

# Environmental Monitoring results and analyses

---- The 4<sup>th</sup> Quarter of FY2021 ---  
(From January 1 to March 31, 2022)

April 25, 2022

The Nuclear Regulation Authority, Japan

In accordance with the “Comprehensive Radiation Monitoring Plan”, the relevant organizations released the monitoring data in the period from January 1 to March 31, 2022 and analyzed them. This monitoring scheme aims to make a continuous measurement of air dose rates and the concentration of radioactive materials in the environment in Fukushima prefecture and other areas across Japan for overseeing their fluctuations after the TEPCO Fukushima Daiichi accident.

## **【Fukushima Prefecture】**

- Air dose rates : in a decreasing trend ; no significant variation observed
- Concentrations of radioactive materials in the air : in a decreasing trend ; no significant variation observed
- Concentrations of radioactive materials in monthly deposition : in a decreasing trend ; no significant variation observed
- Concentrations of radioactive materials in seawater : in a decreasing trend ; no significant variation observed
- Concentrations of radioactive materials in sea sediment : in a decreasing trend ; no significant variation observed

## **【Other areas in Japan】**

- Air dose rates : fluctuating only a little around the same level before the accident ; no significant variation observed
- Concentrations of radioactive materials in monthly deposition : in a decreasing trend ; no significant variation observed
- Concentrations of radioactive materials in sea area : in a decreasing trend ; no significant variation observed

- The above-mentioned “significant variation” means a “change different from the trend in the past”.
- Refer to the following URL for detailed information including attached materials:  
<https://www.nsr.go.jp/activity/monitoring/monitoring2-2.html>
- Refer to the following URL for monitoring results:  
<https://radioactivity.nsr.go.jp/ja/index.html>
- Refer to the Appendix for detailed information and the Attached Document for basic data.

# Environmental Monitoring results and analyses (detailed)

---- The 4<sup>th</sup> Quarter of FY2021 ---  
(From January 1 to March 31, 2022)

April 25, 2022

The Nuclear Regulation Authority, Japan

In accordance with the “Comprehensive Radiation Monitoring Plan”, the relevant organizations released the monitoring data in the period from January 1 to March 31, 2022 and analyzed them. This monitoring scheme aims to make a continuous measurement of air dose rates and the concentrations of radioactive materials in the environment in Fukushima prefecture and other areas across Japan for overseeing their fluctuations after the TEPCO (Tokyo Electric Power Company) Fukushima Daiichi accident.

## I. Environmental Monitoring (land/sea) in Fukushima prefecture

### 【 Terrestrial area 】

#### 1 Air dose rates

**The air doses rates were in a decreasing trend and no significant variation was observed in this quarter.**

##### ( i ) Air dose rates

Responsible organizations: NRA (The Nuclear Regulation Authority) and  
Fukushima prefectural government

Measuring period : January 1 - March 31, 2022

Measuring points : Fukushima prefecture

Measuring method : Measurement using monitoring posts

Monitoring results : Refer to the following URL:

<https://www.erms.nsr.go.jp/nra-ramis-webg/> (Air dose rates across Japan)

##### ( ii ) Car-borne monitoring

Monitoring results : Refer to the following URLs:

Responsible organizations: Cabinet Office

<https://www.meti.go.jp/earthquake/nuclear/release.html>

Responsible organizations: Fukushima prefectural government

<https://www.pref.fukushima.lg.jp/site/portal/ps-soukou.html>

##### ( iii ) Airborne monitoring

Monitoring results : Refer to the following URL:

Responsible organizations: NRA

<https://radioactivity.nsr.go.jp/en/list/307/list-1.html>

(iv) Precise monitoring in zones under evacuation orders and zones where evacuation orders have been lifted

Monitoring results : Refer to the following URL:

Responsible organizations: NRA

<https://radioactivity.nsr.go.jp/ja/contents/13000/12476/view.html>

(v) Accumulated doses

Responsible organizations: NRA (The Nuclear Regulation Authority)

Measuring period : September 28 - December 23, 2021 (Accumulated day: 85 days)

Measuring points : beyond 20 km from Fukushima Daiichi NPS (14 points)

Measuring method : Measurement using glass badge dosimeters

Monitoring results : Less than lower limit of measurement (0.1 mSv) – 3.1 mSv/3months

(Refer to Attached Document page 1)

Previous data : Less than lower limit of measurement – 3.5 mSv/3months

(July - September, 2021)

Less than lower limit of measurement – 3.9 mSv/3months

(July, 2020 - June, 2021)

## 2 Concentrations of radioactive materials in air

**The concentrations of radioactive materials in air were in a decreasing trend and no significant variation was observed in this quarter.**

(All results in the monitoring period were under the level of concentration limit <sup>(Note 1)</sup> specified by the law related to nuclear regulation in Japan)

① Within 20 km from Fukushima Daiichi NPS (6 sampling points)

Responsible organization : NRA

Sampling period : November 9, 2021 – January 13, 2022

Monitoring results : Activity concentrations of Cs-134 were all “ND”(not detected) ;  
Cs-137 were from ND to 0.00025 Bq/m<sup>3</sup>.

(Refer to Attached Document pages 2-4)

Previous data : Activity concentrations of Cs-134 were all ND ;

Cs-137 were from ND to 0.00033 Bq/m<sup>3</sup>. (August - October, 2021)

Cs-134 were from ND to 0.000055 Bq/m<sup>3</sup> ;

Cs-137 were from ND to 0.0012 Bq/m<sup>3</sup>. (August, 2020 - July, 2021)

② Beyond 20 km from Fukushima Daiichi NPS (5 sampling points)

Responsible organizations : NRA, Fukushima prefectural government

Sampling period : November 4, 2021 - January 20, 2022

Monitoring results : Activity concentrations of Cs-134 were all ND ;  
Cs-137 were from ND to 0.000095 Bq/m<sup>3</sup>.

(Refer to Attached Document pages 6-8)

Previous data : Activity concentrations of Cs-134 were all ND.

Cs-137 were from ND to 0.000076 Bq/m<sup>3</sup>. (August - October, 2021)

Cs-134 were from ND to 0.000067 Bq/m<sup>3</sup> ;

Cs-137 were from ND to 0.0011 Bq/m<sup>3</sup>. (August, 2020 - July, 2021)

### 3 Concentrations of radioactive materials in monthly deposition

**The concentrations of radioactive materials in monthly deposition were in a decreasing trend and no significant change was observed in this quarter.**

( i ) Responsible organization: Fukushima prefectural government

Sampling period: December, 2021 - February, 2022

Sampling points: Fukushima prefecture (Fukushima city)

Analytical method: Measurement after evaporating all monthly samples

Monitoring Results:

Activity concentrations of Cs-134 were from 0.32 to 1.0 MBq/km<sup>2</sup>/month ;

Cs-137 were from 9.1 to 28 MBq/km<sup>2</sup>/month.

(See Attached Document pages 10-12)

The trends of activity concentrations are shown in the graphs.

(See Attached Document page 13)

## [Sea Area]

### 4 Concentrations of radioactive materials in seawater

**The concentrations of radioactive materials in seawater were in a decreasing trend and no significant variation was observed in this quarter.**

① Seawater near the Fukushima Daiichi NPS

· Cs-134 and Cs-137 analyses

(All results in the monitoring period were under the level of the concentration limit

[Note 1] specified by the law of Japan.)

( i ) Responsible organization: TEPCO

Sampling period: November 29, 2021 – February 21, 2022

Analytical method: Coprecipitation method using ammonium phosphomolybdate,  
sample amount: 20 L

Measurement time: 5,000 seconds

Monitoring result: Activity concentrations of Cs-134 were from ND to 0.020 Bq/L ;

Cs-137 were from 0.036 to 0.58 Bq/L.

(See Attached Document page 14)

The trends of activity concentrations are shown in the graphs.

(See Attached Document page 15)

- ( ii ) Responsible organization: NRA  
Sampling period: December 14, 2021 - January 15, 2022  
Analytical method: Coprecipitation method using ammonium phosphomolybdate,  
sample amount: 60 L  
Measurement time: 60,000 - 230,000 seconds  
Monitoring results: Activity concentrations of Cs-134 were from ND to 0.0011 Bq/L ;  
Activity concentrations of Cs-137 were from 0.0034 to 0.030 Bq/L.  
(See Attached Document page 16)

The trends of activity concentrations are shown in the graphs.

(See Attached Document page 17)

- ( iii ) Responsible organization: Fukushima prefectural government  
Sampling period: October 15 - December 14, 2021  
Analytical method: Coprecipitation method using ammonium phosphomolybdate,  
sample amount: 20 L  
Measurement time: 80,000 seconds  
Monitoring results: Activity concentrations of Cs-134 were from ND to 0.006 Bq/L ;  
Activity concentrations of Cs-137 were from 0.011 to 0.12 Bq/L.  
(See Attached Document page 18)

The trends of activity concentrations are shown in the graphs.

(See Attached Document page 19)

· H-3 analysis

- (All results in the monitoring period were under the level of the concentration limit [Note 1]  
specified by the law in Japan.)

- ( i ) Responsible organization: TEPCO  
Sampling period: December 6, 2021 – February 7, 2022  
Analytical method: Atmospheric distillation  
Sampling amount: 50 mL  
Measurement time: 5,400 seconds  
Monitoring results: Activity concentrations of H-3 were all ND.  
(See Attached Document page 14)

- ( ii ) Responsible organization: NRA  
Sampling period: October 7, 2021 - January 15, 2022  
Analytical method: Electrolytic enrichment technique  
Sampling amount: 500 mL  
Measurement time: 30,000 seconds  
Monitoring results: Activity concentrations of H-3 were from ND to 0.32 Bq/L.  
(See Attached Document page 16)

The trends of activity concentrations from November, 2013 to the end of FY2020 are shown in the graphs.

(See Attached Document page 31)

- (iii) Responsible organization: Fukushima prefectural government  
Sampling period: October 15 – December 14, 2021  
Analytical method: Reduced-pressure distillation  
Sampling amount: 50 mL  
Measurement time: 30,000 seconds  
Monitoring results: Activity concentrations of H-3 were from ND to 0.46 Bq/L.  
(See Attached Document page 18)

· Sr-90 analysis

(All results in the monitoring period were under the level of the concentration limit [Note 1] specified by the law in Japan.)

- ( i ) Responsible organization: TEPCO  
Sampling period: December 6, 2021 - February 7, 2022  
Analytical method: Y-90 milking method  
Sampling amount: 40 L  
Measurement time: 6,000 seconds  
Monitoring results: Activity concentrations of Sr-90 were from 0.0014 to 0.0062 Bq/L.  
(See Attached Document page 14)

The trends of activity concentrations are shown in the graphs.

(See Attached Document page 15)

- ( ii ) Responsible organization: NRA  
Sampling period: November 4, 2021 - January 15, 2022  
Analytical method: Y-90 milking method  
Sampling amount: 40 L  
Measurement time: 6,000 seconds  
Monitoring results: Activity concentrations of Sr-90 were from 0.00070 to 0.0027 Bq/L.  
(See Attached Document page 16)

The trends of activity concentrations are shown in the graphs.

(See Attached Document page 17)

- (iii) Responsible organization: Fukushima prefectural government  
Sampling period: October 15 - December 14, 2021  
Analytical method: Y-90 milking method  
Sampling amount: 50 L  
Measurement time: 3,600 seconds  
Monitoring results: Activity concentrations of Sr-90 were from 0.0006 to 0.0076 Bq/L.  
(See Attached Document page 18)

The trends of activity concentrations are shown in the graphic charts.

(See Attached Document page 19)

Refer to the following URL for the result of daily measurement, etc.

Responsible organizations: TEPCO

<https://radioactivity.nsr.go.jp/en/list/246/list-1.html>

② Radioactivity concentration in seawater around Fukushima Daiichi NPS

• Cs-134 and Cs-137 Analysis

( i ) Responsible organization: TEPCO

Sampling period: November 29, 2021 – February 22, 2022

Analysis method: Coprecipitation method using ammonium phosphomolybdate

Sample amount: 30 L

Measuring time: 5,000 - 80,000 seconds

Monitoring results: Activity concentrations of Cs-134 were from ND to 0.0018 Bq/L ;  
Cs-137 were from 0.0012 to 0.041 Bq/L.

(See Attached Document pages 21-24)

The trends of activity concentrations at the main points are shown in the graphs.

(See Attached Document page 25)

( ii ) Responsible organization: NRA

Sampling period: December 14, 2021 - January 15, 2022

Analytical method: Coprecipitation method using ammonium phosphomolybdate,  
sample amount: 60 L

Measurement time: 60,000 - 230,000 seconds

Monitoring results: Activity concentrations of Cs-134 were all ND ;

Activity concentrations of Cs-137 were from 0.0025 to 0.0091 Bq/L.

(See Attached Document page 26)

The trends of activity concentrations are shown in the graphs.

(See Attached Document page 27)

( iii ) Responsible organization: Fukushima prefectural government

Sampling period: October 15 - December 14, 2021

Analysis method: Coprecipitation method using ammonium phosphomolybdate

Sample amount: 20 L

Measuring time: 80,000 seconds

Monitoring results: Activity concentrations of Cs-134 were all ND ;

Activity concentrations of Cs-137 were from 0.006 to 0.022 Bq/L.

(See Attached Document page 28)

The trends of concentrations at the main points are shown in the graphs.

(See Attached Document page 29)

• H-3 Analysis

( i ) Responsible organization: TEPCO

Sampling period: December 6, 2021- February 15, 2022

Analysis method: Atmospheric-pressure distillation

Sample amount: 50 mL

Measuring time: 42,000 seconds

Monitoring results: Activity concentrations of H-3 were from ND to 0.39 Bq/L.

(See Attached Document pages 21-23)

- ( ii ) Responsible organization: NRA  
 Sampling period: October 7, 2021- January 15, 2022  
 Analytical method: Electrolytic enrichment technique  
 Sampling amount: 500 mL  
 Measurement time: 30,000 seconds  
 Monitoring results: Activity concentrations of H-3 were from ND to 0.18 Bq/L.  
 (See Attached Document page 26)
- The trends of activity concentrations from November, 2013 to the end of FY2020 are shown in the graphs. (See Attached Document page 31)
- ( iii ) Responsible organization: Fukushima prefectural government  
 Sampling period: October 15 - December 14, 2021  
 Analysis method: Reduced-pressure distillation  
 Sample amount: 50 mL  
 Measuring time: 30,000 seconds  
 Monitoring results: Activity concentrations of H-3 were all ND.  
 (See Attached Document page 28)
- Sr-90 Analysis
- ( i ) Responsible organization: TEPCO  
 Sampling period: December 6, 2021 - February 1, 2022  
 Analysis method: Y-90 milking method  
 Sample amount: 40 L  
 Measuring time: 6,000 seconds  
 Monitoring results: Activity concentrations of Sr-90 were from ND to 0.0022 Bq/L.  
 (See Attached Document pages 22-23)
- ( ii ) Responsible organization: NRA  
 Sampling period: November 4, 2021 - January 15, 2022  
 Analytical method: Y-90 milking method  
 Sampling amount: 40 L  
 Measurement time: 6,000 seconds  
 Monitoring results: Activity concentrations of Sr-90 were from 0.00067 to 0.00097 Bq/L.  
 (See Attached Document page 26)
- ( iii ) Responsible organization: Fukushima prefectural government  
 Sampling period: October 15 - December 14, 2021  
 Analysis method: Y-90 milking method  
 Sample amount: 50 L  
 Measuring time: 3,600 seconds  
 Monitoring result: Activity concentrations of Sr-90 were from 0.0007 to 0.0014 Bq/L.  
 (See Attached Document page 28)
- The trends of activity concentrations are shown in the graphs.  
 (See Attached Document page 29)
- ③ Radioactivity concentration in seawater at the other coast of Fukushima, at



coast of Miyagi and Ibaraki Prefecture

Monitoring results : Refer to the following URL:

Responsible organizations: TEPCO

<https://radioactivity.nsr.go.jp/en/list/245/list-1.html>

- ④ Radioactivity concentration in seawater at offshore Miyagi, Fukushima, Ibaraki and Chiba Prefecture

Monitoring results : Refer to the following URL:

Responsible organizations: NRA

<https://radioactivity.nsr.go.jp/en/list/292/list-1.html>

The trends of activity concentrations of H-3 from May, 2013 to the end of FY2020 are shown in the graphs. (See Attached Document page 32)

5 Concentrations of radioactive materials in sea sediment

**The concentrations of radioactive materials in sea sediment were in a decreasing trend and no significant variation was observed in this quarter.**

- ① Sea-sediment near the Fukushima Daiichi NPS

· Cs-134 and Cs-137 analyses

- ( i ) Responsible organization: TEPCO

Sampling period: December 6, 2021 - February 7, 2022

Monitoring results: Activity concentrations of Cs-134 were from 5.0 to 7.4 Bq/kg ;  
Cs-137 were from 140 to 240 Bq/kg.

(See Attached Document page 33)

The trends of activity concentrations are shown in the graphs.

(See Attached Document page 35)

- ( ii ) Responsible organization: Fukushima prefectural government

Sampling date: November 4, 2021

Monitoring results: Activity concentrations of Cs-134 were from ND to 9.9 Bq/kg ;  
Cs-137 were from 32 to 280 Bq/kg.

Activity concentrations of Sr-90 were from ND to 0.34 Bq/kg.

(See Attached Document page 38)

The trends of activity concentrations are shown in the graphs.

(See Attached Document page 40)

- ② Sea-sediment around the Fukushima Daiichi NPS

· Cs-134 and Cs-137 analyses

- ( i ) Responsible organization: TEPCO

Sampling period: December 6, 2021- February 24, 2022

Monitoring results: Activity concentrations of Cs-134 were from ND to 7.5 Bq/kg ;  
Cs-137 were from 1.8 to 420 Bq/kg.

(See Attached Document pages 33-34)

The trends of concentrations at the main points are shown in the graphs.

(See Attached Document page 36)

( ii ) Responsible organization: Fukushima prefectural government

Sampling date: November 4, 2021

Monitoring results: Activity concentrations of Cs-134 were from 1.3 to 3.3 Bq/kg ;  
Cs-137 were from 36 to 96 Bq/kg.

Activity concentrations of Sr-90 were all ND.

(See Attached Document page 39)

The trends of concentrations are shown in the graphs.

(See Attached Document page 40)

③ Radioactivity concentration in seawater at offshore of Miyagi, Fukushima, Ibaraki and Chiba Prefecture

Monitoring results : Refer to the following URL:

Responsible organizations: NRA

<https://radioactivity.nsr.go.jp/en/list/272/list-1.html>

## II. Nationwide Environmental Monitoring (land/sea) excluding Fukushima prefecture

1. Air dose rates (Responsible organization: NRA)

Refer to the following URL for nationwide air dose rates:

<https://www.erms.nsr.go.jp/nra-ramis-webg/>

Refer to the following URL for the locations of monitoring posts across Japan:

[https://radioactivity.nsr.go.jp/ja/contents/1000/211/0/Location\\_and\\_GPS\\_data\\_of\\_monitoring\\_posts\\_in\\_47\\_prefectures.pdf](https://radioactivity.nsr.go.jp/ja/contents/1000/211/0/Location_and_GPS_data_of_monitoring_posts_in_47_prefectures.pdf)

2. Concentrations of radioactive materials in monthly deposition  
(Monitoring results of radioactivity levels in the environment)  
(Monitoring points: 46 prefectures (excluding Fukushima prefecture)  
(Responsible organization: 46 prefectures (excluding Fukushima prefecture)

· Cs-134 and Cs-137 analyses

Sampling period: December, 2021- February, 2022

Analytical method: Measurement after evaporating all monthly samples

Monitoring results: Activity concentrations of Cs-134 were all ND ;

Activity concentrations of Cs-137 were from ND to 1.3 MBq/km<sup>2</sup>/month.

(See Attached Document pages 10-12)

3. Environmental monitoring related to radioactive materials in the disaster stricken areas of the Great East Japan Earthquake: Water areas for public use including rivers, lakes, ponds and

seacoasts

(Responsible organization: the Ministry of the Environment)

Monitoring results : Refer to the following URL:

[https://www.env.go.jp/jishin/monitoring/results\\_r-pw.html](https://www.env.go.jp/jishin/monitoring/results_r-pw.html)

#### 4. Sea Area Monitoring at the Outer Sea (Seawater)

Monitoring results : Refer to the following URLs:

Responsible organizations: NRA

<https://radioactivity.nsr.go.jp/en/list/291/list-1.html>

Responsible organization: Japan Coast Guard

<https://www1.kaiho.mlit.go.jp/KANKYO/OSEN/housha.html>

#### 5. Concentrations of radioactive materials at the entrance of Tokyo Bay

Monitoring results : Refer to the following URLs:

Responsible organizations: NRA

<https://radioactivity.nsr.go.jp/en/list/290/list-1.html>

Responsible organizations: the Ministry of the Environment

[https://www.env.go.jp/jishin/monitoring/results\\_r-pw.html](https://www.env.go.jp/jishin/monitoring/results_r-pw.html)

Responsible organization: Ministry of Land, Infrastructure, Transport and Tourism

<https://www.pa.ktr.mlit.go.jp/kyoku/radiation/index.htm>

### III. Other monitoring results

Monitoring results of foodstuff

Refer to the following URLs:

① The concentrations of radioactive materials in foodstuff:

[https://www.mhlw.go.jp/shinsai\\_jouhou/shokuhin.html](https://www.mhlw.go.jp/shinsai_jouhou/shokuhin.html)

② The concentrations of radioactive materials in marine products:

<https://www.jfa.maff.go.jp/j/housyanou/kekka.html>

③ Securing safety in the quality of alcoholic beverages against radioactive materials:

<https://www.nta.go.jp/taxes/sake/anzen/radioactivity.htm>

④ Inspections of radioactive materials in tap water:

[https://www.mhlw.go.jp/shinsai\\_jouhou/suidou.html](https://www.mhlw.go.jp/shinsai_jouhou/suidou.html)

For reference (TEPCO):

<https://www.tepco.co.jp/decommission/data/analysis/index-j.html>

[Note 1]

- Items stipulated in Notice No.8(Appendix No.1) issued by the NRA:

The authorized discharge limit as a concentration level of each radioactive material in seawater:

I-131 : 40 Bq/L、 Cs-134 : 60 Bq/L、 Cs-137 : 90 Bq/L、 Sr-90 : 30 Bq/L、 H-3 : 60,000 Bq/L

The authorized discharge limit as a concentration level of each radioactive material in air :

I-131 : 5 Bq/m<sup>3</sup>、 Cs-134 : 20 Bq/m<sup>3</sup>、 Cs-137 : 30 Bq/m<sup>3</sup>

福島第一原子力発電所の20km以遠の積算線量結果について(ガラスバッジによる測定)  
Readings of Accumulated Dose at Reading points out of 20 km Zone of Fukushima Dai-ichi NPP (measured by glass badge dosimeter)

令和4年2月1日  
原子力規制委員会

Feb 1, 2022  
Nuclear Regulation Authority (NRA)

ガラスバッジによる値

Value measured by glass badge dosimeter

測定場所(福島第一原子力発電所からの距離) Reading point (length from Fukushima Dai-ichi NPP)	測定開始年月日 Measurement Start Date	9月の回収年月日 Collection Date	9月末までの積算日数 Accumulated Day (x)	9月末までの積算数値 Reading of Accumulated Dose (a) (mSv)	回収年月日 Collection Date	10~12月の積算日数 Accumulated Day (y)	10~12月の積算数値 Reading of Accumulated Dose (b) (mSv)	12月末までの総積算日数 Accumulated Day (z = x + y)	12月末までの総積算数値 Reading of Accumulated Dose (c = a + b) (mSv)
【31】 双葉郡浪江町津島(30km西北西) Futaba county Namie town Tsushima (30km West/North/West)	2011/3/23	2021/9/29	3842	241.3	2021/12/23	85	0.6	3927	241.9
【32】 双葉郡浪江町赤宇木(32km北西) Futaba county Namie town Akougi (32km North/West)	2011/3/23	2021/9/29	3842	594.6	2021/12/23	85	3.1	3927	597.7
【33】 相馬郡飯館村長泥(33km北西) Soma county litate village Nagadoro (33km North/West)	2011/3/23	2021/9/29	3842	316.3	2021/12/23	85	1.6	3927	317.9
【34】 双葉郡浪江町津島(30km西北西) Futaba county Namie town Tsushima (30km West/North/West)	2011/4/26	2021/9/29	3809	111.3	2021/12/23	85	0.6	3894	111.9
【38】 いわき市四倉町中島(34km南南西) Iwaki city Yotsukura town Nakajima (34km South/South/West)	2011/3/31	2021/9/28	3834	11.0	2021/12/22	85	0.1	3919	11.1
【71】 双葉郡広野町下浅見川(23km南) Futaba county Hirono town Shimoasamigawa (23km South)	2011/5/1	2021/9/28	3804	8.8	2021/12/22	85	有効測定範囲の下限值 (0.1mSv)未満 Less than lower limit of measurement (0.1mSv)	3889	8.8
【79】 双葉郡浪江町下津島(29km西北西) Futaba county Namie town Shimotsushima (29km West/North/West)	2011/3/23	2021/9/29	3842	260.8	2021/12/23	85	0.8	3927	261.6
【7】 南相馬市鹿島区寺内(32km北) Minamisoma city Kashima ward Terauchi (32km North)	2011/3/23	2021/9/29	3842	14.2	2021/12/23	85	0.1	3927	14.3
【1】 福島市杉妻町(62km北西) Fukushima city Sugitsuma town (62km North/West)	2011/3/23	2021/9/29	3842	15.3	2021/12/23	85	0.1	3927	15.4
【39】 相馬市山上(41km北北西) Soma city Yamakami (41km North/North/West)	2011/4/1	2021/9/29	3834	9.4	2021/12/23	85	有効測定範囲の下限值 (0.1mSv)未満 Less than lower limit of measurement (0.1mSv)	3919	9.4
【84】 いわき市三和町差塩(39km南西) Iwaki city Miwa town Saiso (39km South/West)	2016/3/28	2021/9/28	2010	1.1	2021/12/22	85	有効測定範囲の下限值 (0.1mSv)未満 Less than lower limit of measurement (0.1mSv)	2095	1.1
【76】 双葉郡川内村上川内(22km西南西) Futaba county Kawauchi village Kamikawauchi (22km West/South/West)	2016/3/28	2021/9/28	2010	2.1	2021/12/22	85	0.1	2095	2.2
【80】 南相馬市原町区高見町(24km北) Minamisoma city Haramachi ward Takami town (24km North)	2011/4/3	2021/9/28	3831	9.9	2021/12/22	85	0.1	3916	10.0
【21】 双葉郡葛尾村上野川(31km西北西) Futaba county Katsurao village Kaminogawa (31km West/North/West)	2011/4/1	2021/9/28	3833	62.9	2021/12/22	85	0.2	3918	63.1

