

**Results of ALPS Treated Water Marine Monitoring:
Swimming beaches survey (tritium) (June, 2023)**

1. Outline of survey

(1) Date of sampling

June 22-23, 2023

(2) Sampling points

6 sampling points at swimming beaches in the Fukushima Prefecture (Tsurushihama beach, Haragama Obama beach, Kitaizumi beach, Iwasawa beach, Hisanohama Hattachi beach and Nakoso beach)

(3) Detail of the survey

- The measurement of radioactive material concentrations in seawater (tritium)
Analysis with target lower limit of detection of 0.1 Bq/L.

* A target lower limit of detection means a value that is set for quality control to assure at least the detection up to the value when analysis is conducted. Each actual lower limit of detection differs according to samples, and is equal to or lower than a target lower limit of detection.

2. Outline of results

(1) Seawater survey (6 sampling points [6 samples])

Concentrations of tritium in seawater range from below the lower limit of detection to 0.090 Bq/L.

(Detailed are attached)
(Maps attached)

Attachment

Analysis results for tritium in seawater at swimming beaches

Sampling point	Sampling date (yyyy/mm/dd)	Sampling layer	Sampling depth (m)	Nuclide	Radioactivity concentration ^{*1,*2}	Unit
E-SK1	2023/06/22	Surface layer	—	H-3	0.082 ± 0.018	Bq/L
E-SK2	2023/06/22	Surface layer	—	H-3	0.085 ± 0.019	Bq/L
E-SK3	2023/06/22	Surface layer	—	H-3	0.090 ± 0.019	Bq/L
E-SK4	2023/06/22	Surface layer	—	H-3	0.067 ± 0.018	Bq/L
E-SK5	2023/06/23	Surface layer	—	H-3	< 0.04	Bq/L
E-SK6	2023/06/23	Surface layer	—	H-3	0.069 ± 0.018	Bq/L

*1 Radioactivity concentrations are presented as radioactivity concentration ± combined standard uncertainty.

*2 Values below detection limit are shown by lower limit of detection (e.g., “<10 Bq/L” indicates a value below 10 Bq/L).

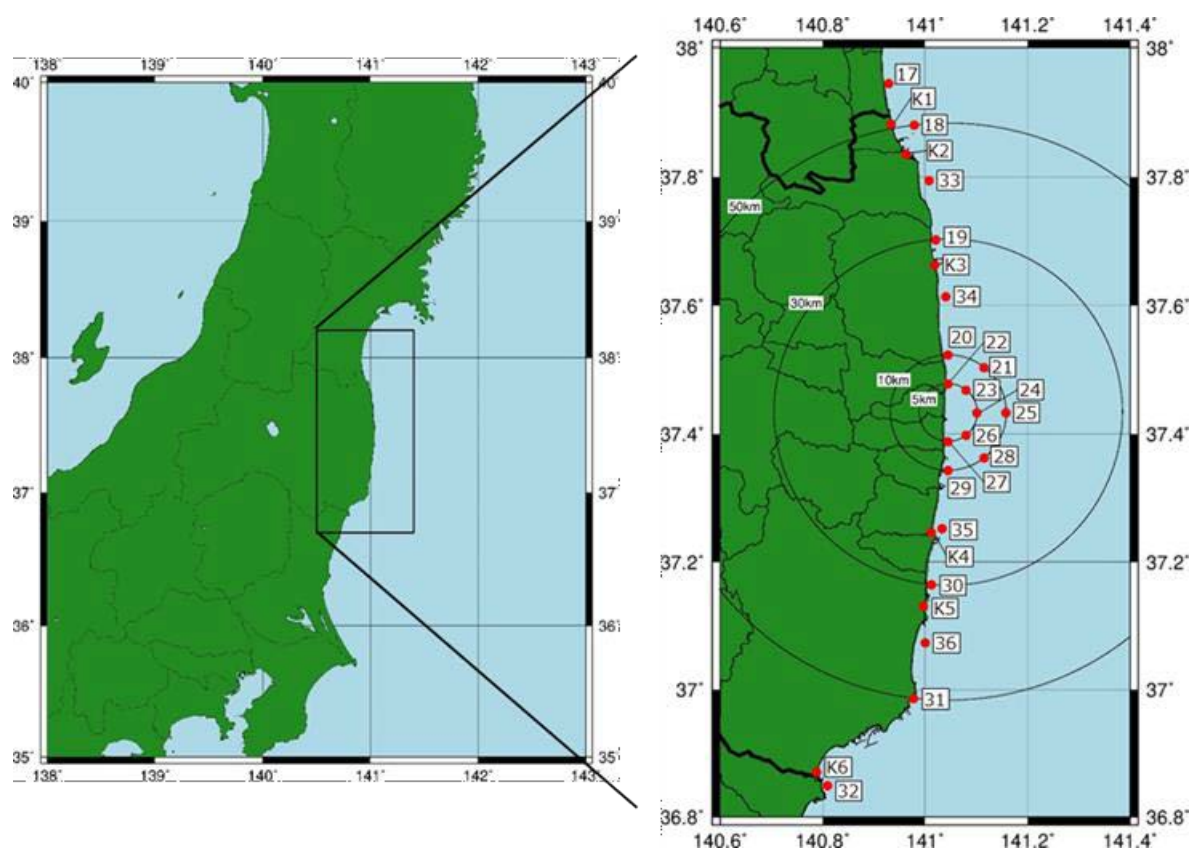


Fig. Sampling points beyond 3 km of the ALPS treated water discharge outlet
*“E-S” is omitted from labels in the map (e.g., E-S17 is marked as 17 and E-SK1 is marked as K1).
*Among numbers in the map, numbers that include “K” indicate sampling points at swimming beaches and other numbers indicate sampling points of coastal waters.

K1 : Tsurushihama beach

K2 : Haragama Obama beach

K3 : Kitaizumi beach

K4 : Iwasawa beach

K5 : Hisanohama Hattachi beach

K6 : Nakoso beach