

# Radiation levels at the sites of the Abiko International Open-Air Art Exhibition

Information for prospective participants and visitors

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**EcoStudies Assn.**  
**June 30, 2017**

Abiko International Open-Air Art Exhibition (AIOAAE) has been held since 1998 on the fields and forested hills near Fusa railway station of JR Narita line. The Exhibition is worldly well known and highly appreciated among artists and art lovers. On March 11, 2011 the Great East Japan Earthquake hit the Fukushima Daiichi Nuclear Power Plants. Consequently, a huge amount of radioactive material was spewed into the atmosphere from the three crippled nuclear reactors. Although Abiko locates about 250 km south west of the Fukushima Daiichi, the area around Abiko was contaminated by the fall out to a certain degree. EcoStudies Assn. volunteered to measure the radiation levels at the sites of the AIOAAE in 2012, 2014, and 2016. With the organizers' consent we present the results of the measurements of 2016 here in Part 1 for the prospective participants and visitors. The radiation levels decrease naturally with time. We have found that the decay is faster than that calculated from the half life of  $^{134}\text{Cs}$  and that of  $^{137}\text{Cs}$ , and the number of gamma rays per disintegration of each nuclide. The results at representative points are shown in Part 2. The decay faster than expected is attributed to efforts of decontamination and weathering (washing up by frequent rains).

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Contributors: Y. Matsubara, K. Kinoshita, K. Itou, T. Yoshifuji, N. Shiotani in 2012,

Y. Matsubara, M. Ouchi, K. Kinoshita, J. Yamada, N. Kumagai, N. Shiotani in 2014,

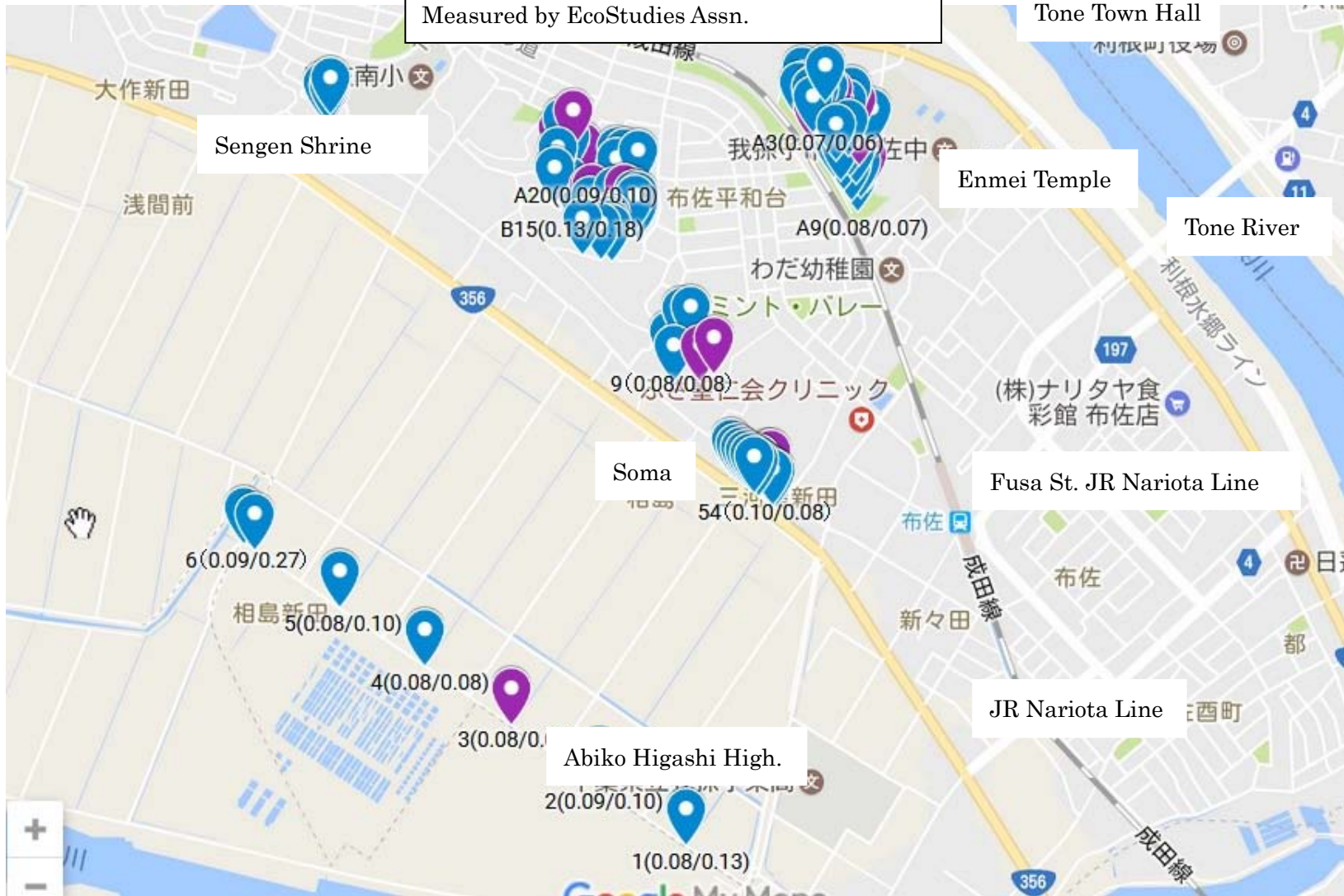
Y. Matsubara, N. Kumagai, J. Yamada, K. Kinoshita, F. Suzuki, E. Shinoda, N. Shiotani in 2016.

