Ishinomaki Tsunami Hazard Map – Southern part of Oshika district–

- The hazard map shows the areas that are estimated to be inundated and the reference water level that would be reached if a maximum possible tsunami were to occur under adverse conditions, as announced by Miyagi Prefecture in 2022.
- The maximum possible tsunami was estimated from tsunamis that have occurred in the past and those anticipated to occur in the future, based on scientific findings, but there is a possibility that a tsunami greater than this could occur, and that the tsunami could arrive sooner than estimated.
- Depending on the characteristics of the topography and the ground motions due to the earthquake, there is a possibility that inundation could occur outside the areas indicated, and that the reference water levels could be higher than indicated. Regardless of the indicated inundation areas and the reference water levels, if you feel long duration or large shaking immediately take refuge in high ground.
- Updated as of 2019. Since analysis of tsunami inundation hazardous areas, topographic data that reflected completed facilities and planned restoration/reconstruction work are of past, it may differ from present topography.

* **Residents in low-lying area along the coast of the peninsula will be ordered to evacuate when a tsunami alarm is issued, and should promptly evacuate to higher ground, etc.**

N

Ohara Elementary School
Ohara Branch Office
Kyubunhama Hall
Kobuchi Hall
Kugunari Hall
Niyama Community Center
Ayukawa Elementary School
Ishinomaki Fire Department East Branch Office
Oshika Branch Office
Ishinomaki Municipal Oshika Hospital
Oshika Police Station
Oshika General Branch Office
Oshika Seiyukan
Oshika Junior High School
Ayukawa Hall (Kyuoshika Health Center)
Former Tashiro Island Nature Education Center Site
Ishinomaki City Tashiro Clinic
Manga Lodge
Aji Hall
Ajishima Island Development Center
Futawatashi Community Development Hall

Oharahama	
Start time of Tsunami Effect	7min
1st Wave ETA	36min
Max Wave ETA	164min
Max Tsunami Water level	T.P.+9.0m

Omotehama	
Start time of Tsunami Effect	9min
1st Wave ETA	36min
Max Wave ETA	162min
Max Tsunami Water level	T.P.+7.9m

Kobuchihama(2)	
Start time of Tsunami Effect	19min
1st Wave ETA	29min
Max Wave ETA	64min
Max Tsunami Water level	T.P.+8.8m

Kobuchihama(1)	
Start time of Tsunami Effect	18min
1st Wave ETA	28min
Max Wave ETA	62min
Max Tsunami Water level	T.P.+7.7m

Kugunarihama	
Start time of Tsunami Effect	18min
1st Wave ETA	27min
Max Wave ETA	60min
Max Tsunami Water level	T.P.+8.6m

Niyamahama	
Start time of Tsunami Effect	5min
1st Wave ETA	21min
Max Wave ETA	35min
Max Tsunami Water level	T.P.+11.4m

Ayukawahama	
Start time of Tsunami Effect	13min
1st Wave ETA	25min
Max Wave ETA	41min
Max Tsunami Water level	T.P.+8.2m

Kinkasan Port	
Start time of Tsunami Effect	9min
1st Wave ETA	21min
Max Wave ETA	54min
Max Tsunami Water level	T.P.+12.1m

Nitoda Fishing Port	
Start time of Tsunami Effect	20min
1st Wave ETA	31min
Max Wave ETA	45min
Max Tsunami Water level	T.P.+5.9m

Nitoda	
Start time of Tsunami Effect	17min
1st Wave ETA	30min
Max Wave ETA	44min
Max Tsunami Water level	T.P.+6.5m

Ajihama	
Start time of Tsunami Effect	19min
1st Wave ETA	29min
Max Wave ETA	43min
Max Tsunami Water level	T.P.+7.2m

Nagawatahama	
Start time of Tsunami Effect	9min
1st Wave ETA	23min
Max Wave ETA	39min
Max Tsunami Water level	T.P.+7.7m

List of evacuation target points

Number	Name
1	To Former Ohara Junior High School
2	To Daieiji Temple
3	To Kyubunhama Reconstruction Estate
4	To Former Sugiyama Shoten
5	To Statue of eleven-faced Kannon
6	To Yakushido
7	To high ground
8	Towards the cemetery
9	To Kobuchi Community Center
10	To high ground
11	To Terayama
12	To Kugunari Community Meeting Hall
13	To Ayukawa via Prefectural Road Ishinomaki Ayukawa Route
14	To Ayukawa
15	To Ayukawa Purification Center
16	To Ayukawa Elementary School
17	To Niiyama
18	To Ayukawa Public Cemetery
19	To Ayukawa Public Cemetery
20	To Ayukawa Public Cemetery
21	To Kurosaki Reconstruction Estate
22	To Oshika Gobansho Park
23	To Futawatashi via Prefectural Road Aji Island Route
24	In front of Manpukuji Temple

Name of a representative location	
Start time of Tsunami Effect	This is the time from occurrence of an earthquake until a change of water level (±20 cm) occurs that could affect the lives of the people living near the sea at each representative location
Time for first wave (+1 m) to arrive	This is the time from occurrence of an earthquake until the change in water level due to first wave (+1m) at each representative location
Arrival time of the maximum wave	Time from occurrence of an earthquake until reaching the maximum tsunami water level at each representative location
Maximum tsunami water level	Maximum tsunami water level at each representative location in height (T.P. m) relative to mean sea level in Tokyo Bay

Oshika

Type	Number of stories	Evacuation facility	Address
	—	Ohara Elementary School	1 Daikouji, Oharahama
	—	Niyama Community Center	15 dai, NiyamaHama
	—	Kyubunhama Hall	2-19 Ofusa, Kyubunhama
	—	Kobuchi Hall	1-34 Minami, Kobuchihama
	—	Kugunari Hall	5-15 Kongouda, Kugunarihama
	—	Ayukawa Elementary School	1-1 Ayukawahama-Kiyosakiyama
	—	Oshika Seiyukan	7 Kiyosakiyama, Ayukawahama
	—	Oshika Junior High School	1-24 Ayukawahama-Onigatayama
	—	Ayukawa Hall (Kyuoshika Health Center)	18-2 Teramae, Ayukawahama
	—	Aji Hall	107-3 Kamisorisaka, Ajihama
	—	Ajishima Island Development Center	13-82 Sugi, Futawatashihama
	—	Futawatashi Community Development Hall	35-1 Ogane, Futawatashihama

Tashirojima

Type	Number of stories	Evacuation facility	Address
	—	Former Tashiro Island Nature Education Center Site	88-3 Uchiyama, Tashirohama
	—	Manga Lodge	24 Shikishima, Tashirohama

Legend

Evacuation center, etc.
- Tsunami evacuation center and designated evacuation center
- Tsunami evacuation building and designated evacuation center
- Tsunami evacuation center
- Tsunami evacuation building and tower
- Evacuation target point
- Actual area inundated in the Great East Japan earthquake

Organizations involved in disaster management
- City office and branches
- Fire Department
- Police
- Medical institutions

Tsunami inundation hazardous areas (reference water level)
- 20.0m ～
- 10.0m ～ 20.0m
- 5.0m ～ 10.0m
- 3.0m ～ 5.0m
- 1.0m ～ 3.0m
- 0.5m ～ 1.0m
- 0.3m ～ 0.5m
- ～ 0.3m

0 250 500 1,000 m

Approval (for use) by the Director-General of the Geospatial Information Authority of Japan based on the Survey Act R5JH s 117