福島第一原子力発電所20km圏内の大気浮遊じんの放射性物質濃度測定結果

Readings of dust samplings in 20km Zone of Fukushima Dai-ichi NPP

令和4年3月1日 Mar 1, 2022  
原子力規制委員会 NRA

採取地点 Sampling Point	更新 Data updated	試料採取期間 Sampling period	放射性物質濃度 Radioactivity (Bq/m <sup>3</sup> ) * (検出限界値 Minimum Detectable Activity (Bq/m <sup>3</sup> ))			空間線量率 Air dose rate ( $\mu$ Sv/h)	備考 Remarks
			Cs-134	Cs-137	その他の人工核種 Other anthropogenic radionuclides		
60 南相馬市小高区本町 Minamisoma city Odaka ward Motomachi	○	2022/1/11 12:20 ~ 2022/1/13 12:20	ND (0.000028)	ND (0.000028)	ND	0.10	
		2021/12/14 12:26 ~ 2021/12/16 12:26	ND (0.000029)	0.000048 $\pm$ 0.0000088	ND	0.09	
		2021/11/9 12:37 ~ 2021/11/11 12:37	ND (0.000027)	ND (0.000027)	ND	0.09	
		2021/10/12 12:39 ~ 2021/10/14 12:39	ND (0.000028)	ND (0.000026)	ND	0.10	
		2021/9/14 12:10 ~ 2021/9/16 12:10	ND (0.000025)	ND (0.000027)	ND	0.09	
		2021/8/10 12:25 ~ 2021/8/12 12:25	ND (0.000026)	ND (0.000027)	ND	0.09	
		2021/7/13 13:03 ~ 2021/7/15 13:03	ND (0.000026)	0.000032 $\pm$ 0.0000077	ND	0.08	
		2021/6/8 12:54 ~ 2021/6/10 12:54	ND (0.000027)	0.000059 $\pm$ 0.000010	ND	0.10	
		2021/5/11 12:30 ~ 2021/5/13 12:30	ND (0.000027)	ND (0.000026)	ND	0.09	
		2021/4/13 12:45 ~ 2021/4/15 12:45	ND (0.000025)	ND (0.000025)	ND	0.09	
61 双葉郡浪江町大字幾世橋 Futaba county Namie town oaza Kiyohashi	○	2022/1/11 11:53 ~ 2022/1/13 11:53	ND (0.000031)	0.000049 $\pm$ 0.0000094	ND	0.08	
		2021/12/14 11:58 ~ 2021/12/16 11:58	ND (0.000030)	0.000092 $\pm$ 0.000010	ND	0.07	
		2021/11/9 12:13 ~ 2021/11/11 12:13	ND (0.000026)	0.000081 $\pm$ 0.0000095	ND	0.07	
		2021/10/12 12:12 ~ 2021/10/14 12:12	ND (0.000026)	0.000042 $\pm$ 0.0000088	ND	0.09	
		2021/9/14 11:44 ~ 2021/9/16 11:44	ND (0.000027)	0.00033 $\pm$ 0.000013	ND	0.07	
		2021/8/10 12:01 ~ 2021/8/12 12:01	ND (0.000028)	0.00031 $\pm$ 0.000013	ND	0.07	
		2021/7/19 12:52 ~ 2021/7/21 12:52	0.000046 $\pm$ 0.0000093	0.0010 $\pm$ 0.000021	ND	0.06	
		2021/6/8 12:25 ~ 2021/6/10 12:25	ND (0.000028)	0.000073 $\pm$ 0.000011	ND	0.07	
		2021/5/11 12:11 ~ 2021/5/13 12:11	ND (0.000026)	0.000039 $\pm$ 0.0000090	ND	0.08	
		2021/4/13 12:29 ~ 2021/4/15 12:29	ND (0.000026)	0.000043 $\pm$ 0.0000090	ND	0.08	

採取地点 Sampling Point	更新 Data updated	試料採取期間 Sampling period	放射性物質濃度 Radioactivity (Bq/m <sup>3</sup> ) *			空間線量率 Air dose rate ( $\mu$ Sv/h)	備考 Remarks
			(検出限界値 Minimum Detectable Activity (Bq/m <sup>3</sup> ))				
			Cs-134	Cs-137	その他の人工核種 Other anthropogenic radionuclides		
62 双葉郡双葉町新山前沖 Futaba county Futaba town Shinzanmaeoki	○	2022/1/11 11:23 ~ 2022/1/13 11:23	ND (0.000030)	0.000096 ± 0.0000097	ND	0.25	
		2021/12/14 11:26 ~ 2021/12/16 11:26	ND (0.000029)	0.00025 ± 0.000013	ND	0.24	
		2021/11/9 11:36 ~ 2021/11/11 11:36	ND (0.000027)	0.000066 ± 0.0000096	ND	0.24	
		2021/10/12 11:35 ~ 2021/10/14 11:35	ND (0.000028)	0.000060 ± 0.0000095	ND	0.28	
		2021/9/14 11:17 ~ 2021/9/16 11:17	ND (0.000026)	0.000093 ± 0.000010	ND	0.24	
		2021/8/10 11:32 ~ 2021/8/12 11:32	ND (0.000026)	0.000081 ± 0.0000095	ND	0.22	
		2021/7/13 12:00 ~ 2021/7/15 12:00	ND (0.000026)	0.000059 ± 0.0000091	ND	0.24	
		2021/6/8 11:46 ~ 2021/6/10 11:46	ND (0.000028)	0.00035 ± 0.000014	ND	0.25	
		2021/5/11 11:16 ~ 2021/5/13 11:16	0.000055 ± 0.0000095	0.0012 ± 0.000022	ND	0.26	
		2021/4/13 11:57 ~ 2021/4/15 11:57	ND (0.000026)	0.000071 ± 0.0000093	ND	0.26	
63 双葉郡大熊町大字下野上 Futaba county Okuma town oaza Shimonogami	○	2022/1/11 11:00 ~ 2022/1/13 11:00	ND (0.000029)	0.000092 ± 0.000010	ND	0.40	
		2021/12/14 11:02 ~ 2021/12/16 11:02	ND (0.000031)	0.00010 ± 0.000010	ND	0.39	
		2021/11/9 11:11 ~ 2021/11/11 11:11	ND (0.000028)	0.000068 ± 0.0000095	ND	0.38	
		2021/10/12 11:10 ~ 2021/10/14 11:10	ND (0.000026)	0.00012 ± 0.000010	ND	0.41	
		2021/9/14 10:52 ~ 2021/9/16 10:52	ND (0.000029)	0.00015 ± 0.000011	ND	0.38	
		2021/8/10 11:10 ~ 2021/8/12 11:10	ND (0.000028)	0.000086 ± 0.000010	ND	0.37	
		2021/7/13 11:24 ~ 2021/7/15 11:24	ND (0.000027)	0.00017 ± 0.000012	ND	0.40	
		2021/6/8 11:14 ~ 2021/6/10 11:14	ND (0.000030)	0.00026 ± 0.000013	ND	0.41	
		2021/5/11 10:53 ~ 2021/5/13 10:53	ND (0.000029)	0.00010 ± 0.000010	ND	0.44	
		2021/4/13 11:33 ~ 2021/4/15 11:33	ND (0.000027)	0.00021 ± 0.000012	ND	0.44	

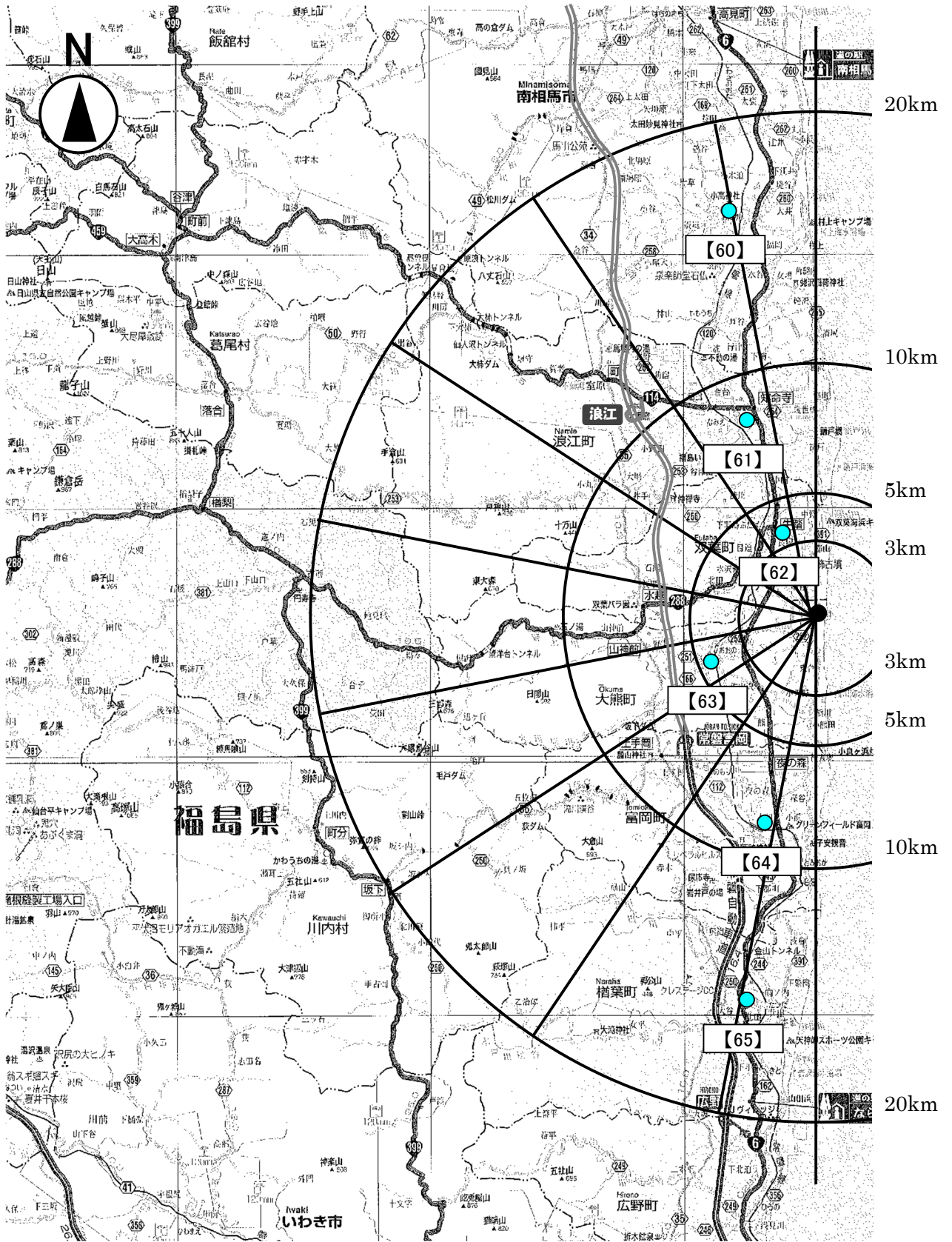
採取地点 Sampling Point	更新 Data updated	試料採取期間 Sampling period	放射性物質濃度 Radioactivity (Bq/m <sup>3</sup> ) *			空間線量率 Air dose rate ( $\mu$ Sv/h)	備考 Remarks
			(検出限界値 Minimum Detectable Activity (Bq/m <sup>3</sup> ))				
			Cs-134	Cs-137	その他の人工核種 Other anthropogenic radionuclides		
64 双葉郡富岡町大字本岡 Futaba county Tomioka town oaza Motooka	○	2022/1/11 10:30 ~ 2022/1/13 10:30	ND (0.000029)	0.000038 $\pm$ 0.0000092	ND	0.21	
		2021/12/14 10:30 ~ 2021/12/16 10:30	ND (0.000031)	0.000037 $\pm$ 0.0000089	ND	0.19	
		2021/11/9 10:33 ~ 2021/11/11 10:33	ND (0.000026)	ND (0.000026)	ND	0.19	
		2021/10/12 10:34 ~ 2021/10/14 10:34	ND (0.000028)	0.000087 $\pm$ 0.000011	ND	0.20	
		2021/9/14 10:20 ~ 2021/9/16 10:20	ND (0.000030)	0.000067 $\pm$ 0.0000096	ND	0.22	
		2021/8/10 10:37 ~ 2021/8/12 10:37	ND (0.000028)	0.000071 $\pm$ 0.0000097	ND	0.19	
		2021/7/13 10:45 ~ 2021/7/15 10:45	ND (0.000027)	0.000099 $\pm$ 0.0000095	ND	0.22	
		2021/6/8 10:38 ~ 2021/6/10 10:38	0.000033 $\pm$ 0.000010	0.000055 $\pm$ 0.000016	ND	0.20	
		2021/5/11 10:24 ~ 2021/5/13 10:24	ND (0.000029)	0.000051 $\pm$ 0.0000091	ND	0.22	
		2021/4/13 10:59 ~ 2021/4/15 10:59	ND (0.000028)	0.000025 $\pm$ 0.000012	ND	0.22	
65 双葉郡榎葉町大字北田 Futaba county Naraha town oaza Kitada	○	2022/1/11 10:05 ~ 2022/1/13 10:05	ND (0.000029)	ND (0.000026)	ND	0.11	
		2021/12/14 10:02 ~ 2021/12/16 10:02	ND (0.000030)	ND (0.000038)	ND	0.11	
		2021/11/9 10:05 ~ 2021/11/11 10:05	ND (0.000026)	ND (0.000028)	ND	0.11	
		2021/10/12 10:11 ~ 2021/10/14 10:11	ND (0.000028)	0.000033 $\pm$ 0.0000094	ND	0.11	
		2021/9/14 9:55 ~ 2021/9/16 9:55	ND (0.000026)	ND (0.000025)	ND	0.11	
		2021/8/10 10:12 ~ 2021/8/12 10:12	ND (0.000027)	ND (0.000028)	ND	0.11	
		2021/7/13 10:17 ~ 2021/7/15 10:17	ND (0.000027)	0.000043 $\pm$ 0.0000088	ND	0.11	
		2021/6/8 10:13 ~ 2021/6/10 10:13	ND (0.000029)	ND (0.000026)	ND	0.11	
		2021/5/11 10:00 ~ 2021/5/13 10:00	ND (0.000030)	ND (0.000027)	ND	0.11	
		2021/4/13 10:31 ~ 2021/4/15 10:31	ND (0.000028)	0.000056 $\pm$ 0.0000094	ND	0.11	

\* 「ND」は、測定値が検出限界値を下回った場合で、検出限界値を( )書きにて記載。

\* "ND" indicates the measured value was lower than each Minimum Detectable Activity shown in parenthesis.

[Abbreviation]  
NRA : Nuclear Regulation Authority





福島第一原子力発電所 20km 圏内の大気浮遊じん試料採取ポイント

Dust sampling points in 20km Zone of Fukushima Dai-ichi NPP.

番号は試料採取ポイントを示す。  
The numbers indicate the sampling points.

採取地点 Sampling Point	更新 Data updated	試料採取期間 Sampling period	放射性物質濃度 Radioactivity (Bq/m <sup>3</sup> )* (検出限界値 Minimum Detectable Activity (Bq/m <sup>3</sup> ))			空間線量率 Air dose rate ( $\mu$ Sv/h)	備考 Remarks
			Cs-134	Cs-137	その他の人工核種 Other anthropogenic radionuclides		
300 相馬市中村 Soma city Nakamura 43km北北西 43km North/North/West	○	2022/1/11 13:53 ~ 2022/1/13 13:53	ND (0.000026)	ND (0.000025)	ND	0.07	
		2021/12/13 14:20 ~ 2021/12/15 14:20	ND (0.000029)	ND (0.000027)	ND	0.07	
		2021/11/16 13:56 ~ 2021/11/18 13:56	ND (0.000027)	0.000027 ± 0.0000087	ND	0.07	
		2021/10/19 13:52 ~ 2021/10/21 13:52	ND (0.000029)	ND (0.000027)	ND	0.07	
		2021/9/13 13:50 ~ 2021/9/15 13:50	ND (0.000026)	ND (0.000027)	ND	0.06	
		2021/8/17 14:00 ~ 2021/8/19 14:00	ND (0.000027)	ND (0.000026)	ND	0.06	
		2021/7/19 14:13 ~ 2021/7/21 14:13	ND (0.000025)	ND (0.000024)	ND	0.06	
		2021/6/21 14:20 ~ 2021/6/23 14:20	ND (0.000026)	ND (0.000026)	ND	0.07	
		2021/5/18 14:23 ~ 2021/5/20 14:23	ND (0.000026)	ND (0.000029)	ND	0.06	
		2021/4/13 13:38 ~ 2021/4/15 13:38	ND (0.000025)	ND (0.000023)	ND	0.06	
301 二本松市針道 Nihonmatsu city Harimichi 44km西北西 44km West/North/West	○	2022/1/11 11:00 ~ 2022/1/13 11:00	ND (0.000026)	ND (0.000024)	ND	0.14	
		2021/12/13 10:56 ~ 2021/12/15 10:56	ND (0.000029)	ND (0.000027)	ND	0.14	
		2021/11/16 10:48 ~ 2021/11/18 10:48	ND (0.000026)	ND (0.000026)	ND	0.14	
		2021/10/19 11:00 ~ 2021/10/21 11:00	ND (0.000025)	ND (0.000025)	ND	0.14	
		2021/9/13 10:52 ~ 2021/9/15 10:52	ND (0.000026)	0.000045 ± 0.0000081	ND	0.14	
		2021/8/17 10:55 ~ 2021/8/19 10:55	ND (0.000027)	ND (0.000024)	ND	0.15	
		2021/7/19 10:47 ~ 2021/7/21 10:47	ND (0.000027)	ND (0.000023)	ND	0.15	
		2021/6/21 11:08 ~ 2021/6/23 11:08	ND (0.000026)	ND (0.000025)	ND	0.14	
		2021/5/18 11:07 ~ 2021/5/20 11:07	ND (0.000027)	0.000029 ± 0.0000094	ND	0.14	
		2021/4/13 10:48 ~ 2021/4/15 10:48	ND (0.000028)	0.000069 ± 0.0000088	ND	0.15	
302 双葉郡浪江町下津島 Futaba county Namie town Shimotsushima 29km西北西 29km West/North/West	○	2022/1/18 10:36 ~ 2022/1/20 10:36	ND (0.000026)	0.000042 ± 0.0000085	ND	0.54	
		2021/12/14 10:33 ~ 2021/12/16 10:33	ND (0.000030)	ND (0.000025)	ND	0.54	
		2021/11/17 10:36 ~ 2021/11/19 10:36	ND (0.000028)	0.000095 ± 0.000010	ND	0.53	
		2021/10/26 10:42 ~ 2021/10/28 10:42	ND (0.000027)	ND (0.000025)	ND	0.52	
		2021/9/14 10:42 ~ 2021/9/16 10:42	ND (0.000026)	0.000072 ± 0.0000097	ND	0.53	
		2021/8/24 10:42 ~ 2021/8/26 10:42	ND (0.000026)	0.000076 ± 0.0000093	ND	0.54	
		2021/7/27 10:38 ~ 2021/7/29 11:42	ND (0.000027)	0.000075 ± 0.0000092	ND	0.54	
		2021/6/22 10:40 ~ 2021/6/24 10:40	ND (0.000026)	0.000083 ± 0.0000093	ND	0.58	
		2021/5/25 11:10 ~ 2021/5/27 11:10	ND (0.000027)	0.00012 ± 0.000011	ND	0.58	
		2021/4/20 10:28 ~ 2021/4/22 10:28	ND (0.000027)	0.00038 ± 0.000014	ND	0.62	

採取地点 Sampling Point	更新 Data updated	試料採取期間 Sampling period	放射性物質濃度 Radioactivity (Bq/m <sup>3</sup> ) <sup>*</sup> (検出限界値 Minimum Detectable Activity (Bq/m <sup>3</sup> ))			空間線量率 Air dose rate ( $\mu$ Sv/h)	備考 Remarks
			Cs-134	Cs-137	その他の人工核種 Other anthropogenic radionuclides		
303 田村市船引町船引 Tamura city Funehiki town Funehiki 41km西 41km West	○	2022/1/18 13:44 ~ 2022/1/20 13:44	ND (0.000026)	ND (0.000024)	ND	0.10	
		2021/12/14 13:48 ~ 2021/12/16 13:48	ND (0.000030)	ND (0.000027)	ND	0.09	
		2021/11/17 13:42 ~ 2021/11/19 13:42	ND (0.000027)	ND (0.000025)	ND	0.10	
		2021/10/26 13:40 ~ 2021/10/28 13:40	ND (0.000028)	ND (0.000025)	ND	0.10	
		2021/9/14 13:56 ~ 2021/9/16 13:56	ND (0.000024)	ND (0.000025)	ND	0.10	
		2021/8/24 13:44 ~ 2021/8/26 13:44	ND (0.000026)	ND (0.000024)	ND	0.10	
		2021/7/27 13:45 ~ 2021/7/29 13:45	ND (0.000027)	ND (0.000024)	ND	0.10	
		2021/6/22 13:43 ~ 2021/6/24 13:43	ND (0.000028)	ND (0.000027)	ND	0.10	
		2021/5/25 14:01 ~ 2021/5/27 14:01	ND (0.000027)	ND (0.000028)	ND	0.11	
		2021/4/20 13:53 ~ 2021/4/22 13:53	ND (0.000026)	ND (0.000024)	ND	0.10	

\* 「ND」は、測定値が検出限界値を下回った場合で、検出限界値を( )書きにて記載。

\* "ND" indicates the measured value was lower than each Minimum Detectable Activity shown in parenthesis.

[Abbreviation]

NRA : Nuclear Regulation Authority

福島県による大気浮遊じん放射性物質濃度測定結果  
Readings of dust sampling by Fukushima Prefecture

令和4年3月1日 Mar 1, 2022  
原子力規制委員会 NRA

採取地点 Sampling Point	更新 Data updated	試料採取期間 Sampling period	放射性物質濃度 Radioactivity (Bq/m <sup>3</sup> ) * (検出限界値 Minimum Detectable Activity (Bq/m <sup>3</sup> ))			空間線量率 Air dose rate ( $\mu$ Sv/h)	備考 Remarks
			Cs-134	Cs-137	その他の人工核種 Other anthropogenic radionuclides		
1A 福島市方木田 Fukushima city Houkida 63km北西 63km North/West	○	2022/1/5 10:55 ~ 2022/1/6 10:55	ND (0.000040)	0.000074 ± 0.0000093	ND	測定せず Not measured	
		2021/12/3 9:35 ~ 2021/12/4 9:35	ND (0.000045)	ND (0.000030)	ND	測定せず Not measured	
		2021/11/4 14:25 ~ 2021/11/5 14:25	ND (0.000037)	ND (0.000028)	ND	測定せず Not measured	
		2021/10/4 13:20 ~ 2021/10/5 13:20	ND (0.000042)	ND (0.000030)	ND	測定せず Not measured	
		2021/9/10 10:15 ~ 2021/9/11 10:15	ND (0.000034)	0.000061 ± 0.0000088	ND	測定せず Not measured	
		2021/8/6 14:40 ~ 2021/8/7 14:40	ND (0.000034)	ND (0.000026)	ND	測定せず Not measured	
		2021/7/8 15:00 ~ 2021/7/9 15:00	ND (0.000038)	ND (0.000030)	ND	測定せず Not measured	
		2021/6/10 15:00 ~ 2021/6/11 15:00	ND (0.000036)	0.000072 ± 0.0000096	ND	測定せず Not measured	
		2021/5/20 13:30 ~ 2021/5/21 13:30	ND (0.000041)	0.000055 ± 0.0000088	ND	測定せず Not measured	
		2021/4/6 10:00 ~ 2021/4/7 10:00	ND (0.000048)	ND (0.000037)	ND	測定せず Not measured	

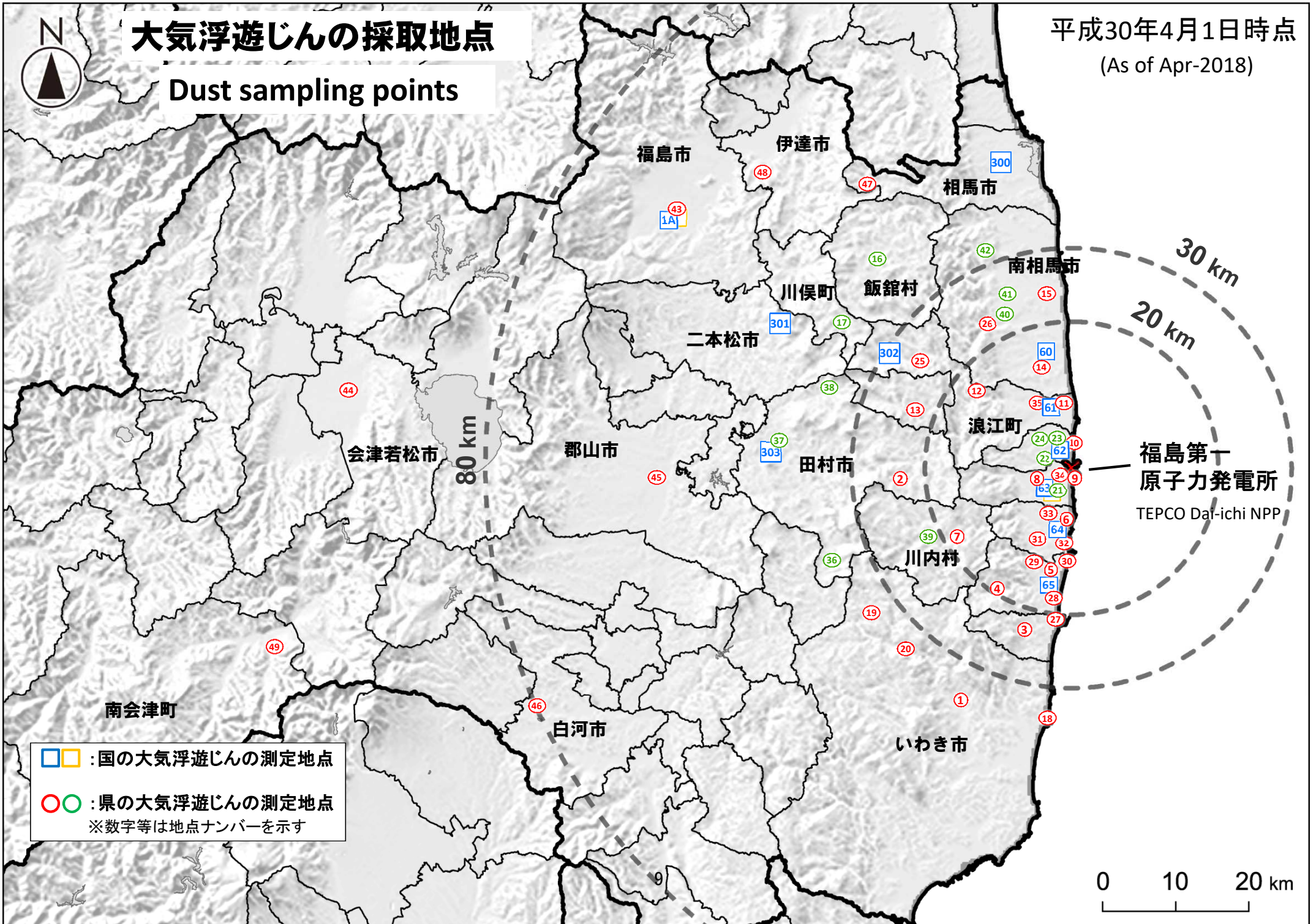
\* 「ND」は、測定値が検出限界値を下回った場合で、検出限界値を( )書きにて記載。  
\* "ND" indicates the measured value was lower than each Minimum Detectable Activity shown in parenthesis.

