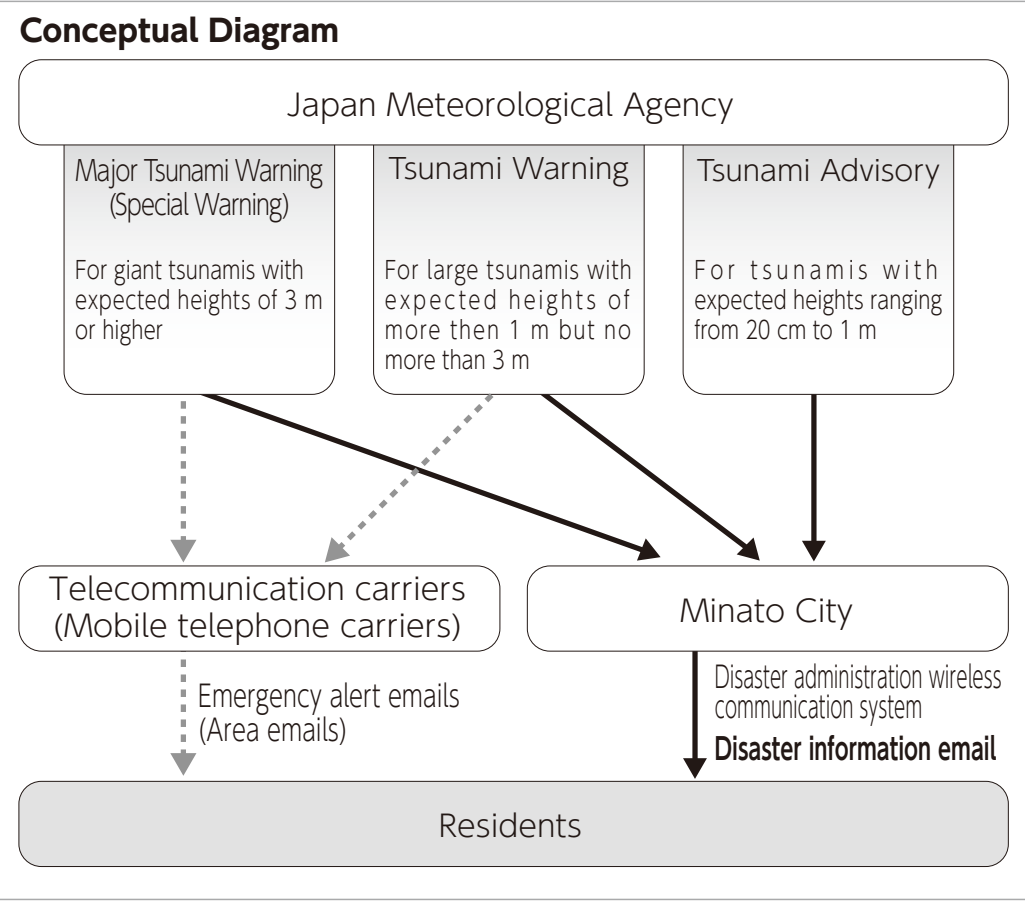


What You Should Know

01 Transmission of Tsunami Alerts

The Japan Meteorological Agency issues three types of tsunami alerts: Major Tsunami Warnings (Special Warnings), Tsunami Warnings and Tsunami Advisories. These alerts are conveyed to residents as shown below. Please check the Minato City disaster information email service, disaster administration wireless communication system and TV notifications for disaster information.



Register with the Disaster Information Email System! (Registration is free)

In addition to tsunamis, the disaster information email system issues real-time advisories for a variety of emergencies including heavy rains, landslides, tornadoes and flooding. Help keep your family safe by registering immediately.



How to Register

- Send a blank email to the address below:
kumin@bousai.city.minato.tokyo.jp
 ※ Leave both the subject and message blank.
- You should receive a reply explaining the service's user policy. Click on the URL below "Register" to proceed to the registration page. If you would like to cancel your registration, click on the URL below "Cancel" instead.
- Select your language from Japanese or English.
- Select the types of alerts you would like to receive from the list of "Alerts to Send," and then click OK.

