

Tsukuba City Flood and Landslide Hazard Map

This hazard map provides information such as anticipated flood zones and landslide (sediment disaster) hazard zones provided by the Shimodate River Office of the Ministry of Land, Infrastructure, Transport and Tourism and Ibaraki Prefecture. Since designated emergency evacuation areas and evacuation shelters are also provided, you can use this map when considering disaster prevention measures and conducting local disaster drills.

[Designated evacuation shelters]

- Designated evacuation shelters are places to distribute supplies and where you can stay temporarily when living in your house is dangerous or difficult. (e.g., elementary schools, exchange centers, etc.)
- Designated evacuation shelters may not be available depending on the type of disaster or the damage situation.
- Not available if there is a risk of flood disaster
- Not available when there is a risk of landslide (sediment disaster)
- Special-needs shelter

*Special-needs shelters are for people requiring special care and support when living in shelters, such as people requiring nursing care and people with disabilities.

Facility name	Address	Flood	Sediment	Map contents
1 Ozono Elementary School	2917 Ozono	○	○	C-3
2 Maeno Elementary School	1367 Maeno	○	○	C-3
3 Kaname Elementary School	449-1 Kaname	○	○	C-4
4 Yoshinuma Elementary School	1010 Yoshinuma	○	○	B-3
5 Iho Junior High School	475 Shinzaki	○	○	C-3
6 Numazaki Elementary School	1650 Numazaki	○	○	C-4
7 Imagashima Elementary School	1762 Imagashima	○	○	B-3
8 Kanaga Elementary School	2499 Kanaga	○	○	B-4
9 Toyosato Junior High School	1213 Koya	○	○	B-4
10 Yatabe Elementary School	2938 Yatabe	○	○	C-6
11 Yatabe Minami Elementary School	191-1 Sakaida	○	○	C-7
12 Maeno Elementary School	2731 Maeno	○	○	B-5
13 Shimana Elementary School	537-1 Shimana	○	○	C-5
14 Katsuragi Elementary School	689 Karima	○	○	C-5
15 Taghahashi Elementary School	360 Taghahashi	○	○	C-5
16 Onogawa Elementary School	231 Tanaka	○	○	D-6
17 Teshirogi Junior High School	4-24 Matsushiro	○	○	D-5
18 Ninomiya Elementary School	4-11 Ninomiya	○	○	D-5
19 Matsushiro Elementary School	3-3-1 Matsushiro	○	○	D-5
20 Higashi Elementary School	2-24 Higashi	○	○	D-6
21 Yatabe Junior High School	6100 Yatabe	○	○	C-6
22 Takayama Junior High School	Shimokawarazaki 503	○	○	B-5
23 Teshirogi Junior High School	5-10 Matsushiro	○	○	D-5
24 Yatabe Higashi Junior High School	2-25-1 Higashi	○	○	D-6
25 Sakae Elementary School	54 Kanda	○	○	C-4
26 Kokonoe Elementary School	2126 Unomuro	○	○	D-5
27 Onan Elementary School	788-1 Sasagi	○	○	E-5
28 Kurihara Elementary School	2018 Kurihara	×	○	D-4
29 Takezono Higashi Elementary School	3-13 Takezono	○	○	D-5
30 Namiki Elementary School	2-12 Namiki	○	○	D-5
31 Azuma Elementary School	2-16 Azuma	○	○	D-5
32 Takezono Nishi Elementary School	2-16-4 Takezono	○	○	D-5
33 Sakura Junior High School	32 Sakuramonori	○	○	C-4
34 Takezono Higashi Junior High School	3-11 Takezono	○	○	D-5
35 Namiki Junior High School	3-8 Namiki	○	○	D-5
36 Azuma Junior High School	1-9-1 Amakubo	○	○	D-4
37 Former Tamiyama Elementary School	620 Minami	○	○	C-5
38 Former Tai Elementary School	2200 Kangori	○	○	C-2
39 Former Oda Elementary School	3107 Oda	○	○	D-3
40 Former Yamaguchi Elementary School	913 Yamaguchi	○	○	D-2
41 General Educational Research Center	1333-1 Ogata	○	○	C-3
42 Former Sugama Elementary School	677 Nakaguguma	○	○	C-2
43 S High School	578-2 Tsukuriya	○	○	C-2
44 Mt.Tsukuba Gate Park	4160 Hojo	○	○	C-2
45 Kukizaki Daiichi Elementary School	2290 Takasaki	○	○	D-7
46 Kukizaki Daini Elementary School	1078 Kamiiwasaki	○	○	B-8
