
Status of Seismic Retrofitting at Osaka University



September 2019

For school facilities, the **Is value** must be **0.7 or higher** in accordance with the Structure Design Guideline for School Buildings written by Educational Facilities Development Technology Study Group.

The fourth five-year plan to improve the facilities of national university corporations, etc. (AY2016 to AY2020) (Ministry of Education, Culture, Sports, Science and Technology) also aims to promote retrofitting to extend the service life of buildings while taking into account the enhancement of earthquake-resistant measures and disaster prevention functions in order to offer safe and secure education and research environments.

■Explanation about the seismic capacity

Is value (seismic index of structure)

This is an index to assess the structural seismic capacity of buildings. The higher the Is value, the higher the seismic capacity.

Buildings constructed before 1981

Buildings that were built in accordance with the standards before the New Seismic Design Code (which came into force in 1981) and school facilities with three or more stories and a building area of 1,000 m² or more must undergo a seismic diagnosis. Seismic reinforcement must be conducted if necessary.

■Seismic capability rate

The Seismic capability rate at Osaka University is **98.0%**. (as of May 1, 2019)

Refer to the following URL for details.

http://www.mext.go.jp/a_menu/shisetu/kokuritu/_icsFiles/afiedfile/2019/08/30/1317922_1.pdf

Buildings constructed in 1982 or later

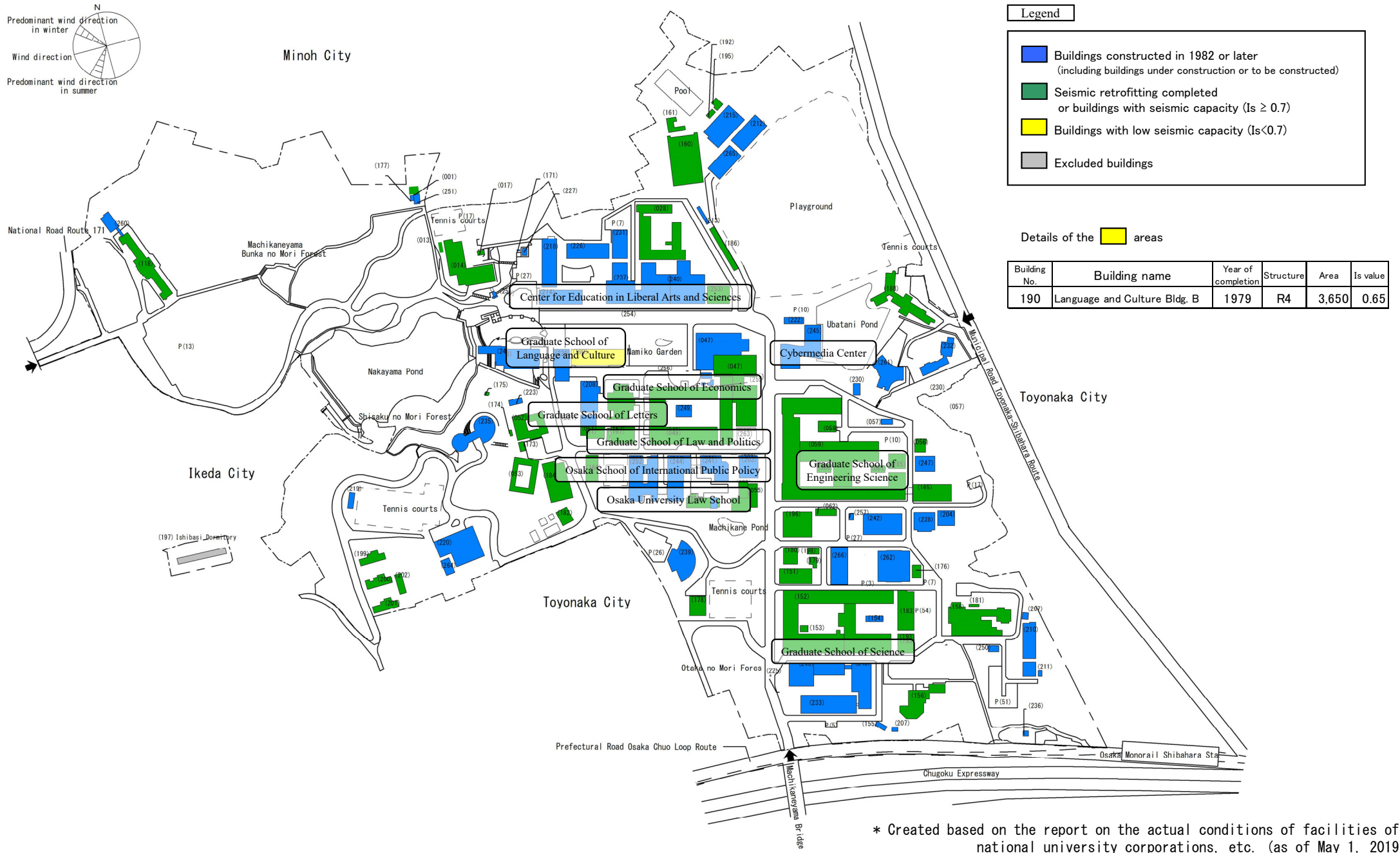
The buildings were built in accordance with the New Seismic Design Code (which came into force in 1981), and their seismic capacity is guaranteed.