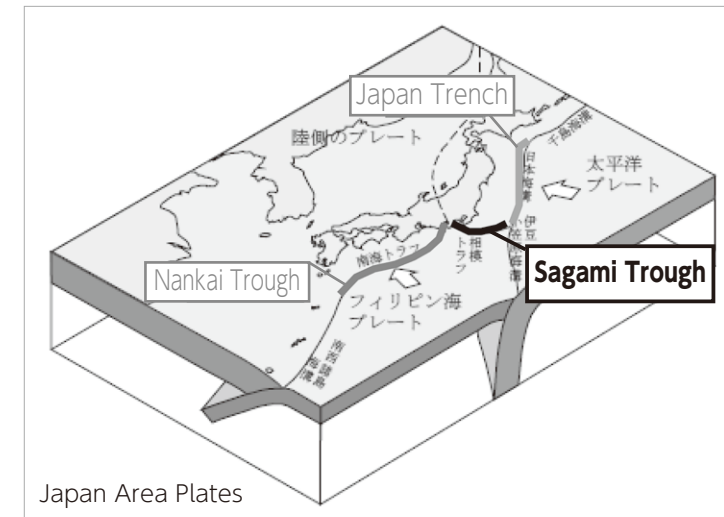


Concerning the Tsunami Hazard Map

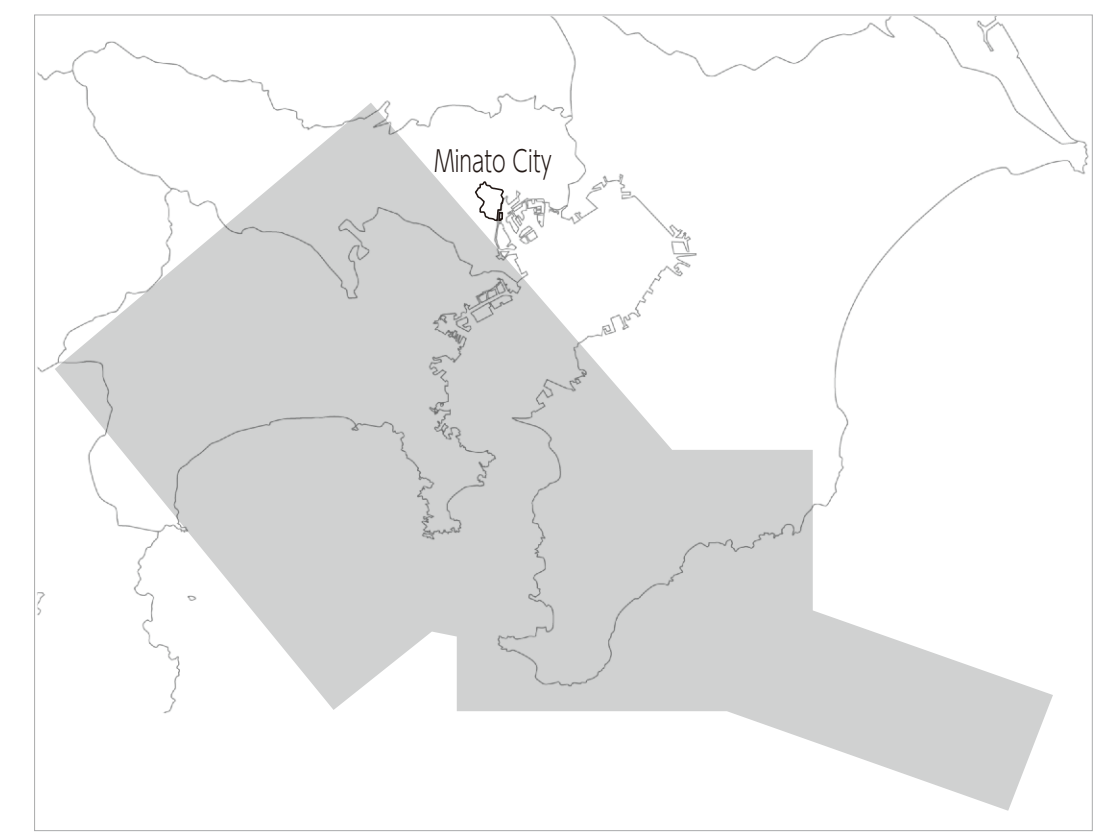
Outline of Simulation of a Forecasted Earthquake (Genroku Kanto Earthquake)