[Abbreviation]  
NRA : Nuclear Regulation Authority

# 大気浮遊じんの採取地点

## Dust sampling points

平成30年4月1日時点  
(As of Apr-2018)



環境放射能水準調査結果(月間降下物)  
 [Readings of environmental radioactivity level by prefecture (Fallout)]  
 (R3年12月分 [Dec. 2021])

2022.1.31 [Jan 31, 2022], 2022.4.12追加 [Additional date on Apr 12, 2022]

MBq/km<sup>2</sup>・月 [MBq/km<sup>2</sup>・month]

	都道府県名 [Prefecture] [City]	放射能物質濃度 [Radioactivity] (検出限界値 [Minimum Detectable Activity])				備考 [Remarks]
		放射性ヨウ素131 [I-131]	放射性セシウム134 [Cs-134]	放射性セシウム137 [Cs-137]	その他検出された核種 [Other detected nuclides]	
1	北海道(札幌市) [Hokkaido] [Sapporo]	不検出(0.13)	不検出(0.054)	不検出(0.046)		
2	青森県(青森市) [Aomori] [Aomori]	不検出(0.21)	不検出(0.059)	不検出(0.059)		
3	岩手県(盛岡市) [Iwate] [Morioka]	不検出(0.59)	不検出(0.067)	0.055		
4	宮城県(仙台市) [Miyagi] [Sendai]	不検出(0.13)	不検出(0.055)	0.44		
5	秋田県(秋田市) [Akita] [Akita]	不検出(0.66)	不検出(0.058)	不検出(0.058)		
6	山形県(山形市) [Yamagata] [Yamagata]	不検出(0.099)	不検出(0.061)	不検出(0.055)		
7	福島県(福島市) [Fukushima] [Fukushima]	不検出(0.16)	0.32	9.1		
8	茨城県(ひたちなか市) [Ibaraki] [Hitachinaka]	不検出(0.55)	不検出(0.11)	0.49		
9	栃木県(宇都宮市) [Tochigi] [Utsunomiya]	不検出(0.43)	不検出(0.063)	0.26		
10	群馬県(前橋市) [Gunma] [Maebashi]	不検出(0.10)	不検出(0.071)	0.18		
11	埼玉県(比企郡) [Saitama] [Hiki]	不検出(0.12)	不検出(0.081)	不検出(0.058)		
12	千葉県(市原市) [Chiba] [Ichihara]	不検出(0.058)	不検出(0.055)	0.30		
13	東京都(新宿区) [Tokyo] [Shinjuku]	不検出(0.057)	不検出(0.036)	0.13		
14	神奈川県(茅ヶ崎市) [Kanagawa] [Chigasaki]	不検出(0.079)	不検出(0.043)	0.083		
15	新潟県(新潟市) [Niigata] [Niigata]	不検出(0.23)	不検出(0.051)	不検出(0.042)		
16	富山県(射水市) [Toyama] [Imizu]	不検出(0.22)	不検出(0.033)	不検出(0.031)		
17	石川県(金沢市) [Ishikawa] [Kanazawa]	不検出(0.82)	不検出(0.046)	不検出(0.036)		
18	福井県(福井市) [Fukui] [Fukui]	不検出(0.45)	不検出(0.063)	不検出(0.054)		
19	山梨県(甲府市) [Yamanashi] [Kofu]	不検出(0.24)	不検出(0.074)	不検出(0.070)		
20	長野県(長野市) [Nagano] [Nagano]	不検出(0.18)	不検出(0.068)	不検出(0.065)		
21	岐阜県(各務原市) [Gifu] [Kakamigahara]	不検出(0.12)	不検出(0.067)	不検出(0.053)		
22	静岡県(牧之原市) [Shizuoka] [Makinohara]	不検出(0.16)	不検出(0.056)	不検出(0.039)		
23	愛知県(名古屋市) [Aichi] [Nagoya]	不検出(0.16)	不検出(0.047)	不検出(0.036)		
24	三重県(四日市市) [Mie] [Yokkaichi]	不検出(0.12)	不検出(0.045)	不検出(0.042)		
25	滋賀県(大津市) [Shiga] [Otsu]	不検出(0.26)	不検出(0.048)	不検出(0.044)		
26	京都府(京都市) [Kyoto] [Kyoto]	不検出(0.20)	不検出(0.067)	不検出(0.052)		
27	大阪府(大阪市) [Osaka] [Osaka]	不検出(0.049)	不検出(0.041)	不検出(0.038)		
28	兵庫県(加古川市) [Hyogo] [Kakogawa]	不検出(0.050)	不検出(0.046)	不検出(0.035)		
29	奈良県(桜井市) [Nara] [Sakurai]	不検出(0.034)	不検出(0.0055)	不検出(0.0046)		
30	和歌山県(和歌山市) [Wakayama] [Wakayama]	不検出(0.15)	不検出(0.055)	不検出(0.055)		
31	鳥取県(東伯郡) [Tottori] [Touhaku]	不検出(0.33)	不検出(0.081)	不検出(0.067)		
32	島根県(松江市) [Shimane] [Matsue]	不検出(0.34)	不検出(0.040)	不検出(0.030)		
33	岡山県(岡山市) [Okayama] [Okayama]	不検出(0.049)	不検出(0.039)	不検出(0.033)		
34	広島県(広島市) [Hiroshima] [Hiroshima]	<b>不検出(10)</b>	<b>不検出(0.064)</b>	<b>不検出(0.044)</b>	測定中であつたが到着 [Measurements arrived though it had delayed.]	
35	山口県(山口市) [Yamaguchi] [Yamaguchi]	不検出(0.51)	不検出(0.067)	不検出(0.066)		
36	徳島県(徳島市) [Tokushima] [Tokushima]	不検出(0.22)	不検出(0.068)	不検出(0.059)		
37	香川県(高松市) [Kagawa] [Takamatsu]	不検出(0.13)	不検出(0.071)	不検出(0.060)		
38	愛媛県(松山市) [Ehime] [Matsuyama]	不検出(0.16)	不検出(0.044)	不検出(0.037)		
39	高知県(高知市) [Kochi] [Kochi]	不検出(0.18)	不検出(0.056)	不検出(0.041)		
40	福岡県(太宰府市) [Fukuoka] [Dazaifu]	不検出(0.12)	不検出(0.052)	不検出(0.045)		
41	佐賀県(佐賀市) [Saga] [Saga]	不検出(0.12)	不検出(0.061)	不検出(0.043)		
42	長崎県(大村市) [Nagasaki] [Omura]	不検出(0.43)	不検出(0.078)	不検出(0.055)		
43	熊本県(宇土市) [Kumamoto] [Uto]	不検出(0.079)	不検出(0.040)	不検出(0.032)		
44	大分県(大分市) [Oita] [Oita]	不検出(0.15)	不検出(0.045)	不検出(0.043)		
45	宮崎県(宮崎市) [Miyazaki] [Miyazaki]	不検出(0.091)	不検出(0.048)	不検出(0.058)		
46	鹿児島県(薩摩川内市) [Kagoshima] [Satsumasendai]	不検出(0.73)	不検出(0.066)	不検出(0.057)		
47	沖縄県(うるま市) [Okinawa] [Uruma]	不検出(0.058)	不検出(0.039)	不検出(0.032)		

不検出 : Not detected activity

1. 原子力規制委員会が各都道府県等からの報告に基づき作成 [1. The table was made by Nuclear Regulation Authority, based on the reports from prefectures]

2. 1ヶ月間採取し続けた降下物を測定した結果 [2. Measurements of fallout collected during the month]

3. 検出下限値は試料及び測定状況により、都道府県によって異なる [3. The minimum detected activity of <sup>131</sup>I, <sup>134</sup>Cs-134 and <sup>137</sup>Cs-137, contingent on samples or measurement conditions, are different for each prefecture]

環境放射能水準調査結果(月間降下物)  
 [Readings of environmental radioactivity level by prefecture (Fallout)]  
 (R4年1月分 [Jan, 2022])

2022.2.28 [Feb 28, 2022], 2022.4.12追加 [Additional date on Apr 12, 2022]

MBq/km<sup>2</sup>・月 [MBq/km<sup>2</sup>・month]

都道府県名 [Prefecture] [City]	放射能物質濃度 [Radioactivity] (検出限界値 [Minimum Detectable Activity])				備考 [Remarks]
	放射性ヨウ素131 [I-131]	放射性セシウム134 [Cs-134]	放射性セシウム137 [Cs-137]	その他検出された核種 [Other detected nuclides]	
1 北海道(札幌市) [Hokkaido] [Sapporo]	不検出(0.13)	不検出(0.054)	不検出(0.045)		
2 青森県(青森市) [Aomori] [Aomori]	不検出(0.14)	不検出(0.051)	不検出(0.049)		
3 岩手県(盛岡市) [Iwate] [Morioka]	不検出(0.33)	不検出(0.067)	不検出(0.056)		
4 宮城県(仙台市) [Miyagi] [Sendai]	不検出(0.17)	不検出(0.053)	0.31		
5 秋田県(秋田市) [Akita] [Akita]	不検出(0.47)	不検出(0.059)	不検出(0.057)		
6 山形県(山形市) [Yamagata] [Yamagata]	不検出(0.12)	不検出(0.062)	0.073		
7 福島県(福島市) [Fukushima] [Fukushima]	不検出(0.19)	1.0	28		
8 茨城県(ひたちなか市) [Ibaraki] [Hitachinaka]	不検出(0.35)	不検出(0.13)	0.51		
9 栃木県(宇都宮市) [Tochigi] [Utsunomiya]	不検出(0.20)	不検出(0.065)	0.16		
10 群馬県(前橋市) [Gunma] [Maebashi]	不検出(0.092)	不検出(0.079)	0.98		
11 埼玉県(比企郡) [Saitama] [Hiki]	不検出(0.097)	不検出(0.075)	0.080		
12 千葉県(市原市) [Chiba] [Ichihara]	不検出(0.086)	不検出(0.053)	0.30		
13 東京都(新宿区) [Tokyo] [Shinjuku]	不検出(0.059)	不検出(0.043)	0.25		
14 神奈川県(茅ヶ崎市) [Kanagawa] [Chigasaki]	不検出(0.065)	不検出(0.038)	0.085		
15 新潟県(新潟市) [Niigata] [Niigata]	不検出(0.18)	不検出(0.048)	不検出(0.040)		
16 富山県(射水市) [Toyama] [Imizu]	不検出(0.10)	不検出(0.034)	不検出(0.030)		
17 石川県(金沢市) [Ishikawa] [Kanazawa]	不検出(0.77)	不検出(0.046)	不検出(0.035)		
18 福井県(福井市) [Fukui] [Fukui]	不検出(0.19)	不検出(0.055)	不検出(0.051)		
19 山梨県(甲府市) [Yamanashi] [Kofu]	不検出(0.22)	不検出(0.076)	不検出(0.072)		
20 長野県(長野市) [Nagano] [Nagano]	不検出(0.12)	不検出(0.070)	不検出(0.063)		
21 岐阜県(各務原市) [Gifu] [Kakamigahara]	不検出(0.10)	不検出(0.063)	不検出(0.053)		
22 静岡県(牧之原市) [Shizuoka] [Makinohara]	不検出(0.11)	不検出(0.054)	不検出(0.041)		
23 愛知県(名古屋市) [Aichi] [Nagoya]	不検出(0.081)	不検出(0.048)	不検出(0.037)		
24 三重県(四日市市) [Mie] [Yokkaichi]	不検出(0.084)	不検出(0.044)	不検出(0.040)		
25 滋賀県(大津市) [Shiga] [Otsu]	不検出(0.20)	不検出(0.054)	不検出(0.046)		
26 京都府(京都市) [Kyoto] [Kyoto]	不検出(0.13)	不検出(0.039)	不検出(0.035)		
27 大阪府(大阪市) [Osaka] [Osaka]	不検出(0.056)	不検出(0.036)	不検出(0.035)		
28 兵庫県(加古川市) [Hyogo] [Kakogawa]	不検出(0.046)	不検出(0.046)	不検出(0.036)		
29 奈良県(桜井市) [Nara] [Sakurai]	不検出(0.043)	不検出(0.0062)	不検出(0.0049)		
30 和歌山県(和歌山市) [Wakayama] [Wakayama]	不検出(0.49)	不検出(0.055)	不検出(0.067)		
31 鳥取県(東伯郡) [Tottori] [Touhaku]	不検出(0.19)	不検出(0.081)	不検出(0.074)		
32 島根県(松江市) [Shimane] [Matsue]	不検出(0.11)	不検出(0.039)	不検出(0.032)		
33 岡山県(岡山市) [Okayama] [Okayama]	不検出(0.062)	不検出(0.034)	不検出(0.035)		
34 広島県(広島市) [Hiroshima] [Hiroshima]	<b>不検出(0.97)</b>	<b>不検出(0.069)</b>	<b>不検出(0.042)</b>	測定中であつたが到着 [Measurements arrived though it had delayed.]	
35 山口県(山口市) [Yamaguchi] [Yamaguchi]	不検出(0.30)	不検出(0.067)	不検出(0.062)		
36 徳島県(徳島市) [Tokushima] [Tokushima]	不検出(0.11)	不検出(0.064)	不検出(0.053)		
37 香川県(高松市) [Kagawa] [Takamatsu]	不検出(0.075)	不検出(0.071)	不検出(0.092)		
38 愛媛県(松山市) [Ehime] [Matsuyama]	不検出(0.084)	不検出(0.048)	不検出(0.038)		
39 高知県(高知市) [Kochi] [Kochi]	不検出(0.17)	不検出(0.056)	不検出(0.044)		
40 福岡県(太宰府市) [Fukuoka] [Dazaifu]	不検出(0.17)	不検出(0.049)	不検出(0.046)		
41 佐賀県(佐賀市) [Saga] [Saga]	不検出(0.092)	不検出(0.055)	不検出(0.044)		
42 長崎県(大村市) [Nagasaki] [Omura]	不検出(0.39)	不検出(0.079)	不検出(0.067)		
43 熊本県(宇土市) [Kumamoto] [Uto]	不検出(0.065)	不検出(0.042)	不検出(0.034)		
44 大分県(大分市) [Oita] [Oita]	不検出(0.21)	不検出(0.046)	不検出(0.043)		
45 宮崎県(宮崎市) [Miyazaki] [Miyazaki]	不検出(0.085)	不検出(0.048)	不検出(0.040)		
46 鹿児島県(薩摩川内市) [Kagoshima] [Satsumasendai]	不検出(0.29)	不検出(0.061)	不検出(0.056)		
47 沖縄県(うるま市) [Okinawa] [Uruma]	不検出(0.087)	不検出(0.046)	不検出(0.039)		

不検出 : Not detected activity

1. 原子力規制委員会が各都道府県等からの報告に基づき作成 [1. The table was made by Nuclear Regulation Authority, based on the reports from prefectures]  
 2. 1ヶ月間採取し続けた降下物を測定した結果 [2. Measurements of fallout collected during the month]  
 3. 検出下限値は試料及び測定状況により、都道府県によって異なる [3. The minimum detected activity of I-131, Cs-134 and Cs-137, contingent on samples or measurement conditions, are different for each prefecture]

環境放射能水準調査結果(月間降下物)  
 [Readings of environmental radioactivity level by prefecture (Fallout)]  
 (R4年2月分 [Feb. 2022])

2022.3.31 [Mar 31, 2022], 2022.4.12追加 [Additional date on Apr 12, 2022]

MBq/km<sup>2</sup>・月 [MBq/km<sup>2</sup>・month]

都道府県名 [Prefecture] [City]	放射性物質濃度 [Radioactivity] (検出限界値 [Minimum Detectable Activity])				備考 [Remarks]
	放射性ヨウ素131 [I-131]	放射性セシウム134 [Cs-134]	放射性セシウム137 [Cs-137]	その他検出された核種 [Other detected nuclides]	
1 北海道(札幌市) [Hokkaido] [Sapporo]	不検出(0.16)	不検出(0.054)	不検出(0.040)		
2 青森県(青森市) [Aomori] [Aomori]	不検出(0.15)	不検出(0.061)	不検出(0.054)		
3 岩手県(盛岡市) [Iwate] [Morioka]	不検出(0.42)	不検出(0.063)	不検出(0.060)		
4 宮城県(仙台市) [Miyagi] [Sendai]	不検出(0.13)	不検出(0.055)	0.52		
5 秋田県(秋田市) [Akita] [Akita]	不検出(0.17)	不検出(0.056)	不検出(0.057)		
6 山形県(山形市) [Yamagata] [Yamagata]	不検出(0.079)	不検出(0.060)	0.058		
7 福島県(福島市) [Fukushima] [Fukushima]	不検出(0.13)	0.54	15		
8 茨城県(ひたちなか市) [Ibaraki] [Hitachinaka]	不検出(0.38)	不検出(0.096)	0.62		
9 栃木県(宇都宮市) [Tochigi] [Utsunomiya]	不検出(0.26)	不検出(0.066)	0.27		
10 群馬県(前橋市) [Gunma] [Maebashi]	不検出(0.12)	不検出(0.078)	1.3		
11 埼玉県(比企郡) [Saitama] [Hiki]	不検出(0.083)	不検出(0.067)	0.092		
12 千葉県(市原市) [Chiba] [Ichihara]	不検出(0.056)	不検出(0.053)	0.24		
13 東京都(新宿区) [Tokyo] [Shinjuku]	不検出(0.061)	不検出(0.042)	0.28		
14 神奈川県(茅ヶ崎市) [Kanagawa] [Chigasaki]	不検出(0.080)	不検出(0.040)	0.14		
15 新潟県(新潟市) [Niigata] [Niigata]	不検出(0.40)	不検出(0.055)	不検出(0.041)		
16 富山県(射水市) [Toyama] [Imizu]	不検出(0.14)	不検出(0.035)	不検出(0.030)		
17 石川県(金沢市) [Ishikawa] [Kanazawa]	不検出(0.39)	不検出(0.043)	不検出(0.033)		
18 福井県(福井市) [Fukui] [Fukui]	不検出(0.59)	不検出(0.053)	不検出(0.042)		
19 山梨県(甲府市) [Yamanashi] [Kofu]	不検出(0.53)	不検出(0.076)	不検出(0.073)		
20 長野県(長野市) [Nagano] [Nagano]	不検出(0.094)	不検出(0.073)	不検出(0.067)		
21 岐阜県(各務原市) [Gifu] [Kakamigahara]	不検出(0.10)	不検出(0.068)	不検出(0.052)		
22 静岡県(牧之原市) [Shizuoka] [Makinohara]	不検出(0.11)	不検出(0.054)	不検出(0.043)		
23 愛知県(名古屋市) [Aichi] [Nagoya]	不検出(0.078)	不検出(0.050)	不検出(0.038)		
24 三重県(四日市市) [Mie] [Yokkaichi]	不検出(0.14)	不検出(0.047)	不検出(0.042)		
25 滋賀県(大津市) [Shiga] [Otsu]	不検出(0.21)	不検出(0.049)	不検出(0.042)		
26 京都府(京都市) [Kyoto] [Kyoto]	不検出(0.090)	不検出(0.041)	不検出(0.033)		
27 大阪府(大阪市) [Osaka] [Osaka]	不検出(0.040)	不検出(0.036)	不検出(0.035)		
28 兵庫県(加古川市) [Hyogo] [Kakogawa]	不検出(0.047)	不検出(0.044)	不検出(0.038)		
29 奈良県(桜井市) [Nara] [Sakurai]	不検出(0.024)	不検出(0.0059)	不検出(0.0053)		
30 和歌山県(和歌山市) [Wakayama] [Wakayama]	不検出(0.21)	不検出(0.068)	不検出(0.065)		
31 鳥取県(東伯郡) [Tottori] [Touhaku]	不検出(0.14)	不検出(0.075)	不検出(0.064)		
32 島根県(松江市) [Shimane] [Matsue]	不検出(0.26)	不検出(0.040)	不検出(0.032)		
33 岡山県(岡山市) [Okayama] [Okayama]	不検出(0.059)	不検出(0.041)	不検出(0.037)		
34 広島県(広島市) [Hiroshima] [Hiroshima]	<b>不検出(0.22)</b>	<b>不検出(0.048)</b>	<b>不検出(0.031)</b>	測定中であつたが到着 [Measurements arrived though it had delayed.]	
35 山口県(山口市) [Yamaguchi] [Yamaguchi]	不検出(0.22)	不検出(0.068)	不検出(0.058)		
36 徳島県(徳島市) [Tokushima] [Tokushima]	不検出(0.15)	不検出(0.068)	不検出(0.056)		
37 香川県(高松市) [Kagawa] [Takamatsu]	不検出(0.12)	不検出(0.074)	不検出(0.065)		
38 愛媛県(松山市) [Ehime] [Matsuyama]	不検出(0.085)	不検出(0.043)	不検出(0.039)		
39 高知県(高知市) [Kochi] [Kochi]	不検出(0.13)	不検出(0.053)	不検出(0.047)		
40 福岡県(太宰府市) [Fukuoka] [Dazaifu]	不検出(0.14)	不検出(0.045)	不検出(0.039)		
41 佐賀県(佐賀市) [Saga] [Saga]	不検出(0.098)	不検出(0.054)	不検出(0.048)		
42 長崎県(大村市) [Nagasaki] [Omura]	不検出(0.35)	不検出(0.087)	不検出(0.060)		
43 熊本県(宇土市) [Kumamoto] [Uto]	不検出(0.057)	不検出(0.036)	不検出(0.034)		
44 大分県(大分市) [Oita] [Oita]	不検出(0.26)	不検出(0.050)	不検出(0.045)		
45 宮崎県(宮崎市) [Miyazaki] [Miyazaki]	不検出(0.084)	不検出(0.046)	不検出(0.047)		
46 鹿児島県(薩摩川内市) [Kagoshima] [Satsumasendai]	不検出(0.31)	不検出(0.063)	不検出(0.054)		
47 沖縄県(うるま市) [Okinawa] [Uruma]	不検出(0.12)	不検出(0.040)	不検出(0.030)		

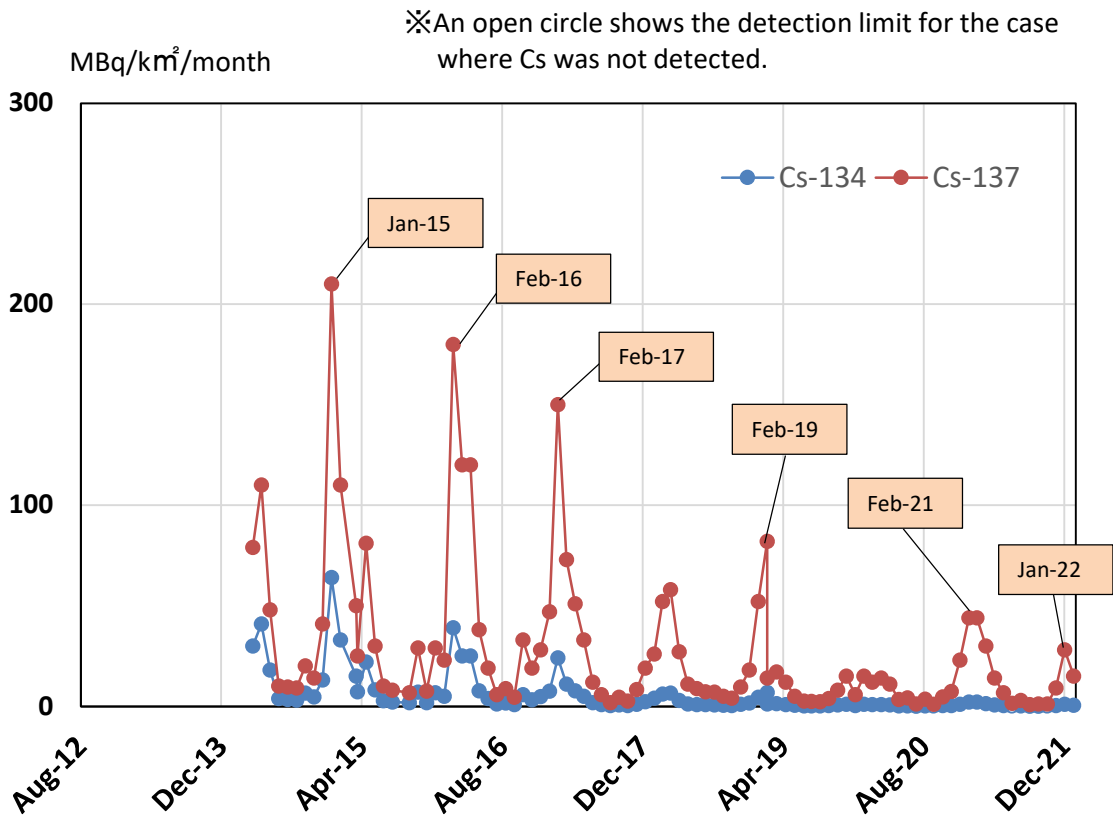
不検出 : Not detected activity

1. 原子力規制委員会が各都道府県等からの報告に基づき作成 [1. The table was made by Nuclear Regulation Authority, based on the reports from prefectures]

2. 1ヶ月間採取し続けた降下物を測定した結果 [2. Measurements of fallout collected during the month]

3. 検出下限値は試料及び測定状況により、都道府県によって異なる [3. The minimum detected activity of <sup>131</sup>I, <sup>134</sup>Cs and <sup>137</sup>Cs, contingent on samples or measurement conditions, are different for each prefecture]





**Concentration ranges of radioactive Cs in monthly fallout,  
in Fukushima prefecture**

福島第一原子力発電所近傍海域の海水の放射性物質濃度測定結果  
 (東京電力ホールディングス㈱の発表をもとに作成※<sup>1</sup>)  
 試料採取日: 令和4年2月7日、21日

Radioactivity concentration in the seawater near Fukushima Dai-ichi NPP  
 (Based on the press release of TEPCO※<sup>1</sup>)  
 Sampling Date: Feb 7, 21, 2022

令和4年3月29日  
 Mar 29, 2022

Cs-134	Cs-137	H-3	全α (gross α)	全β <sup>※3</sup> (gross β)	Sr-90	Pu-238	Pu-239+240
放射性物質濃度 (Bq/L) (※ <sup>2</sup> ND : 不検出) Radioactivity concentration (Bq/L) (※ <sup>2</sup> ND : Not Detectable)							

T-1	2021/11/8 8:40	0.0026	0.071						O
	2021/11/15 8:35	0.014	0.36						O
	2021/11/22 8:30	0.0025	0.071						O
	2021/11/29 8:45	0.0022	0.065						O
	2021/12/6 9:15	0.0043	0.13	ND(0.84)	ND(1.9)	11	0.0062		O
	2021/12/17 8:20	0.020	0.58						O
	2021/12/20 8:20	0.0060	0.18						O
	2021/12/27 8:50	0.0015	0.054						O
	2022/1/3 8:10	0.0015	0.043	ND(0.90)	ND(1.9)	11	0.0036		O
	2022/1/10 8:35	ND(0.0013)	0.042						O
	2022/1/17 8:25	0.0021	0.067						O
	2022/1/24 8:15	0.0042	0.13						O
	2022/1/31 8:35	0.0031	0.10						O
	2022/2/7 8:37	ND(0.0012)	0.036	ND(0.95)	ND(1.8)	9.9	0.0039		O
2022/2/14 8:20	0.0029	0.093						O	
2022/2/21 8:13	<b>0.0027</b>	<b>0.088</b>						O	

T-2 <sup>※4</sup>	2021/11/8 7:10	0.0026	0.069						O
	2021/11/15 7:05	0.0034	0.096						O
	2021/11/22 7:05	0.0025	0.075						O
	2021/11/29 7:20	0.0017	0.051						O
	2021/12/6 7:35	0.0014	0.048	ND(0.84)	ND(1.9)	9.8	0.0019		O
	2021/12/17 7:30	0.0021	0.053						O
	2021/12/20 9:00	0.0021	0.067						O
	2021/12/27 8:25	0.0023	0.060						O
	2022/1/3 8:15	0.0020	0.059	ND(0.90)	ND(1.9)	8.6	0.0019		O
	2022/1/10 8:15	0.0016	0.058						O
	2022/1/17 6:55	ND(0.0012)	0.039						O
	2022/1/24 8:43	ND(0.0012)	0.039						O
	2022/1/31 8:55	ND(0.0013)	0.036						O
	2022/2/7 9:10	0.0020	0.066	ND(0.95)	ND(1.8)	12	0.0014		O
2022/2/14 8:35	0.0056	0.14						O	
2022/2/21 8:50	<b>0.0036</b>	<b>0.12</b>						O	

O: 上層(表層~2m) Outer Layer

\* 太字下線データが今回追加分。  
 \* Boldface and underlined readings are new.

