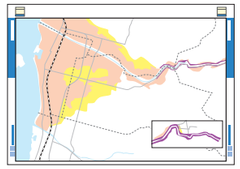
# How to Read the Hazard Map

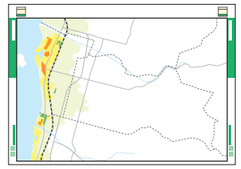
## Color Coding by Category

Three types of hazard maps are included: RED for Sediment Disasters & Reservoir Flooding, BLUE for River Flooding & Stormwater Flooding, and GREEN for Tsunamis & Storm Surges. BLUE/GREEN maps are not included for zones where river/stormwater flood damage is not expected, or there is no tsunami/storm surge danger.

LANDSLIDE,etc. / RESERVOIR
(Sediment Disasters & Reservoir Flooding)



FLOOD / STORMWATER
(River Flooding & Stormwater Flooding)



TSUNAMI / STORM SURGE
(Tsunamis & Storm Surges)

## Projected Scenarios for Each Category

### SEDIMENT DISASTER (Landslide, etc.)
**(Sediment Disaster Hazard Zones / Sediment Disaster Special Hazard Zones)**

Boundaries of hazard zones designated by Ehime Prefecture in accordance with the Sediment Disaster Prevention Act are indicated for each category of sediment disaster. Sediment Disaster Hazard Zones (Yellow Zones) indicate areas where the lives and wellbeing of residents, etc. may be at risk in the event of a disaster such as the collapse of steeply sloped ground. Sediment Disaster Special Hazard Zones (Red Zones) indicate considerable risk to the lives and wellbeing of residents, etc. with buildings facing risks of damage or destruction.

### RESERVOIR FLOODING
**(Key Reservoirs for Disaster Management / Expected Reservoir Flooding Inundation Zones)**

Expected inundation zones in the event of reservoir collapse during times of flooding are overlaid, indicating zone boundaries and maximum inundation depths for key reservoirs for disaster management in 299 locations.
* To see inundation depths for specific reservoirs, check the Reservoir Hazard Map.

### RIVER FLOOD
**(Expected Flood Inundation Zones / Maximum Inundation Depth)**

Expected flood inundation zones in the event of rainfall at maximum expected levels (once-per-1,000-years levels) as announced by river administrators in accordance with the Flood Control Act are overlaid, indicating zone boundaries and maximum inundation depths.

| River name | Shigenobu-gawa River | Ishite-gawa River | Ono-gawa River | Tateiwa-gawa River |
|---|---|---|---|---|
| River administrator | Japan Govt. | Japan Govt. Ehime Pref. | Ehime Pref. | Ehime Pref. |
| Expected 24-hr rainfall total | 626mm | 705mm | 754mm | 769mm |

(Expl.) **Expected Flood Zone with Destruction of Houses, etc.**
Indicates zones where ordinary buildings are at high risk of being destroyed, swept away, etc. in the event embankments in the vicinity collapse due to an occurrence of the maximum expected level of rainfall. These zones fall into two categories: those due to direct risks of flowing flood waters, and those due to the erosion of riverbanks.
• Expected Flood Zone with Destruction of Houses, etc. (Due to Flood Flow) ··· Zones where wooden houses are at risk of being swept away/destroyed due to flowing flood water
• Expected Flood Zone with Destruction of Houses, etc. (Due to Riverbank Erosion) ··· Zones where houses are at risk of being swept away/destroyed due to flood-induced erosion of riverbanks
* To see detailed inundation depths and durations of inundation for specific rivers, check the Matsuyama Flood Hazard Map.

### STORMWATER FLOODING
**(Expected Stormwater Inundation Zones / Maximum Inundation Depth)**

Expected stormwater inundation zones in the event of an occurrence of heavy rain with total rainfall of 299 mm and maximum hourly rainfall of 83.5 mm are shown, indicating zone boundaries and maximum inundation depths.
* To see detailed inundation depths, check the Matsuyama Stormwater Hazard Map.

### TSUNAMI DAMAGE
**(Tsunami Hazard Zones / Maximum Inundation Depth [Standard Water Level])**

Tsunami hazard zones designated by Ehime Prefecture in accordance with the Act on Regional Development for Tsunami Disaster Prevention are shown, indicating zone boundaries and standard water levels.

### STORM SURGE DAMAGE
**(Expected Storm Surge Inundation Zones)**

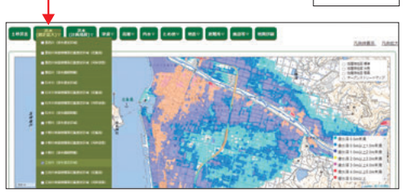
Boundaries of expected inundation zones in the event of storm surges of the largest expected potential level as announced by Ehime Prefecture in accordance with the Flood Control Act are indicated.
* To see detailed inundation depths and durations of inundation, check the Matsuyama Storm Surge Hazard Map.

● **Projections Based on Largest Recorded Typhoons**
- Central pressure 900 hPa(Equiv. to 1934 Muroto Typhoon)
- Radius & velocity Radius of maximum cyclostrophic wind: 75 km*
  (Equiv. to 1959 Isewan Typhoon/Typhoon Vera)
  Velocity: 75 km/h(Equiv. to 1959 Isewan Typhoon/Typhoon Vera)

* Radius of maximum cyclostrophic wind: Distance from the center of a typhoon to the point near the typhoon with the highest wind speed

**Check! View the Hazard Map Online**

A Web edition of the Hazard Map is available on the Matsuyama City Disaster Management Portal. Use if to find more details on disaster risk.
① Access the Matsuyama City Disaster Management Portal
the Matsuyama City Disaster Management Portal Search
② Click on Matsuyama Hazard Map Web Edition
③ Select the type of disaster risk you wish to check