In the Tokyo Bay area a "Sagami Trough earthquake" generally occurs in a 200-year cycle. Recently, there was the Taihō Kanto Earthquake (M7.9) in 1923 and the Genroku Kanto Earthquake in 1703 (M8.2).

Based on the "Long-term Evaluation of the Potential Occurrence of an Earthquake (The Headquarters for Earthquake Research Promotion, Ministry of Education, Culture, Sports, Science and Technology)", it is estimated that the average occurrence of earthquakes of the scale of the Genroku Kanto Earthquake is at intervals of approximately 2,300 years (probability within the next 30 years: almost 0%) and it is considered to be an earthquake of the largest class.



Epicentral Area of the Genroku Kanto Earthquake (M8.2)



Concerning the Transmission of Information

02 Types of Tsunami Warnings and Advisories

Type	Announcement Criteria	Announced Tsunami Height	Estimated damage	Areas subjects to emergency evacuation orders, and actions to take
Major Tsunami Warning (Special Warning)	When the anticipated height of the tsunami exceeds 3m at its highest point	Over 10m (10m<forecasted height)	Wooden structures are expected to be completely destroyed and / or washed away; anybody exposed will be caught in tsunami currents.	An emergency evacuation order will be issued for the entire ward. Everyone should immediately move to an evacuation site or to higher ground. The height of the actual tsunami may greatly exceed what is anticipated by the city, so please move to the highest ground possible.
		10m (5m<forecasted heights<10m)		
Tsunami Warning	When the anticipated height of the tsunami is more than 1m but less than 3m at its highest point	3m (1m<forecasted height<3m)	Flood damage will occur at lower altitudes. People will be caught up in the swell caused by the tsunami.	Emergency evacuation orders will be issued for areas on Hazard Map B where flooding is expected. Those ordered to evacuate should head to higher ground immediately. Those taking refuge within a building should head to the third floor or higher.
		5m (3m<forecasted heights<5m)		
Tsunami Advisory	When the anticipated height of the tsunami is more than 0.2m but less than 1m at its highest point	1m (0.2m<forecasted heights<1m)	Anybody exposed will be caught in a strong tsunami currents in the sea and small boats will capsize. Immediately get out of the sea and get away from the coast.	An emergency evacuation order will be issued for the Odaba District beaches. Those ordered to evacuate should immediately move away from the coast and head for higher ground.

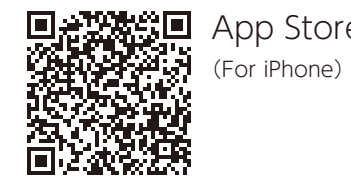
Note: The term "evacuation order" was changed to "emergency evacuation order" in December, 2016.

03 Minato City Disaster App Currently Being Distributed

Minato City offers a free app (Minato-ku Bosai App) to provide information and raise awareness of disaster preparedness among residents and businesses based on experience gained through the Great East Japan Earthquake. Please use this app to check the risk and prepare for disasters (available on tablets and smartphones only).

Main Contents
 "Minato City Disaster Prevention Map" "Disaster Prevention Map by Minato City Area" "Water level/rainfall information (Link)" "Safety information" "Minato City's disaster information e-mail service (Link)" "Voice mail message service during disaster (Link)" "Information on operation of railways, etc. (Link)" "Buzzer function (Linked to device)" "Light function (Linked to device)" "Various disaster prevention pamphlets"

How to download Minato City disaster preparedness app (Minato-ku Bosai App)
 Read the QR code on the right to access the download page or search for "Minato-ku Bosai App" in your app download service.



Knowledge about Tsunamis

04 Protect Yourself from Tsunamis

When a major tsunami warning is announced by the Meteorological Agency, there may be cases where there will be a massive tsunami such as in the Great East Japan Earthquake. Please immediately seek refuge in a safe place such as a Tsunami evacuation building or high ground, etc.