# Part 1

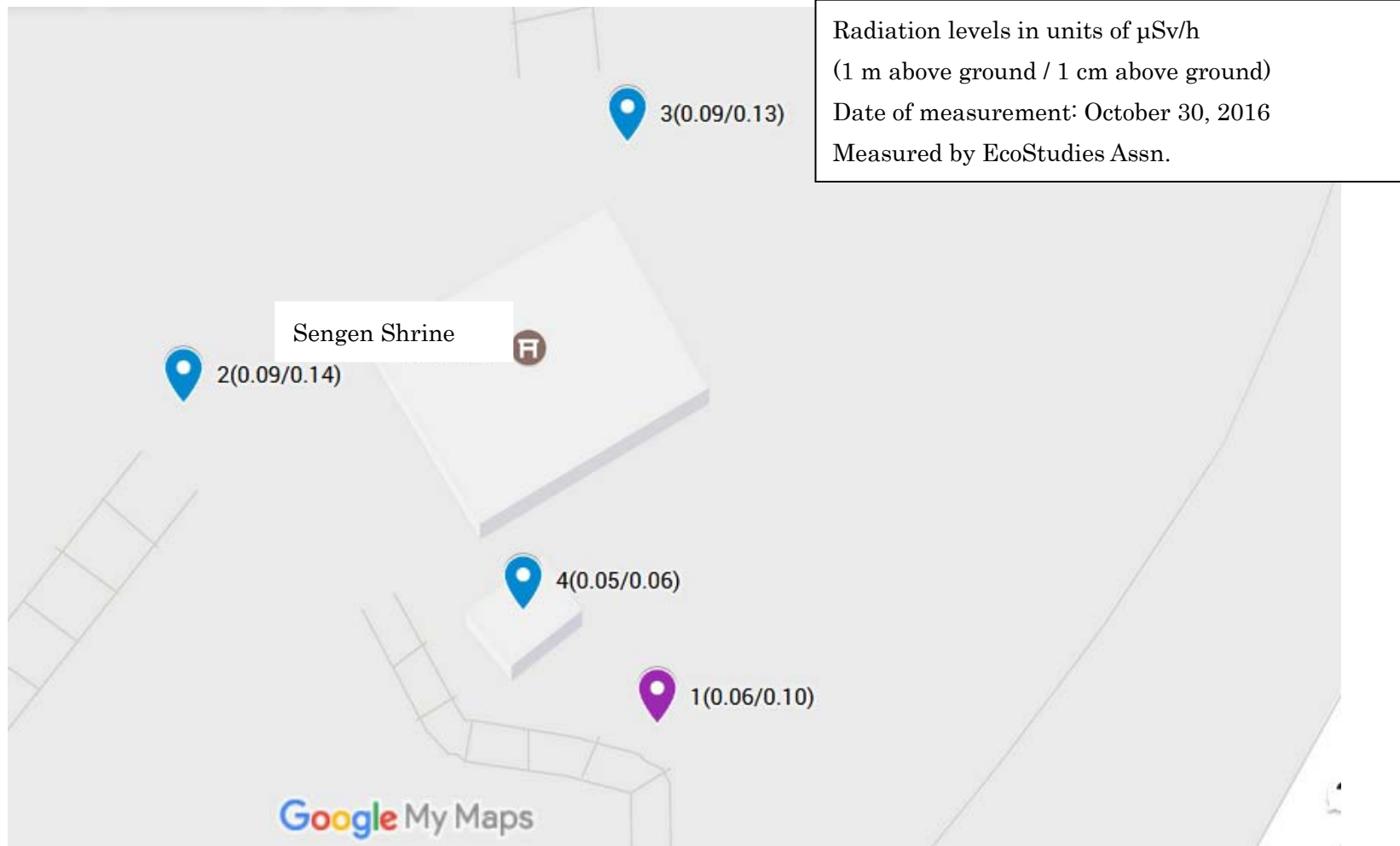
Radiation levels at the sites of the Abiko International Open-Air  
Art Exhibition (AIOAAE)