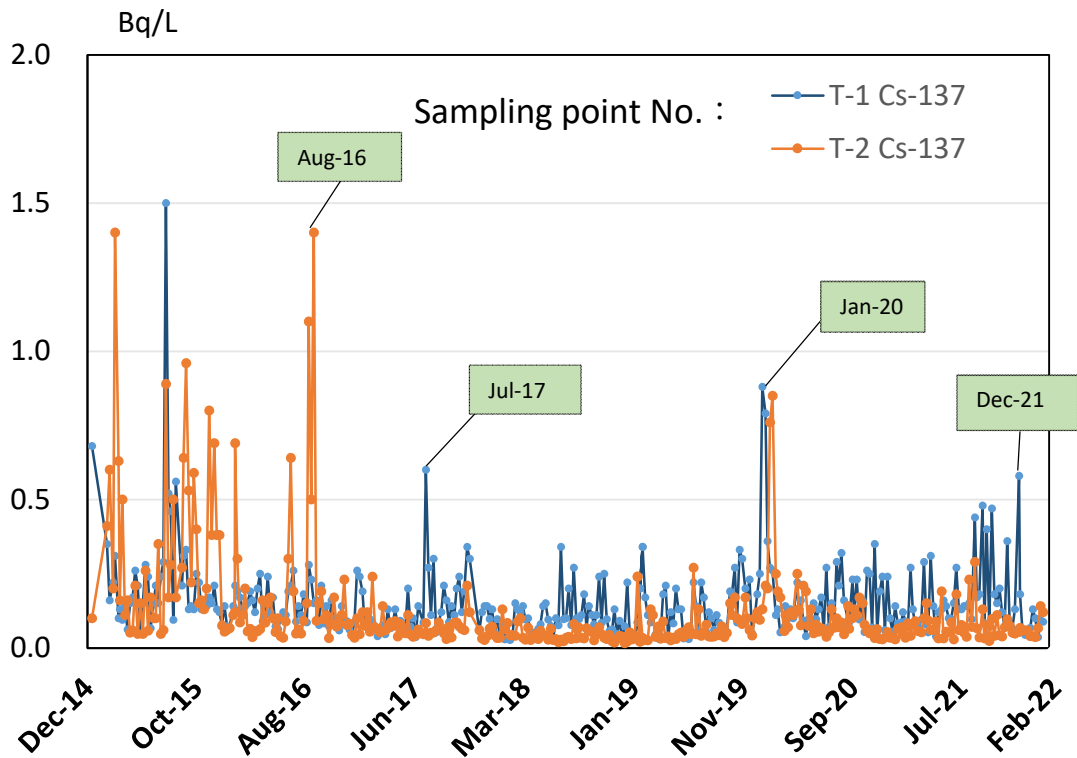
※1 東京電力ホールディングス㈱の発表 (<https://www.tepco.co.jp/decommission/data/analysis/index-j.html>)  
 ※1 Press release of TEPCO (<https://www.tepco.co.jp/en/nu/fukushima-np/f1/smp/index-e.html>)

※2 NDの記載は、海水の放射性物質濃度の検出値が検出下限値を下回る場合。( )内は検出下限値。  
 ※2 ND indicates the case that the detected radioactivity concentration in seawater was lower than the detection limits. The lower detection limit is from in parenthesis.

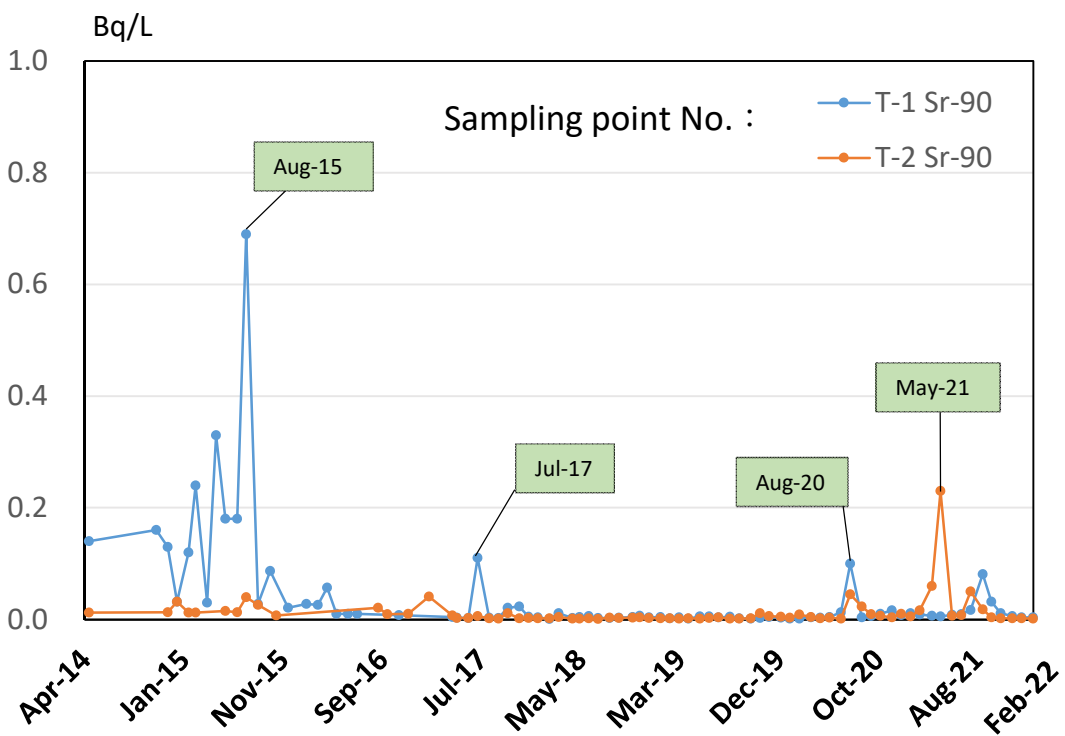
※3 分析方法: 蒸発乾固法 ※3 Analytical method: Evaporation drying method

※4 試料採取作業の安全確保ができないため、令和3年12月17日より採取地点を1~4号機放水口から南側に約1300mの地点に一時的に変更。  
 ※4 Because of ensuring safety in sampling operation, sampling point has been moved to approximately 1300 m south from outlet of Fukushima Dai-ichi NPP (unit 1 to 4) temporarily since Dec. 17, 2021.

参考  
 reference  
 福島第一原発事故以前の海水のモニタリング結果:  
 (<https://radioactivity.nsr.go.jp/ja/contents/9000/8483/24/Beforedisaster.pdf>)  
 Results of radiation monitoring before the accident at TEPCO's Fukushima Dai-ichi NPP Nuclear Power Station.  
 (<https://radioactivity.nsr.go.jp/ja/contents/9000/8483/24/Beforedisaster.pdf>)



Concentration ranges of Cs-137 in sea-water near the Fukushima Daiichi NPS surveyed by TEPCO



Concentration ranges of Sr-90 in sea-water near the Fukushima Daiichi NPS surveyed by TEPCO

福島第一原子力発電所近傍の海域の海水のモニタリング結果  
Readings of Sea Area Monitoring near Fukushima Dai-ichi NPP

試料採取日: 令和4年1月13日、15日  
(Sampling Date: Jan 13, 15, 2022)

令和4年3月15日  
Mar 15, 2022  
原子力規制委員会  
Nuclear Regulation Authority (NRA)

		Cs-134	Cs-137	Sr-90	H-3	
採取日 Sampling Date	採取深度 Sampling Depth (m)	放射性物質濃度 (Bq/L) (※ ND: 不検出) Radioactivity concentration (Bq/L) (※ ND: Not Detectable)				
M-101	2021/2/5	0.5	0.00095	0.015	0.00077	0.12
	2021/3/5	0.5	0.0028	0.061	0.011	0.35
	2021/4/22	0.5	0.00056	0.013	0.0010	0.096
	2021/5/19	0.5	ND(0.00045)	0.0098	0.00079	ND(0.051)
	2021/6/11	0.5	0.00063	0.013	0.00089	0.15
	2021/7/13	0.5	ND(0.00045)	0.0034	0.00091	0.094
	2021/8/7	0.5	ND(0.00046)	0.016	0.0011	0.14
	2021/9/9	0.5	0.0035	0.093	0.011	0.38
	2021/10/8	0.5	0.0030	0.083	0.0043	0.32
	2021/11/5	0.5	ND(0.00048)	0.017	0.00088	0.052
	2021/12/15	0.5	0.00087	0.025	0.0027	0.13
2022/1/13	0.5	0.0010	0.030	0.0014	<b>0.13</b>	
M-102	2021/2/4	0.5	0.0013	0.032	0.00094	0.12
	2021/3/4	0.5	0.0011	0.027	0.0052	0.090
	2021/4/24	0.5	0.00073	0.020	0.0011	0.11
	2021/5/18	0.5	0.00086	0.022	0.00098	0.092
	2021/6/10	0.5	0.00064	0.012	0.00089	0.11
	2021/7/14	0.5	ND(0.00056)	0.011	0.00097	0.10
	2021/8/6	0.5	ND(0.00042)	0.0049	0.00074	0.092
	2021/9/10	0.5	0.00086	0.019	0.0019	0.085
	2021/10/7	0.5	0.00066	0.017	0.0019	0.11
	2021/11/4	0.5	ND(0.00051)	0.0074	0.00075	0.11
	2021/12/14	0.5	0.0011	0.018	0.0020	0.12
	2022/1/15	0.5	ND(0.00053)	0.0036	0.0013	<b>ND(0.056)</b>
M-103	2021/2/5	0.5	0.00038	0.0089	0.00080	0.090
	2021/3/5	0.5	0.00071	0.016	0.0014	0.10
	2021/4/22	0.5	ND(0.00047)	0.010	0.00083	0.061
	2021/5/19	0.5	ND(0.00049)	0.0068	0.00084	0.074
	2021/6/11	0.5	ND(0.00051)	0.0053	0.00087	0.097
	2021/7/13	0.5	ND(0.00048)	0.0043	0.00084	0.13
	2021/8/7	0.5	ND(0.00045)	0.011	0.0010	0.12
	2021/9/9	0.5	0.00064	0.019	0.0015	0.12
	2021/10/8	0.5	0.00056	0.016	0.00072	0.092
	2021/11/5	0.5	ND(0.00051)	0.0082	0.00087	0.15
	2021/12/15	0.5	0.00073	0.017	0.0010	ND(0.057)
	2022/1/13	0.5	ND(0.00054)	0.012	0.00096	<b>ND(0.056)</b>
M-104	2021/2/4	0.5	0.00041	0.011	0.00085	0.097
	2021/3/4	0.5	0.00062	0.011	0.00068	0.067
	2021/4/24	0.5	ND(0.00051)	0.0098	0.00094	0.067
	2021/5/18	0.5	ND(0.00049)	0.0058	0.00096	0.078
	2021/6/10	0.5	ND(0.00047)	0.0054	0.00083	0.10
	2021/7/14	0.5	ND(0.00049)	0.0049	0.00077	0.22
	2021/8/6	0.5	ND(0.00050)	0.0039	0.00072	0.075
	2021/9/10	0.5	ND(0.00049)	0.0058	0.0010	ND(0.061)
	2021/10/7	0.5	ND(0.00045)	0.0059	0.00074	0.088
	2021/11/4	0.5	ND(0.00057)	0.0047	0.00091	ND(0.049)
	2021/12/14	0.5	ND(0.00052)	0.013	0.00070	0.073
	2022/1/15	0.5	ND(0.00052)	0.0034	0.00092	<b>0.067</b>

※ NDの記載は、海水の放射性物質濃度の検出値が検出下限値を下回る場合。( )内は検出下限値。

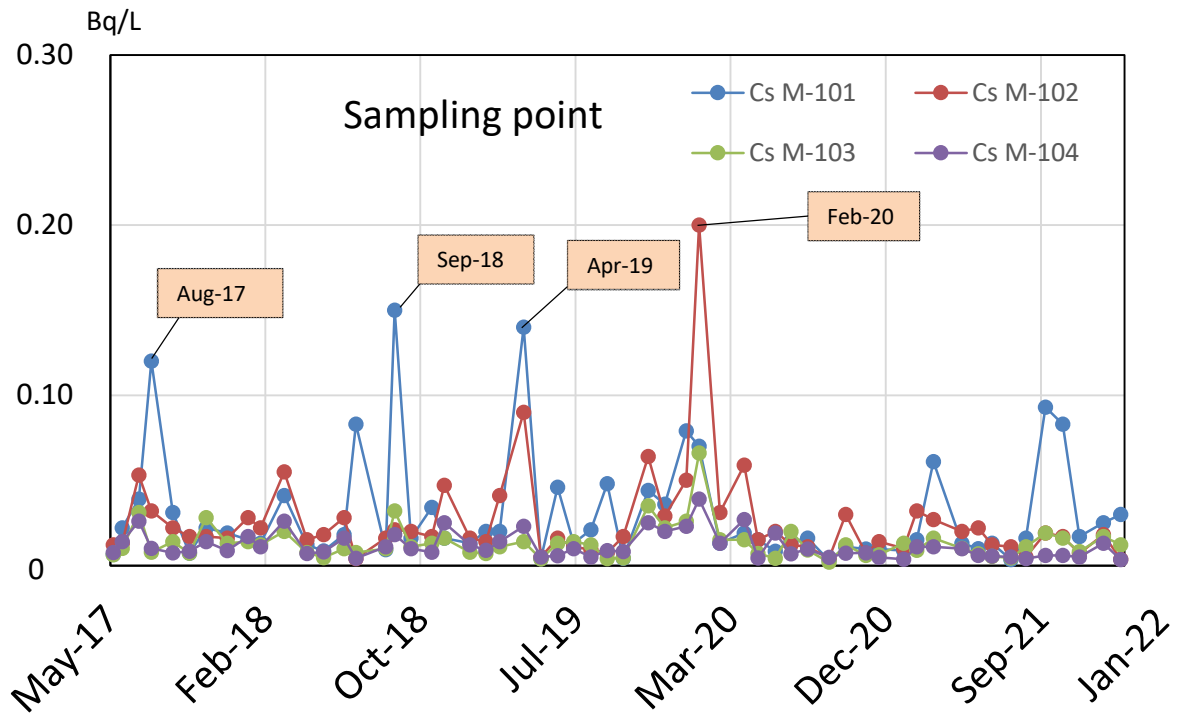
※ ND indicates the case that the detected radioactivity concentration in seawater was lower than the detection limits. The lower detection limit is in parenthesis.

\*原子力規制委員会の委託事業により、(公財)海洋生物環境研究所が採取した試料を用いて、(公財)海洋生物環境研究所[Cs,H-3]、(株)KANSOテクノス[Sr]が分析。

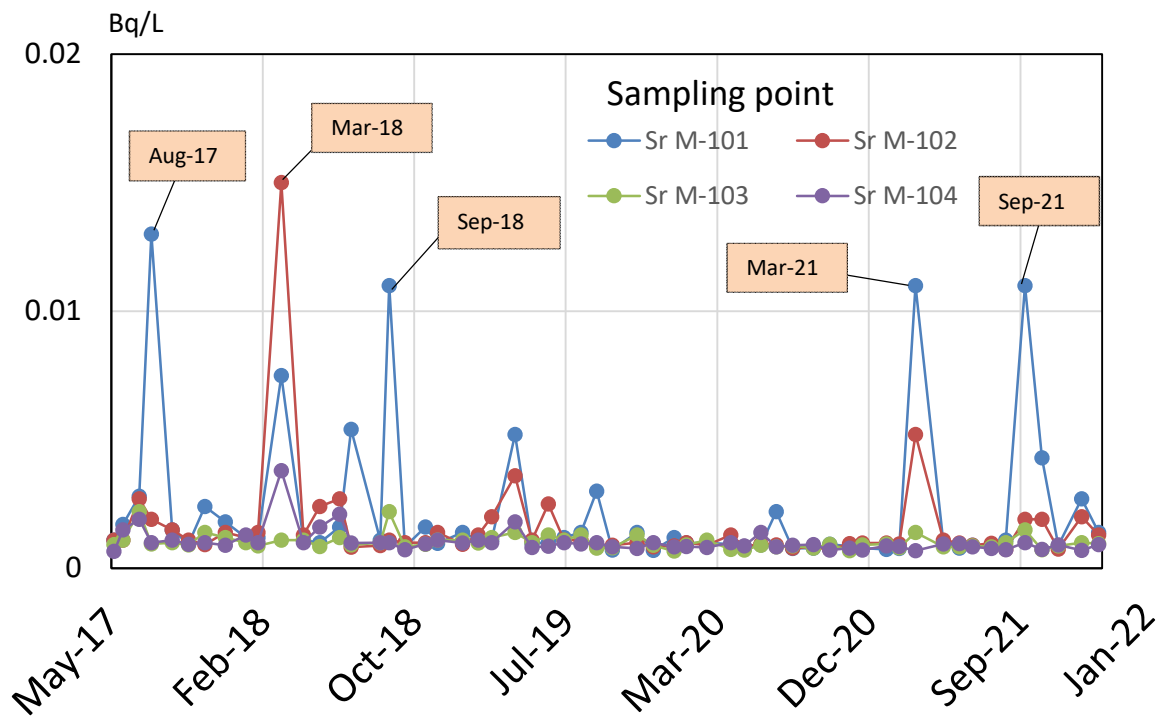
\* Analysis by Marine Ecology Research Institute (MERI)[Cs,H-3] and KANSO Co.,Ltd.[Sr] of the samples collected by MERI at the request of Nuclear Regulation Authority (NRA).

\* 太字下線データが今回追加分。

\* Boldface and underlined readings are new.



Concentration ranges of Cs-137 in sea-water near the Fukushima Daiichi NPS surveyed by the NRA



Concentration ranges of Sr-90 in sea-water near the Fukushima Daiichi NPS surveyed by the NRA

福島第一原子力発電所近傍海域の海水の放射性物質濃度測定結果  
(福島県の発表をもとに作成<sup>※1</sup>)

Radioactivity concentration in the seawater near Fukushima Dai-ichi NPP  
(Based on the press release of Fukushima Prefecture<sup>※1</sup>)

採取日 Sampling date	Cs-134	Cs-137	H-3	全β Gross β	Sr-90	Pu-238	Pu-239+240
----------------------	--------	--------	-----	---------------	-------	--------	------------

放射性物質濃度(検出下限値)(Bq/L)(ND<sup>※2</sup>:不検出)  
Radioactivity concentration (Lower detection limit) (Bq/L) (ND<sup>※2</sup>: Not Detectable)

南放水口付近 F-P01	2020/11/12	ND	0.012	ND	0.04	0.0007	ND	ND
	2020/12/4	ND	0.031	ND	0.02	0.0009	ND	ND
	2021/1/7	ND	0.016	ND	0.05	0.0006	ND	ND
	2021/2/12	ND	0.016	ND	0.03	0.0010	ND	0.000013
	2021/3/4	ND	0.028	ND	0.03	0.0024	ND	0.000011
	2021/4/20	ND	0.033	ND	0.02	0.0011	ND	0.000019
	2021/5/12	ND	0.007	ND	0.02	0.0007	ND	ND
	2021/6/3	ND	0.009	ND	0.02	0.0013	ND	0.000008
	2021/7/6	ND	0.018	ND	0.02	0.0017	ND	ND
	2021/8/4	ND	0.015	ND	0.02	0.0008	ND	ND
	2021/9/2	ND	0.020	ND	0.01	0.0015	ND	ND
	2021/10/15	ND	0.028	ND	0.02	0.0011	ND	ND
	2021/11/4	ND	0.011	ND	0.02	0.0006	ND	ND
	2021/12/14	ND	0.034	ND	0.02	0.0014	ND	ND

北放水口付近 F-P02	2020/11/12	ND	0.015	ND	0.02	0.0010	ND	ND
	2020/12/4	ND	0.017	ND	0.02	0.0008	ND	ND
	2021/1/7	ND	0.009	ND	0.03	0.0009	ND	0.000011
	2021/2/12	ND	0.013	ND	0.04	0.0009	ND	0.000009
	2021/3/4	0.003	0.061	ND	0.04	0.0027	ND	0.000017
	2021/4/20	ND	0.036	ND	0.02	0.0012	ND	0.000013
	2021/5/12	ND	0.011	ND	0.02	0.0013	ND	ND
	2021/6/3	ND	0.012	ND	0.02	0.0016	ND	ND
	2021/7/6	ND	0.024	ND	0.02	0.0015	ND	ND
	2021/8/4	ND	0.019	ND	0.01	0.0013	ND	ND
	2021/9/2	ND	0.014	ND	0.01	0.0034	ND	ND
	2021/10/15	0.003	0.068	ND	0.02	0.0072	ND	0.000009
	2021/11/4	ND	0.023	ND	0.02	0.0011	ND	ND
2021/12/14	ND	0.024	ND	0.02	0.0012	ND	0.000006	

取水口付近 F-P03	2020/11/12	ND	0.017	ND	0.03	0.0008	ND	ND
	2020/12/4	ND	0.032	ND	0.03	0.0009	ND	ND
	2021/1/7	0.004	0.056	ND	0.04	0.0020	ND	ND
	2021/2/12	ND	0.030	ND	0.04	0.0011	ND	0.000014
	2021/3/4	0.003	0.098	ND	0.03	0.0072	ND	0.000018
	2021/4/20	0.008	0.19	0.46	0.02	0.0096	ND	0.000011
	2021/5/12	ND	0.022	ND	0.02	0.0015	ND	ND
	2021/6/3	ND	0.048	ND	0.02	0.0030	ND	0.000007
	2021/7/6	ND	0.010	ND	0.02	0.0012	ND	ND
	2021/8/4	0.004	0.12	0.34	0.01	0.0046	ND	0.000008
	2021/9/2	0.010	0.31	1.4	0.03	0.035	ND	ND
	2021/10/15	0.006	0.12	ND	0.02	0.0076	ND	0.000009
	2021/11/4	ND	0.067	0.46	0.01	0.0051	ND	0.000009
2021/12/14	ND	0.020	ND	0.02	0.0008	ND	ND	