47 Kukizaki Daisan Elementary School	798-1 Ogaki	×	○	D-7
48 Kukizaki Junior High School	450 Ogaki	○	○	D-7
49 Takasaki Junior High School	1730 Takasaki	○	○	D-7
50 Gassan Gakuen Compulsory School	2-47 Kanaga	○	○	C-5
51 Tsukuba Learning Center	1477-1 Hojo	○	○	D-2
52 Civic Hall Tsukubane	5060 Hojo	×	○	C-2
53 Tsukuba Community Center	5060 Hojo	×	○	C-2
54 Community Center	1-16-4 Takezono	○	○	C-5
55 Toyosato Community Center	1197-30 Koya	○	○	B-4
56 Yatabe Community Center	4774-18 Yatabe	×	○	C-6
57 Matsushiro Community Center	4-16-3 Matsushiro	○	○	D-5
58 Ninomiya Community Center	4-6-2 Ninomiya	○	○	D-5
59 Kanaga Community Center	2-36-1 Kanaga	○	○	D-3
60 Shimana Community Center	784-30 Shimana	○	○	C-5
61 Onogawa Community Center	477-1 Tatenno	○	○	D-5
62 Takezono Community Center	3-19-2 Takezono	○	○	D-5
63 Namiki Community Center	4-2-1 Namiki	○	○	D-5
64 Hirooka Community Center	410-167 Shimohirooka	○	○	E-5
65 Civic Center	1-10-1 Azuma	○	○	D-5
66 Kukizaki Community Center	318 Ogaki	○	○	D-7
67 Tsukuba Capita	1-10-1 Takezono	○	○	C-5
68 Jojo Bank, Ltd. Jojo Tsukuba Building	1-14-2 Azuma	○	○	D-5
69 Tsukuba Bank, Ltd. Tsukuba Headquarters Building	1-7 Takezono	○	○	D-5
70 Kashima Antlers FC	51-1 Midorinocho	○	○	C-6
71 Tsukuba Academy Center	2074-1 Yatabe	○	○	C-6
72 Working Women's Home	40-2 Numata	○	○	C-1
73 Chikatsu Shrine	173 Hassaki	○	○	D-8
74 Sakura Community Center	10624 Matusuzaka	○	○	D-4
75 Sakura Senior Citizens Welfare Center	2470 Kurihara	○	○	D-4
76 Shuho Tsukuba Compulsory School	5073 Hojo	×	○	C-2
77 Gakuen no Mori Compulsory School	2-15-7 Gakuenomori	○	○	C-4
78 Midorino Sakuen Compulsory School	12-1 Midorinocho	○	○	C-6
79 Tsukuba City Hall Community Building	1-1-1 Kenkyugakuen	○	○	C-7
80 Yoshinuma Community Center	790 Yoshinuma	○	○	B-3
81 Kurihara Community Center	5386-2 Kurihara	×	○	D-4
82 KASUMI CO., LTD.	599-1 Nishiohoshi	○	○	C-5
83 Tsukuba Gymnasium	621 Nishiohoshi	○	○	C-3
84 Tokodai Gymnasium	5-13-5 Tokodai	○	○	C-4
85 Iho Gymnasium	1-10-4 Tsukubo	○	○	C-3
86 Toyosato Gymnasium	1240-3 Koya	○	○	B-4
87 Toyosato Judo-Kendojo	4352 Imagashima	○	○	B-4
88 Kenkyugakuen Elementary School	2-26 Kenkyugakuen	○	○	C-5
89 Kenkyugakuen Junior High School	2-26 Kenkyugakuen	○	○	C-5
90 Katodai Elementary School	1716 Shimano	○	○	C-5
91 Katodai Community Plaza	1716 Shimano	○	○	C-5
92 Midorinominami Elementary School	168-3 Midorinominami	○	○	C-7
93 Midorinominami Junior High School	166-1 Midorinominami	○	○	C-7
94 Doho Park	2-20 Ninomiya	○	○	D-5
95 Prefectural Tsukuba Special Needs School	2100 Tamatori	○	○	D-4
96 Tsukubano Special Nursing Home for the Elderly	1072-1 Koya	○	○	E-5
97 A Ito Court Special Nursing Home for the Elderly	429-1 Kaniyokoba	○	○	C-6
98 Daiichi Ozora Special Nursing Home for the Elderly	1241-1 Inashihara	○	○	D-7
99 Hanamizaki Special Nursing Home for the Elderly	525-1 Shimohara	○	○	D-6
100 A Ruffine Tsukubane	176-1 Kowada	○	○	C-2
101 A Minori	859-4 Minori	○	○	C-2
102 A Tsukubane Gakuen	366 Kowada	○	○	D-2
103 A I-Relay Tsukuba	273-1 Kaname	○	○	C-4
104 A Group Home Tempopo	3393-1 Yatabe	○	○	C-6
105 A Nakayoshi	4326-2 Hojo	×	○	C-2
106 A Small-scale Multifunctional Care Home	2290-9 Kaniyokoba	○	○	C-6
107 A Tolerance Tamura	1600-3 Kamigo	○	○	B-4
108 A Frontier Special Nursing Home for the Elderly	6107-1 Yatabe	○	○	C-6
109 A Premier Genkai Long-Term Care Facility	6107-1 Yatabe	○	○	C-6
110 A Group Home Chikusen	6107-1 Yatabe	○	○	C-6
111 A Sunshine Villa Tsukuba Club	6107-2 Yatabe	○	○	C-6
112 A Sun-based Home with Nursing Care	2-3-10 Gakuenomori	○	○	D-5
113 A Sunshine Comfort Tsukuba	2-3-10 Daimachi	○	○	C-6
114 A Group Home Mio	10-12 Onogawa	○	○	D-6

