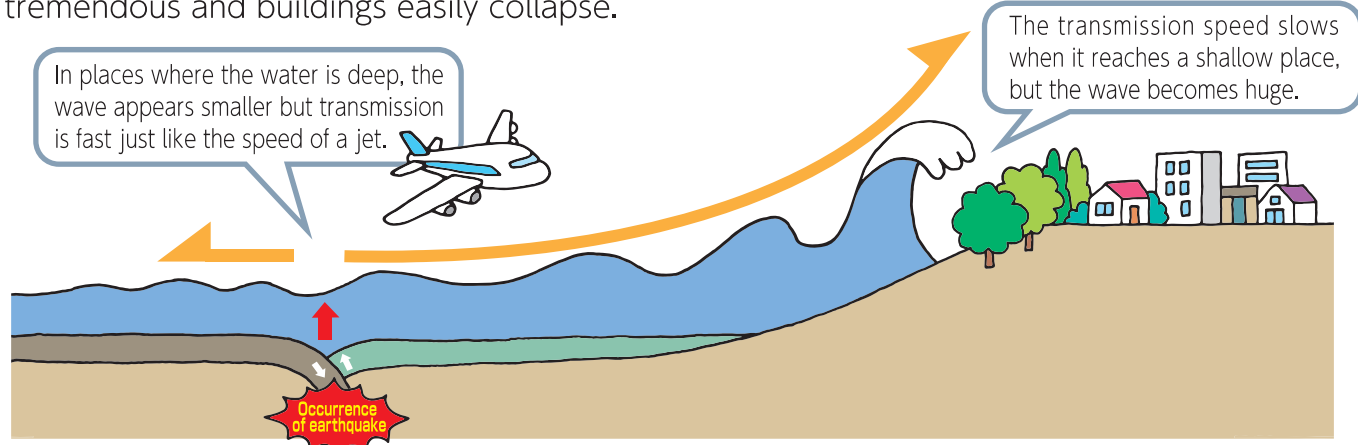


Tsunami disaster

Mechanism of occurrence of tsunami

When an earthquake occurs at the bottom of the ocean, it causes ridge and sedimentation of the seabed ground as well as landslide of the seabed ground. It causes the seawater in the surroundings to move upward and downward, and thus big waves occur repeatedly. When tsunami occurs, it comes beyond sea walls, etc. and flooding occurs, causing destruction or outflow of houses, damage or collision of boats, etc. Its destruction power is tremendous and buildings easily collapse.



Characteristics of tsunami

You do not have time to think when you are escaping from tsunami. Evacuate to a higher place nearby promptly. Tsunami does not end with the first wave, but the waves come repeatedly over a long period of time.

If tsunami advisory or alert is announced

Start evacuating from the probable tsunami flood zone.

Even if it is a mild earthquake, let's start to evacuate in preparation for the tsunami damage if you feel tremors for long time.

Knowledge about tsunami evacuation in Kan-onji City

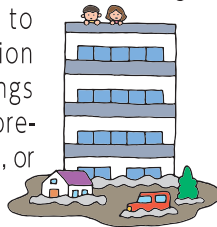
1 Move as far as possible from the sea

First, move away from the probable tsunami flood zone and to areas at the highest altitude possible (Mt. Kotohiki or east side).



2 Evacuate to a high place

If you fail to escape from the probable tsunami flood zone or if flooding starts, evacuate to tsunami evacuation buildings, buildings higher than the forecast flooding depth, or upland.



3 Don't use a car.

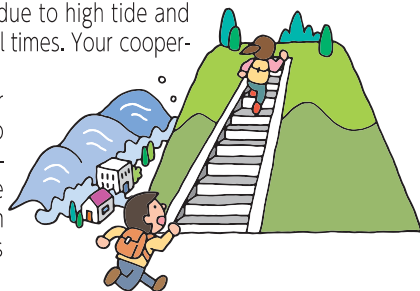
Evacuation by car may lead to a traffic jam. It is also likely to cause a traffic accident because traffic lights stop due to power failure or you are in panic. Therefore, you are likely to be unable to escape.



It may become impossible to evacuate due to flooding before tsunami reaches.

Flooding is also likely to occur at a floodwall gate due to high tide and tsunami. Please keep the floodwall gates closed at all times. Your cooperation would be appreciated.

You also need to understand that flooding may occur in Kan-onji City before tsunami reaches, according to the lessons learned from the Great East Japan Earthquake. In fact, flooding may not occur. However, the residents in these areas need to always pay attention to the damage to shore and bank. When tremors stop, immediately start evacuation.



Consider not only horizontal evacuation but also vertical evacuation.

If you are in areas where flooding may begin in a short time (see Page 22), check your nearby emergency evacuation sites (such as a tsunami evacuation building, see Page 6). If you fail to evacuate early, evacuation (vertical evacuation) to the second floor or higher floors in buildings near the evacuation route is effective.

Forecast map of time to reach the 30 cm depth of flooding (assuming maximum class tsunami)

In order to evacuate safely from tsunami, it is important to move to a safer place earlier than the time when the depth of flooding reaches 30 cm. Do an evacuation drill in the community on a regular basis to evacuate quickly.



