# Hakone Geopark Geosite Map

Ve here provide a review of the Hakone Geopark from a g logical viewpoint-based on resources that describe the nature, history, and culture of the area—to make local residents more aware of and more interested in this area. We also hope that the area provides a great experience for visitors.

# Hakone Geopark All 41 Geosites

#### A Historical Road Connecting East and West

The Tokaido is the main artery connecting east and west Japan, and has played a major role in Japanese history.

During the Warring States Period of the Middle Ages, Odawara-jo and other castles were built. A quarry was opened in this area to meet the demand for stone to build the castles, and mining flourished in the Edo period. Even during the peaceful Edo era, inspection booths (such as the Hakone Sekisho) were placed in this area to protect the city of Edo.

The Hakone Geopark, located on the historical Tokaido road, was a region of cultural exchange between east and west.

#### A Natural Road Connecting North and South

The Hakone area is located in a boundary zone between the Izu-Bonin Islands (the Izu-Bonin arc) and the main island of Japan (the Honshu arc). The Hakone volcanoes, located at the center of that area, run north to south and form a boundary that divides Japan into east and west.

The Hakone volcanoes are part of an arc that connects the Fossa Magna rift area in the Tanzawa mountains in the north to the Izu Peninsula and the Izu-Bonin Islands in the south.



(in the Hakone Town office, Plannig Division 2014.3

#### 🗾 Motohakone Stone Buddhas

Ancient god-fearing people imagined hell when they passed Shojingaike pond, located on the roadside of Route 1 near Ashinoyu, because of its isolation and the view of the steaming mountain behind the pond. In the 12th century, people inscribed Buddha images on the rocks by the roadside to pray for the safety of travelers on the highway.



Magaibutsu Buddha statues at Motohakone

#### 💾 Hakone-jinja Shrine

Because the area of Hakone is steep and mountainous, people have been awed by the mountains and have worshipped them as sacred.

Minamoto no Yoritomo hid at Hakone-jinja Shrine after being defeated in the war of Ishibashiyama (12th century; before the onset of his administration); as a result, the shrine was increasingly supported by



samurai believers, which extended its influence.

#### Hiryu-no-taki Falls

This falls, located west of Hatajuku, is one of the largest falls in Kanagawa Prefecture. The falls has two drops—the upper drop is 15 m, and the lower drop is 25 m. The name Hiryu-no-taki means "falls shaped like a flying dragon" During the Kamakura period, practitioners performed cold-water ablutions by stand ing under this falls to purify themselves.