# 1. Sites of AIOAAE

Radiation levels in units of  $\mu\text{Sv/h}$   
(1 m above ground / 1 cm above ground)  
Date of measurement: October 30, 2016  
Measured by EcoStudies Assn.

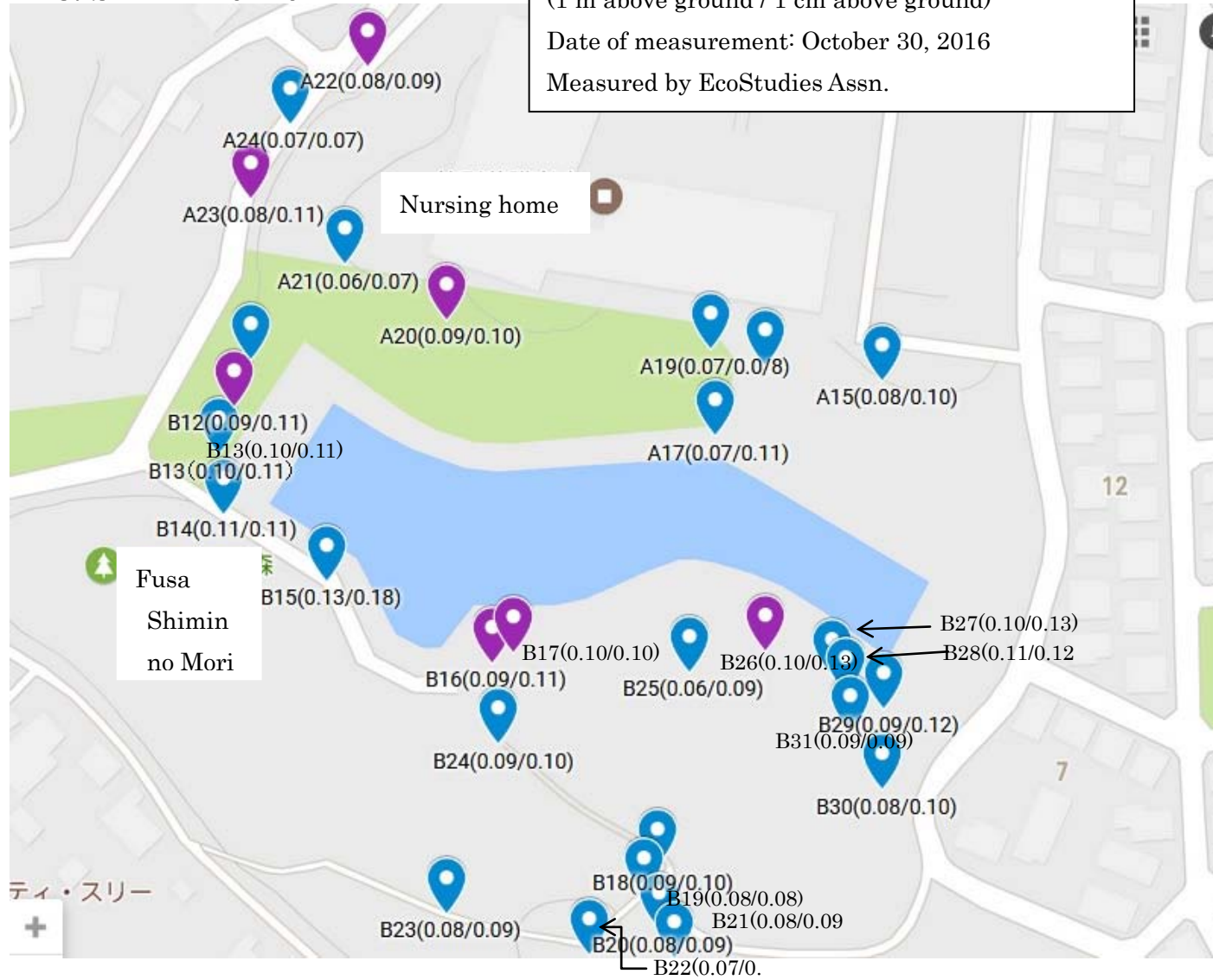