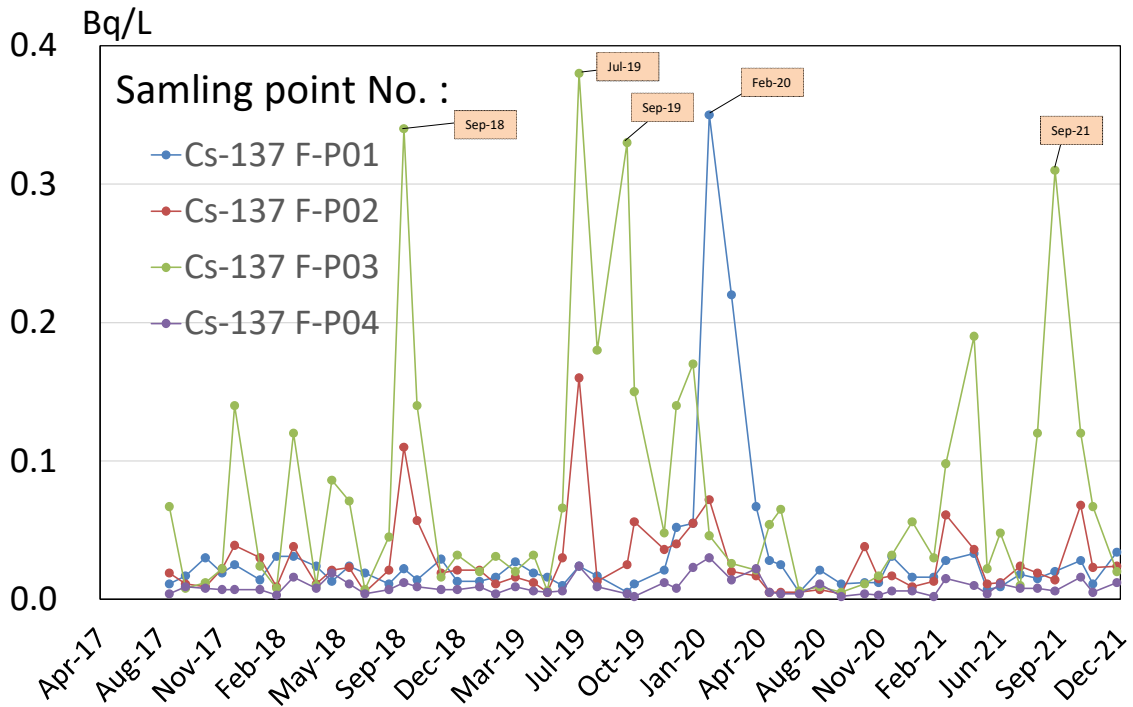
第一(発)沖合 2km F-P04	2020/11/12	ND	0.003	ND	0.03	0.0009	ND	ND
	2020/12/4	ND	0.006	ND	0.02	0.0005	ND	ND
	2021/1/7	ND	0.006	ND	0.02	0.0009	ND	ND
	2021/2/12	ND	0.002	ND	0.04	0.0006	ND	ND
	2021/3/4	ND	0.015	ND	0.02	0.0009	ND	ND
	2021/4/20	ND	0.010	ND	0.02	0.0007	ND	0.000011
	2021/5/12	ND	0.004	ND	0.02	0.0007	ND	ND
	2021/6/3	ND	0.011	ND	0.02	0.0010	ND	0.000008
	2021/7/6	ND	0.008	ND	0.01	0.0011	ND	ND
	2021/8/4	ND	0.008	ND	0.02	0.0006	ND	ND
	2021/9/2	ND	0.006	ND	0.01	0.0008	ND	ND
	2021/10/15	ND	0.016	ND	0.02	0.0011	ND	ND
	2021/11/4	ND	0.005	ND	0.02	0.0009	ND	ND
	2021/12/14	ND	0.012	ND	0.02	0.0009	ND	0.000007

※1 福島県の発表(<http://www.pref.fukushima.lg.jp/site/portal/genan208.html>)

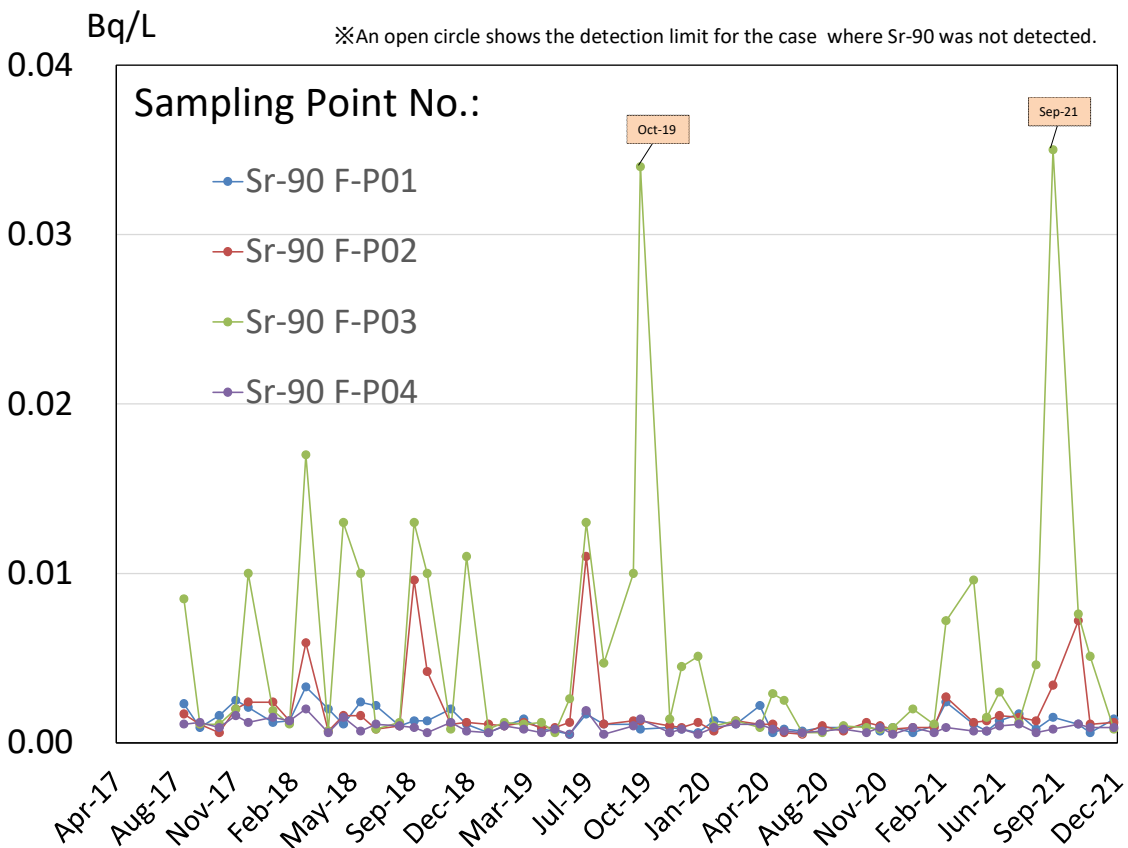
※1 Press release of Fukushima Prefecture (<http://www.pref.fukushima.lg.jp/site/portal/genan208.html>)

※2 NDの記載は、海水の放射性物質濃度の検出値が検出下限値を下回る場合。

※2 ND indicates the case that the detected radioactivity concentration in seawater was lower than the detection limits.

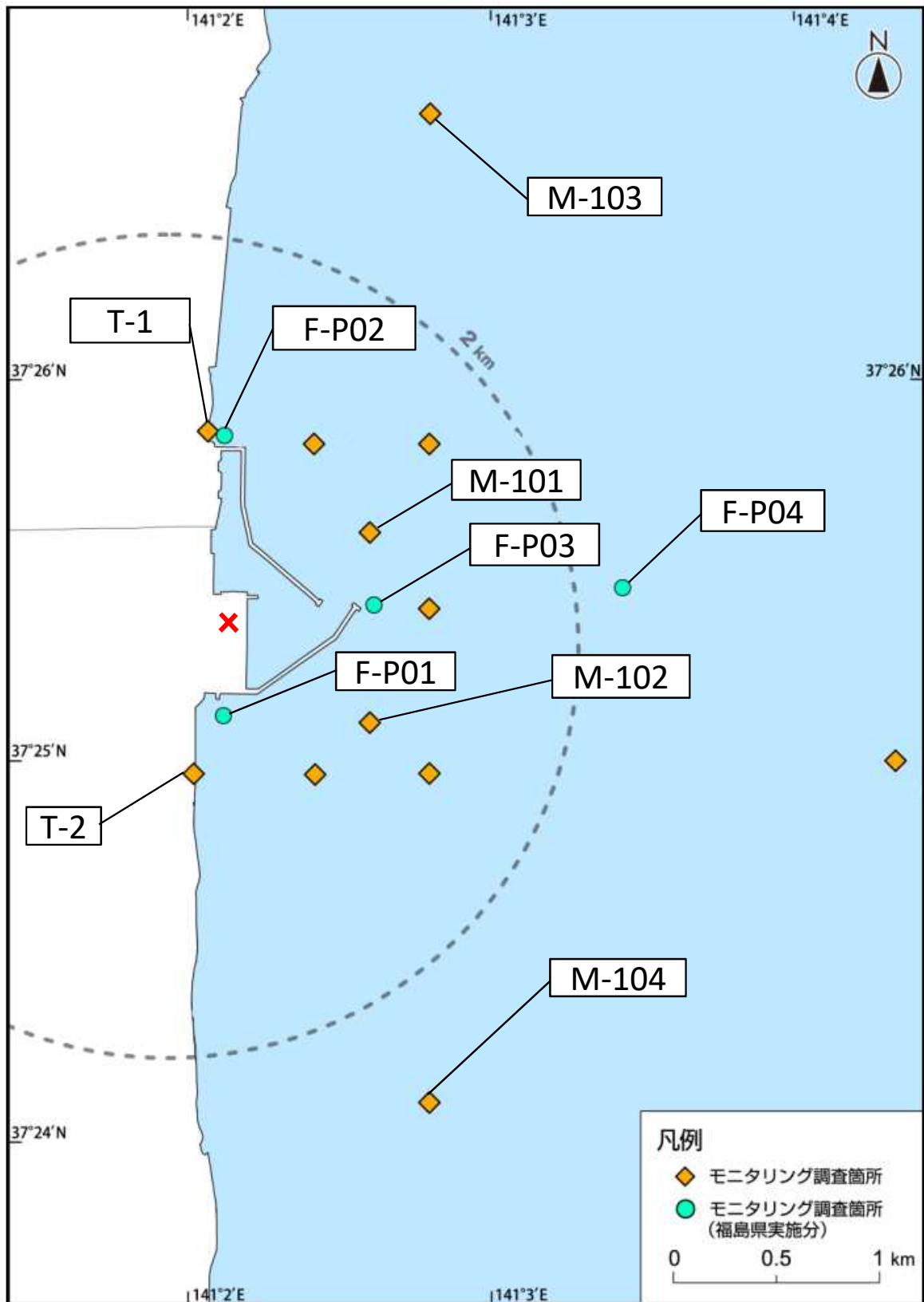


Concentration ranges of Cs-137 in sea-water near the Fukushima Daiichi NPS surveyed by Fukushima prefecture



Concentration ranges of Sr-90 in sea-water near the Fukushima Daiichi NPS surveyed by Fukushima prefecture

福島第一原子力発電所近傍海域の海水採取ポイント  
( Seawater sampling points near and around Fukushima Dai-ichi NPP )



\* 図中の×は東京電力ホールディングス㈱福島第一原子力発電所を示す。

\* The mark × indicates the location of TEPCO Fukushima Dai-ichi NPP.



福島第一原子力発電所沿岸海域の海水の放射性物質濃度測定結果  
 (東京電力ホールディングス㈱の発表をもとに作成<sup>※1</sup>)  
 試料採取日: 令和4年2月22日

Radioactivity concentration in the seawater around Fukushima Dai-ichi NPP  
 (Based on the press release of TEPCO<sup>※1</sup>)  
 Sampling Date: Feb 22, 2022

令和4年3月29日  
 Mar 29, 2022

Cs-134	Cs-137	H-3	全α (gross α)	全β <sup>※3</sup> (gross β)	Sr-90	Pu-238	Pu-239+240
放射線物質濃度 (Bq/L) (※2 ND : 不検出)							
Radioactivity concentration (Bq/L) (※2 ND : Not Detectable)							

T-3	2021/11/11 14:00	ND(0.0014)	0.032						
	2021/11/16 14:35	ND(0.0012)	0.016	ND(0.29)		ND(13)			
	2021/11/24 14:30	ND(0.0012)	0.027						
	2021/11/30 14:05	ND(0.0014)	0.024						
	2021/12/7 15:10	ND(0.0014)	0.024	ND(0.29)		17			
	2021/12/14 15:00	0.0018	0.041						
	2021/12/21 11:15	ND(0.0012)	0.029	ND(0.32)		15			
	2021/12/28 14:00	ND(0.0011)	0.019						
	2022/1/4 15:20	ND(0.0014)	0.016	0.38		20			
	2022/1/11 14:05	ND(0.00092)	0.015						
	2022/1/18 14:45	ND(0.0014)	0.014	ND(0.31)		17			
	2022/1/25 15:00	ND(0.0013)	0.024						
	2022/2/1 14:05	ND(0.0012)	0.017	ND(0.31)		ND(14)			
	2022/2/8 14:40	ND(0.0011)	0.017						
2022/2/15 14:20	ND(0.0011)	0.022	ND(0.31)		ND(13)				
2022/2/22 14:25	<b>ND(0.0011)</b>	<b>0.033</b>							
T-4	2021/11/11 11:35	ND(0.0010)	0.022						
	2021/11/16 8:35	ND(0.0013)	0.025						
	2021/11/24 13:10	0.0016	0.033						
	2021/11/30 11:50	ND(0.0014)	0.017						
	2021/12/7 8:10	ND(0.0011)	0.026						
	2021/12/14 10:10	0.0015	0.034						
	2021/12/21 9:35	ND(0.0013)	0.022						
	2021/12/28 8:40	ND(0.0012)	0.012						
	2022/1/4 10:10	ND(0.0012)	0.012						
	2022/1/11 11:50	ND(0.0010)	0.0099						
	2022/1/18 8:40	ND(0.0012)	0.0088						
	2022/1/25 12:00	ND(0.0012)	0.022						
	2022/2/1 8:15	ND(0.0014)	0.010						
	2022/2/8 10:05	ND(0.0012)	0.0096						
2022/2/15 10:05	ND(0.0012)	0.016							
2022/2/22 10:10	<b>ND(0.0012)</b>	<b>0.021</b>							
T-6	2021/11/11 10:05	0.0015	0.050						
	2021/11/16 10:25	ND(0.0013)	0.017	ND(0.30)		16			
	2021/11/24 11:25	ND(0.0011)	0.026						
	2021/11/30 10:20	ND(0.0010)	0.019						
	2021/12/7 10:05	0.0017	0.037	ND(0.29)		ND(14)			
	2021/12/14 12:05	ND(0.0012)	0.020						
	2021/12/21 14:35	ND(0.0011)	0.023	ND(0.32)		ND(13)			
	2021/12/28 10:40	ND(0.0013)	0.021						
	2022/1/4 11:30	ND(0.0013)	0.025	0.39		ND(12)			
	2022/1/11 10:25	ND(0.0012)	0.018						
	2022/1/18 10:15	ND(0.0011)	0.0095	ND(0.31)		ND(13)			
	2022/1/25 10:10	ND(0.0011)	0.021						
	2022/2/1 10:15	ND(0.0014)	0.014	ND(0.31)		15			
	2022/2/8 11:30	ND(0.0014)	0.010						
2022/2/15 11:25	ND(0.0013)	0.016	ND(0.32)		18				
2022/2/22 12:00	<b>ND(0.0011)</b>	<b>0.013</b>							

○ : 上層(表層~2m) Outer Layer

\* 太字下線データが今回追加分。 \* Boldface and underlined readings are new.

※1 東京電力ホールディングス㈱の発表 (<https://www.tepco.co.jp/decommission/data/analysis/index-j.html>)

※1 Press release of TEPCO (<https://www.tepco.co.jp/en/nu/fukushima-np/f1/smp/index-e.html>)

※2 NDの記載は、海水の放射性物質濃度の検出値が検出下限値を下回る場合。( )内は検出下限値。

※2 ND indicates the case that the detected radioactivity concentration in seawater was lower than the detection limits. The lower detection limit is in parenthesis.

※3 分析方法: 蒸発乾燥法

※3 Analytical method: Evaporation drying method

参考

reference

福島第一原発事故以前の海水のモニタリング結果:

(<https://radioactivity.nsr.go.jp/ja/contents/9000/8483/24/Beforedisaster.pdf>)

Results of radiation monitoring before the accident at TEPCO's Fukushima Dai-ichi NPP Nuclear Power Station.

(<https://radioactivity.nsr.go.jp/ja/contents/9000/8483/24/Beforedisaster.pdf>)

Cs-134	Cs-137	H-3	全α (gross α)	全β <sup>※3</sup> (gross β)	Sr-90	Pu-238	Pu-239+240
放射性物質濃度 (Bq/L) (※2 ND : 不検出) Radioactivity concentration (Bq/L) (※2 ND : Not Detectable)							

T-5	2021/11/8 7:29	ND(0.0013)	0.0027						O
		ND(0.0014)	0.0028						L
	2021/11/15 7:31	ND(0.0013)	0.0025	ND(0.30)		17			O
		ND(0.0011)	0.0025						L
	2021/11/24 7:22	ND(0.0011)	0.0017						O
		ND(0.0012)	0.0025						L
	2021/11/29 7:31	ND(0.0013)	0.0027						O
		ND(0.0014)	0.0025						L
	2021/12/6 7:29	ND(0.0013)	0.0037	ND(0.29)	ND(2.3)	ND(12)	0.0018		O
		ND(0.0014)	0.0022						L
	2021/12/15 7:14	ND(0.0011)	0.0041						O
		ND(0.0014)	0.0016						L
	2021/12/20 7:28	ND(0.0013)	0.0012	ND(0.31)		ND(13)			O
		ND(0.0010)	0.0020						L
	2021/12/29 7:27	ND(0.0012)	0.0021						O
		ND(0.0013)	0.0026						L
	2022/1/4 7:32	ND(0.0012)	0.0024	ND(0.29)	ND(2.4)	18	0.0013		O
		ND(0.0011)	0.0020						L
	2022/1/11 7:27	ND(0.0013)	0.0023						O
		ND(0.0013)	0.0035						L
2022/1/17 7:30	ND(0.0014)	0.0026	ND(0.31)		ND(13)			O	
	ND(0.0012)	0.0021						L	
2022/1/24 7:41	ND(0.0014)	0.0031						O	
	ND(0.0012)	0.0017						L	
2022/2/1 7:34	ND(0.0010)	0.0022	ND(0.30)	ND(2.1)	ND(14)	0.0013		O	
	ND(0.0013)	0.0038						L	
2022/2/7 7:28	ND(0.0012)	0.0060						O	
	ND(0.0012)	0.0020						L	
2022/2/15 7:32	ND(0.0012)	0.0029	ND(0.31)		ND(13)			O	
	ND(0.0013)	0.0027						L	
2022/2/22 7:21	<b>ND(0.0012)</b>	<b>0.0023</b>						O	
	<b>ND(0.0012)</b>	<b>0.0021</b>						L	

T-D1	2021/11/8 7:54	ND(0.0013)	0.0049						O
		ND(0.0013)	0.012						L
	2021/11/15 8:06	ND(0.0010)	0.0093	ND(0.30)		ND(13)			O
		ND(0.0014)	0.0087						L
	2021/11/25 8:15	ND(0.00094)	0.026						O
		ND(0.0012)	0.0058						L
	2021/11/29 7:59	ND(0.0014)	0.0052						O
		ND(0.0013)	0.0057						L
	2021/12/6 7:57	ND(0.0012)	0.017	ND(0.29)	ND(2.3)	15	0.0012		O
		ND(0.0012)	0.011						L
	2021/12/14 7:58	ND(0.0013)	0.0070						O
		ND(0.0012)	0.0061						L
	2021/12/20 7:51	ND(0.0013)	0.010	ND(0.31)		14			O
		ND(0.0013)	0.0081						L
	2021/12/29 7:58	ND(0.0011)	0.0055						O
		ND(0.0013)	0.0071						L
	2022/1/4 8:03	ND(0.0011)	0.0063	ND(0.29)	ND(2.4)	ND(12)	ND(0.00080)		O
		ND(0.0014)	0.0075						L
	2022/1/11 7:50	ND(0.0014)	0.0056						O
		ND(0.0012)	0.0060						L
2022/1/17 8:00	ND(0.0011)	0.0065	ND(0.31)		ND(13)			O	
	ND(0.0012)	0.0069						L	
2022/1/24 8:22	ND(0.0013)	0.0067						O	
	ND(0.0013)	0.0065						L	
2022/2/1 8:17	ND(0.0010)	0.0046	ND(0.31)	ND(2.1)	ND(14)	0.0011		O	
	ND(0.00093)	0.0081						L	
2022/2/7 7:52	ND(0.00099)	0.0028						O	
	ND(0.0010)	0.0036						L	
2022/2/15 7:57	ND(0.0014)	0.0031	ND(0.31)		ND(13)			O	
	ND(0.0014)	0.0039						L	
2022/2/22 7:51	<b>ND(0.0013)</b>	<b>0.0035</b>						O	
	<b>ND(0.0012)</b>	<b>0.0040</b>						L	

O: 上層 (表層~2m) Outer Layer  
L: 下層 (海底より2~3m) Lower Layer

Cs-134	Cs-137	H-3	全α (gross α)	全β <sup>※3</sup> (gross β)	Sr-90	Pu-238	Pu-239+240
放射性物質濃度(Bq/L) (※2 ND : 不検出)							
Radioactivity concentration (Bq/L) (※2 ND : Not Detectable)							

T-D5	2021/11/8 8:21	ND(0.0012)	0.0095					O
		ND(0.0013)	0.0065					L
	2021/11/15 8:39	ND(0.0012)	0.015	ND(0.30)		ND(13)		O
		ND(0.0011)	0.010					L
	2021/11/25 8:45	ND(0.0013)	0.0044					O
		ND(0.0011)	0.0063					L
	2021/11/29 8:26	ND(0.0012)	0.0057					O
		ND(0.0013)	0.0065					L
	2021/12/6 8:27	ND(0.0011)	0.0084	ND(0.29)	ND(2.3)	16	0.0022	O
		ND(0.0012)	0.010					L
	2021/12/14 8:27	ND(0.0012)	0.011					O
		ND(0.0013)	0.021					L
	2021/12/20 8:19	ND(0.0014)	0.0044	ND(0.31)		ND(13)		O
		ND(0.0010)	0.0054					L
	2021/12/29 8:24	ND(0.0013)	0.0076					O
		ND(0.00094)	0.0057					L
	2022/1/4 8:32	ND(0.0014)	0.0043	ND(0.29)	ND(2.4)	ND(12)	0.0013	O
		ND(0.0014)	0.0046					L
	2022/1/11 8:15	ND(0.0012)	0.0021					O
		ND(0.0014)	0.0033					L
2022/1/17 8:28	ND(0.0014)	0.0019	ND(0.31)		ND(13)		O	
	ND(0.0011)	0.0022					L	
2022/1/24 8:50	ND(0.0010)	0.0032					O	
	ND(0.0011)	0.0047					L	
2022/2/1 8:49	ND(0.0012)	0.015	ND(0.31)	ND(2.1)	ND(14)	0.0012	O	
	ND(0.0013)	0.0059					L	
2022/2/7 8:17	ND(0.0011)	0.0030					O	
	ND(0.0011)	0.0015					L	
2022/2/15 8:24	ND(0.0011)	0.0029	ND(0.30)		ND(13)		O	
	ND(0.00099)	0.0041					L	
2022/2/22 8:17	<b>ND(0.0012)</b>	<b>0.0034</b>					O	
	<b>ND(0.0013)</b>	<b>0.0025</b>					L	
T-D9	2021/11/8 8:22	ND(0.0012)	0.011					O
		ND(0.0013)	0.0068					L
	2021/11/15 8:34	ND(0.0012)	0.0064	ND(0.30)		ND(13)		O
		ND(0.0014)	0.0064					L
	2021/11/24 8:23	ND(0.0012)	0.0046					O
		ND(0.0013)	0.0053					L
	2021/11/29 8:29	ND(0.0012)	0.0061					O
		ND(0.0013)	0.0057					L
	2021/12/6 8:36	ND(0.0014)	0.0084	ND(0.29)	ND(2.3)	ND(12)	0.0013	O
		ND(0.0012)	0.010					L
	2021/12/15 8:09	ND(0.0013)	0.010					O
		ND(0.0011)	0.012					L
	2021/12/20 8:33	ND(0.0012)	0.0070	ND(0.31)		ND(13)		O
		ND(0.0011)	0.0046					L
	2021/12/29 8:28	ND(0.0012)	0.0056					O
		ND(0.0012)	0.0056					L
	2022/1/4 8:40	ND(0.0010)	0.0023	ND(0.29)	ND(2.4)	ND(12)	0.00080	O
		ND(0.0011)	0.0036					L
	2022/1/11 8:29	ND(0.0013)	0.0031					O
		ND(0.0012)	0.0030					L
2022/1/17 8:22	ND(0.0012)	0.0028	ND(0.31)		16		O	
	ND(0.0012)	0.0036					L	
2022/1/24 8:30	ND(0.0012)	0.0028					O	
	ND(0.0013)	0.0023					L	
2022/2/1 8:38	ND(0.0013)	0.0031	ND(0.31)	ND(2.1)	ND(14)	0.0012	O	
	ND(0.0013)	0.0034					L	
2022/2/7 8:18	ND(0.0013)	0.0037					O	
	ND(0.0011)	0.0024					L	
2022/2/15 8:28	ND(0.0010)	0.0047	ND(0.30)		ND(13)		O	
	ND(0.0012)	0.0062					L	
2022/2/22 8:22	<b>ND(0.0012)</b>	<b>0.0031</b>					O	
	<b>ND(0.0012)</b>	<b>0.0042</b>					L	