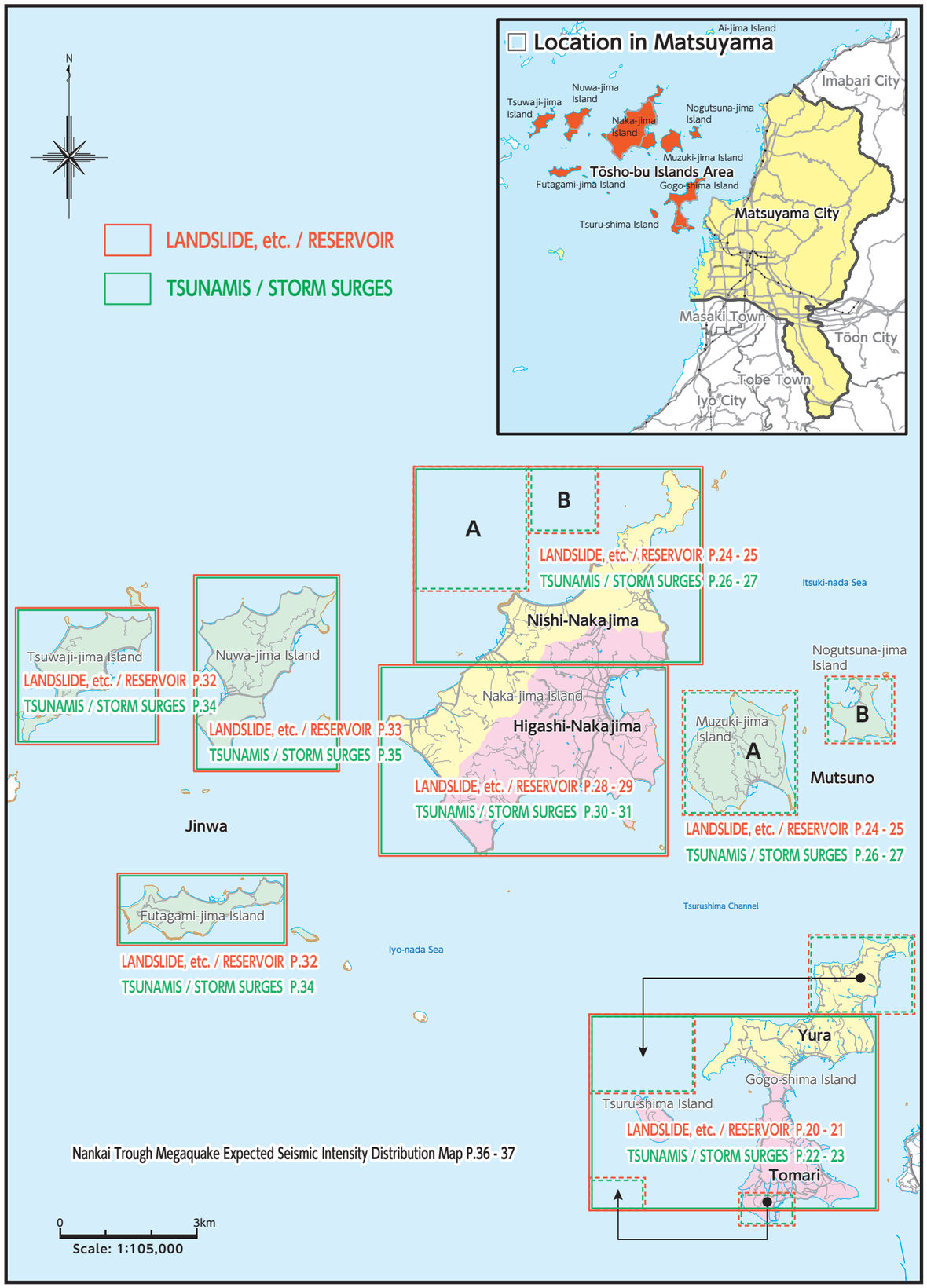
⚠ While all projections are made on the basis of current knowledge, disasters may potentially exceed projected levels.

While this Hazard Map has been created based on the latest digital map data (basic national geospatial data) published by the Geospatial Information Authority of Japan (GSI), please be aware that certain locations may not correspond with actual current conditions due to changes over time. With regard to hazard information for sediment disasters, etc., the map is meant to serve as an approximate general reference only, and is by no means representative of exact or specific limits of the boundary, scope, etc. of hazard zones, etc. Please also note that listed disaster management information, including evacuation shelters, etc. is current as of Jan. 2022, and may be subject to change in the future. Please refrain from reproducing or reprinting this publication's cover, contents, or maps without the consent of Matsuyama City.



## INDEX MAP

〔 Yura / Tomari / Mutsuno / Higashi-Nakajima / Nishi-Nakajima / Shinwa 〕



Designated Emergency Evacuation Site *
Designated Evacuation Shelter *
Welfare Evacuation Shelter
City Hall / Branch Office
Fire Station / Branch
Civilian Firefighters' Pump Storage
Police Station Kôban / Chûzai-sho
Emergency Medical Facility
Emergency Broadcast System (Announcement / Siren)
Emergency Helicopter Landing-pad
Underground Shopping Center / Underpass
Payphone (outdoors)
Emergency Transportation Route
Major Evacuation Route
Fire Station Intersection Name
National Road
JA / Bank
Shrine
Prefectural Road
Post Office
Temple

〈Sediment Disaster Hazard Zones / Sediment Disaster Special Hazard Zones〉
Hazard zone (steep slope)
Hazard zone (debris flow)
Hazard zone (landslide) (Not applicable)
Extreme hazard zone (steep slope)
Extreme hazard zone (debris flow)

〈Caution Required Reservoirs / Expected Reservoir Flooding Inundation Zones〉
Rain Gauge
Caution Required Reservoir
Reservoir that could flood homes, etc. in case of a breach
0.5m and over
Under 0.5m





[Map A]