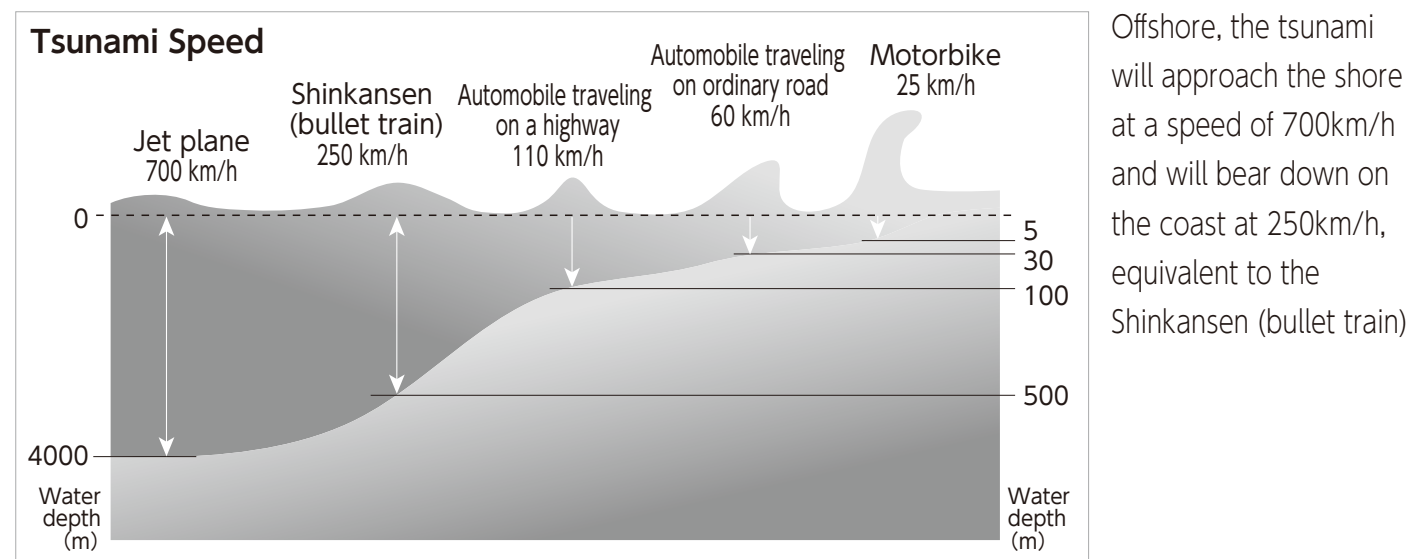
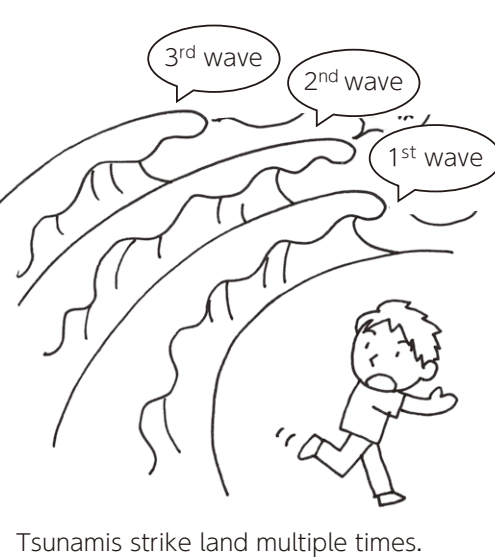
If you feel a strong earthquake or even a weak earthquake which shakes for a long time, immediately get away from the sea and rivers and seek refuge in a safe place. Never under any circumstances go to check out the coast and rivers.

A tsunami will soon strike. When there is an earthquake nearby, there may also be cases where there is no time to seek refuge.

There are cases where a tsunami will repeatedly strike. Please do not leave a safe place until the tsunami warning is lifted.