O : 上層(表層~2m) Outer Layer  
 L : 下層(海底より2~3m上) Lower Layer

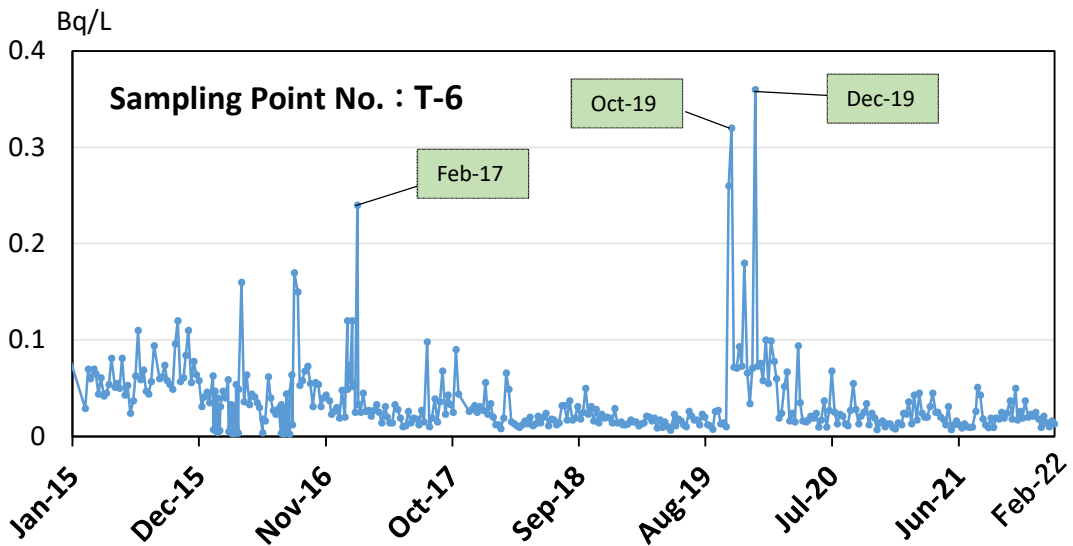
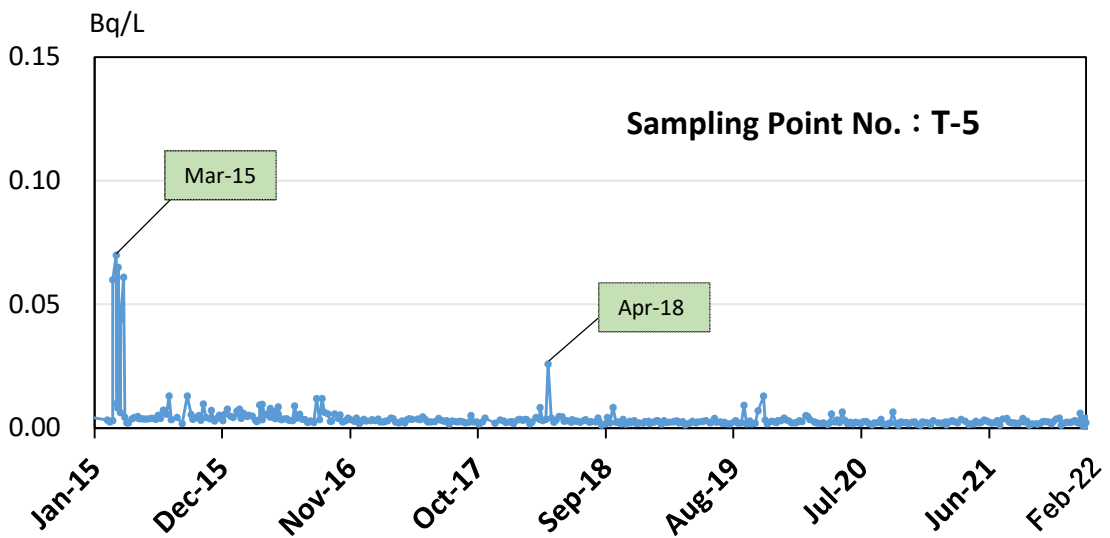
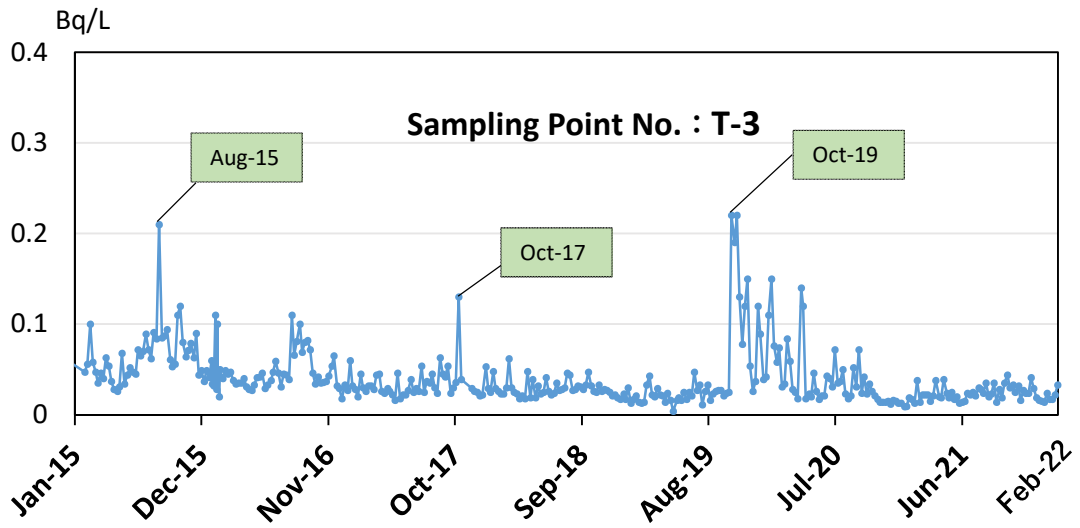
Cs-134	Cs-137
--------	--------

放射性物質濃度 (Bq/L) (\*2 ND : 不検出)  
Radioactivity concentration (Bq/L) (\*2 ND : Not Detectable)

T-11	2021/11/8 8:53	ND(0.0012)	0.014	O
		ND(0.0014)	0.018	L
	2021/11/15 9:15	ND(0.0013)	0.0084	O
		ND(0.0014)	0.012	L
	2021/11/24 8:54	ND(0.0013)	0.0072	O
		ND(0.0012)	0.0089	L
	2021/11/29 9:05	ND(0.0011)	0.0091	O
		ND(0.0013)	0.0087	L
	2021/12/6 9:28	ND(0.0013)	0.011	O
		ND(0.0012)	0.0083	L
	2021/12/15 8:38	ND(0.0014)	0.015	O
		ND(0.0012)	0.013	L
	2021/12/20 9:06	ND(0.0012)	0.0092	O
		ND(0.0013)	0.0097	L
	2021/12/29 9:01	ND(0.0014)	0.0030	O
		ND(0.0013)	0.0026	L
	2022/1/4 9:32	ND(0.0012)	0.0049	O
		ND(0.0012)	0.0042	L
	2022/1/11 8:58	ND(0.0013)	0.0019	O
		ND(0.0012)	0.0023	L
2022/1/17 8:54	ND(0.0013)	0.0024	O	
	ND(0.0013)	0.0026	L	
2022/1/24 8:59	ND(0.0013)	0.0034	O	
	ND(0.0014)	0.0026	L	
2022/2/1 9:08	ND(0.0013)	0.0036	O	
	ND(0.0012)	0.0034	L	
2022/2/7 8:46	ND(0.0013)	0.0029	O	
	ND(0.0011)	0.0024	L	
2022/2/15 8:59	ND(0.0013)	0.0083	O	
	ND(0.0012)	0.0064	L	
2022/2/22 8:53	<b>ND(0.0014)</b>	<b>0.0031</b>	O	
	<b>ND(0.0012)</b>	<b>0.0033</b>	L	

T-14	2021/11/8 7:35	ND(0.0014)	0.0050	O
		ND(0.0014)	0.010	L
	2021/11/15 7:44	ND(0.0014)	0.0064	O
		ND(0.0014)	0.0080	L
	2021/11/25 7:52	ND(0.0014)	0.0046	O
		ND(0.0014)	0.0045	L
	2021/11/29 7:41	ND(0.0014)	0.0041	O
		ND(0.0014)	0.0073	L
	2021/12/6 7:36	ND(0.0014)	0.0080	O
		ND(0.0014)	0.017	L
	2021/12/14 7:36	ND(0.0014)	0.0080	O
		ND(0.0014)	0.0037	L
	2021/12/20 7:29	ND(0.0014)	0.0056	O
		ND(0.0014)	0.0071	L
	2021/12/29 7:39	ND(0.0014)	0.0073	O
		ND(0.0014)	0.0053	L
	2022/1/4 7:38	ND(0.0014)	0.0045	O
		ND(0.0014)	0.0041	L
	2022/1/11 7:33	ND(0.0013)	0.0049	O
		ND(0.0014)	0.0062	L
2022/1/17 7:40	ND(0.0014)	0.0047	O	
	ND(0.0014)	0.0049	L	
2022/1/24 8:03	ND(0.0014)	0.0062	O	
	ND(0.0014)	0.0084	L	
2022/2/1 7:44	ND(0.0014)	0.0041	O	
	ND(0.0014)	0.0053	L	
2022/2/7 7:32	ND(0.0014)	0.0031	O	
	ND(0.0014)	0.0054	L	
2022/2/15 7:38	ND(0.0014)	0.0027	O	
	ND(0.0014)	0.011	L	
2022/2/22 7:31	<b>ND(0.0014)</b>	<b>0.0032</b>	O	
	<b>ND(0.0014)</b>	<b>0.0032</b>	L	

O : 上層 (表層~2m) Outer Layer  
L : 下層 (海底より2~3m上) Lower Layer



**Concentration ranges of Cs-137 in sea-water around the Fukushima Daiichi NPS surveyed by TEPCO**

# 福島第一原子力発電所沿岸の海域モニタリング結果

## Readings of Sea Area Monitoring around Fukushima Dai-ichi NPP

試料採取日: 令和4年1月13日、15日  
(Sampling Date: Jan 13, 15, 2021)

令和4年3月15日  
Mar 15, 2022  
原子力規制委員会  
Nuclear Regulation Authority (NRA)

		Cs-134	Cs-137	Sr-90	H-3	
採取日 Sampling Date	採取深度 Sampling Depth (m)	放射性物質濃度 Bq/L (※ ND : 不検出) Radioactivity concentration (Bq/L) (※ ND : Not Detectable)				
T-D1	2021/2/5	0.5	0.00043	0.0079	0.00075	0.12
	2021/3/5	0.5	0.00044	0.010	0.0013	0.072
	2021/4/22	0.5	ND(0.00051)	0.0077	0.00076	0.077
	2021/5/19	0.5	ND(0.00047)	0.0037	0.00069	ND(0.059)
	2021/6/11	0.5	ND(0.00045)	0.0031	0.00079	0.085
	2021/7/13	0.5	ND(0.00051)	0.0025	0.00057	0.16
	2021/8/7	0.5	ND(0.00042)	0.0031	0.00077	0.11
	2021/9/9	0.5	ND(0.00049)	0.0070	0.0011	0.076
	2021/10/8	0.5	0.00057	0.014	0.00095	0.076
	2021/11/5	0.5	ND(0.00056)	0.0039	0.00083	0.054
	2021/12/15	0.5	ND(0.00049)	0.0091	0.00088	0.16
	2022/1/13	0.5	ND(0.00044)	0.0096	0.00097	<b><u>ND(0.058)</u></b>
T-D5	2021/2/4	0.5	ND(0.00061)	0.0020	0.00066	0.085
	2021/3/4	0.5	ND(0.00028)	0.0063	0.00069	0.065
	2021/4/24	0.5	ND(0.00053)	0.0065	0.00065	0.12
	2021/5/18	0.5	ND(0.00051)	0.0048	0.00091	0.11
	2021/6/10	0.5	ND(0.00050)	0.0027	0.00086	0.14
	2021/7/14	0.5	ND(0.00052)	0.0024	0.00075	0.13
	2021/8/6	0.5	ND(0.00052)	0.0040	0.00077	0.10
	2021/9/10	0.5	ND(0.00050)	0.0029	0.00089	0.083
	2021/10/7	0.5	ND(0.00052)	0.0049	0.0010	0.13
	2021/11/4	0.5	ND(0.00052)	0.0055	0.00067	0.064
	2021/12/14	0.5	ND(0.00051)	0.0090	0.00076	ND(0.059)
	2022/1/15	0.5	ND(0.00047)	0.0025	0.00092	<b><u>ND(0.054)</u></b>
T-D9	2021/2/4	0.5	ND(0.00058)	0.0027	0.00068	0.079
	2021/3/4	0.5	ND(0.00029)	0.0050	0.00079	0.058
	2021/4/24	0.5	ND(0.00053)	0.0026	0.00087	0.088
	2021/5/18	0.5	ND(0.00048)	0.0036	0.00093	ND(0.049)
	2021/6/10	0.5	ND(0.00050)	0.0043	0.00071	0.074
	2021/7/14	0.5	ND(0.00052)	0.0030	0.00086	0.12
	2021/8/6	0.5	ND(0.00048)	0.0040	0.00099	0.074
	2021/9/10	0.5	ND(0.00047)	0.0027	0.00066	0.075
	2021/10/7	0.5	ND(0.00048)	0.0036	0.0011	0.18
	2021/11/4	0.5	ND(0.00053)	0.0060	0.00069	ND(0.048)
	2021/12/14	0.5	ND(0.00051)	0.0044	0.00082	0.099
	2022/1/15	0.5	ND(0.00056)	0.0026	0.00084	<b><u>ND(0.057)</u></b>

※ NDの記載は、海水の放射性物質濃度の検出値が検出下限値を下回る場合。( )内は検出下限値。

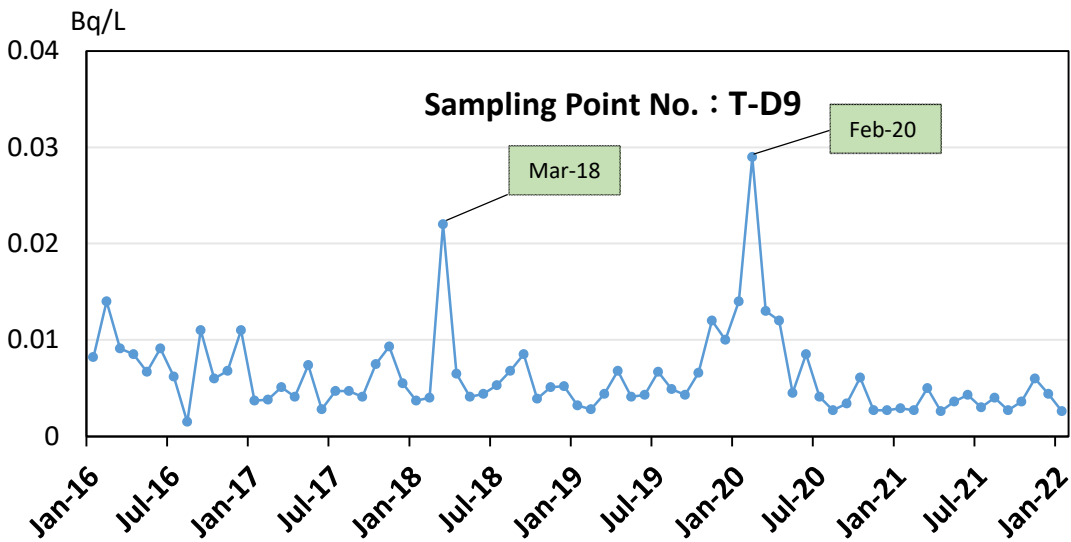
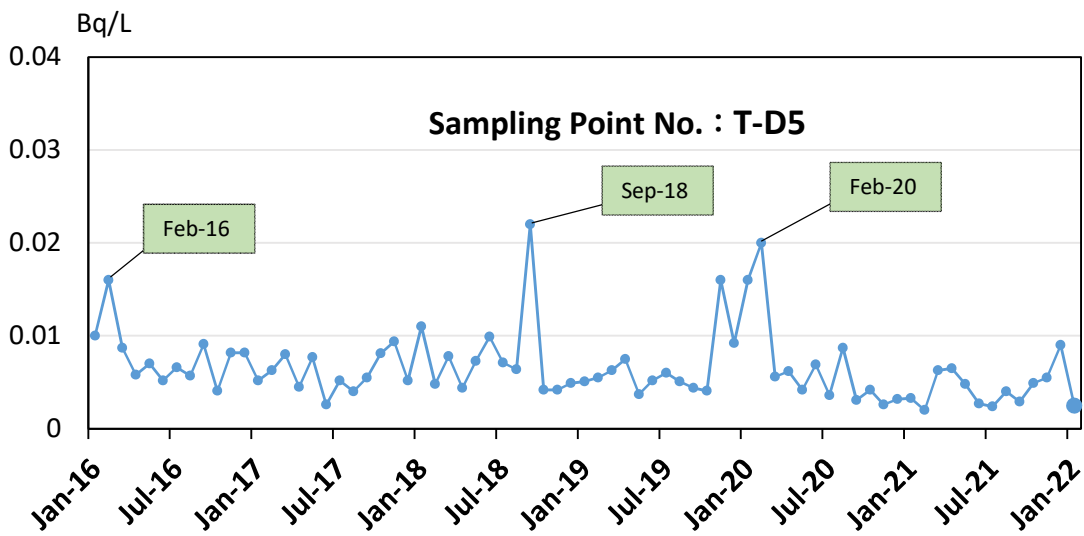
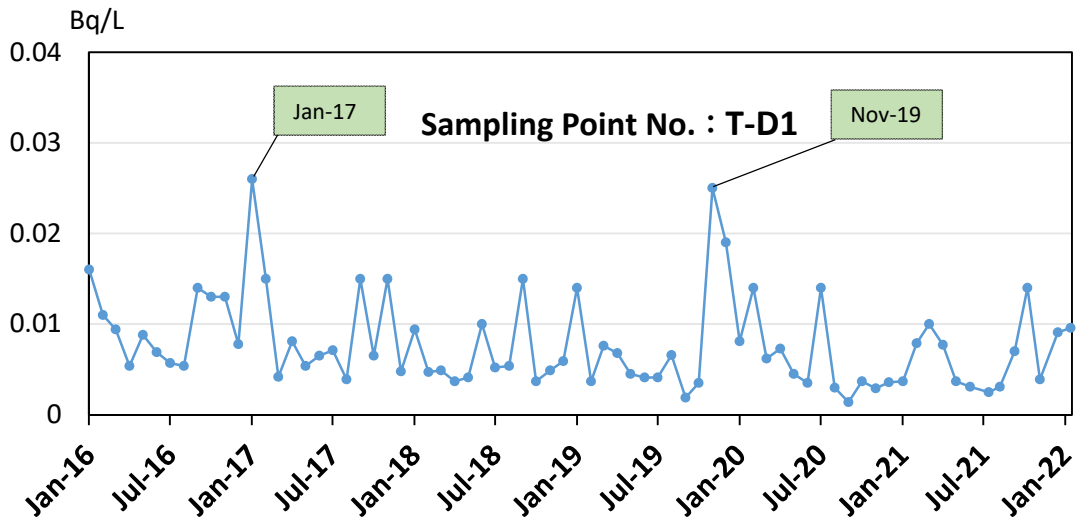
※ ND indicates the case that the detected radioactivity concentration in seawater was lower than the detection limits. The lower detection limit is in parenthesis.

\*原子力規制委員会の委託事業により、(公財)海洋生物環境研究所が採取した試料を用いて、(公財)海洋生物環境研究所[Cs,H-3]、(株)KANSOテクノス[Sr]が分析。

\* Analysis by Marine Ecology Research Institute (MERI)[Cs,H-3] and KANSO Co.,Ltd.[Sr] of the samples collected by MERI at the request of Nuclear Regulation Authority (NRA).

\* 太字下線データが今回追加分。

\* Boldface and underlined readings are new.



**Concentration ranges of Cs-137 in sea-water around the Fukushima Daiichi NPS surveyed by the NRA**

福島第一原子力発電所沿岸海域の海水の放射性物質濃度測定結果  
(福島県の発表をもとに作成<sup>※1</sup>)

Radioactivity concentration in the seawater around Fukushima Dai-ichi NPP  
(Based on the press release of Fukushima Prefecture<sup>※1</sup>)

採取日 Sampling date	Cs-134	Cs-137	H-3	全β Gross β	Sr-90	Pu-238	Pu-239+240
----------------------	--------	--------	-----	---------------	-------	--------	------------

放射性物質濃度 (検出下限値) (Bq/L) (ND<sup>※2</sup>: 不検出)  
Radioactivity concentration (Lower detection limit) (Bq/L) (ND<sup>※2</sup>: Not Detectable)

夫沢・熊川沖 2km (大熊 町) (F-P05)	2020/11/12	ND	0.004	ND	0.03	0.0011	ND	ND
	2020/12/4	ND	0.006	ND	0.03	0.0008	ND	ND
	2021/1/7	ND	0.004	ND	0.03	0.0010	ND	ND
	2021/2/12	ND	0.008	ND	0.03	0.0006	ND	0.000009
	2021/3/4	ND	0.010	ND	ND	0.0009	ND	ND
	2021/4/20	ND	0.010	ND	0.02	0.0008	ND	0.000010
	2021/5/12	ND	0.004	ND	0.02	0.0010	ND	ND
	2021/6/3	ND	0.006	ND	0.02	0.0012	ND	ND
	2021/7/6	ND	0.009	ND	0.01	0.0008	ND	ND
	2021/8/4	ND	0.005	ND	0.01	0.0010	ND	ND
	2021/9/2	ND	0.007	ND	0.01	0.0012	ND	ND
	2021/10/15	ND	0.012	ND	0.02	0.0014	ND	ND
	2021/11/4	ND	0.007	ND	0.02	0.0008	ND	ND
2021/12/14	ND	0.022	ND	0.02	0.0010	ND	0.000011	

前田川沖2km (双葉町) (F-P06)	2020/11/12	ND	0.005	ND	0.03	0.0008	ND	ND
	2020/12/4	ND	0.005	ND	0.03	0.0009	ND	ND
	2021/1/7	ND	0.006	ND	0.03	0.0009	ND	ND
	2021/2/12	ND	0.003	ND	0.04	0.0010	ND	ND
	2021/3/4	ND	0.023	ND	0.03	0.0012	ND	0.000009
	2021/4/20	ND	0.012	ND	0.02	0.0013	ND	ND
	2021/5/12	ND	0.006	ND	0.02	0.0008	ND	ND
	2021/6/3	ND	0.005	ND	0.02	0.0006	ND	0.000005
	2021/7/6	ND	0.009	ND	0.02	0.0009	ND	ND
	2021/8/4	ND	0.010	ND	0.02	0.0008	ND	0.000005
	2021/9/2	ND	0.008	ND	0.01	0.0016	ND	ND
	2021/10/15	ND	0.015	ND	0.02	0.0013	ND	0.000009
	2021/11/4	ND	0.006	ND	0.02	0.0007	ND	ND
2021/12/14	ND	0.012	ND	0.02	0.0010	ND	ND	

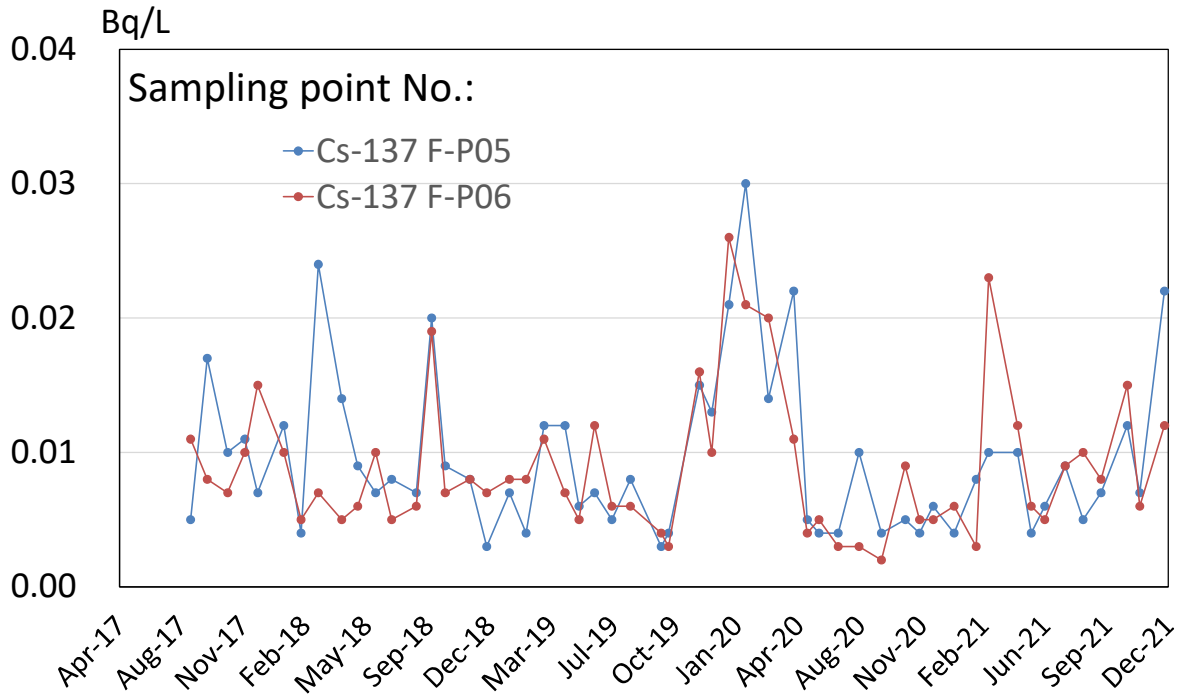
※1 福島県の発表(<http://www.pref.fukushima.lg.jp/site/portal/genan208.html>)

※1 Press release of Fukushima Prefecture (<http://www.pref.fukushima.lg.jp/site/portal/genan208.html>)

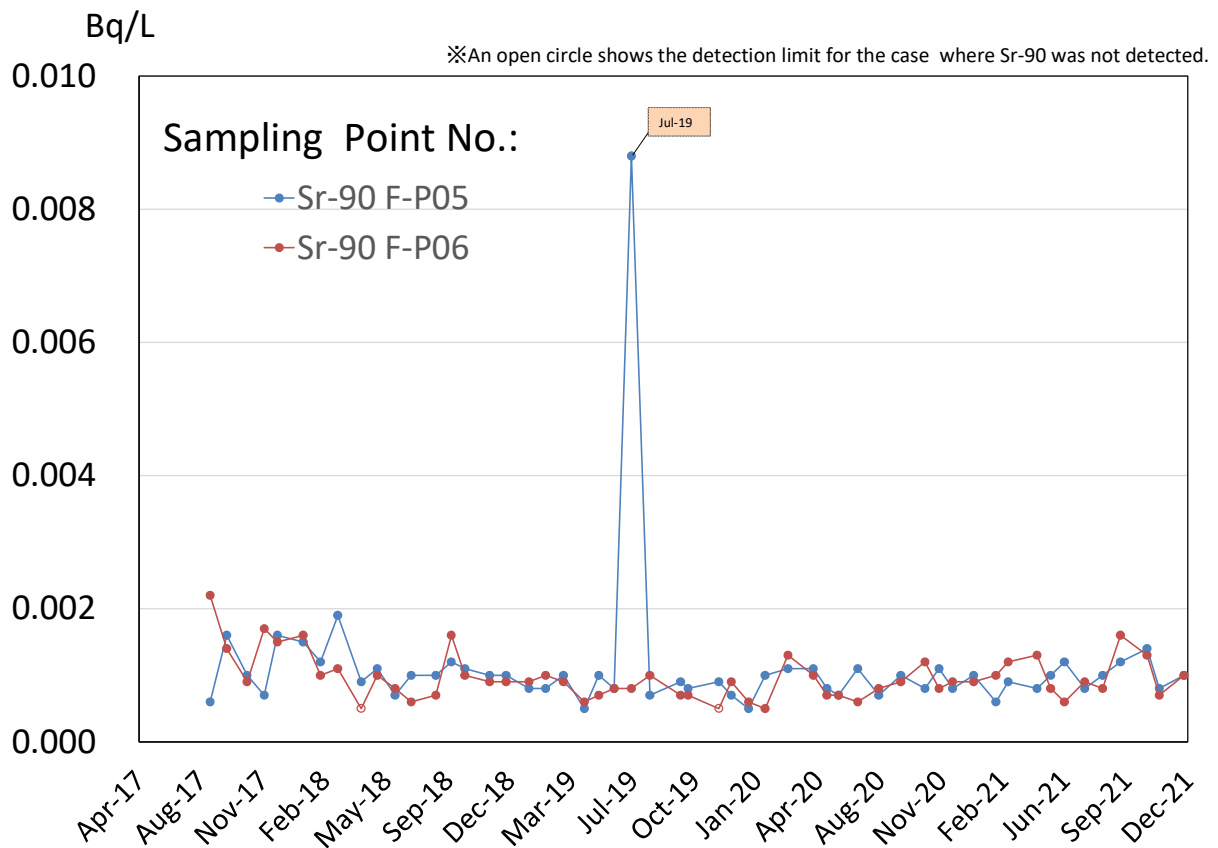
※2 NDの記載は、海水の放射性物質濃度の検出値が検出下限値を下回る場合。

※2 ND indicates the case that the detected radioactivity concentration in seawater was lower than the detection limits.



