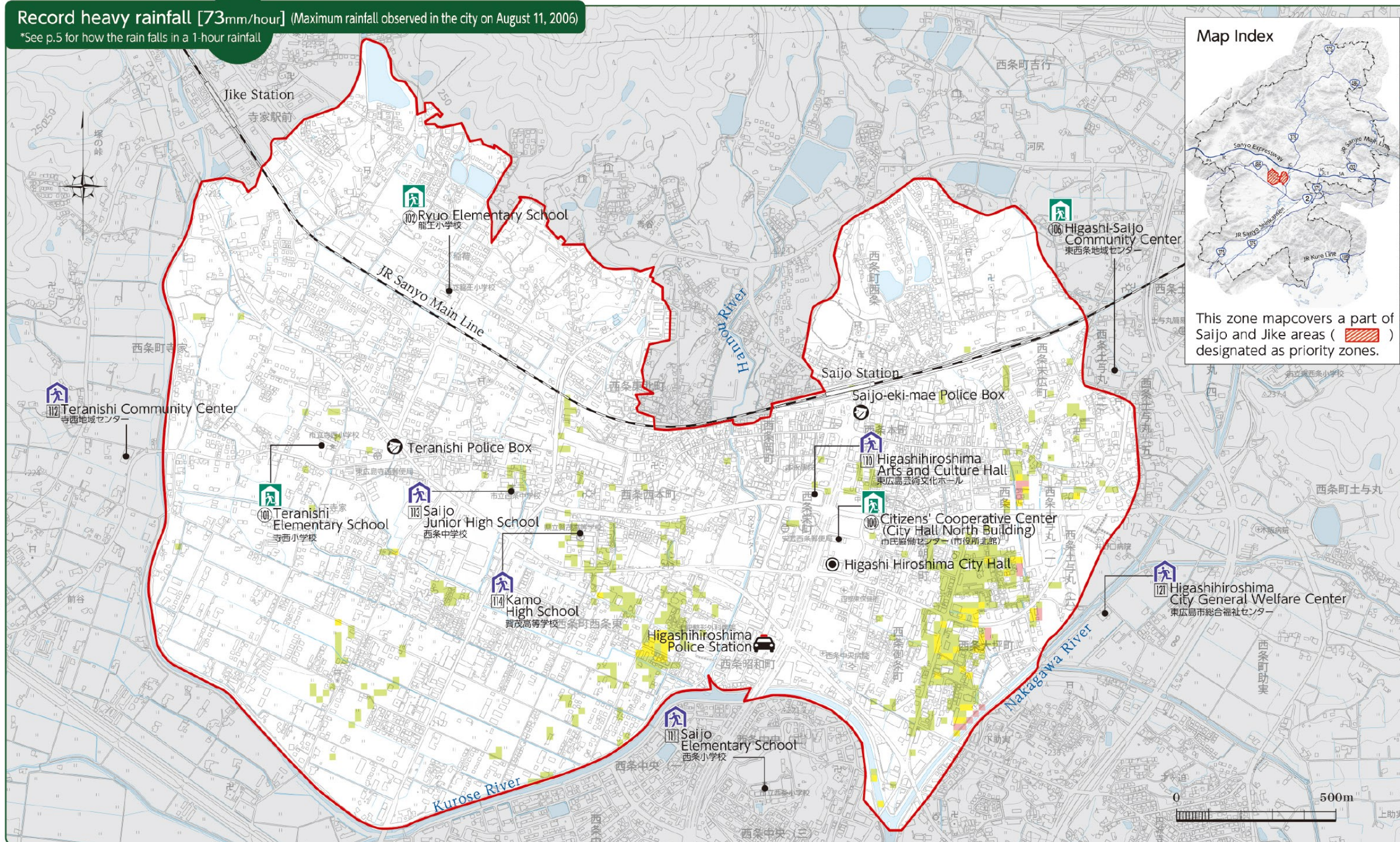


# Inland Flood Hazard Map (Inland flood/inundation-assumed zone map)

- This zone map simulates the inundation due to inland flood.
- This zone map simulates the inundation height in case a rainfall similar to the city's record-heavy rainfall takes place uniformly over this area.
- Depending on the occurrence of localized torrential rains or changes in land use conditions, flood damages may occur even in areas that are not flooded on this map.

**Record heavy rainfall [73mm/hour]** (Maximum rainfall observed in the city on August 11, 2006)

\*See p.5 for how the rain falls in a 1-hour rainfall



**Map Index**

This zone map covers a part of Saijo and Jike areas (red shaded area) designated as priority zones.

## Zone map colors

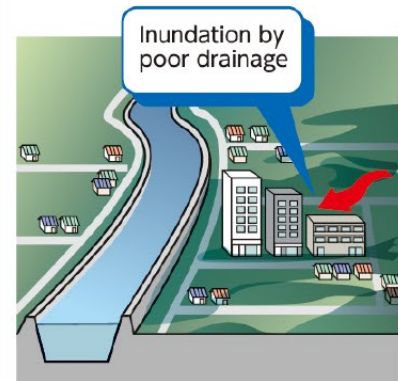
- under 1.0m zone (Inundation above floor level)
- under 0.5m zone (Inundation under the floorboards)
- under 0.3m zone (Road submerging)
- No inundation simulated



## Legend

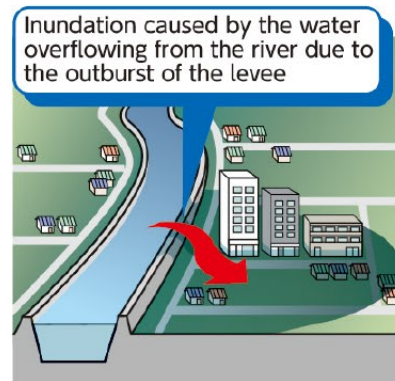
	First-opened designated evacuation centers (description on p.61-62)
	Other designated evacuation centers (description on p.61-62)
	City office
	Police station

## Inundation by "inland flood"



The rain is discharged to the river after going through conduits, etc. However, in recent years, rainfalls are becoming tremendous and isolated, exceeding the capacity of drainage facilities such as conduits and cause drainage failure. Such situations, where rain overflows in the area and causes inundation before reaching the river, is called "inland flood".

## Inundation by "river water"



Heavy rain may elevate the river water level higher than the level and causes overflow (overflow stream) or break the levee (outburst/dyke break). Such situations, where the river causes inundation in the area, is called "inundation by river water".

\*See p.32-34 for the river water inundation-assumed zone map within the red frame above

## Facilitation policy to reduce inland flood inundation

The areas are ranked by taking into consideration the past inundation damage outbreaks, population, cumulation of facilities, etc. Higher-ranked areas (priority zones) will be prioritized to enhance hardware measures by the construction of inundation countermeasure facilities as well as software measures such as the creation of inland flood hazard maps.

### Generic zones

- Few inundation damages
- Sporadic population



### Priority zones (prioritization of facilitation)

- More inundation damages
- Overcrowded population
- Concentrated important facilities
- Hub for transportation

As of now, Higashihiroshima City designates a part of Saijo and Jike areas as priority zones and is constructing flood prevention facilities. However, even after the facilities are completed, inundation may still occur if an unexpected rainfall occurs and rain water cannot be drained due to insufficient capacity or the rise of river water level. In such cases, in order to minimize the damages, it is important that the residents help themselves and one another. So that you can do so, please make use of this inland flood hazard map and check on a daily basis the evacuation routes and the location of the evacuation centers in case of emergency.