Even if the shaking of an earthquake is slight, there are cases where a tsunami will come.

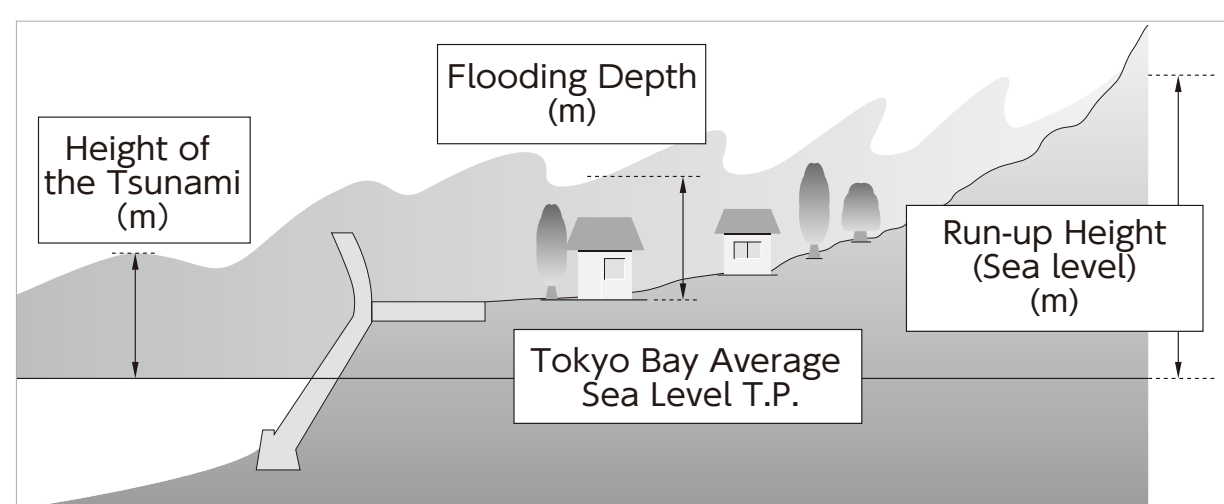


05 Terminology relating to Tsunamis

- "Tidal embankment"** means an embankment which protects against tsunami damage as well as large waves and high tides caused by typhoons, etc.
- "Tokyo Bay average sea level T.P."** means the height of the sea level benchmarked against the national sea level.
- "Height of the tsunami"** means the height of the tsunami above average sea level.
- "Run-up height"** means the highest point of the surge of the tsunami onshore and there are cases when this reaches 2 to 4 times the height of the tsunami.
- "Depth of water"** is the height from ground level to the surface of the water at the highest point of the surface of the water at each spot on land.
- "Start time of tsunami impact"** is the time from the occurrence of an earthquake up to a change arising in water levels which risk having an impact on human life, ships, etc. on the seashore or in the sea due to a tsunami.
- "Tsunami arrival time"** is the time from the occurrence of an earthquake up to the arrival on land of the peak of the 1st wave of the tsunami.

Learn to recognize tsunami symbol

Minato City has designated tsunami evacuation buildings (facilities within the city) as temporary evacuation facilities for escaping from flood-prone areas when a tsunami warning is in effect for Tokyo Bay.



List of Facilities with Sea Level Indicated

(The sea level number indicates the height of the ground at each location. Units: Meters)