Yura
Umaiso Fishing Harbour
Umaiso Fishing Harbour
Mt. Inuboe-yama
Kadota-machi

Kitaura Fishing Harbour
Mt. Taino-yama
Oike Pond
Ikeda-ike Pond
Higashitani-ike Pond
Kadota-machi
Yura Park
Yura
Mt. Takado-yama
Yura-machi
Omoto-ike Pond
Kadota Park
Kitasaka-ike Pond
Gogoshima Chûzai-sho
Washigasu Fishing Harbour
Washigasu Park
4 Yura Community Center Kadota Branch
1 Yura Community Center
Gogoshima Branch Office
2 Momonohana Kodomo-en
3 Yura E. S. Site
Kamose-shima Island
Yura Bay
10 Tomari Community Center Funakoshi Branch
Gogoshima J. H. S. 8
6 Gogoshima E. S.
Gogo-shima Island
Tsurushima Fishing Harbour
Tsurushima Fishing Harbour Landing Place
Ko-seto Strait
Gogoshima E. S. Tsurushima Branch 7
Tomari-machi
Tsuru-shima Island
Iyo-nada Sea
Tomari
Tomari-machi
Mt. Kotuji
5 Tomari Community Center
Gogoshima-Tomari Branch Office
Tomari Fishing Harbour
9 Tomari E. S. Site
Kitasaka-ike Pond
Tomari Park
Shijûshima Strait
Mitarai Fishing Harbour
Mitarai Park

* Map continues in Map A on p.20
* Map continues in Map B on p.20

[Map B]

Tomari
Tomari-machi
Mitarai Fishing Harbour
Mitarai Park

* Shelters with these illustrations are not suitable for evacuating from sediment disasters.

N NE E SE S SW W NW

Scale = 1/16,000
0 100 500 meters
* The contour line indicates the elevation by 10 meters

Yura / Tomari

Sediment Disasters / Reservoir Flooding

Designated Emergency Evacuation Site *
Designated Evacuation Shelter *
Welfare Evacuation Shelter
City Hall / Branch Office
Fire Station / Branch
Civilian Firefighters' Pump Storage
Police Station Kōban / Chūzai-sho
Emergency Medical Facility
Emergency Broadcast System (Announcement / Siren)
Emergency Helicopter Landing-pad
Underground Shopping Center / Underpass
Payphone (outdoors)
Emergency Transportation Route
Major Evacuation Route
Fire Station Intersection Name
National Road
JA / Bank
Shrine
Prefectural Road
Post Office
Temple

〈Tsunami Hazard Zones / Maximum Inundation Depth [Standard Water Level]〉
5.0m～ (Not applicable)
4.0～5.0m
3.0～4.0m
2.0～3.0m
1.0～2.0m
0.3～1.0m
0.3m

〈Expected Storm Surge Inundation Zones〉

To see details on expected storm surge inundation zones, etc., check the Matsuyama Storm Surge Hazard Map.





[Map A]

Yura
Mt. Inuboe-yama
Kadota-machi
Umaiso Fishing Harbour
Umaiso Fishing Harbour

* Map continues in Map A on p.22

Kitaura Fishing Harbour
Mt. Taino-yama
Oike Pond
Ikeda-ike Pond
Kadota-machi
Higashitani-ike Pond
Yura Park
Yura
Mt. Takado-yama
Yura-machi
Omoto-ike Pond
Kadota Park
Kitasaka-ike Pond
Gogoshima Chūzai-sho
Washigasu Fishing Harbour
Washigasu Park
4 Yura Community Center Kadota Branch
1 Yura Community Center
Gogoshima Branch Office
2 Momonohana Kodomo-en
3 Yura E. S. Site
Kamose-shima Island
Yura Bay
10 Tomari Community Center Funakoshi Branch
Gogoshima J. H. S. 8
6 Gogoshima E. S.
Tsurushima Fishing Harbour
Tsurushima Fishing Harbour Landing Place
Ko-seto Strait
Gogoshima E. S. Tsurushima Branch 7
Tomari-machi
Tsuru-shima Island
Iyo-nada Sea
Gogo-shima Island
Tomari
Tomari-machi
Mt. Kotori
5 Tomari Community Center
Gogoshima-Tomari Branch Office
Tomari Fishing Harbour
9 Tomari E. S. Site
Midooku-ike Pond
Tomari Park
Shijūshima Strait
Mitarai Fishing Harbour
Mitarai Park

* Map continues in Map B on p.22

Tomari
Tomari-machi
Mitarai Fishing Harbour
Mitarai Park

[Map B]

* Shelters with these illustrations are not suitable for evacuating from tsunamis.

N NW NE W E SW SE S

Scale = 1/16,000
0 100 500m

* The contour line indicates the elevation by 10 meters

Designated Emergency Evacuation Site *
Designated Evacuation Shelter *
Welfare Evacuation Shelter
City Hall / Branch Office
Fire Station / Branch
Civilian Firefighters' Pump Storage
Police Station Kōban / Chūzai-sho
Emergency Medical Facility
Emergency Broadcast System (Announcement / Siren)
Emergency Helicopter Landing-pad
Underground Shopping Center / Underpass
Payphone (outdoors)
Emergency Transportation Route
Major Evacuation Route
Fire Station Intersection Name
National Road
JA / Bank
Shrine
Prefectural Road
Post Office
Temple

〈Sediment Disaster Hazard Zones / Sediment Disaster Special Hazard Zones〉

Hazard zone (steep slope)
Hazard zone (debris flow)
Hazard zone (landslide)
Extreme hazard zone (steep slope)
Extreme hazard zone (debris flow)

〈Caution Required Reservoirs / Expected Reservoir Flooding Inundation Zones〉

Rain Gauge
Caution Required Reservoir
Reservoir that could flood homes, etc. in case of a breach
0.5m and over
Under 0.5m









Sediment Disasters / Reservoir Flooding

Itsuki-nada Sea
Muzuki (Umenoko) Fishing Harbour
Mutsuno
Muzuki
Muzuki-jima Island
Bōme-ike Pond
Muzuki District Multipurpose Ground
Muzuki E. S. 11
Muzuki Fishing Harbour
Muzuki Landfill
13 Nakajima Community Center Muzuki Branch

Ehime Fishermen's Federation tank facility parking lot
12 Nogutsuna E. S.
Nogutsuna Fishing Harbour
Itsuki-nada Sea
14 Nakajima Community Center Nogutsuna Branch
Nogutsuna
Nogutusna-jima Island
Mutsuno

* Shelters with these illustrations are not suitable for evacuating from sediment disasters.