[Designated emergency evacuation areas]

- Designated emergency evacuation areas are temporary evacuation sites to avoid danger caused by disasters such as fire and flood. (e.g., parks, plazas, higher ground, etc.)
- They may not be available depending on the disaster situation.

Facility name	Address	Flood	Sediment	Map contents
1 Sakura Sports Park	63 Ryuseidai	○	○	D-4
2 Kukizaki Sports Park	2160-10 Shimoiwasaki	○	○	D-7
3 Oda Park	1477-1 Hojo	○	○	D-2
4 Kenkyugakuen Ekimae Park	2-1 Gakuenminami	○	○	C-5
5 Tsukuba Hoku Park	1 Kitahara	○	○	C-3
6 Kashima Antlers FC	51-1 Midorinocho	○	○	C-6
7 Chuo Park	2-7-5 Azuma	○	○	D-5
8 Ohamizui Park	1-5-2 Takezono	○	○	D-5
9 Farmer's Base Tsukuba	866-1 Takasuka	○	○	B-5
10 Coach & Four Tsukuba (parking lot)	3-30-7 Gakuenomori	○	○	C-4
11 Doho Park	2-20 Ninomiya	○	○	D-5

Landslide (Sediment disaster) hazard zones

[Sediment disaster special hazard zones (Red zones)] Areas where, in the event of a sediment disaster, buildings may be damaged and there is extreme danger to the lives of residents.

[Sediment disaster hazard zones (Yellow zones)] Areas where, in the event of a sediment disaster, buildings may be damaged and there is danger to the lives of residents.

Types of sediment disasters in this map

- Cliff failure (collapse of steep slope)

Sediment disaster special hazard zones (Red zone)
Sediment disaster hazard zones (Yellow zone)

- Debris flow

Sediment disaster special hazard zones (Red zone)
Sediment disaster hazard zones (Yellow zone)

- Landslide

Sediment disaster hazard zones (Yellow zone)

- Police station
- Police box and police substation
- Fire department
- Fire station and fire station branch
- Emergency notification medical institution
- Designated evacuation shelter
- Designated emergency evacuation area
- Digital disaster prevention administration radio
- Helipoint
- Drinking water and fire prevention water tank
- Disaster well
- Underpass (Not available in case of submergence during heavy rain)
- Water gauge station
- River camera

[Evacuation sites and shelters]

There are two types of evacuation sites designated by Tsukuba City based on the Basic Act on Disaster Management: "Designated emergency evacuation sites" and "Designated shelters." In preparation for a disaster, make sure to confirm the evacuation site nearby.



[Facilities for persons requiring special care]

The Tsukuba City Regional Disaster Prevention Plan (Material) lists the facilities for persons requiring special care in anticipated flood zones and sediment disaster hazard zones.