Shiba Area			Shiba Area		
NAME	Address	Sea level	NAME	Address	Sea level
Mita Library	5-28 Shiba	3.8	Lifelong Learning Center (North-side park entrance)	3-16 Shimbashi	2.3
Shiba Senior Citizens' Home Care Services Center	3-24 Shiba	4.2	Lifelong Learning Center (Front door)	Shimbashi	3.1
Shiba Area Senior Citizens Consultation Center			Shiba Elementary School (East gate)		3.3
Health & Welfare Center for the Disabled, City Heights Takeshiba	1-8 Shiba	2.3	Shiba Elementary School (West gate)	2-21 Shiba	3.8
Minato Library	3-2 Shibakoen	3.6	Onarimon Elementary School (West gate)	3-2 Shibakoen	4.5
Toranomon Iki-iki Plaza, Toranomon Senior Citizens' Home Care Services Center	1-21 Toranomon	5.6	Onarimon Elementary School (North gate)	3-2 Shibakoen	4.1
Minato Public Health Center, Children and Families Support Center	1-4 Mita	4.8	Onarimon Junior High School (West gate)	3-25 Nishi-shimbashi	3.7
Mita Iki-iki Plaza	4-1 Shiba	3.6	Onarimon Junior High School (East gate)		3.3
Minato Child-rearing Supporting Center "Pokke", Shiba Nursery School	5-18 Shiba	3.8	Akabane Elementary School, Akabane Kindergarten (Entrance)	1-4 Mita	14.0
Minato Workers' Welfare Hall	5-18 Shiba	3.6	Akabane Elementary School, Akabane Kindergarten (Back gate)		14.3
Minato City Hall, Shiba Regional City Office (Front entrance)	1-5 Shibakoen	3.1	Shibakoen Nursery School	2-7 Shibakoen	2.7
Minato City Hall, Shiba Regional City Office (Back entrance)	Shibakoen	2.6	Municipal Public Bath "Fureai-no-Yu"	2-2 Shiba	2.4
City Heights Shimmei, Eco Plaza	1-13 Hamamatsucho	1.1	Shibashimboricho Children's Park	2-12 Shiba	2.8
Shimmei Nursery School, Shimmei Kids-to-Teens Hall, Shimmei Iki-iki Plaza (West side)	1-6 Hamamatsucho	1.1	Shibadaimon 2 chome Children's Park	2-13 Shibadaimon	3.4
Shimmei Nursery School, Shimmei Kids-to-Teens Hall, Shimmei Iki-iki Plaza (East side)		1.0	Hamazaki Park	1-5 Kaigan	2.7
Kira-kira Plaza Shimbashi	6-4 Shimbashi	2.6	Hamamatsucho 4 chome Children's Park	2-13 Hamamatsucho	4.1
			Kanasugibashi Children's Park	1-1 Shiba	2.6
			Senior Citizens' Apartment Complex "Hanamizuki Mita"	1-11 Mita	5.7

Azabu Area			Azabu Area		
NAME	Address	Sea level	NAME	Address	Sea level
Azabu Regional City Office, Azabu Civic Center	5-16 Roppongi	27.0	Azabu Kindergarten	1-5 Azabudai	27.0
Minami-azabu Iki-iki Plaza, Minami-azabu Senior citizens' Home Care Services Center, Azabu Area Senior Citizens Consultation Center	1-5 Minami-azabu	5.8	Nanzan Elementary School	3-8 Moto-azabu	18.0
Alice Iki-iki Plaza	4-6 Minami-azabu	29.1	Nanzan Kindergarten	3-8 Moto-azabu	19.4
Azabu Iki-iki Plaza	3-9 Moto-azabu	12.3	Roppongi Junior High School (Main gate)	6-8 Roppongi	16.7
Iikura Iki-iki Plaza	2-16 Higashi-azabu	6.1	Roppongi Junior High School (Back gate)		20.6
Iikura Nursery School, Iikura Pupils' Club	1-21 Higashi-azabu	5.1	Koryo Junior High School (Main gate)	4-14	28.1
Minami-azabu Nursery School	4-2 Minami-azabu	10.1	Koryo Junior High School (Back gate)	Nishi-azabu	29.1
Nishi-azabu Iki-iki Plaza	2-13 Nishi-azabu	17.0	Hommura Elementary School	3-9 Minami-azabu	24.0
Azabu Nursery School	5-6 Roppongi	26.5	Hommura Kindergarten	3-9 Minami-azabu	23.8
Higashi-azabu Nursery Room (Wall near the gate)	2-1 Higashi-azabu	11.7	Kogai Elementary School (Shed for cleaning tools)	3-11 Nishi-azabu	17.3
Higashi-azabu Nursery Room (Pillar on site)	Higashi-azabu	15.7	Kogai Elementary School (West gate)		17.3
Azabu Sports Field	5-6 Minami-azabu	30.2	Higashimachi Elementary School (Main gate)	1-8 Minami-azabu	5.2
Azabu Elementary School	1-5 Azabudai	27.9	Higashimachi Elementary School (Back gate)		5.1