Nyō (Ōtomari ) Fishing Harbour
Hatari
Nakajima-awai
Nishi-nakajima
Shiroyama E. S. Site 33
32 Nakajima Community Center Awai Branch
Nyō (Awai) Fishing Harbour
Nyō (Hatari) Fishing Harbour
31 Hatari Health Promotion Training Center for the Elderly
Nyō
Mt. Tanoyama
Nyō Fishing Harbour
Nakajima Community Center Nyō Branch 30
Nishinaka Port
Nishinaka Port Multipurpose Ground
Higashi-nakajima
Nakajima Community Center Yoshiki Branch 29
Kojima-Island
28 Nyō (Yoshiki) Fishing Harbour
Nakajima-oura
29

Scale = 1/16,000
0 100 500m
* The contour line indicates the elevation by 10 meters

Designated Emergency Evacuation Site •
Designated Evacuation Shelter •
Welfare Evacuation Shelter
City Hall / Branch Office
Fire Station / Branch
Civilian Firefighters' Pump Storage
Police Station Kōban / Chūzai-sho
Emergency Medical Facility
Emergency Broadcast System (Announcement / Siren)
Emergency Helicopter Landing-pad
Underground Shopping Center / Underpass
Payphone (outdoors)
Emergency Transportation Route
Major Evacuation Route
Fire Station Intersection Name
National Road
JA / Bank
Shrine
Prefectural Road
Post Office
Temple

〈Tsunami Hazard Zones / Maximum Inundation Depth [Standard Water Level]〉

5.0m~ (Not applicable)
4.0~5.0m (Not applicable)
3.0~4.0m (Not applicable)
2.0~3.0m
1.0~2.0m
0.3~1.0m
0.3m

〈Expected Storm Surge Inundation Zones〉

To see details on expected storm surge inundation zones, etc., check the Matsuyama Storm Surge Hazard Map.







Itsuki-nada Sea
Muzuki (Umenoko) Fishing Harbour
Mutsuno
Muzuki
Muzuki-jima Island
Dome-ike Pond
Muzuki District Multipurpose Ground
Muzuki E. S. 11
Muzuki Fishing Harbour
Muzuki Landfill
13 Nakajima Community Center Muzuki Branch

Ehime Fishermen's Federation tank facility parking lot
12 Nogutsuna E. S.
Itsuki-nada Sea
Nogutsuna Fishing Harbour
14 Nakajima Community Center Nogutsuna Branch
Nogutsuna
Nogutusna-jima Island
Mutsuno

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Nyō (Ōtomari ) Fishing Harbour
Hatari
Nakajima-awai
Nishi-nakajima
Shiroyama E. S. Site 33
32 Nakajima Community Center Awai Branch
Nyō (Awai) Fishing Harbour
Nyō (Hatari) Fishing Harbour
31 Hatari Health Promotion Training Center for the Elderly
Nyō
Mt. Tainō-yama
Nyō Fishing Harbour
Nakajima Community Center Nyō Branch 30
Nishinaka Port
Nishinaka Port Multipurpose Ground
Nakajima Community Center Yoshiki Branch 29
Kojima-Island
30 Nyō (Yoshiki) Fishing Harbour
Higashi-nakajima
Nakajima-ōura
31

N NW NE W E SW SE S

Scale = 1/16,000
0 100 500m

* The contour line indicates the elevation by 10 meters

Designated Emergency Evacuation Site *
Designated Evacuation Shelter *
Welfare Evacuation Shelter
City Hall / Branch Office
Fire Station / Branch
Civilian Firefighters' Pump Storage
Police Station Kōban / Chūzai-sho
Emergency Medical Facility
Emergency Broadcast System (Announcement / Siren)
Emergency Helicopter Landing-pad
Underground Shopping Center / Underpass
Payphone (outdoors)
Emergency Transportation Route
Major Evacuation Route
Fire Station Intersection Name
National Road
JA / Bank
Shrine
Prefectural Road
Post Office
Temple

〈Sediment Disaster Hazard Zones / Sediment Disaster Special Hazard Zones〉
Hazard zone (steep slope)
Hazard zone (debris flow)
Hazard zone (landslide)
Extreme hazard zone (steep slope)
Extreme hazard zone (debris flow)

〈Caution Required Reservoirs / Expected Reservoir Flooding Inundation Zones〉
Rain Gauge
Caution Required Reservoir
Reservoir that could flood homes, etc. in case of a breach
0.5m and over
Under 0.5m







24
25
Amaya E.S. Site
Yoshiki
Kumata Regional General Facility 28
Nyō (Uwama/Kumata) Fishing Harbour
Uwama Agriculture, Forestry and Fisheries Experience Training Center 27
Mt. Ori-yama
Kumata
Nishi-nakajima
Uwama
Osako-ike Pond
Takagishi-ike Pond
Miyano
Oike Pond
Kōnoura
Iyo-nada Sea
Kōnoura Fishing Harbour
23 Kōnoura Regional General Facility
Nakajima-oura
Nakajima Multi-Purpose Cultural Center 15
Matsuyama Kita H.S. Nakajima Branch 26
Naka-jima Island
Higashi-nakajima
Shin-ike Pond
Takayama
Nagashi
Himegahama-sō - Special nursing home for the elderly
Nagashi (Miyano) Fishing Harbour
22 Nakajima Community Center Miyano Branch
Nakajima Minami E.S. Site
Nagashi Ground
Nagashi Fishing Harbour
19 Nakajima Community Center Oura Branch
Nakajima Branch Office
Nakajima Chūzai-sho
18 Nakajima Kodomo-en
Nakajima Port
Nakashima Port Ryokuchi Park
20 Nakajima Community Center Obama Meeting Place
25 Nakajima B&G Marine Center
24 Nakajima Fureai Center
17 Nakajima J. H. S.
16 Nakajima E. S.
Obama
21 Nagashi Rural Development Training Center
Kyūbei-kojima-Isldand
Taka-shima Island
Tono-shima Island

* Shelters with these illustrations are not suitable for evacuating from sediment disasters.

