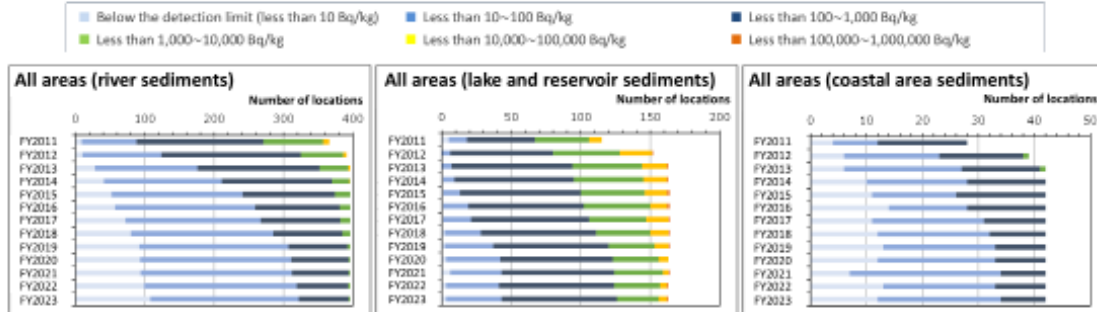


Results of the Survey of Radioactive Cesium Concentrations in Sediments

Using the data for locations where continuous monitoring has been conducted, fluctuations in concentration distributions by location were confirmed by the following methods: Using the monitoring results regarding radioactive cesium (total of Cs-134 and Cs-137) for all locations, average concentrations (arithmetic average; monitoring results below the detection limit were treated as zero) were calculated for individual locations, and the averages for individual locations thus obtained were categorized into six levels by concentration.



Locations categorized into the high concentration segment have decreased over time. In FY2023, the average concentrations were below the detection limit at **108 locations (27.3%)**, 10 Bq/kg or more but less than 100 Bq/kg at **214 locations (54.0%)**, and 100 Bq/kg or more but less than 1,000 Bq/kg at **72 locations (18.2%)**. Locations where the average was less than 100 Bq/kg accounted for approximately 81% of the total.

Locations categorized into the high concentration segment have decreased over time, but the decrease is more moderate compared with that in the average concentrations in river sediments. In FY2023, the average concentrations were below the detection limit at **3 locations (1.8%)**, 10 Bq/kg or more but less than 100 Bq/kg at **40 locations (24.5%)**, and 100 Bq/kg or more but less than 1,000 Bq/kg at **83 locations (50.9%)**. Locations where the average was less than 1,000 Bq/kg accounted for approximately 77% of the total.

There have been no locations categorized into the high concentration segment. In FY2023, the average concentrations were below the detection limit at **12 locations (29.3%)**, 10 Bq/kg or more but less than 100 Bq/kg at **21 locations (51.2%)**, and 100 Bq/kg or more but less than 1,000 Bq/kg at **8 locations (19.5%)**. Locations where the average was less than 100 Bq/kg accounted for approximately 80% of the total.

Prepared based on the materials for the second meeting in FY2024 of the Evaluation and Review Panel on Constant Radioactive Material Monitoring in Water Environment (MDE) [https://www.env.go.jp/air/mcm/conf_em2/r0511.html]

Following the previous year, radioactive cesium concentrations in river sediments, lake and reservoir sediments, and coastal area sediments were surveyed in FY2023.

Survey results are as shown above.

Included in this reference material on March 31, 2025