	○
6	Minowa Chuugakkou Taiikukan	Nakaminowa10251	Matsushima	○	○	○	○
7	Shakai Taiikukan	Nakaminowa10225−1	Matsushima	○	○	○	○
8	Fujigaoka Taiikukan	Nakaminowa10235	Matsushima	○	○	○	○
9	Minowa Shinshuu Koukou Daini Taiikukan	Nakaminowa13238	Kinoshita	○	○	○	○
10	Sawa Hoikuen	Nakaminowa1890−1	Sawa	○	○	○	○
11	Kamifuruta Hoikuen	Nakaminowa6031−3	Kamifuruta	○	○	In the zone	○
12	Matsushima Hoikuen	Nakaminowa10275−2	Matsushima	○	○	○	○
13	Kinoshita Hoikuen	Nakaminowa13333−1	Kinoshita	○	○	○	○
14	Mikkamachi Hoikuen	Mikkamachi1456	Mikkamachi	○	In the zone TenryuuGawa	○	○
15	Higashi Minowa Hoikuen	Higashiminowa3229	Minamiogochi	○	○	○	○
16	Nagata Hoikuen	Nakaminowa2134−268	Sawa Nagata	○	○	In the zone	○
17	Ikiiki Senta Sanraizu (Kosodate Shien Senta)	Nakaminowa8759	Matsushima	In the zone TenryuuGawa・Obinashi Gawa	In the zone TenryuuGawa・Obinashi Gawa	○	○
18	Bousai Kouryuu Shisetsu (Minowa Bésu)	Nakaminowa9499-4	Matsushima	○	Above 2F(※) Obinashi Gawa	○	○

※UK First Floor

Welfare shelters

Eligible evacuees	No.	Name of facility	Address	District	Relationship to disaster zone: Flood hazard (L1)	Flood hazard (L2)	Sediment disaster warning zone	Earth quake
Senior citizen	1	Gureisufuru Minowa	Nakaminowa6065	Kamifuruta	○	○	In the zone	○
	2	Seikyou Sougou Kea Senta Minowa	Nakaminowa11329−1	Kinoshita	Above 2F(※) Tenryuu Gawa・Obinashi Gawa	Above 2F(※) Tenryuu Gawa・Obinashi Gawa	○	○
	3	Fureai No Sato	Nakaminowa14432−1	Kinoshita	○	○	○	○
	4	Minowa En	Mikkamachi1660−3	Mikkamachi	○	In the zone Tenryuu Gawa	○	○
	5	Yutori Sou	Mikkamachi1372−1	Mikkamachi	○	In the zone Tenryuu Gawa	○	○
	6	Wakana	Higashiminowa3296−1	Minamiogochi	○	○	○	○
Persons with disabilities	7	Furendo Waku	Nakaminowa1905−1	Sawa	○	○	○	○

※Family members are also accepted.　※UK First Floor