N NE E SE S SW W NW

Scale = 1/16,000
0 100 500m
* The contour line indicates the elevation by 10 meters

Higashi-nakajima

Sediment Disasters / Reservoir Flooding

Designated Emergency Evacuation Site *
Designated Evacuation Shelter *
Welfare Evacuation Shelter
City Hall / Branch Office
Fire Station / Branch
Civilian Firefighters' Pump Storage
Police Station Kōban / Chūzai-sho
Emergency Medical Facility
Emergency Broadcast System (Announcement / Siren)
Emergency Helicopter Landing-pad
Underground Shopping Center / Underpass
Payphone (outdoors)
Emergency Transportation Route
Major Evacuation Route
Fire Station Intersection Name
National Road
JA / Bank
Shrine
Prefectural Road
Post Office
Temple

〈Tsunami Hazard Zones / Maximum Inundation Depth [Standard Water Level]〉
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4.0~5.0m (Not applicable)
3.0~4.0m (Not applicable)
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1.0~2.0m
0.3~1.0m
0.3m

〈Expected Storm Surge Inundation Zones〉
To see details on expected storm surge inundation zones, etc., check the Matsuyama Storm Surge Hazard Map.





26
27
41
Amaya E.S. Site
Yoshiki
Kumata Regional General Facility 28
Nyō (Uwama/Kumata) Fishing Harbour
Uwama Agriculture, Forestry and Fisheries Experience Training Center 27
Mt. Ori-yama
Kumata
Nishi-nakajima
Uwama
Osako-ike Pond
Takagishi-ike Pond
Miyano
Oike Pond
Kōnoura
Kōnoura Fishing Harbour
23 Kōnoura Regional General Facility
Iyo-nada Sea
22 Nakajima Community Center Miyano Branch
Nagashi (Miyano) Fishing Harbour
Nakajima Minami E.S. Site
Nagashi Ground
Nagashi Fishing Harbour
Nagashi
Himegahama-sō - Special nursing home for the elderly
21 Nagashi Rural Development Training Center
Kyūbei-kojima-Isldand
Taka-shima Island
Tora-shima Island
Nakajima-oura
Nakajima Multi-Purpose Cultural Center 15
Naka-jima Island
Matsuyama Kita H.S. Nakajima Branch 26
Higashi-nakajima
Shin-ike Pond
Takayama
Obama
Nakajima Port
Tidal Observatory
Nakashima Port Ryokuchi Park
19 Nakajima Community Center Ōura Branch
Nakajima Branch Office
Nakajima Chūzai-sho
18 Nakajima Kodomo-en
20 Nakajima Community Center Obama Meeting Place
25 Nakajima B&G Marine Center
24 Nakajima Fureai Center
17 Nakajima J. H. S.
16 Nakajima E. S.

N NW NE W E SW SE S

Scale = 1/16,000
0 100 500m

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* The contour line indicates the elevation by 10 meters

Islands Area 32 — LANDSLIDE,etc. / RESERVOIR

Designated Emergency Evacuation Site *
Designated Evacuation Shelter *
Welfare Evacuation Shelter
City Hall / Branch Office
Fire Station / Branch
Civilian Firefighters' Pump Storage
Police Station Kōban / Chūzai-sho
Emergency Medical Facility
Emergency Broadcast System (Announcement / Siren)
Emergency Helicopter Landing-pad
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Shrine
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Post Office
Temple

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Hazard zone (debris flow)
Hazard zone (landslide)
Extreme hazard zone (steep slope)
Extreme hazard zone (debris flow)