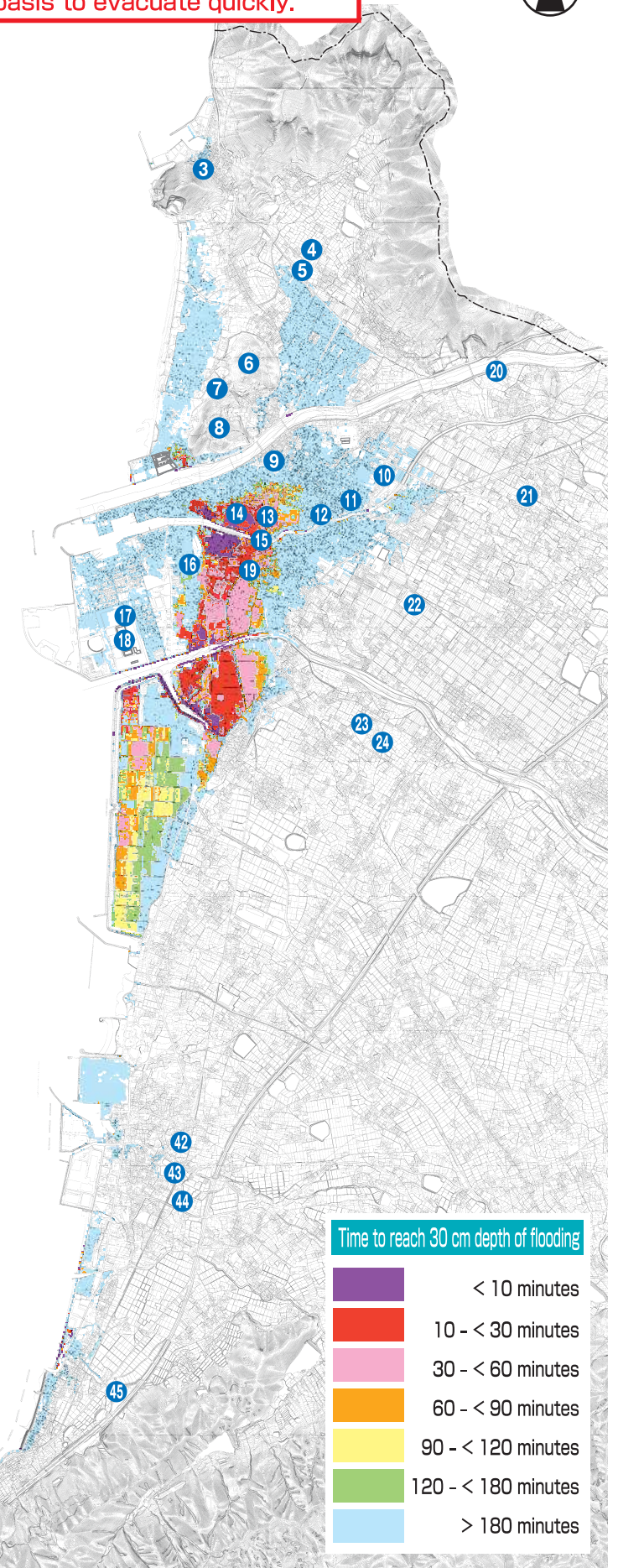
0 500 1000

Designated emergency evacuation site

Number	Name (designation of site)	Tsunami	Earthquake
1	伊吹支所	○	○
2	伊吹中学校・小学校(体育館、運動場)	○	○
3	蓮光院	○	×
4	高室小学校(体育館、運動場)	○	○
5	高室公民館	○	○
6	興昌寺山	○	×
7	観音寺中学校(体育館、運動場、武道場)	○	○
8	琴弾山(十王堂前、参道階段、本殿前、山頂展望台)	○	○
9	観音寺信用金庫本店(6階大会議室、各階ホール)	○	×
10	観音寺商工会議所(3階ホール及び大ホール)	○	○
11	香川県三豊合同庁舎(3階会議室、2階以上西側外階段)	○	×
12	市営明星団地ほか(階段、踊り場)	○	×
13	鶴亀ハウス(階段、踊り場)	○	×
14	観音寺小学校(校舎2階以上)	○	○
15	主要地方道観音寺佐野線 昭和橋歩道	○	×
16	田代マンション(廊下、階段、踊り場)	○	×
17	(株)総合開発リネンサプライ事業部(事務所2階会議室、産業リネン工場部分2階)	○	○
18	(一財)阪大微生物病研究会瀬戸センター(管理棟3階研修ホール、9階講堂ホール)	○	×
19	市営下津団地(階段、踊り場)	○	×
20	コミュニティ防災センター	○	○
21	常盤小学校(体育館、運動場)	○	○
22	中部中学校(体育館、運動場、武道場)	○	○
23	柞田小学校(体育館、運動場)	○	○
24	観音寺中央幼稚園(駐車場)	○	○
24	豊浜中学校(体育館、運動場、武道場)	○	○
43	豊浜総合体育館(すぽっしゅ TOYOHAMA)	○	○
44	豊浜小学校(体育館、運動場)	○	○
45	西日本高速道路豊浜 SA(上り線職員用駐車場)	○	×

- This forecast map is based on the assumption that the seismic motion destroys all banks and seawalls.
- In fact, flooding does not always occur according to this time.
- Due to the effects of land subsidence or liquefaction associated with an earthquake, the height of the ground decreases, and flooding occurs before tsunami reaches in some areas.
- Start evacuation as soon as the tremor subsides.

0 500 1,000 2,000m



Time to reach 30 cm depth of flooding

- < 10 minutes
- 10 - < 30 minutes
- 30 - < 60 minutes
- 60 - < 90 minutes
- 90 - < 120 minutes
- 120 - < 180 minutes
- > 180 minutes