Akasaka Area			Akasaka Area		
NAME	Address	Sea level	NAME	Address	Sea level
Nursing Home "Sun-Sun Akasaka", Senior Citizens' Home Care Services Center "Sun-Sun Akasaka", Akasaka Kids-to-Teens Hall, Hikawa Budojo Martial Arts Hall	6-6 Akasaka	21.6	Aoyama Elementary School (Main gate)	2-21 Minami-aoyama	32.8
City Heights Hitotsugi	5-2 Akasaka	16.0	Aoyama Elementary School (West gate)		33.1
Akasaka Nursery School	5-5 Akasaka	28.3	Seinan Elementary School (North gate)	4-21 Minami-aoyama	32.5
Akasaka Iki-iki Plaza	6-4 Akasaka	9.4	Seinan Elementary School (East gate)		32.3
Akasaka Regional City Office, Akasaka Civic Center, Health Improvement Center, City Heights Akasaka (Front entrance)	4-18 Akasaka	28.0	Aoyama Lifelong Learning Hall, Seinan Kindergarten	4-18 Minami-aoyama	32.3
Akasaka Regional City Office, Akasaka Civic Center, Health Improvement Center, City Heights Akasaka (Back gate)		29.0	Aoyama Children's Hall	3-3 Kita-aoyama	34.5
Aoyama Junior High School (Main gate)	1-1 Kita-aoyama	34.1	Aoyama Nursery School	3-4 Kita-aoyama	35.2
Aoyama Junior High School (The west side exit for emergencies)		34.3	Civic Funeral Hall "Yasuragi Kaikan"	2-34 Minami-aoyama	23.6
Minami-aoyama Senior Citizens' Home Care Services Center, Akasaka Area Senior Citizens Consultation Center	1-6 Kita-aoyama	34.2	Nakanochi Kindergarten	9-3 Akasaka	15.4
Minami-aoyama Nursery School	1-3 Minami-aoyama	30.3	Akasaka Junior High School (West gate)*		22.2
Aoyama Iki-iki Plaza	2-16 Minami-aoyama	32.0	Akasaka Junior High School (Main gate)*		27.8
Seinan Iki-iki Plaza	4-10 Minami-aoyama	32.4	Akasaka Elementary School (Main gate)	8-13 Akasaka	13.8
			Akasaka Elementary School (South gate)		15.5

Takanawa Area			Takanawa Area		
NAME	Address	Sea level	NAME	Address	Sea level
Takanawa Regional City Office, Takanawa Library, Takanawa Civic Center, City Heights Takanawa (The fifth floor entrance)	1-16 Takanawa	26.9	Mita Elementary School (South gate)	4-11 Mita	26.1
Takanawa Regional City Office, Takanawa Library, Takanawa Civic Center, City Heights Takanawa (The first floor entrance)		10.7	Mita Elementary School (North gate)		18.7
Toyouka Children's Hall, Toyouka Iki-iki Plaza	5-7 Mita	6.6	Takanawadai Elementary School (East gate)	2-8 Takanawa	24.4
Shirokanedai Children's Hall, Shirokanedai Iki-iki Plaza	4-8 Shirokanedai	30.0	Takanawadai Elementary School (Main gate)		25.6
Takanawa kids-to-teens Hall, Takanawa Library Annex	1-4 Takanawa	26.9	Shirokane Elementary School (Main gate)	1-4 Shirokanedai	20.8
Takanawa Nursery School, Takanawa Children's Hall, Takanawa Iki-iki Plaza	3-18 Takanawa	8.6	Shirokane Elementary School (Back gate)		17.8
Shirokane Nursery School, Minato Childcare Support Shirokane, Shirokane Iki-iki Plaza	3-10 Shirokane	8.9	Mita Junior High School (front of outdoor basketball court)	4-13 Mita	21.7
Nursing Home "Shirokane-no-Mori", Senior Citizens' Home Care Services Center "Shirokane-no-Mori", Takanawa Area Senior Citizens Consultation Center	5-20 Shirokanedai	27.2	Mita Junior High School (North gate)		13.5
Community Life Support Center "Ai-heart Minato"		10.4	Takamatsu Junior High School (Main gate)	1-16 Takanawa	24.4
Isaragozaka Nursery School	4-19 Mita	16.1	Takamatsu Junior High School (North gate)		10.7
Katsurazaka Nursery Room	3-19 Takanawa	7.4	Senior Citizens' Apartment Complex "Pia Shirokane"	1-28 Shirokane	8.0
Takanawa Kindergarten	2-12 Takanawa	25.0	Senior Citizens' Apartment Complex "Flore Shirokane"	3-10 Shirokane	7.6
Shirokanedai Kindergarten	3-7 Shirokanedai	28.7	Senior Citizens' Apartment Complex "Hanamizuki Shirokane"	3-3 Shirokane	7.5
Sanko Kindergarten	3-13 Shirokane	10.0	City Heights Katsurazaka	2-13 Takanawa	3.9
			City Heights Shirokane	3-7 Shirokane	8.8
			City Heights Kurumacho	2-20 Takanawa	3.7