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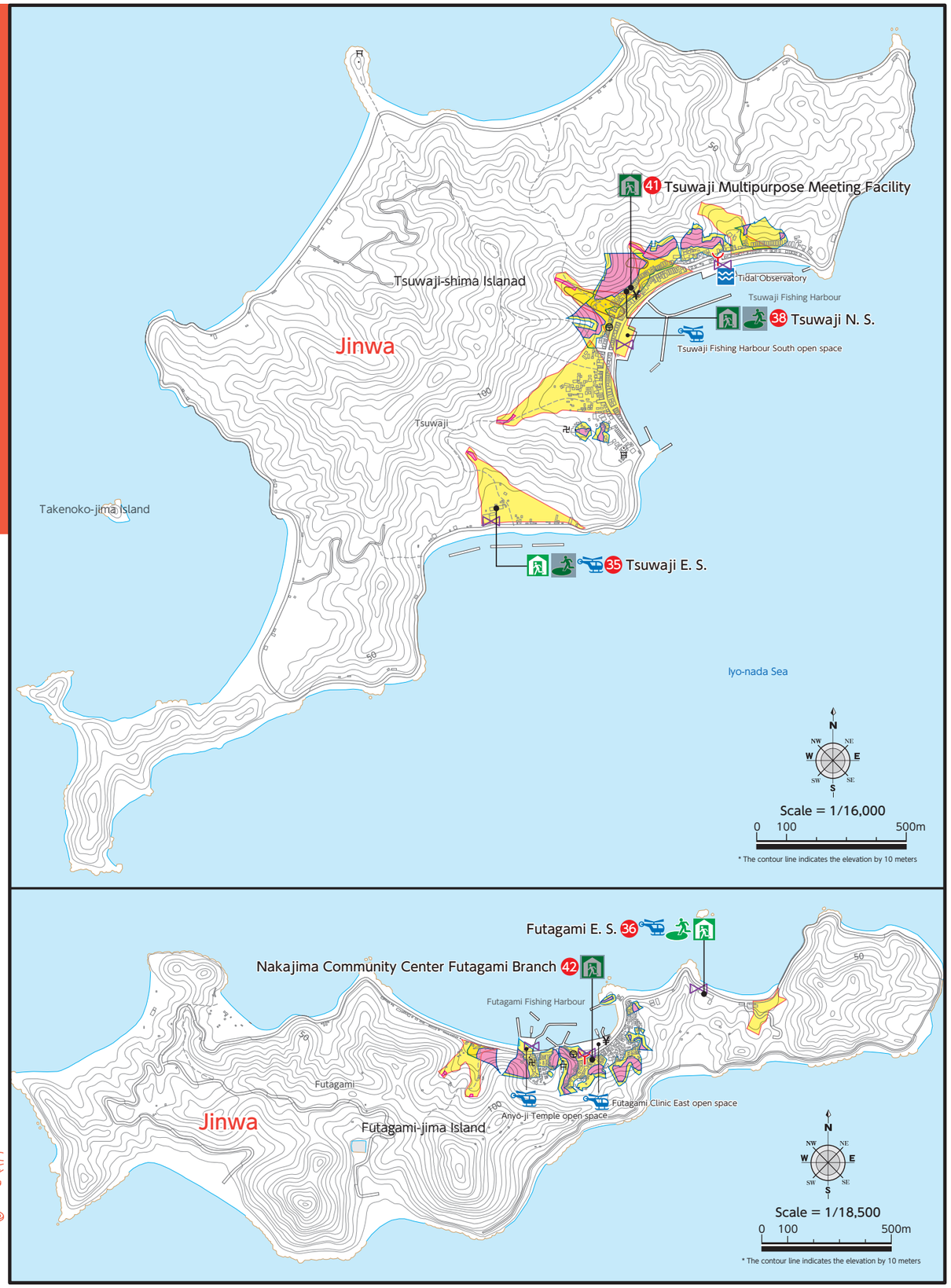
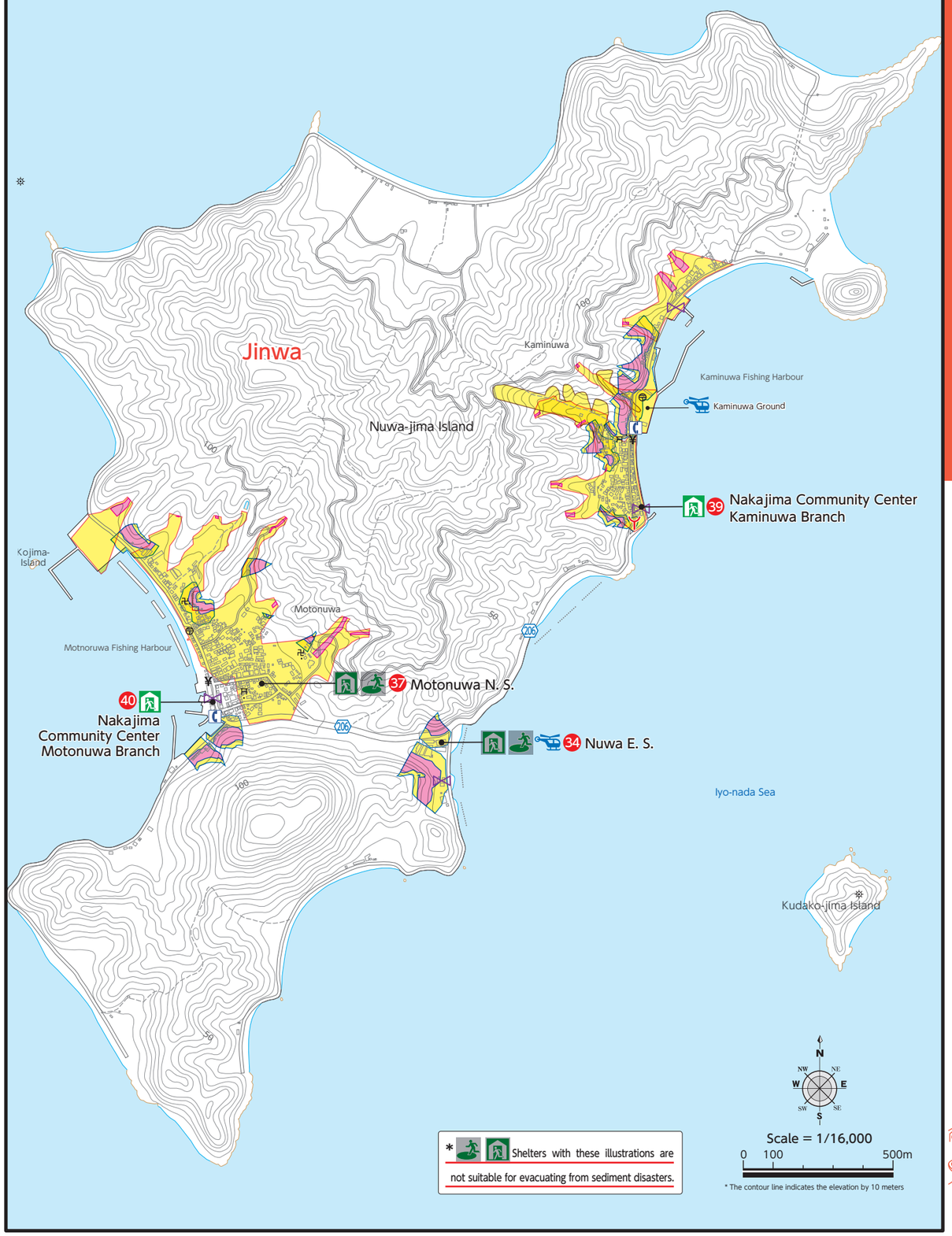
Rain Gauge
Caution Required Reservoir
Reservoir that could flood homes, etc. in case of a breach
0.5m and over
Under 0.5m
(Not applicable)