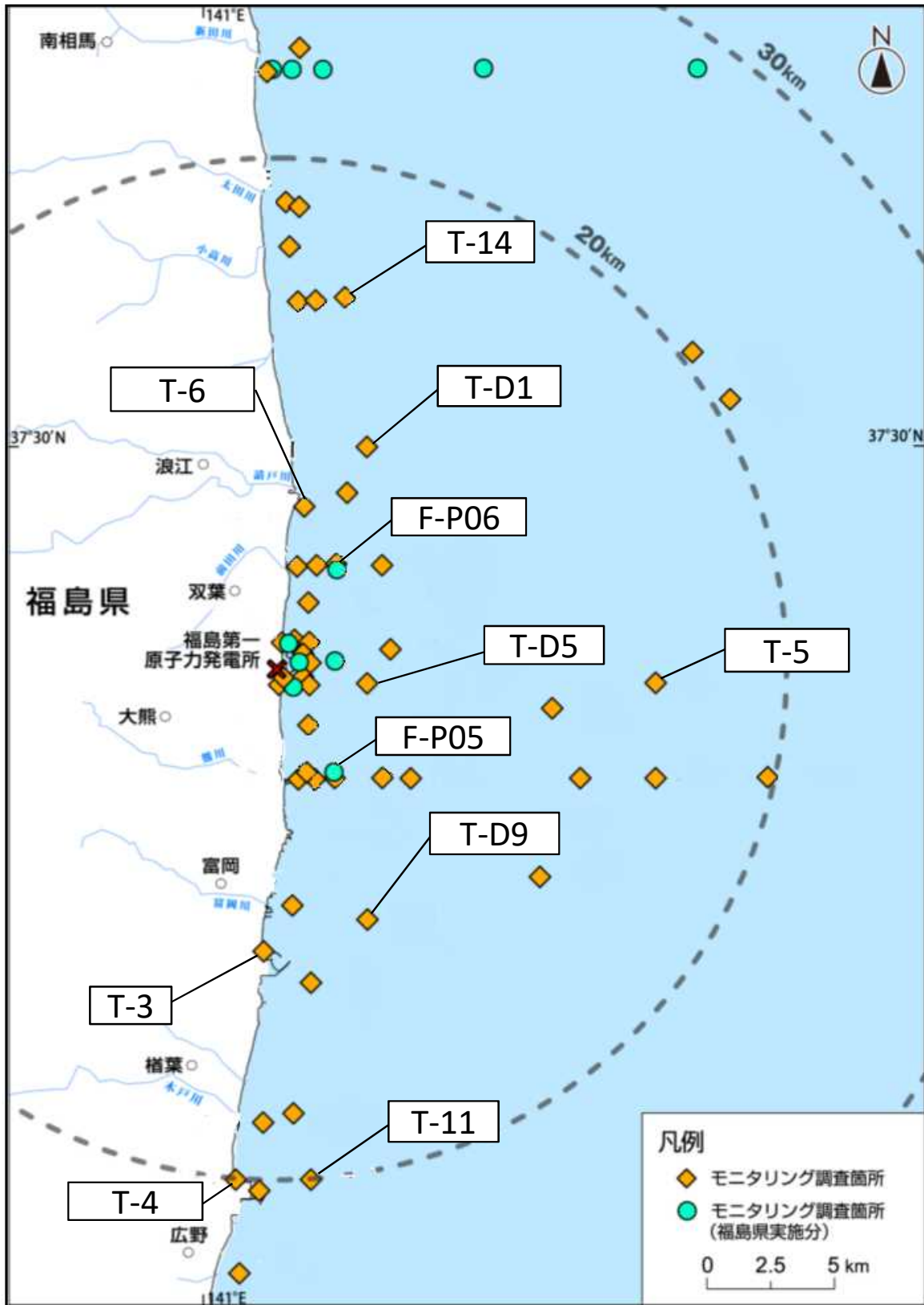


Concentration ranges of Cs-137 in sea-water around the Fukushima Daiichi NPS surveyed by Fukushima prefecture



Concentration ranges of Sr-90 in sea-water around the Fukushima Daiichi NPS surveyed by Fukushima prefecture

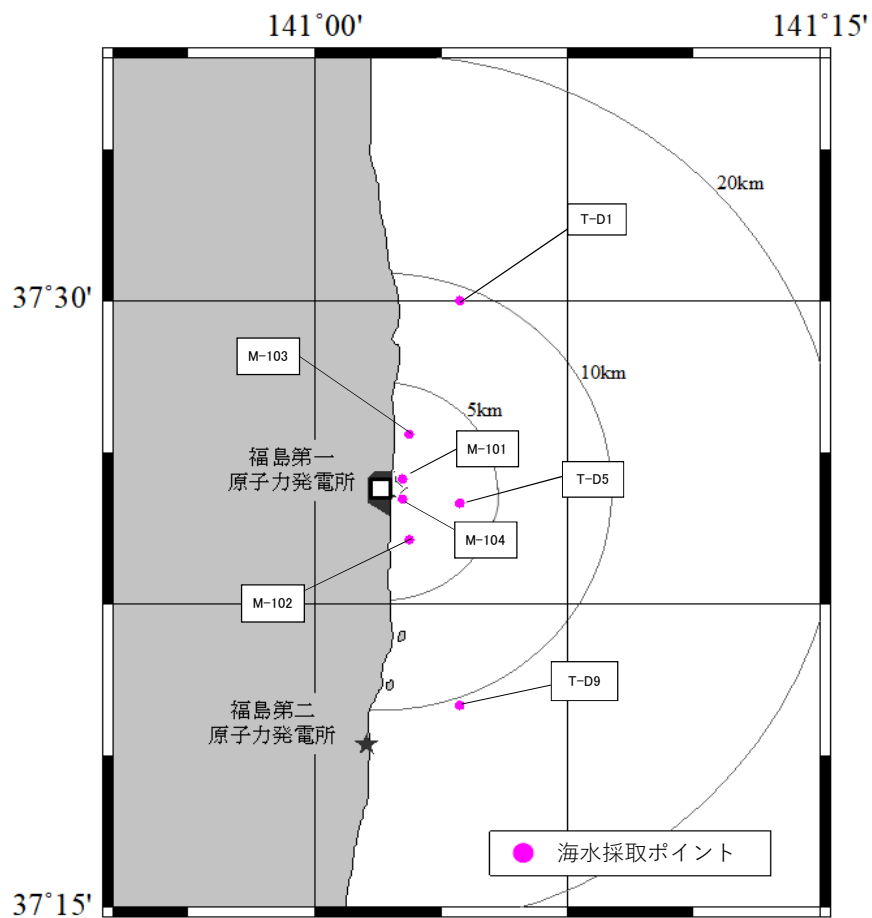
福島第一原子力発電所沿岸海域の海水採取ポイント  
 ( Seawater sampling points near and around Fukushima Dai-ichi NPP )



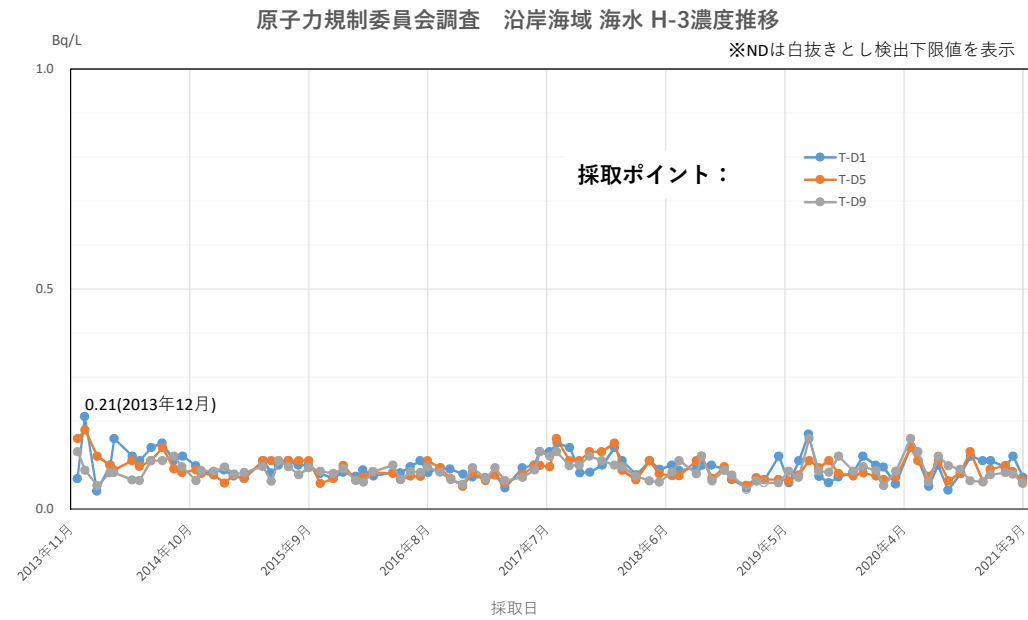
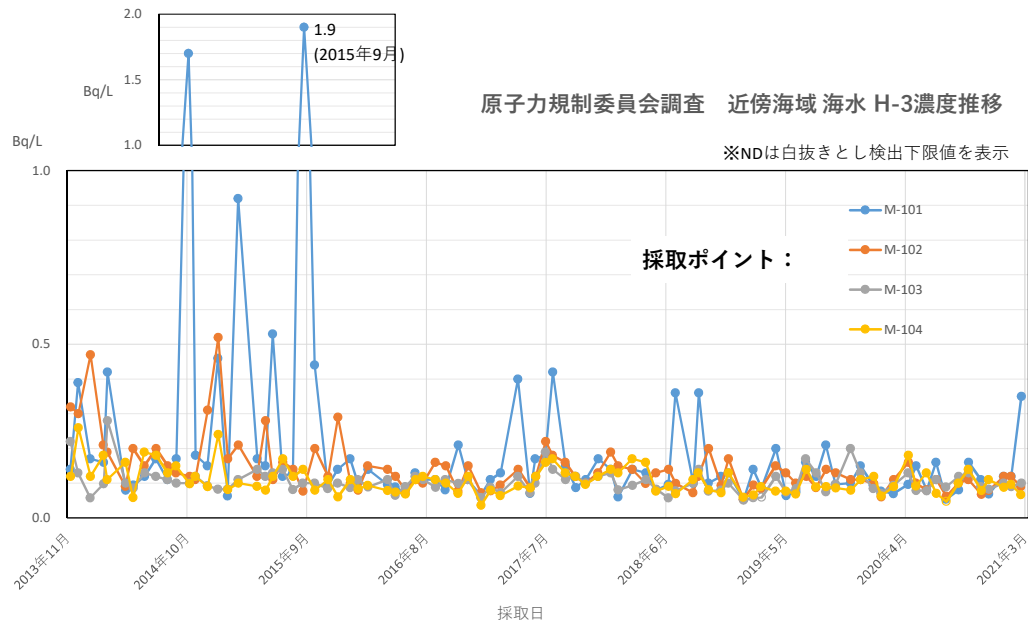
\* 図中の × は東京電力ホールディングス㈱福島第一原子力発電所を示す。

\* The mark × indicates the location of TEPCO Fukushima Dai-ichi NPP.

福島第一原子力発電所周辺の海域の海水採取ポイント  
 (Seawater sampling points around Fukushima Dai-ichi NPP)

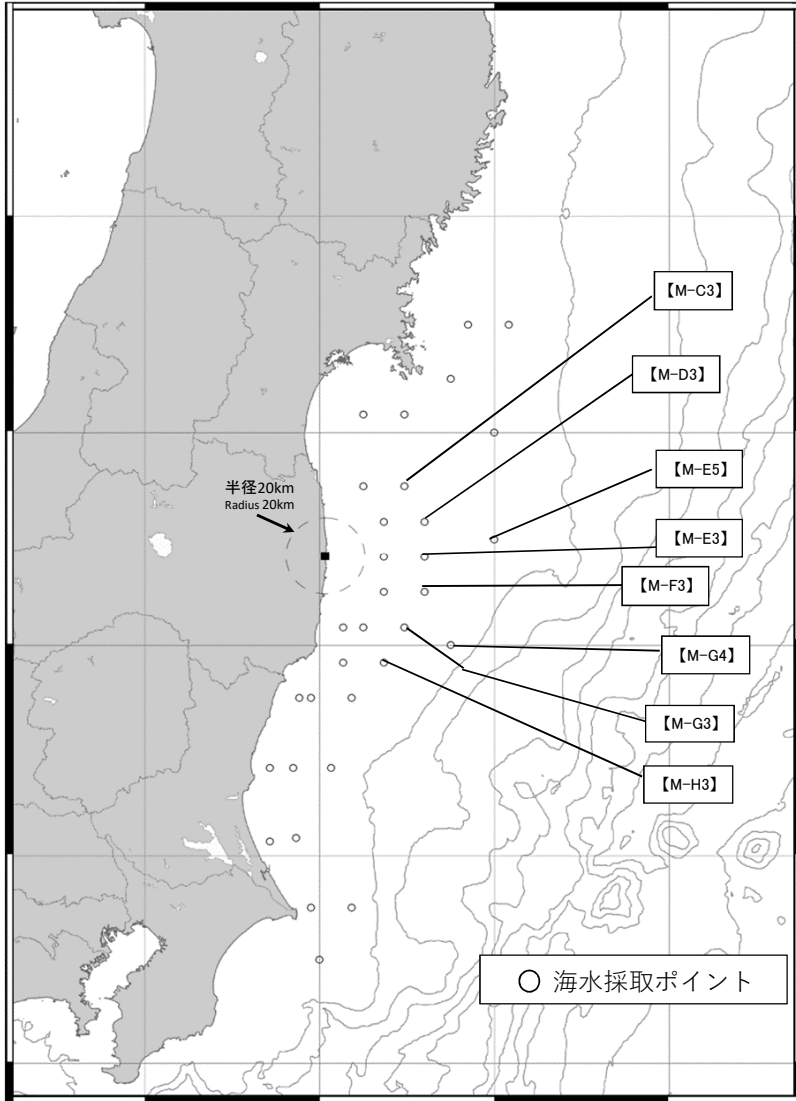


\* 図中の□は東京電力ホールディングス株式会社福島第一原子力発電所、★は東京電力ホールディングス株式会社福島第二原子力発電所を示す。  
 \* The legend □ indicates the location of TEPCO Fukushima Dai-ichi NPP.  
 The legend ★ indicates the location of TEPCO Fukushima Dai-ni NPP.



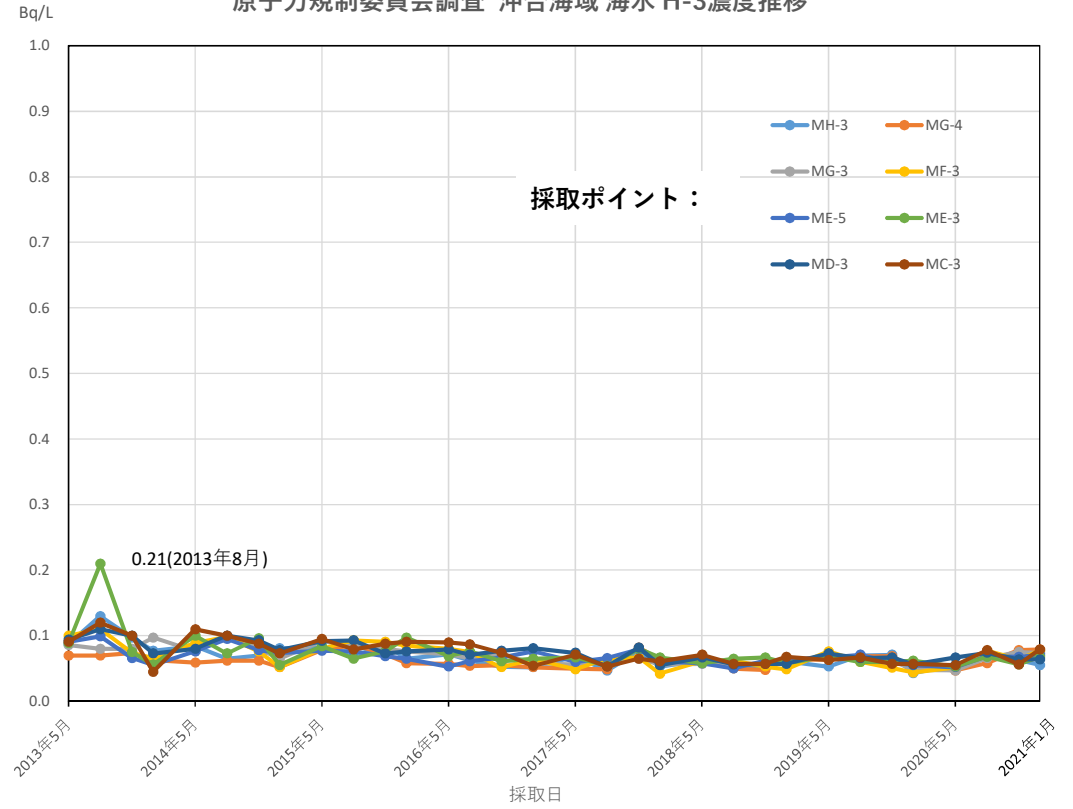
宮城県・福島県・茨城県・千葉県沖における海域の海水採取ポイント

Seawater sampling points offshore of Miyagi, Fukushima, Ibaraki and Chiba Prefecture



\* The legend ■ indicates the location of TEPCO Fukushima Dai-ichi NPP.

原子力規制委員会調査 沖合海域 海水 H-3濃度推移



福島第一原子力発電所近傍・沿岸海域の海底土の放射性物質濃度分布  
 (東京電力ホールディングス㈱の発表をもとに作成※1)  
 試料採取日: 令和4年2月1日~24日

Radioactivity concentration in the sediment near and around Fukushima Dai-ichi NPP  
 (Based on the press release of TEPCO※1)  
 Sampling Date: Feb 1 - 24, 2022

令和4年3月15日  
 Mar 15, 2022

Cs-134	Cs-137	Sr-90	Pu-238	Pu-239+240
放射性物質濃度 (Bq/kg・乾土) (ND <sup>※2</sup> : 不検出) Radioactivity concentration (Bq/kg・dry soil) (ND <sup>※2</sup> : Not Detectable)				

近傍海域

T-1	2021/11/1 8:55	11	300	ND(0.74)		
	2021/12/6 9:15	5.0	240			
	2022/1/3 8:10	7.0	150	ND(0.70)		
	2022/2/7 8:37	<b>7.1</b>	<b>230</b>			
T-2	2021/11/1 7:15	4.6	130	ND(0.74)		
	2021/12/6 7:35	7.4	170			
	2022/1/3 8:15	5.0	140	ND(0.66)		
	2022/2/7 9:10	<b>5.7</b>	<b>140</b>			

沿岸海域

T-3	2021/11/2 10:15	ND(2.2)	47		
	2021/12/21 11:15	ND(2.2)	52		
	2022/1/11 14:05	ND(2.3)	40		
	2022/2/8 14:40	<b>3.9</b>	<b>92</b>		
T-4	2021/11/2 11:40	ND(2.6)	43		
	2021/12/7 8:10	ND(2.5)	25		
	2022/1/4 10:10	ND(2.3)	43		
	2022/2/1 8:15	<b>ND(1.9)</b>	<b>40</b>		
T-5	2021/11/1 7:46	ND(2.2)	38		
	2021/12/6 7:29	ND(2.5)	24		
	2022/1/4 7:32	ND(2.5)	39		
	2022/2/1 7:34	<b>ND(4.1)</b>	<b>42</b>		
T-11	2021/11/1 9:19	2.8	42		
	2021/12/6 9:28	4.3	140		
	2022/1/4 9:32	ND(2.5)	71		
	2022/2/1 9:08	<b>ND(3.0)</b>	<b>65</b>		
T-14	2021/11/1 7:35	ND(2.1)	4.6		
	2021/12/6 7:36	ND(0.59)	3.2		
	2022/1/4 7:38	ND(2.0)	23		
	2022/2/1 7:44	<b>ND(1.9)</b>	<b>9.7</b>		
T-①	2021/11/17 8:06	2.8	64		
	2021/12/24 7:53	ND(3.2)	50		
	2022/1/31 7:43	ND(2.4)	36		
	2022/2/23 7:39	<b>ND(2.6)</b>	<b>64</b>		
T-②	2021/11/17 7:59	ND(3.0)	16		
	2021/12/24 7:44	ND(2.4)	26		
	2022/1/31 7:29	ND(2.9)	13		
	2022/2/23 7:26	<b>ND(2.5)</b>	<b>5.9</b>		
T-③	2021/11/17 8:55	4.3	100		
	2021/12/24 8:33	4.9	140		
	2022/1/31 8:31	3.0	110		
	2022/2/23 8:23	<b>4.6</b>	<b>130</b>		
T-④	2021/11/17 8:46	5.7	200		
	2021/12/24 8:25	15	420		
	2022/1/31 8:22	6.6	190		
	2022/2/23 8:14	<b>7.4</b>	<b>240</b>		
T-⑤	2021/11/17 8:35	6.3	140		
	2021/12/24 8:18	6.9	170		
	2022/1/31 8:10	ND(2.4)	43		
	2022/2/23 8:07	<b>ND(2.4)</b>	<b>42</b>		
T-⑥	2021/11/19 7:46	6.3	200		
	2021/12/23 7:53	5.7	210		
	2022/1/31 7:38	5.0	180		
	2022/2/23 7:52	<b>5.9</b>	<b>270</b>		
T-⑦	2021/11/19 7:37	6.9	130		
	2021/12/23 7:44	3.8	180		
	2022/1/31 7:30	3.6	120		
	2022/2/23 7:43	<b>5.2</b>	<b>180</b>		
T-⑧	2021/11/19 7:26	ND(2.7)	41		
	2021/12/23 7:37	ND(3.0)	38		
	2022/1/31 7:22	ND(2.9)	39		
	2022/2/23 7:34	<b>ND(2.5)</b>	<b>27</b>		
T-⑨	2021/11/19 7:14	ND(2.5)	18		
	2021/12/23 7:20	6.3	200		
	2022/1/31 7:06	ND(3.1)	24		
	2022/2/23 7:18	<b>ND(2.6)</b>	<b>13</b>		
T-⑩	2021/11/2 8:04	ND(2.5)	52		
	2021/12/15 8:21	2.8	94		
	2022/1/6 8:48	ND(1.8)	15		
	2022/2/9 8:19	<b>ND(2.3)</b>	<b>8.2</b>		
T-⑪	2021/11/2 7:40	ND(4.3)	32		
	2021/12/15 7:55	ND(2.7)	30		
	2022/1/6 7:56	ND(3.1)	42		
	2022/2/9 7:55	<b>ND(3.0)</b>	<b>45</b>		

\* 太字下線データが今回追加分。

\* Boldface and underlined readings are new.