## 2. Sengen Shrine

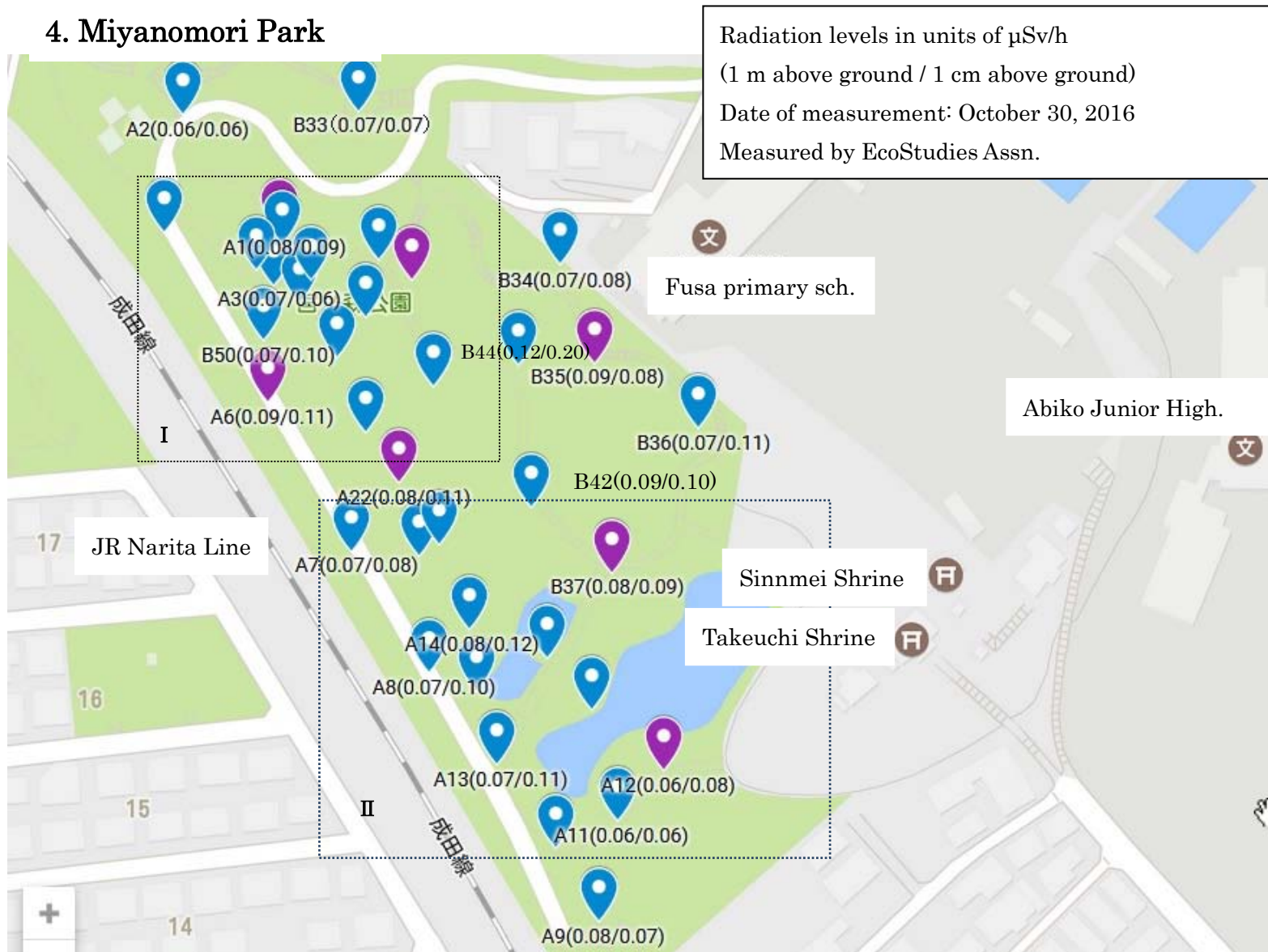


### 3. Shimin no Mori

Radiation levels in units of  $\mu\text{Sv/h}$   
(1 m above ground / 1 cm above ground)  
Date of measurement: October 30, 2016  
Measured by EcoStudies Assn.