[Locations of facilities that have AEDs (Ibaraki Digital Map)]

You can find facilities that have AEDs in the city. (Only facilities that have been registered by Ibaraki Prefecture as facilities with AEDs)



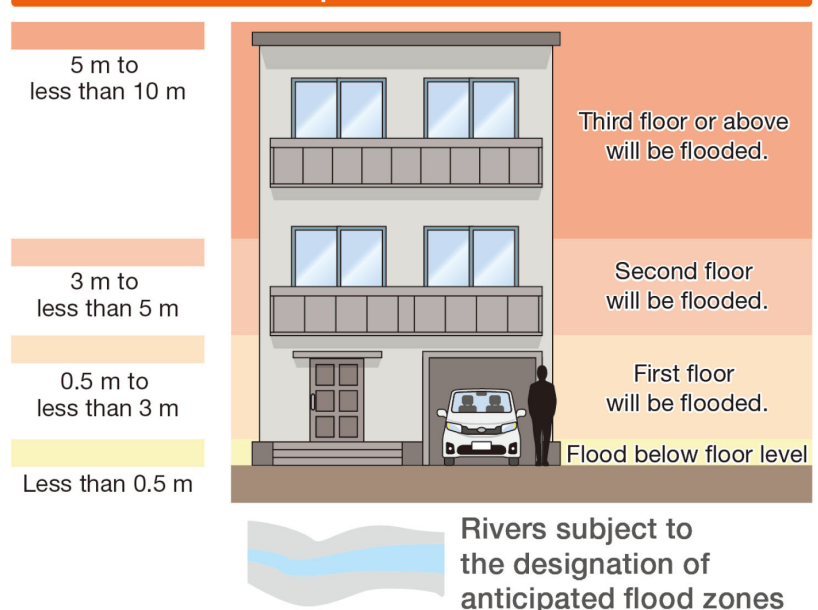
Kannongawa River is located on the north side of this map.

Anticipated flood zones

Anticipated flood zones are the areas where a flood is anticipated owing to river overflow during the anticipated maximum rainfall and designated by the Shimodate River Office of the Ministry of Land, Infrastructure, Transport and Tourism and Ibaraki Prefecture. Rainfall exceeding the assumption, such as local heavy rain for a short period of time or flood of branch rivers, etc., is not assumed. (Related Act: Article 14 of the Flood Prevention Act)

This map shows anticipated flood zones and assumed depth due to flood (flood depth) by color coding. Note that anticipated flood zones on the map are only simulations, and inundation may occur in areas other than the color-coded areas owing to weather conditions or changes in land use beyond the scope of the assumptions.

Estimated flood depth



Areas where evacuation at an early stage is necessary

Legend	Evacuation action
Anticipated zones of house collapse due to flooding	
Flood overflow	Areas with a risk of flood that may cause wooden houses to collapse owing to river bank failures. Earlier evacuation is necessary.
Bank erosion	Areas where houses may collapse owing to the ground being scraped by the strong current of a river. Earlier evacuation is necessary.
Flood depth	
5 m to less than 10 m	Areas where the top floor of buildings is also at risk of inundation. Immediate evacuation is necessary.
3 m to less than 5 m	
Anticipated zones of house collapse due to flooding: areas where houses may be washed away or collapsed during a flood.	

[Anticipated flood criteria]

River name	Total rainfall	Peak period (per hour)
Kokaigawa River (Kokaigawa River basin, upper Kurago basin)	778 mm (72 hrs)	-
Kinugawa River	669 mm (72 hrs)	-
Sakuragawa River	746 mm (48 hrs)	77 mm
Minanogawa River	746 mm (48 hrs)	
Sakasagawa River	746 mm (48 hrs)	
Kamibizengawa River	746 mm (48 hrs)	
Okawa River	746 mm (48 hrs)	
*Kannongawa River	690 mm (24 hrs)	149 mm
Inarigawa River	686 mm (24 hrs)	147 mm
Hanamurogawa River	678 mm (48 hrs)	146 mm
Yatagawa River	678 mm (48 hrs)	
Hasunumagawa River	678 mm (24 hrs)	
Mizuuhorigawa River	674 mm (24 hrs)	145 mm
Katsuragigawa River	674 mm (24 hrs)	
Ottogawa River	674 mm (24 hrs)	
Nishiyatagawa River	674 mm (24 hrs)	
Takaokagawa River	646 mm (24 hrs)	153 mm
Yatagawa River (Ushikunuma Pond)	646 mm (24 hrs)	
Onogawa River	645 mm (24 hrs)	-

*Kannon gawa River is located outside Tsukuba City (on the north side of this map), and the city is partly included in its anticipated flood zone.

Scale: 1/39,500



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