

About the Hazard Map Legends

What is a flood inundation area?

In order to ensure smooth and rapid evacuation in the event of a flood, areas that are expected to be inundated by flooding are designated as "water level warning rivers." In these areas, there is a risk of considerable damage from flooding and the water depth is also made public.

These areas were established based on Article 14 of the Flood Control Act.

※Rainfall conditions are based on the results of assuming the maximum amount of rainfall that is the premise for each river basin. These conditions do not consider flooding due to rainfall that exceeds the expected amount, flooding due to inland waters, etc.

Flood Hazard Map Legend

Expected water depth of inundation due to flooding	Zones expected to experience flooding and collapse of structures
<ul style="list-style-type: none"> Less than 20.0 meters Less than 10.0 meters Less than 5.0 meters 	<ul style="list-style-type: none"> Less than 3.0 meters Less than 0.5 meters Record of past flooding Riverbank erosion Flood flow

Contents of the flood inundation zone map

Flood inundation zone map (expected maximum rainfall)

This map shows the areas expected to be flooded due to the expected maximum rainfall as stipulated by the Flood Control Act, and the expected water depth in case of inundation.

Flood inundation zone map (duration of inundation)

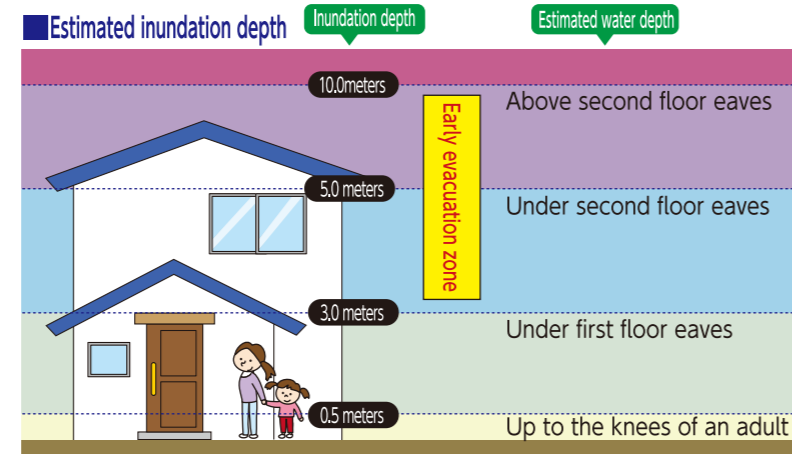
This map shows the expected duration of inundation due to the expected maximum rainfall as stipulated by the Flood Control Act.

Flood inundation zone map (Zones expected to experience flooding and collapse of structures (riverbank erosion))

This map shows the predicted riverbank erosion width in zones expected to experience flooding and collapse of structures.

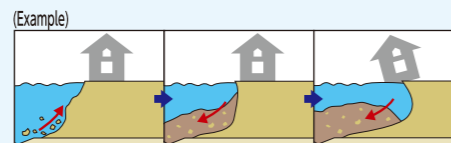
Flood inundation zone map (Zones expected to experience flooding and collapse of structures (flood flow))

This map shows the risk of homes collapsing and being washed away due to flood flow in zones expected to experience flooding and collapse of structures.



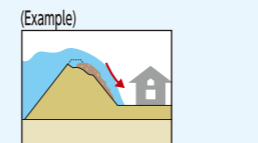
Riverbank erosion

Ground that supports the foundations of the embankments and homes is eroded by the strong flow of the river



Flood flow

Strong flow caused by the collapse of an embankment



About early evacuation zones

Early evacuation zones are zones expected to experience flooding and collapse of structures and zones where houses are at risk of being submerged (flood depth of 3 meters or more), thereby requiring early evacuation. **If you live in these zones, remaining indoors poses an immediate risk to your life. In the event of a disaster, please consider taking the initiative to evacuate on your own without waiting for evacuation orders.**

Legends of the sediment disasters hazard map

Sediment disasters	Sediment disaster special warning zone	Sediment disaster warning zone

What is a Sediment disaster (special) warning zone?

This is a zone designated under the Act on Sediment Disaster Countermeasures for Sediment Disaster Prone Areas as being at risk of sediment disasters such as landslides. Within this zone, it is required to publicize the danger, establish a warning and evacuation system, restrict the construction of new homes, and promote the relocation of existing homes. **In principle, the sediment disaster (special) warning zone must be evacuated if the warning information is announced.**

Sediment disaster special warning zone (commonly known as "red zone")

This is a zone where it is recognized that if a steep slope collapses, buildings will be damaged and residents will suffer serious harm such as injury or death.

