

December 14, 2022

**Results of ALPS Treated Water Marine Monitoring:
Swimming beaches survey (tritium) (July, 2022)**

1. Outline of survey

(1) Date of sampling

July 28, 2022

(2) Sampling points

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

(3) Detail of the survey

Measurements of radioactive material concentration in seawater (tritium)

2. Outline of results

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

Concentrations of tritium in seawater (with a target lower limit of detection of 0.1 Bq/L) range from 0.061 Bq/L to 0.13 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.

(Detailed are attached)
(Maps attached)

Attachment

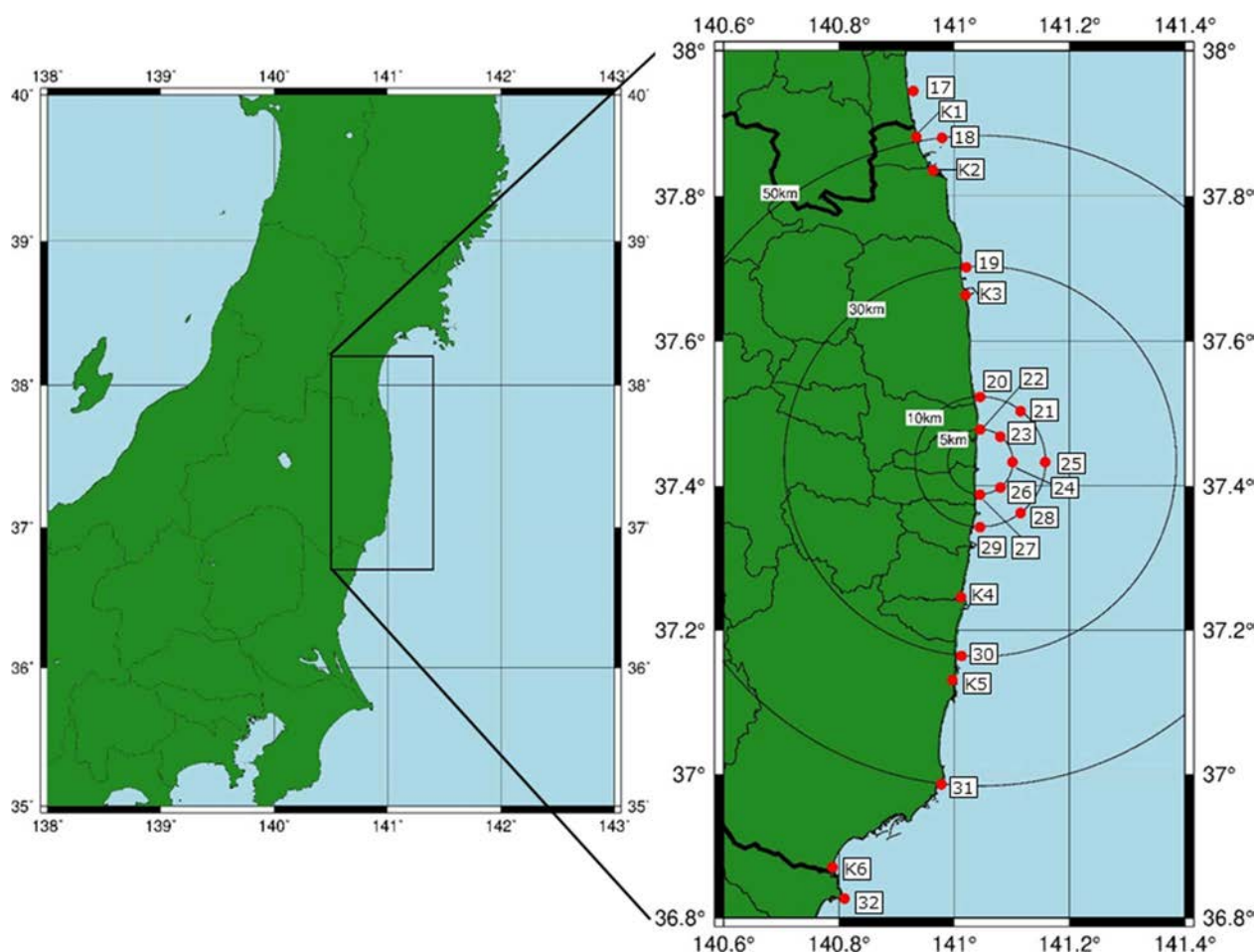
Analysis results for tritium in seawater at swimming beaches

Sampling point	Sampling date (yyyy/mm/dd)	Sampling layer	Sampling depth (m)	Nuclide	Radioactivity concentration ^{*1,*2}		Unit
E-SK1	2022/07/28	Surface layer	-	H-3	0.13	± 0.023	Bq/L
E-SK2	2022/07/28	Surface layer	-	H-3	0.11	± 0.022	Bq/L
E-SK3	2022/07/28	Surface layer	-	H-3	0.11	± 0.022	Bq/L
E-SK4	2022/07/28	Surface layer	-	H-3	0.061	± 0.020	Bq/L
E-SK5	2022/07/28	Surface layer	-	H-3	0.12	± 0.022	Bq/L
E-SK6	2022/07/28	Surface layer	-	H-3	0.079	± 0.021	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).

(Attachment)



*“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.

Fig. Sampling points beyond 3 km of the proposed location of the ALPS treated water discharge outlet (including sampling points on southern coastal waters in the Miyagi Prefecture and northern coastal waters in the Ibaraki Prefecture, and six sampling points at swimming beaches)