

February 21, 2024

**Results of ALPS Treated Water Marine Monitoring:  
Marine biota survey (iodine-129 in seaweed) (October, 2023)**

**1. Outline of survey**

(1) Date of sampling

October 18, 2023

(2) Sampling points

2 sampling points on coastal waters in the Fukushima Prefecture (Ukedo fishing port and Tomioka fishing port)

(3) Detail of the survey

- Measurements of radioactive material concentration (iodine-129) in marine biota (seaweed) with a target lower limit of detection at 0.1 Bq/kg-fresh.

\* 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) Marine biota survey (2 sampling points [4 samples] in coastal waters in the Fukushima Prefecture)

Concentrations of iodine-129 in the marine biota (seaweed) correspond to below the lower limit of detection in all samples.

(Detailed are attached)

(Maps attached)

## Analysis results for iodine-129 in marine biota (seaweed)

Sampling point	Sampling date (yyyy/mm/dd)	Species	Sampling depth (m)	Nuclide	Radioactivity concentration <sup>*1,*2</sup>	Unit
E-SW1	2023/10/18	<i>Ahnfeltiopsis paradoxa</i>	-	I-129	< 0.08	Bq/kg-fresh
E-SW1	2023/10/18	<i>Chondrus giganteus</i>	-	I-129	< 0.07	Bq/kg-fresh
E-SW2	2023/10/18	<i>Eisenia bicyclis</i>	-	I-129	< 0.07	Bq/kg-fresh
E-SW2	2023/10/18	<i>Ahnfeltiopsis paradoxa</i>	-	I-129	< 0.07	Bq/kg-fresh

\*1 Radioactivity concentrations are presented as radioactivity concentration  $\pm$  combined standard uncertainty.

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

(Attachment)

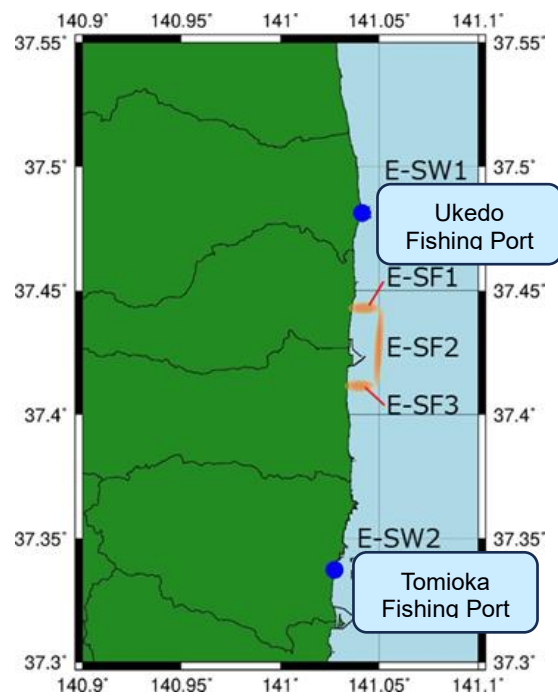


Fig. 1: Sampling points of marine biota (fish and seaweed)