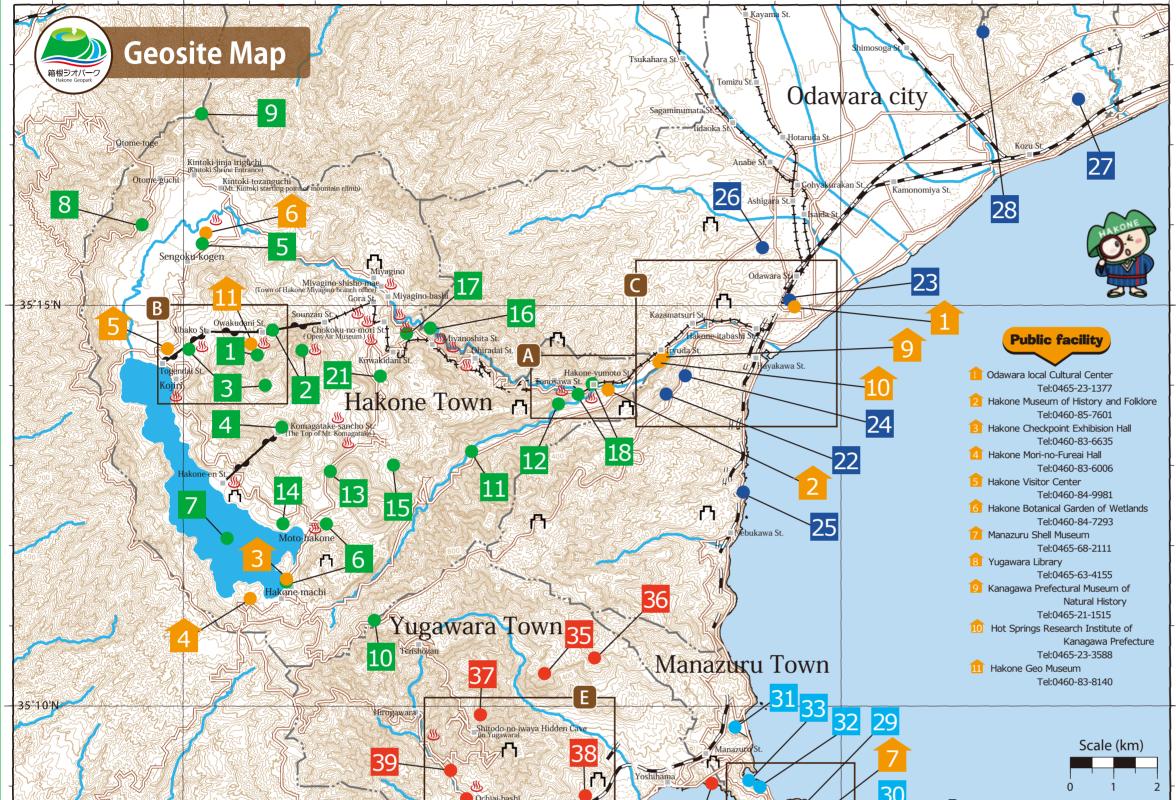


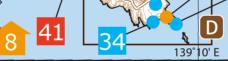
Hiryu-no-taki Fall

#### 16 Dogashima Valley

Near Miyanoshita, at the bottom of a steep valley formed by the Hayakawa River, you can find rocks that were formed on the sea floor about 4 million years ago, long before the Hakone volcanoes appeared.







9

# 🐠 20 (Hakone Onsen) and other major hot springs

Grid line spacing on contour map represents 10m altitude interval Created and published by Kanagawa Prefectural Museum of Natural History

One of the "Hakone-nanayu" (the seven hot springs) flows from cracks in the rock.

#### 📘 Owakudani (Fumarole Field)

139°00'E

Owakudani was once called the "Valley of Hell", because of the presence of fumarolic gases, but the name was changed to "Owakudani" when the Emperor visited here in 1873.

Owakudani was created about 3000 years ago with the collapse of the north side of Mt. Kamiyama.

The area contains unique plants, and the

hot gases have been used to develop hot springs.

### 2 Mt. Sounzan and Owakuzawa Valley

Mt. Sounzan and Owakuzawa Valley are landslide zones. In 1910, the Owakuzawa landslides hit areas such as Tonosawa, and 6 people were killed.

In 1953, large landslides in the area around Sounzan hit the Doryoson temple lodgings, and 13 people were killed.

Currently, Kanagawa Prefecture is conducting large-scale earthworks to prevent further landslides.

#### **3** Mt. Kamiyama and Hummocky Hills

Debris formed by the collapse of Mt. Kamiyama about 3000 years ago blocked the Hayakawa River and Lake Ashinoko was formed.

Large rocks, such as Funami-iwa and Kintaro-iwa near Ubako, are chunks of collapsed mountain that surfaced on the debris deposit.

#### 4 Mt. Komagatake

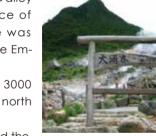
Symbol

At the base of the Komagatake, one of the central cones, you can see plants such as Rhododendron tsusiophyllum that thrives in windy rocky areas.

The base of Komagatake is covered with greenery, but several lava flows that form the mountain can be recognized if you study the morphology.

At the top of the mountain are remains of View from the summit ancient worship sites, such as "the Bakoseki" rock, where god is said to have descended to earth.

Geology Hakone's geology



Owakuzawa

Kintaro-iwa

Landform

In the Hakone caldera, there was a lake called Sengokuharako, but the lake was divided into two parts by an eruption of Mt. Kamiyama about 22 thousand years ago, and the Sengokuhara area part became a marsh.

5 Sengokuhara Marsh

You can see examples of plants that grow in such marshlands in the Hakone Botanical Garden of Wetlands.

6 Hakone Sekisho (Checkpoint)



# This stratovolcano was formed by a series to form its present shape. The volcano's interior is visible from the mountain.

🚺 Mt. Taikanzan

of Mt. Komagatake, etc.

Sukumogawa River

Mt. Kintokiyama

of eruptions between 350 and 270 thousand years ago. Initially the mountain was much larger, but the south side collapsed

hiking trail; peculiar plants thrive on the windy rocky surfaces near the top of the

There is a superb view of Mt. Taikanzan

from the southeast rim of the Hakone cal-

dera, at the end of the Toyo Tire Turnpike.