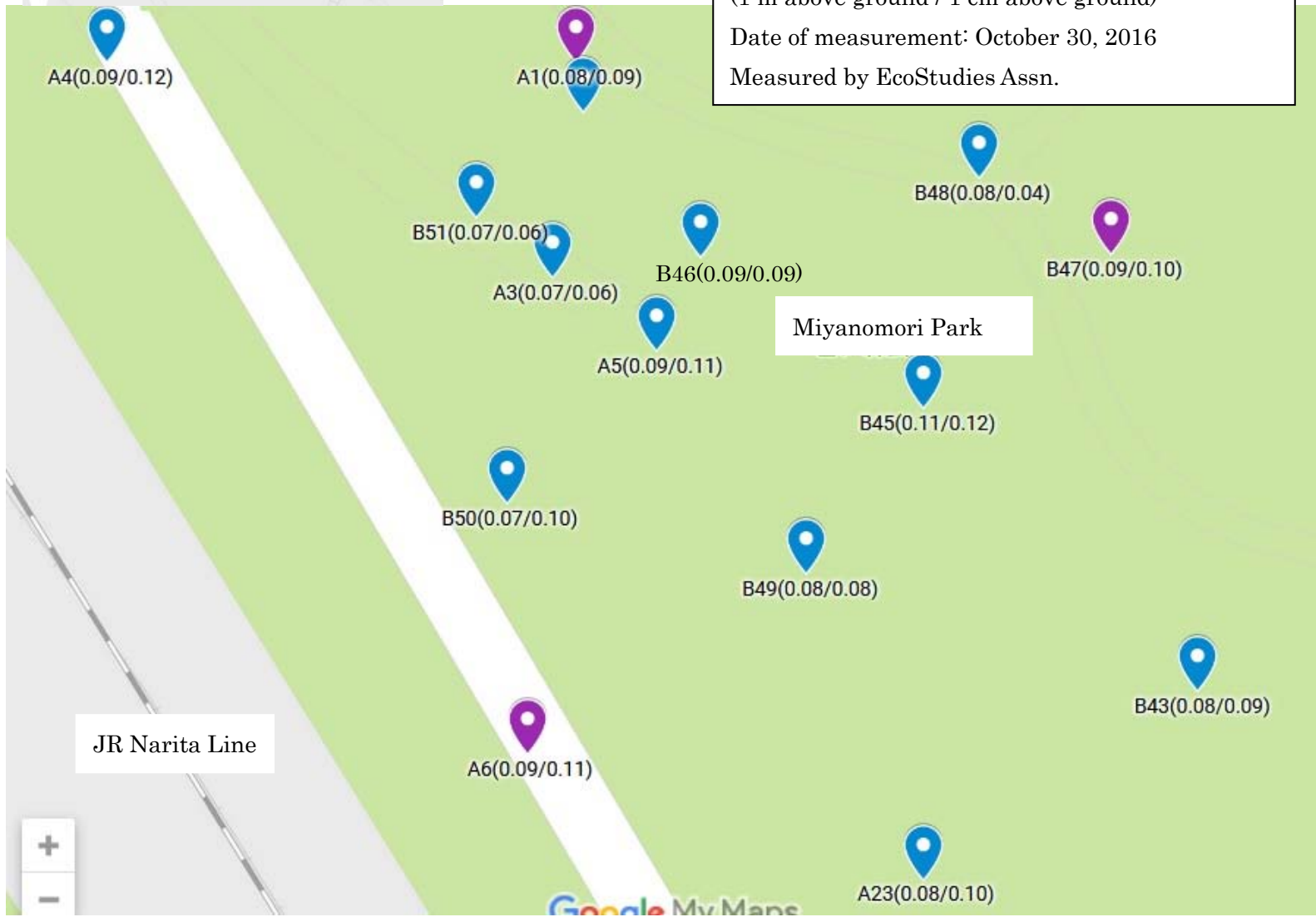


#### 4. Miyanomori Park



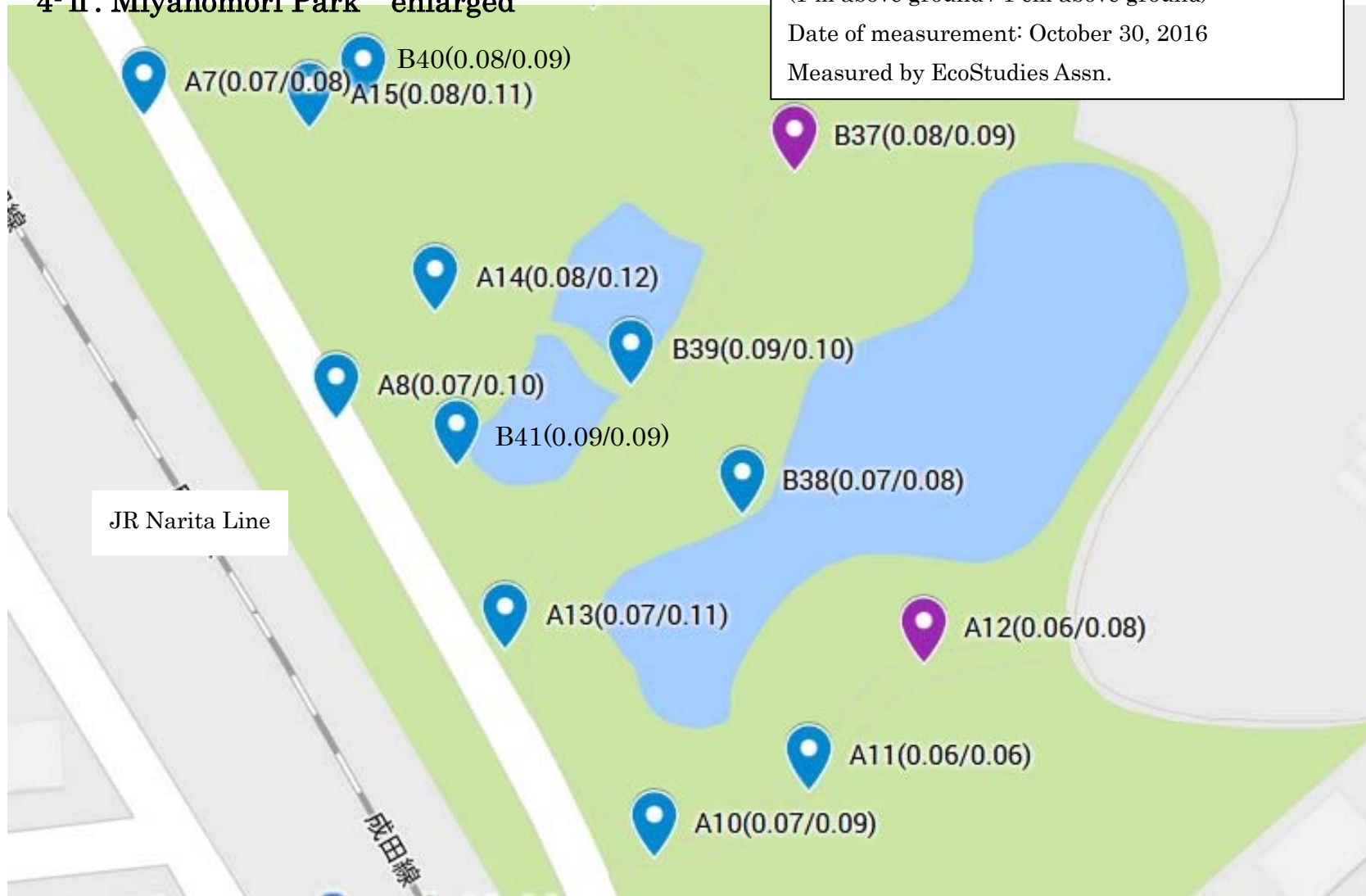
### 4-I. Miyanomori Park enlarged

Radiation levels in units of  $\mu\text{Sv/h}$   
(1 m above ground / 1 cm above ground)  
Date of measurement: October 30, 2016  
Measured by EcoStudies Assn.

