

Enabling Sea Area Monitoring Data for Fukushima Prefecture to be seen at a glance

ORBS

Overarching Radiation-monitoring data Browsing System in the coastal ocean of Japan

Sea area monitoring data disclosed by TEPCO, related ministries and agencies, as well as local governments, has been gathered on a map, enabling all the radioactive substance concentrations in seawater and fish, etc., from various locations in the coastal waters of Fukushima Prefecture to be viewed together.

To provide this comprehensive data to the general public,

we have launched a website called

“Overarching Radiation-monitoring data Browsing System in the coastal ocean of Japan (ORBS)”.

Available in Japanese, English, Chinese, and Korean.

Overarching Radiation-monitoring data Browsing System in the coastal ocean of Japan (ORBS)

日本語	English	中文(简体)
中文(繁體/臺灣)	中文(繁體/香港)	한국어

Quick measurements map

This website allows users to unitarily observe results obtained from integration of sea area monitoring data in reports published by various organizations. Please go to [this link](#) for international and national guidance levels of each radioactive isotope. Carefully read and agree to the Terms of Use before using the website.

The screenshot shows a map of the Fukushima coastal area with various monitoring data points. A filter menu is open on the right, showing options for Seawater and Fishes, with checkboxes for Fukushima Pref., Ministry of the Environment, NRA, and TEPCO. There are also options for Discharge outlet and Latitude and longitude line.

Also available on smartphones

How to access ORBS

Use a search engine

TEPCO ORBS

Search

Use the QR code



Use the URL

<https://www.monitororbs.jp/en/>

ORBS : How to Use It and What It Provides

1 Select your desired language.

Switch the display language as needed to view measurement results.

Supported languages

- Japanese
- English
- Chinese (simplified)
- Chinese (traditional/Taiwan)
- Chinese (traditional/Hong Kong)
- Korean



2 Select a location.



Obtain current information.

Radioactive substance concentrations, name of the sampling organization, and other information will be displayed.

Sampling location: Around 10km offshore of 1F site (T-B3)
 Sampling position: 37°24'28"N/141°09'15"E
 Sample: Seawater

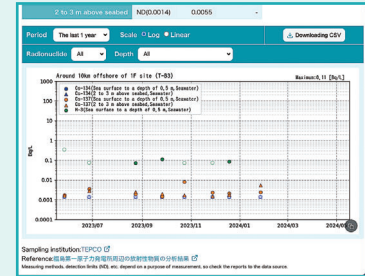
	Unit: Bq/L
Date of sampling	2024/1/27 2024/1/27 2023/12/19
Sea surface to a depth of 0.5 m	ND(0.0014) 0.0024 0.067
2 to 3 m above seabed	ND(0.0014) 0.0055 -

Sampling institution: TEPCO
 Reference: 福島第一原子力発電所周辺の放射性物質の分析結果
 Measuring methods, detection limits (ND), etc. depend on a purpose of measurement, so check the reports to the data source.



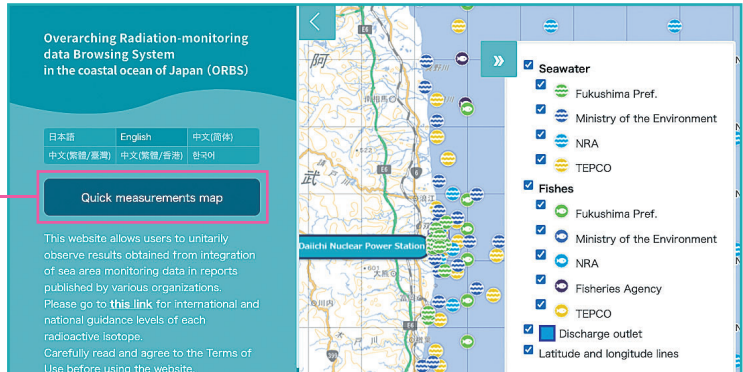
See past data.

Past values are displayed on a graph. Downloadable in CSV format.



Quick measurements map

To quickly ascertain the tritium conditions in seawater, data measured by the sampling organizations after the start of ALPS treated water discharge with a detection limit of approximately 10 Bq/liter (kg) have been disclosed.



Currently available information

Sampling locations

Sea areas off the coast of Fukushima Prefecture

Sampling organizations

Fukushima Prefecture, Ministry of the Environment, Nuclear Regulation Authority, Fisheries Agency, TEPCO

Sampled items

Seawater, fish

Targeted nuclides

Tritium, Cesium-134, Cesium-137



For information on ALPS treated water
 ▶ **[Treated Water Portal Site]**
<https://www.tepco.co.jp/en/decommission/progress/watertreatment/index-e.html>



For results of sea area monitoring conducted by TEPCO
 ▶ **[Sea Area Monitoring Results]**
<https://www.tepco.co.jp/en/decommission/progress/watertreatment/monitoring/index-e.html>