Shibaura-konan Area			Shibaura-konan Area		
NAME	Address	Sea level	NAME	Address	Sea level
Shinham Park	1-1 Shibaura	2.5	Nursing Home Konan-no-Sato Senior Citizens' Home Care Services Center, Konan-no-Sato Care House, Konan-no-Sato Shibaura-Konan Area Senior Citizens Consultation Center	3-3 Konan	3.5
Minato Park Shibaura (East side)		3.0	Takahama Nursery School, Konan Kids-to-Teens Hall	4-3 Konan	3.5
Minato Park Shibaura (South side)		2.9	Konan Junior High School	4-3 Konan	3.2
Minato Park Shibaura (Southwest side)		2.8	Konan 4 chome Nursery Room	4-2 Konan	3.8
Minato Park Shibaura (West-southwest side)	1-16 Shibaura	2.4	Konan Nursery School	4-2 Konan	3.2
Minato Park Shibaura (West side)		2.4	Konan Iki-iki Plaza	4-2 Konan	3.2
Minato Park Shibaura (North side)		2.6	Konan-waraku Park	4-2 Konan	3.7
Minato Park Shibaura (Northeast side)		2.9	Konan Elementary School (East)		3.7
Funajibashi Children's Park	2-11 Shibaura	2.8	Konan Elementary School (South)	4-3 Konan	4.0
Shibaura Park	3-1 Shibaura	2.3	Konan-Ryokusui Park	4-7 Konan	3.7
Tamachi Nursery Room	3-4 Shibaura	5.0	Konan-Hoshi-no Park	1-9 Konan	2.7
City Heights Shibaura	3-5 Shibaura	2.4	Higashi-Yatsuyama Park	2-8 Konan	2.7
Shibaura-konan Civic Center	4-13 Shibaura	3.5	Odaiba Gakuen Koyu Elementary and Junior High School, Nijnoshiji Kindergarten	1-1 Daiba	5.7
Futo Park, Futo Children's Baseball Field	3-14 Kaigan	2.4	Odaiba-Rainbow Park	1-3 Daiba	5.5
Shibaura Island Children's Garden, Shibaura Island Children and Senior Citizens Plaza	4-20 Shibaura	4.3	Daiba Senior Citizens' Home Care Services Center	1-5 Daiba	5.6
Shibaura Elementary School, Shibaura Kindergarten (East)	4-8 Shibaura	3.0	Shibaura-konan Regional City Office Daiba Annex, Daiba Civic Center, Daiba Nursery School, Daiba Children's Hall		5.9
Shibaura Elementary School, Shibaura Kindergarten (South)	Shibaura	3.0			
Minato Recycling and Waste Management Office	3-9 Konan	3.4			
City Heights Konan, Konan Library	3-3 Konan	3.6			

*This data is as of November 2019. For the latest information, please contact the Disaster Prevention Section, Minato City.