From the lookout point on the north side,

you can enjoy a panoramic view span-

ning the Hakone caldera rim of both

Yamabushi-toge Pass and Mt. Mikuniya-

ma, Lake Ashinoko and the central cone

Along the bank of the Sukumogawa

River, near the Sukumogawa bus stop,

you can see many upright tabular rock

bodies called "dikes" formed some 250

Mt. Kintokiyama

View from the summi

Dikes on Sukumogawa Rive

# 17 Jakotsu-keikoku Valley

The Jakotsu-keikoku Valley, west of Miyanoshita, is known for the salty waters (containing sodium chloride) that feed the Sokokura Onsen.

One famous spring is called "Taiko-no-iwaburo" (stone bathtub), because it's said that when Taiko (Toyotomi Hideyoshi) attacked Odawara near Hakone in 1590, he took his warriors with him to the spring to heal their wounds.



## 18 Shiraishi-jizo & Fukuzumi Ryokan

Strata at the bottom of the Hakone-Yumoto valley were formed by submarine volcanoes around 4 million years ago. These strata include a lot of pumice, giving them their white color and making them soft and easy to carve. Shiraishi-jizo is a Buddha image carved into pumice rocks behind Hakone-Yumoto Station. Rocks of such strata are used on the outer



rock walls of Fukuzumi Ryokan, a Japanese-style inn.

#### Setwork of Hojo Clan's Castles 🕑

The warlords of the Hojo clan constructed the fortresses of Yamanaka (in Mishima city), Ashigara (in Minamiashigara city), and Takanosu (location unknown) in the Hakone mountains, thus utilizing natural topographic features to give protection from threats from the west.



 $\ge$ 

Smaller fortresses, such as Tonomine, Yusaka, Goshoyama, and Nebukawa,

Fujiyama where a fort was bui were also arranged in a network along the main road.

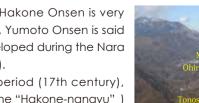
#### Hakone Onsen (Hot Springs)

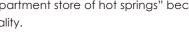
The history of the Hakone Onsen is very long. Among them, Yumoto Onsen is said to have been developed during the Nara period (8th century).

By the early Edo period (17th century), seven hot springs (the "Hakone-nanayu" had been discovered.

Now 20 hot springs are present in Hakone. The Hakone Onsen is nicknamed

Havakawa Rive "the department store of hot springs" because of their variety and high quality.







tunnel.

Hakone's geological formation

years ago.

see an outcrop of a lava flow dipping towards the center of the caldera. The discovery of the outcrop helped reconstruct the geol-

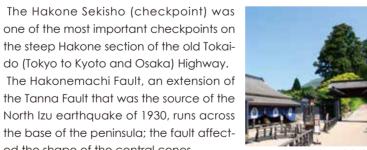
 $\mathbb{A}$ 

Lake Ahinoko

murigatake mountains from the caldera

on is shaped like a clamshell, formed by the collapse of Mt. Kamiyama about 3000

Outcrop at Nagao-toge pass ogy of Hakone.



lakone Sekisho

Lake Ashinoko It is thought that the present shape of

Lake Ashinoko developed around 3000 years ago. Its west side is defined by the steep slope

ed the shape of the central cones.

of the caldera wall, and its east side by lava flows of younger mountains such as Mt. Kamiyama, etc. Lake Ashinoko has been a sacred lake of Hakone-jinja Shrine.

8 Nagao-toge Pass You can see the Kamiyama and Kan-

rim, near the eastern exit of Nagao The landscape that the golf courses are

To the east of Nagao-toge Pass, you can

Living things Diversity of plant and animal life

History Consider how geology affected its history

and a total of 215 dikes have been found,

You can enjoy the view of this 8-m high and 11-m wide falls at Tenseien Hotel in Hakone-Yumoto.

The water that feeds the falls emerges from the boundary between old basement rocks and the newer Hakone lavas.

The name of the falls comes from the fine and beautiful Tamadare-beaded hanging screen blind, which it resembles.

thousand years ago. The average width of the dikes is 2.9 m,

showing that the area widened about 650 m in a northeast-southwest direction on account of the intruding magma swarms.

# 🔽 Tamadare-no-taki Falls



Tamadare-no-taki Falls