Sediment disaster warning zone (commonly known as "yellow zone")

This is a zone where it is recognized that if a steep slope collapses, there is the risk that residents will suffer serious harm such as injury or death.

Even in areas not designated as one of the above zones, damage from floods, inland water, and sediment disasters may occur, and the predicted extent of damage may differ from the actual extent of damage.

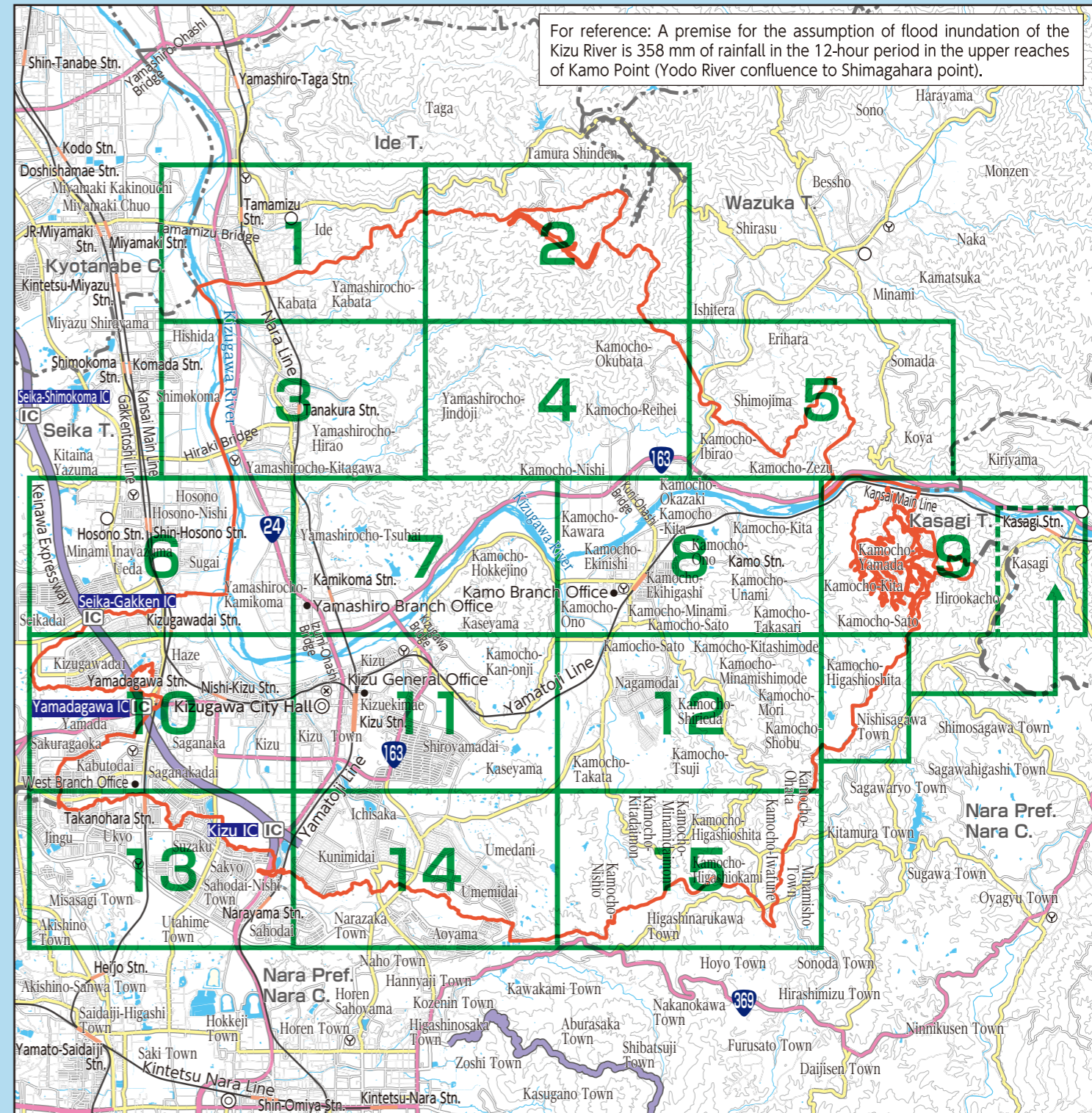
Kizugawa City Hazard Map

Overall Map Divided by Region



How to read the Kizugawa City Hazard Map

The contents of the detailed map include expected flood inundation zones, sediment disaster warning zones, sediment disaster special warning zones, and zones to experience flooding and collapse of structures (flood flow/riverbank erosion).



For reference: A premise for the assumption of flood inundation of the Kizu River is 358 mm of rainfall in the 12-hour period in the upper reaches of Kamo Point (Yodo River confluence to Shimagahara point).