Small buildings, etc.

Small buildings, etc. include small buildings such as warehouses and garages as well as buildings to be demolished, etc.

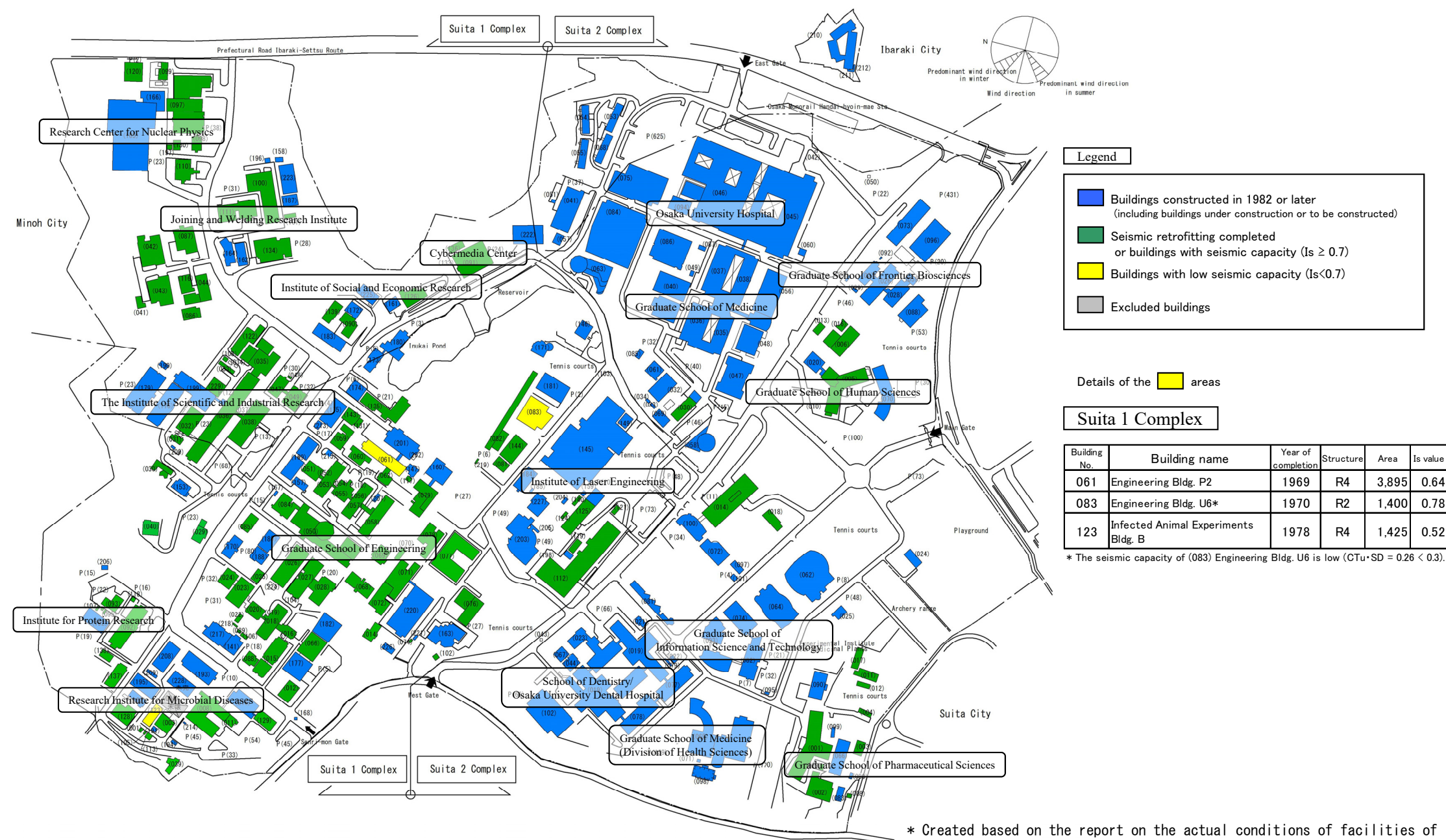
*Excluded from seismic capability rate

Map of the Seismic Retrofitting Status of the Toyonaka Complex



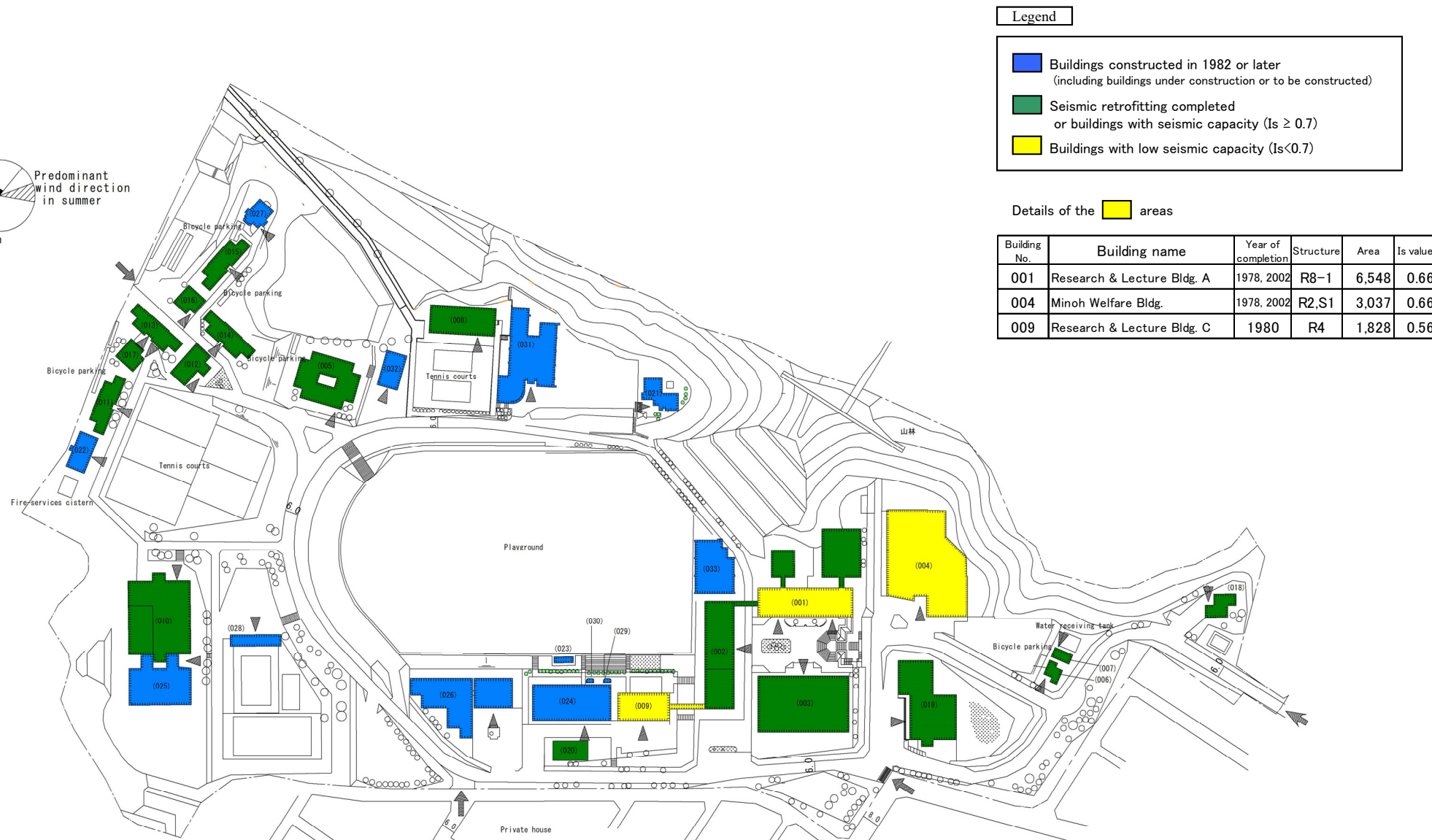
* Created based on the report on the actual conditions of facilities of national university corporations, etc. (as of May 1, 2019)

Map of Seismic Retrofitting Status of the Suita 1 and 2 Complexes



* Created based on the report on the actual conditions of facilities of national university corporations, etc. (as of May 1, 2019)

Map of Seismic Retrofitting Status of the Minoh Complex



* Created based on the report on the actual conditions of facilities of national university corporations, etc. (as of May 1, 2019)