Islands Area 33 — LANDSLIDE,etc. / RESERVOIR



Designated Emergency Evacuation Site*
Designated Evacuation Shelter *
Welfare Evacuation Shelter
City Hall / Branch Office
Fire Station / Branch
Civilian Firefighters' Pump Storage
Police Station Kōban / Chūzai-sho
Emergency Medical Facility
Emergency Broadcast System (Announcement / Siren)
Emergency Helicopter Landing-pad
Underground Shopping Center / Underpass
Payphone (outdoors)
Emergency Transportation Route
Major Evacuation Route
Fire Station Intersection Name
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Shrine
Prefectural Road
Post Office
Temple

〈Tsunami Hazard Zones / Maximum Inundation Depth [Standard Water Level]〉
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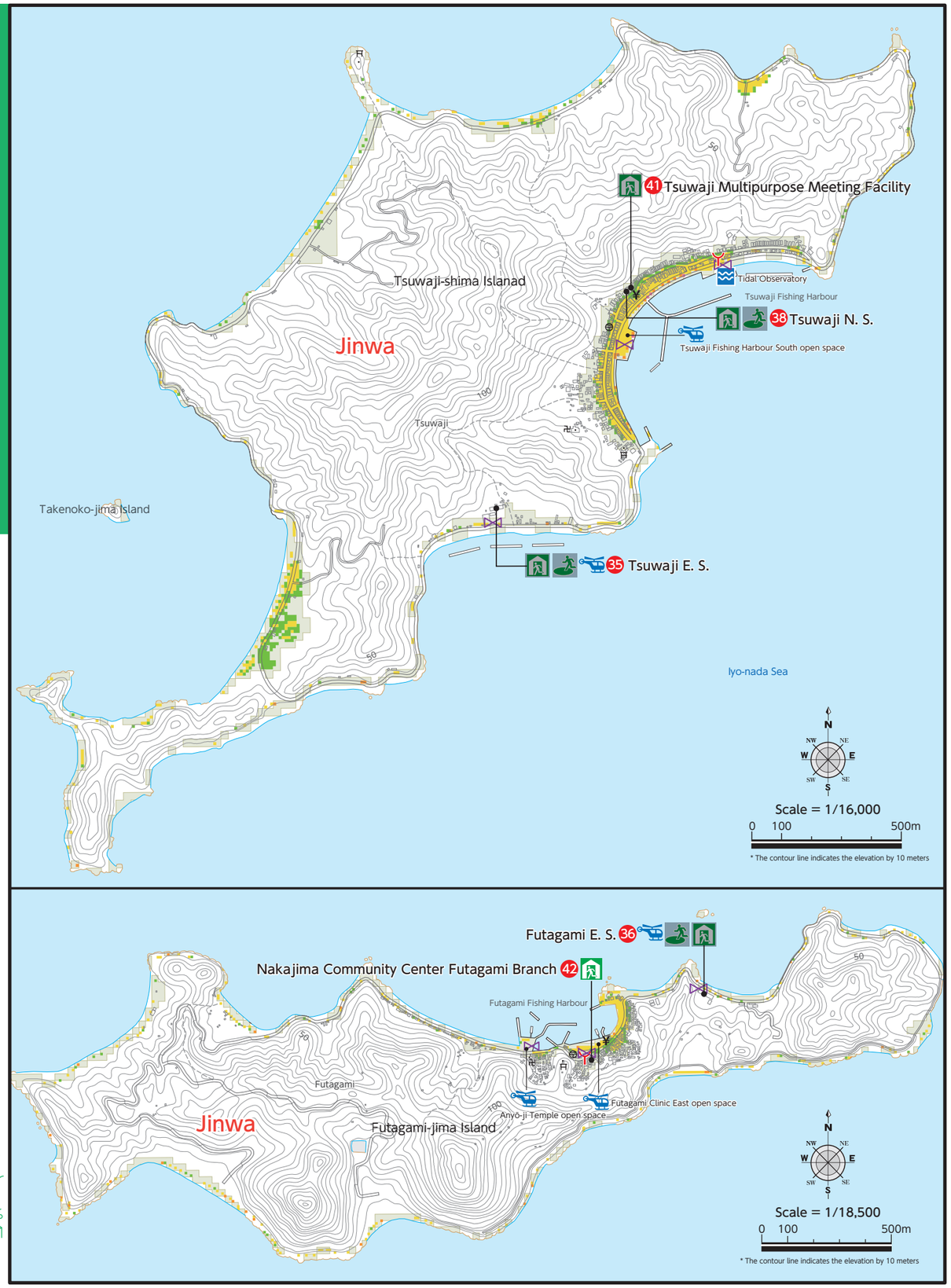
4.0~5.0m (Not applicable)
3.0~4.0m
2.0~3.0m
1.0~2.0m
0.3~1.0m
0.3m

〈Expected Storm Surge Inundation Zones〉

To see details on expected storm surge inundation zones, etc., check the Matsuyama Storm Surge Hazard Map.