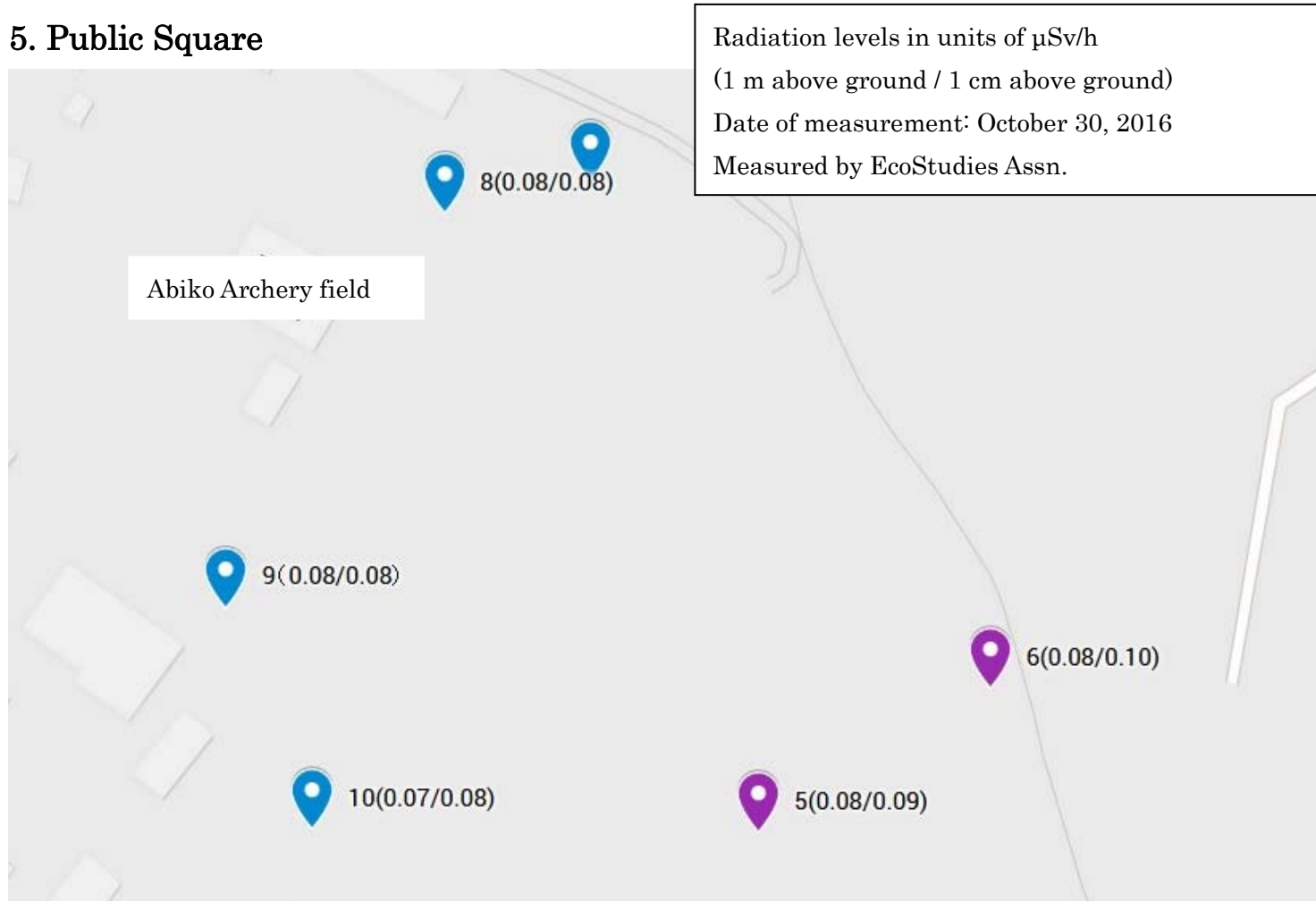




## 4- II . Miyanomori Park enlarged



## 5. Public Square



## 6. Office of the AIOAAE



### 6-III. Office of the AIOAAE enlarged



## Part 2

Decay of the radiation levels at the sites marked by the purple pins in the maps in Part 1.