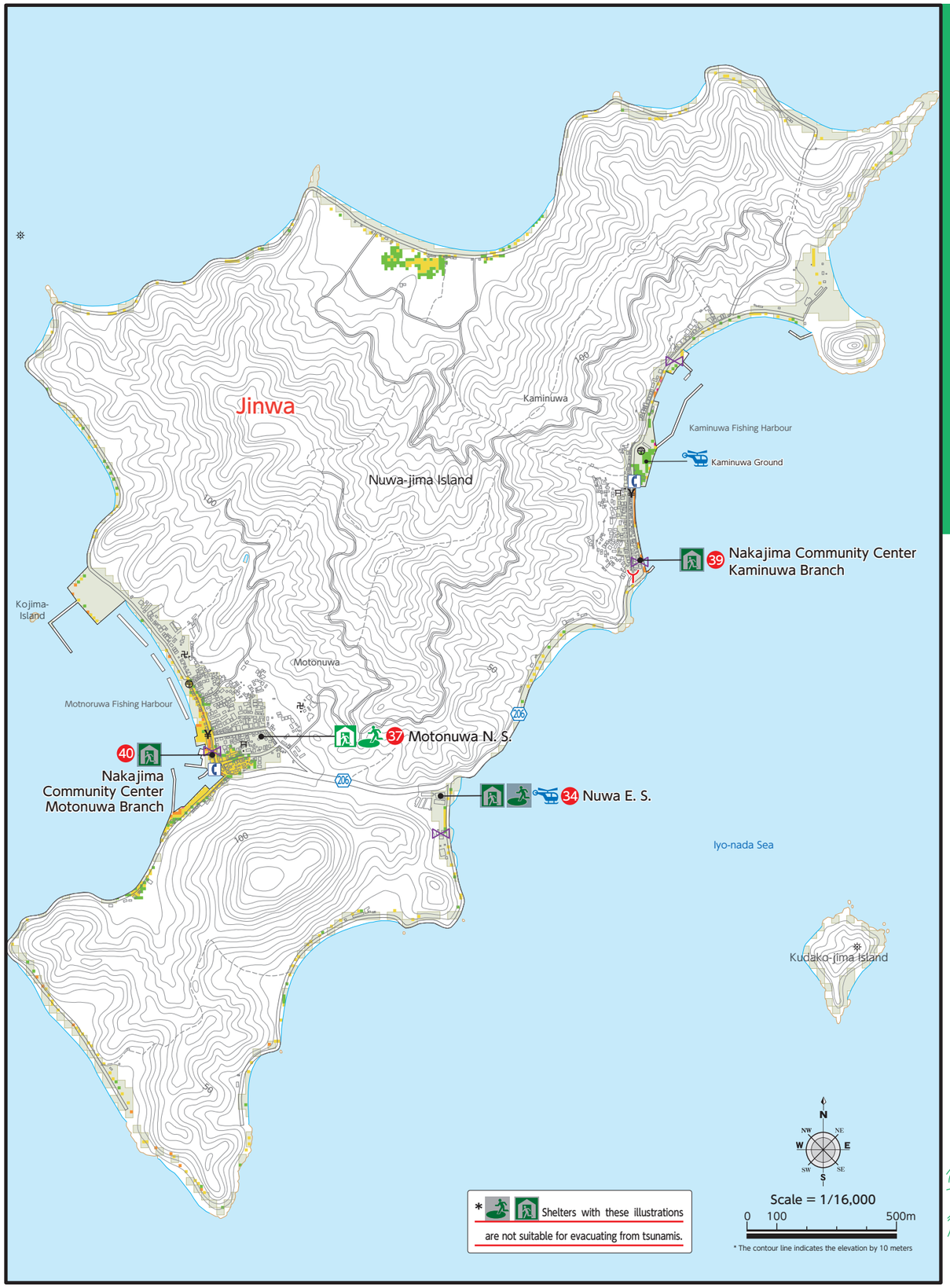












# Nankai Trough Megaquake Expected Seismic Intensity Distribution Map (Cases overlaid)

Source: Results of 2013 Ehime Prefecture Earthquake Damage Projection Survey (Initial Report)

< JMA Seismic Intensity Scale >

6 Lower　5 Upper

Designated Emergency Evacuation Site

Designated Evacuation Shelter







**Seismic Intensity: 7**
- Wooden houses with low earthquake resistance are even more likely to lean or collapse.
- Even wooden houses with high earthquake resistance may lean in some cases.
- Reinforced-concrete buildings with low earthquake resistance are more likely to collapse.

**Seismic Intensity: 6 Upper**
- It is impossible to move without crawling. People may be thrown through the air.
- Most unsecured furniture moves and is more likely to topple over.
- Wooden houses with low earthquake resistance are more likely to lean or collapse.
- Large cracks may form in ground. Large landslides and massif collapses may be seen.

**Seismic Intensity: 6 Lower**
- It is difficult to remain standing.
- Many unsecured pieces of furniture move and may topple over. Doors may become wedged shut.
- Wall tiles and windows may sustain damage and fall.
- Wooden houses with low earthquake resistance may lean or collapse, and tiles may fall.

**Seismic Intensity: 5 Upper**
- Walking is difficult without holding on to something stable.
- Dishes in cupboards and items on bookshelves are more likely to fall.
- Unsecured furniture may move.
- Unreinforced concrete-block walls may collapse.

**Seismic Intensity: 5 Lower**
- Many people are frightened and feel the need to hold on to something stable.
- Dishes in cupboards and items on bookshelves may fall.
- Unsecured furniture may move, and unstable furniture may topple over.


Scale = 1/65,000

0　500　2500m

Kogo-jima Island
Nagare-kojima Island
Tsuwaji-shima Island
Takenoko-jima Island
Nuwa-jima Island
Kojima-Island
Kudako-jima Island
Tsuwaji Strait
Heyano-seto Strait
Jinwa
Moro-shima Island
Kanjo-jima Island
Futago-shima Island
Futago Strait
Futagami-jima Island
Yoko-shima-Island
Naka-jima Island
Kamose-jima Island
Iyo-nada Sea
Oichi-jima Island
Okinoko-jima Island
Jinoko-jima Island
Kuzureiso Island
Itsuki-nada Sea
Nishi-nakajima
Higashi-nakajima
Naka-jima Island
Sekido Strait
Shiro Island
Kyūbei-kojima-Isldand
Taka-shima Island
Tono-shima Island
Fuguriiwa Island
Tsurushima Channel
Islands Area
Muzuki-jima Island
Imoko Strait
Tano-shima Island
Nogutsuna-jima Island
Imoko-jima Island
Mutsuno
Inunokashira-jima Island
Yura
Gogo-shima Island
Jōsei Area
Yura Bay
Kamose-shima Island
Ko-seto Strait
Tsurushima Island
Kujūku-shima Island
Takahama
Tomari
Shijushima Strait
Shiju-shima Island

-20　-50

**Potential Future M9 Sources (Max. magnitude)**

Source: Earthquake Research Commission