※1 東京電力ホールディングス㈱の発表 (<https://www.tepco.co.jp/decommission/data/analysis/index-j.html>)

※1 Based on the press release of TEPCO (<https://www.tepco.co.jp/en/nu/fukushima-np/f1/smp/index-e.html>)

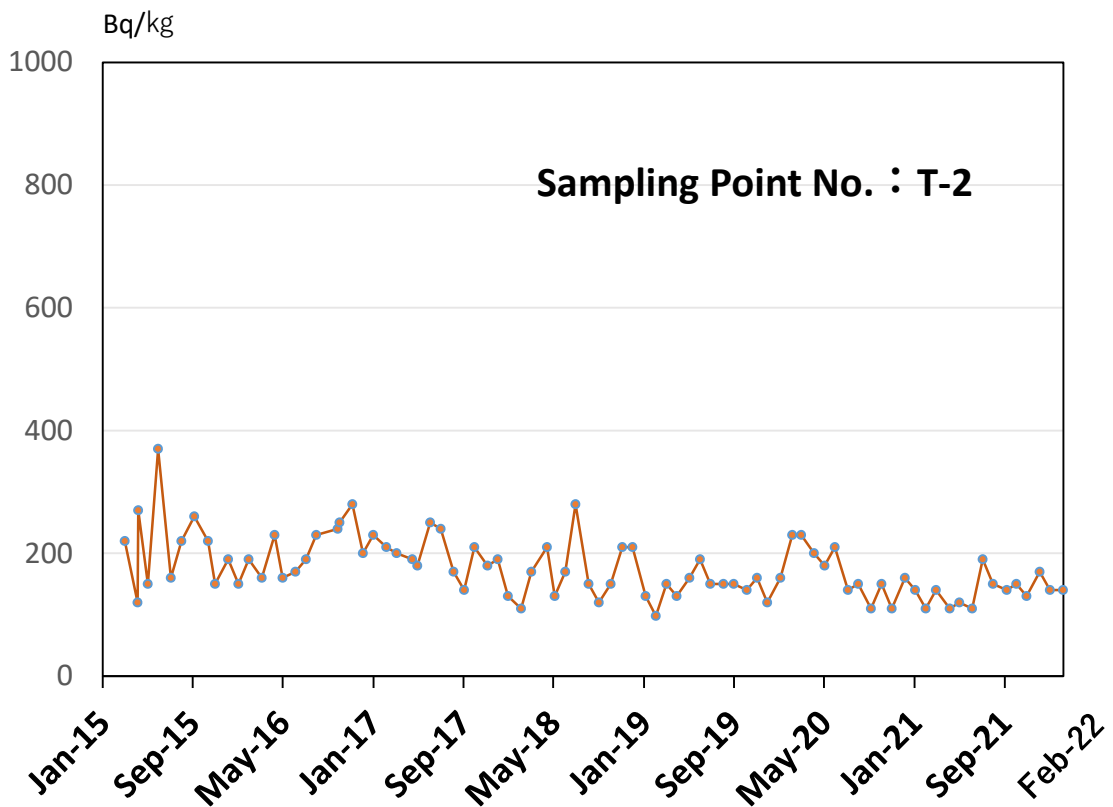
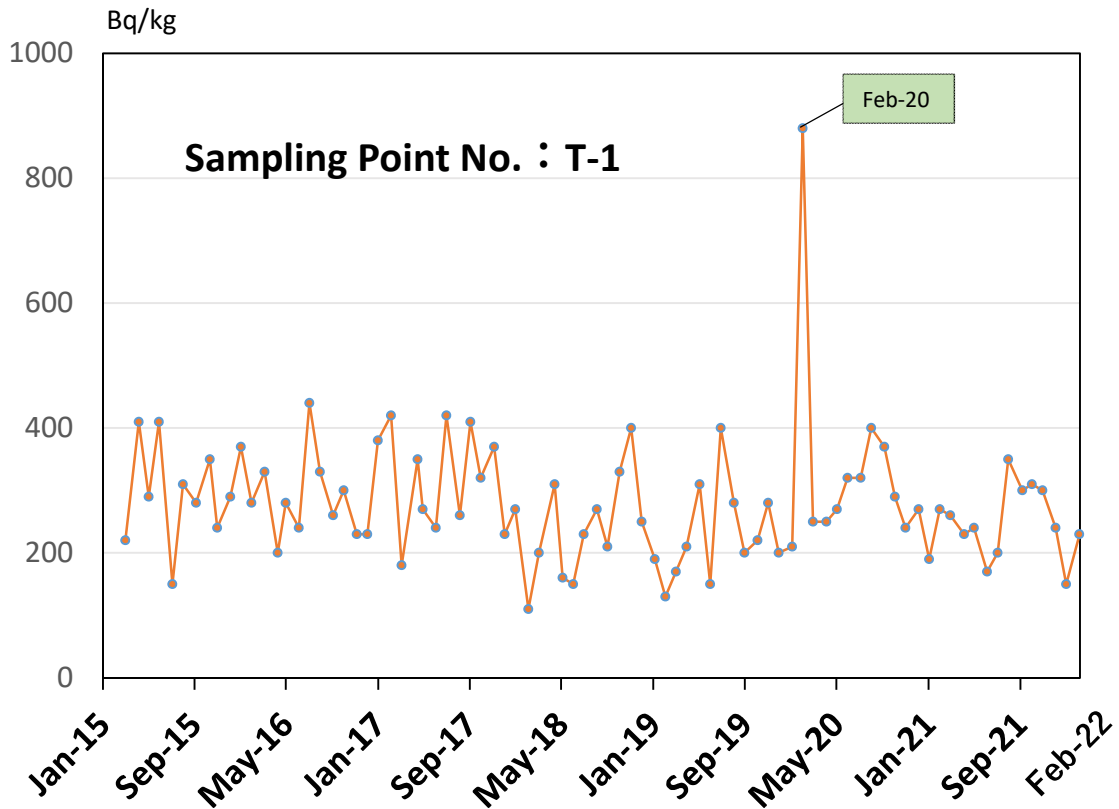
※2 NDの記載は、海底土の放射性物質濃度の検出値が検出下限値を下回る場合。( )内は検出下限値。

※2 ND indicates the case that the detected radioactivity concentration in marine sediment was lower than the detection limits.

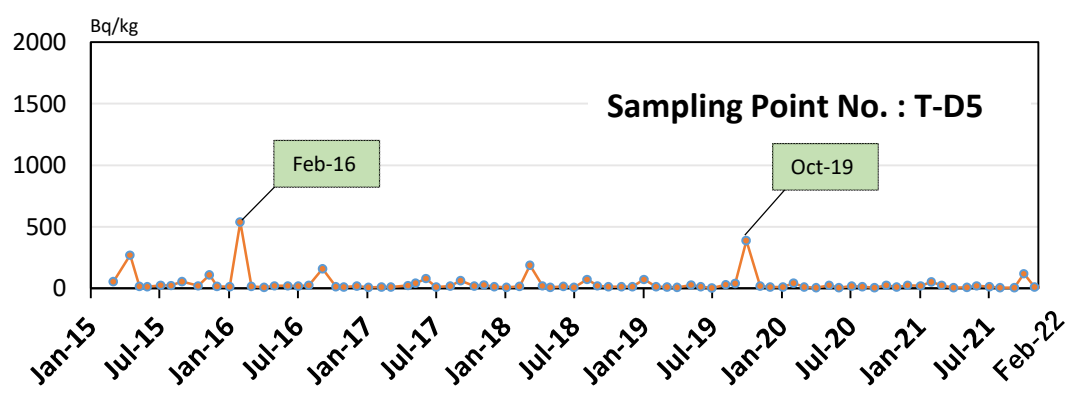
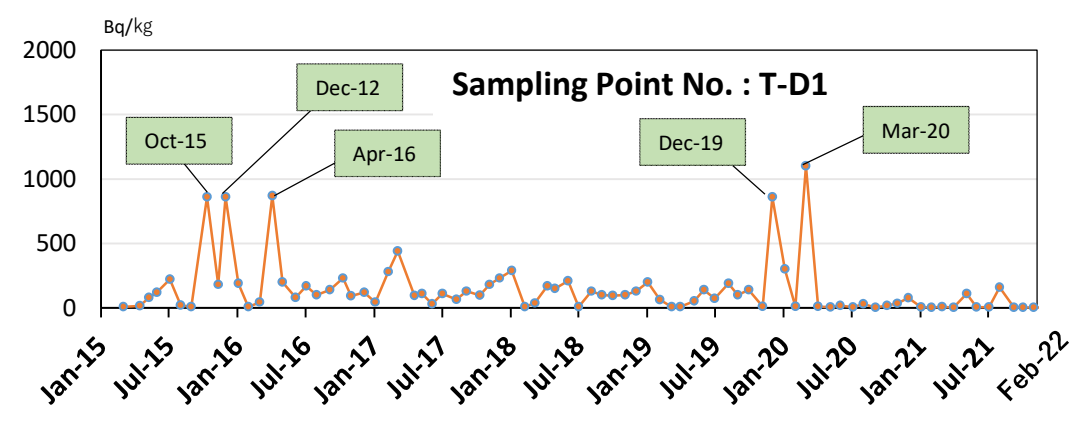
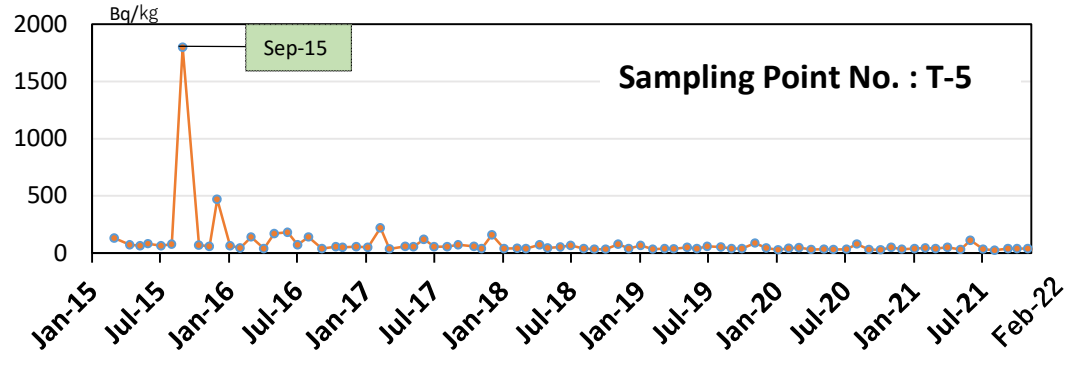
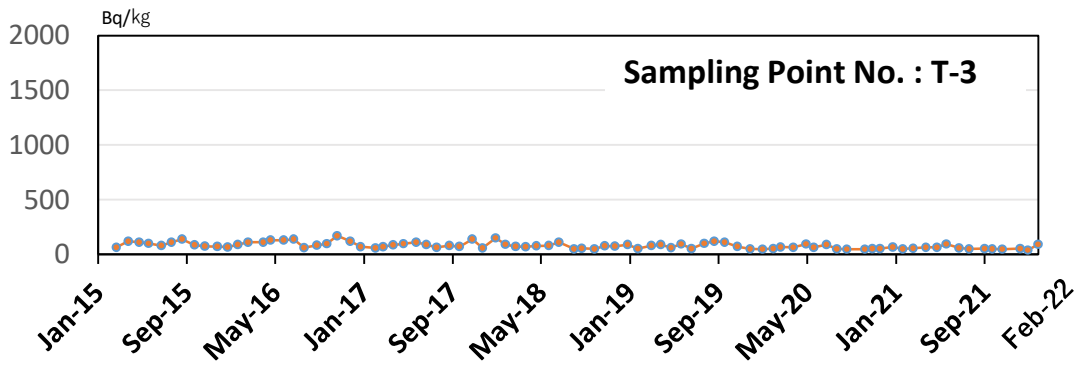
The lower detection limit is in parenthesis.

Cs-134		Cs-137	
放射性物質濃度 (Bq/kg・乾土) (ND※2: 不検出)			
Radioactivity concentration (Bq/kg・dry soil) (ND※2: Not Detectable)			

T-D1	2021/11/1 7:59	ND(2.0)	4.7
	2021/12/6 7:57	ND(1.8)	3.1
	2022/1/4 8:03	ND(1.7)	9.1
	2022/2/1 8:17	<b>ND(1.9)</b>	<b>4.3</b>
T-D5	2021/11/1 8:31	ND(2.5)	10
	2021/12/6 8:27	ND(2.0)	6.3
	2022/1/4 8:32	ND(2.5)	28
	2022/2/1 8:49	<b>ND(2.4)</b>	<b>16</b>
T-D9	2021/11/1 8:45	ND(2.9)	110
	2021/12/6 8:36	ND(2.1)	14
	2022/1/4 8:40	3.8	71
	2022/2/1 8:38	<b>ND(2.6)</b>	<b>14</b>
T-⑩	2021/11/2 7:15	ND(2.9)	38
	2021/12/15 7:26	ND(2.8)	21
	2022/1/6 7:27	ND(3.1)	31
	2022/2/9 7:16	<b>ND(2.7)</b>	<b>27</b>
T-⑬	2021/11/19 8:29	4.2	82
	2021/12/23 8:59	5.0	120
	2022/1/31 8:16	4.6	120
	2022/2/23 8:33	<b>6.1</b>	<b>130</b>
T-S1	2021/11/25 12:20	ND(2.4)	7.8
	2021/12/16 11:33	ND(2.4)	10
	2022/1/17 9:27	ND(3.2)	14
	2022/2/9 8:46	<b>ND(2.7)</b>	<b>11</b>
T-S3	2021/11/17 11:13	3.2	64
	2021/12/23 10:16	ND(2.1)	11
	2022/1/26 9:42	ND(2.2)	32
	2022/2/3 11:08	<b>ND(2.0)</b>	<b>14</b>
T-S4	2021/11/17 11:00	ND(2.6)	24
	2021/12/23 9:52	ND(2.6)	30
	2022/1/26 10:07	ND(2.0)	9.6
	2022/2/3 10:51	<b>ND(2.2)</b>	<b>7.9</b>
T-S5	2021/11/18 6:29	3.4	80
	2021/12/16 6:24	ND(3.0)	75
	2022/1/27 6:12	7.5	160
	2022/2/24 6:03	<b>ND(3.0)</b>	<b>48</b>
T-S7	2021/11/18 6:00	5.0	150
	2021/12/16 5:47	6.1	120
	2022/1/27 5:52	5.9	230
	2022/2/24 5:41	<b>4.1</b>	<b>140</b>
T-S8	2021/11/24 6:04	ND(2.6)	34
	2021/12/23 5:47	ND(2.4)	19
	2022/1/26 6:33	ND(2.6)	23
	2022/2/2 10:42	<b>ND(2.9)</b>	<b>30</b>
T-B1	2021/11/16 7:56	ND(1.8)	4.0
	2021/12/21 7:19	ND(2.0)	3.7
	2022/1/25 9:46	ND(2.1)	3.4
	2022/2/8 6:49	<b>ND(2.5)</b>	<b>9.0</b>
T-B2	2021/11/16 7:33	ND(2.1)	9.1
	2021/12/21 6:46	ND(2.0)	10
	2022/1/25 10:09	ND(3.2)	19
	2022/2/8 6:19	<b>ND(2.7)</b>	<b>13</b>
T-B3	2021/11/30 5:47	ND(2.4)	5.3
	2021/12/14 5:56	ND(0.60)	2.9
	採取中止(No samples)		
	2022/2/10 5:45	<b>ND(0.74)</b>	<b>1.8</b>
T-B4	2021/11/30 6:30	ND(2.4)	21
	2021/12/14 6:58	ND(2.1)	5.6
	採取中止(No samples)		
	2022/2/10 6:32	<b>ND(0.74)</b>	<b>3.7</b>
T-13-1	2021/11/26 6:30	ND(3.0)	78
	2022/1/18 6:35	3.8	98
T-7	2021/11/4 7:17	ND(2.8)	54
	2022/1/6 7:03	ND(3.0)	27
T-18	2021/11/4 9:40	ND(3.0)	59
	2022/1/6 10:52	ND(4.6)	75
T-12	2021/11/12 10:12	4.2	100
	2022/1/28 7:30	ND(2.4)	25
T-17-1	2021/11/12 10:40	ND(2.4)	20
	2022/1/28 5:40	ND(2.6)	15
T-20	2021/11/12 11:04	ND(3.3)	49
	2022/1/28 6:30	2.6	59
T-22	2021/11/26 7:43	ND(2.3)	4.1
	2022/1/18 7:39	ND(2.3)	6.5
T-MA	2021/11/26 7:07	ND(0.66)	ND(0.72)
	2022/1/18 5:53	ND(0.64)	2.3
T-M10	2021/11/4 8:42	ND(3.4)	53
	2022/1/6 9:34	4.3	92



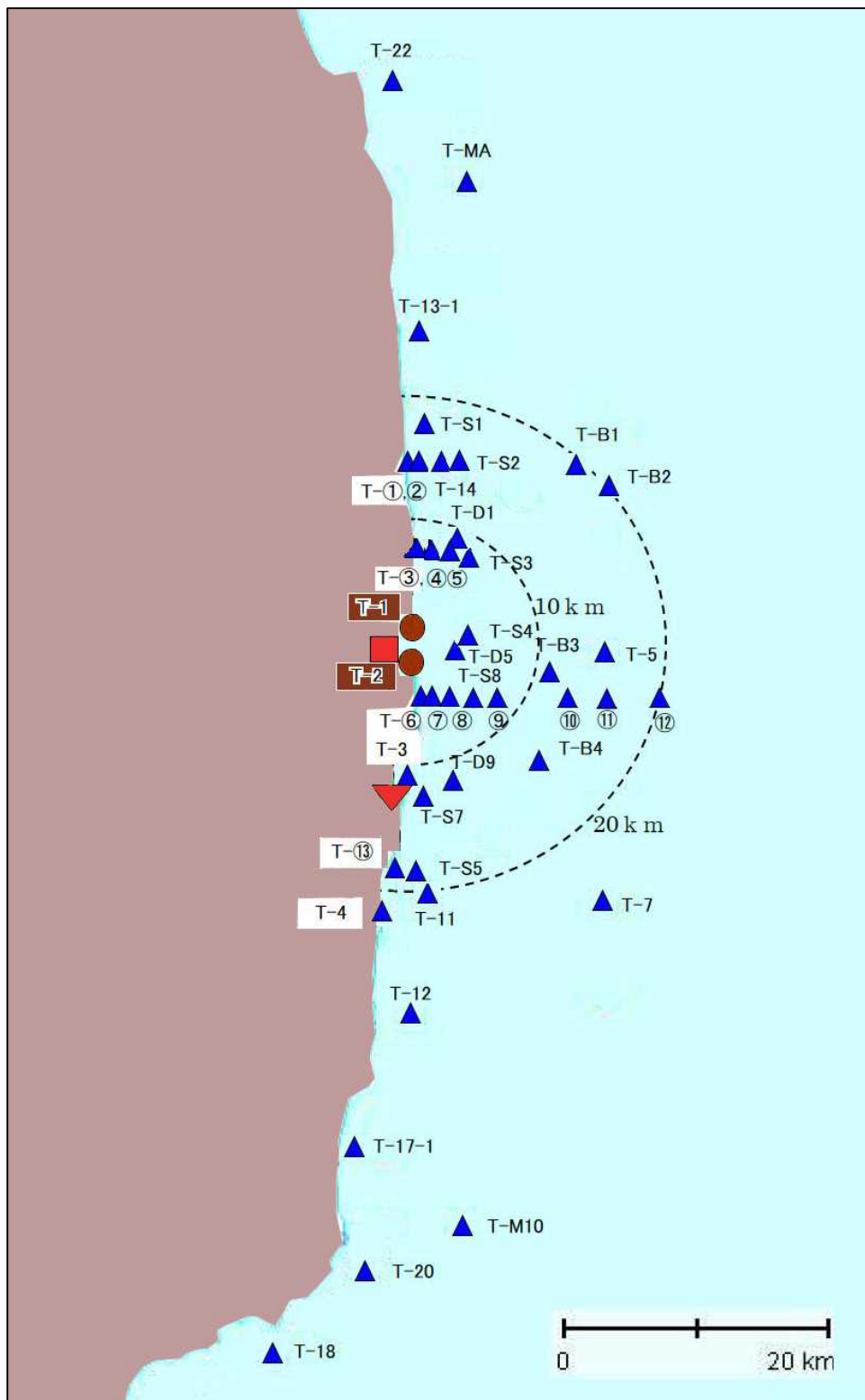
Concentration ranges of Cs-137 in sea-sediment near the Fukushima Daiichi NPS surveyed by TEPCO



Concentration ranges of Cs-137 in sea-sediment around the Fukushima Daiichi NPS surveyed by TEPCO



福島第一及び第二原子力発電所近傍海域の海底土採取ポイント  
 (Sediment sampling points near Fukushima Dai-ichi and Dai-ni NPPs)



- ・図中の■及び▼は東京電力ホールディングス㈱福島第一原子力発電所及び福島第二原子力発電所を示す。
- ・The marks ■ and ▼ indicates the locations of TEPCO Dai-ichi and Dai-ni NPPs, respectively.

福島第一原子力発電所近傍海域の海底土の放射性物質濃度測定結果  
(福島県の発表をもとに作成<sup>※1</sup>)

Radioactivity concentration in the sediment near Fukushima Dai-ichi NPP  
(Based on the press release of Fukushima Prefecture<sup>※1</sup>)

採取場所 Sampling point	採取日 Sampling date	Cs-134	Cs-137	Sr-90	Pu-238	Pu-239+240
放射性物質濃度(検出下限値)(Bq/kg)(ND <sup>※2</sup> :不検出) Radioactivity concentration (Lower detection limit) (Bq/kg) (ND <sup>※2</sup> : Not)						
南放水口付近 F-P01	2019/11/21	18	270	ND	ND	0.15
	2020/2/4	13	210	ND	ND	0.12
	2020/5/14	13	240	ND	ND	0.19
	2020/8/6	17	320	ND	ND	0.15
	2020/11/12	11	220	0.21	ND	0.21
	2021/2/12	10	250	0.29	ND	0.22
	2021/5/12	8.3	210	ND	ND	0.14
	2021/8/4	8.2	220	ND	ND	0.13
	2021/11/4	9.5	280	ND	ND	0.17
北放水口付近 F-P02	2019/11/21	23	330	0.35	ND	0.29
	2020/2/4	8.7	150	ND	ND	0.25
	2020/5/14	13	230	0.44	ND	0.15
	2020/8/6	12	230	ND	ND	0.15
	2020/11/12	11	240	ND	ND	0.18
	2021/2/12	9.1	190	0.21	ND	0.19
	2021/5/12	7.2	180	ND	ND	0.27
	2021/8/4	7.7	180	ND	ND	0.21
	2021/11/4	5.1	160	ND	ND	0.32
取水口付近 F-P03	2019/11/21	19	280	0.19	ND	0.18
	2020/2/4	13	190	ND	ND	0.26
	2020/5/14	15	270	0.30	ND	0.24
	2020/8/6	11	220	0.25	ND	0.21
	2020/11/12	12	240	ND	ND	0.27
	2021/2/12	13	290	0.43	ND	0.26
	2021/5/12	8.9	210	ND	ND	0.27
	2021/8/4	10	260	0.39	ND	0.25
	2021/11/4	9.9	280	0.34	ND	0.20
第一(発)沖合 2km F-P04	2019/11/21	12	190	ND	ND	0.45
	2020/2/4	2.9	48	ND	ND	0.33
	2020/5/14	3.6	65	ND	ND	0.40
	2020/8/6	3.1	56	ND	ND	0.31
	2020/11/12	1.3	45	0.26	ND	0.25
	2021/2/12	1.8	38	ND	ND	0.37
	2021/5/12	2.3	65	ND	0.01	0.39
	2021/8/4	ND	20	ND	ND	0.38
	2021/11/4	ND	32	ND	ND	0.33

※1 福島県の発表(<http://www.pref.fukushima.lg.jp/site/portal/genan208.html>)

※1 Press release of Fukushima Prefecture (<http://www.pref.fukushima.lg.jp/site/portal/genan208.html>)

※2 NDの記載は、海水の放射性物質濃度の検出値が検出下限値を下回る場合。

※2 ND indicates the case that the detected radioactivity concentration in seawater was lower than the detection limits.

福島第一原子力発電所周辺海域の海底土の放射性物質濃度測定結果  
(福島県の発表をもとに作成<sup>※1</sup>)

Radioactivity concentration in the sediment around Fukushima Dai-ichi NPP  
(Based on the press release of Fukushima Prefecture<sup>※1</sup>)

採取場所 Sampling point	採取日 Sampling date	Cs-134	Cs-137	Sr-90	Pu-238	Pu-239+240
放射性物質濃度(検出下限値)(Bq/kg)(ND <sup>※2</sup> :不検出)						

夫沢・熊川沖2km (大熊町) (F-P05)	2019/11/21	5.0	76	0.32	ND	0.44
	2020/2/4	3.4	60	ND	ND	0.50
	2020/5/14	3.2	54	ND	0.02	0.50
	2020/8/6	2.1	35	ND	ND	0.42
	2020/11/12	1.6	44	0.25	ND	0.48
	2021/2/12	1.5	32	0.20	ND	0.44
	2021/5/12	2.3	45	ND	ND	0.43
	2021/8/4	1.1	23	ND	ND	0.41
	2021/11/4	1.3	36	ND	ND	0.40

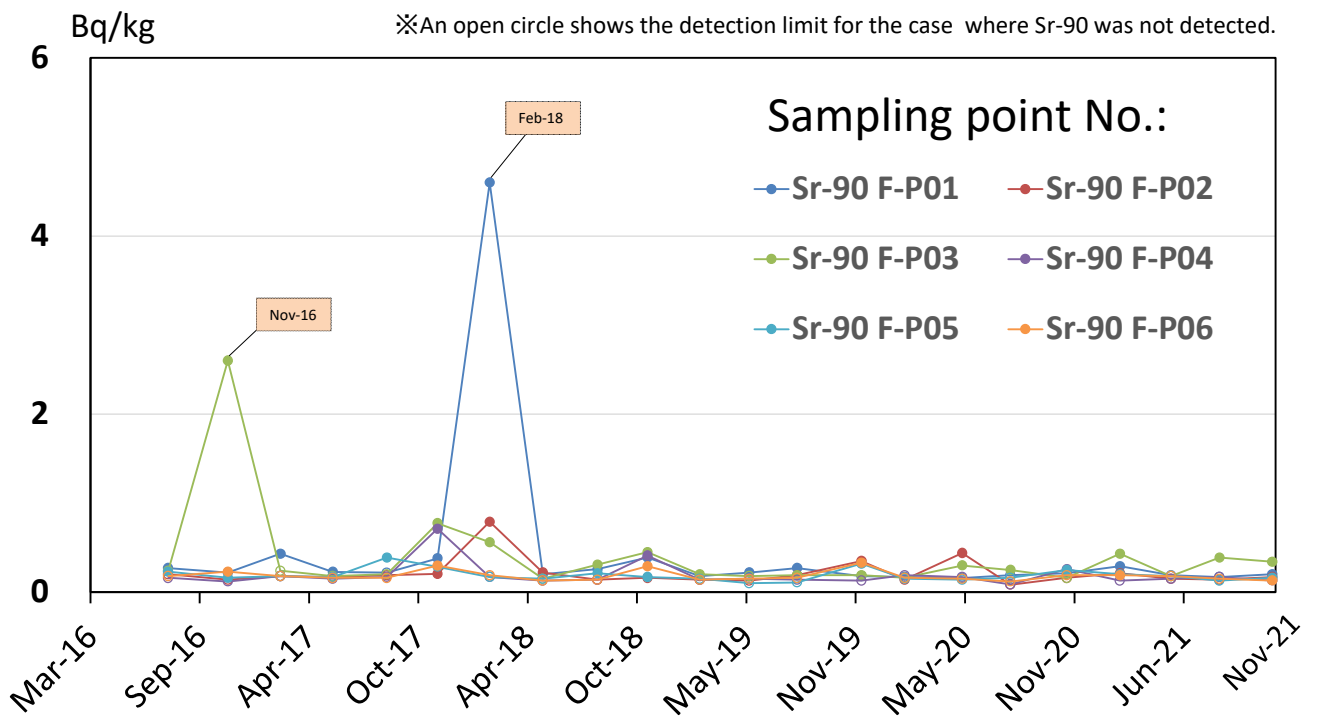
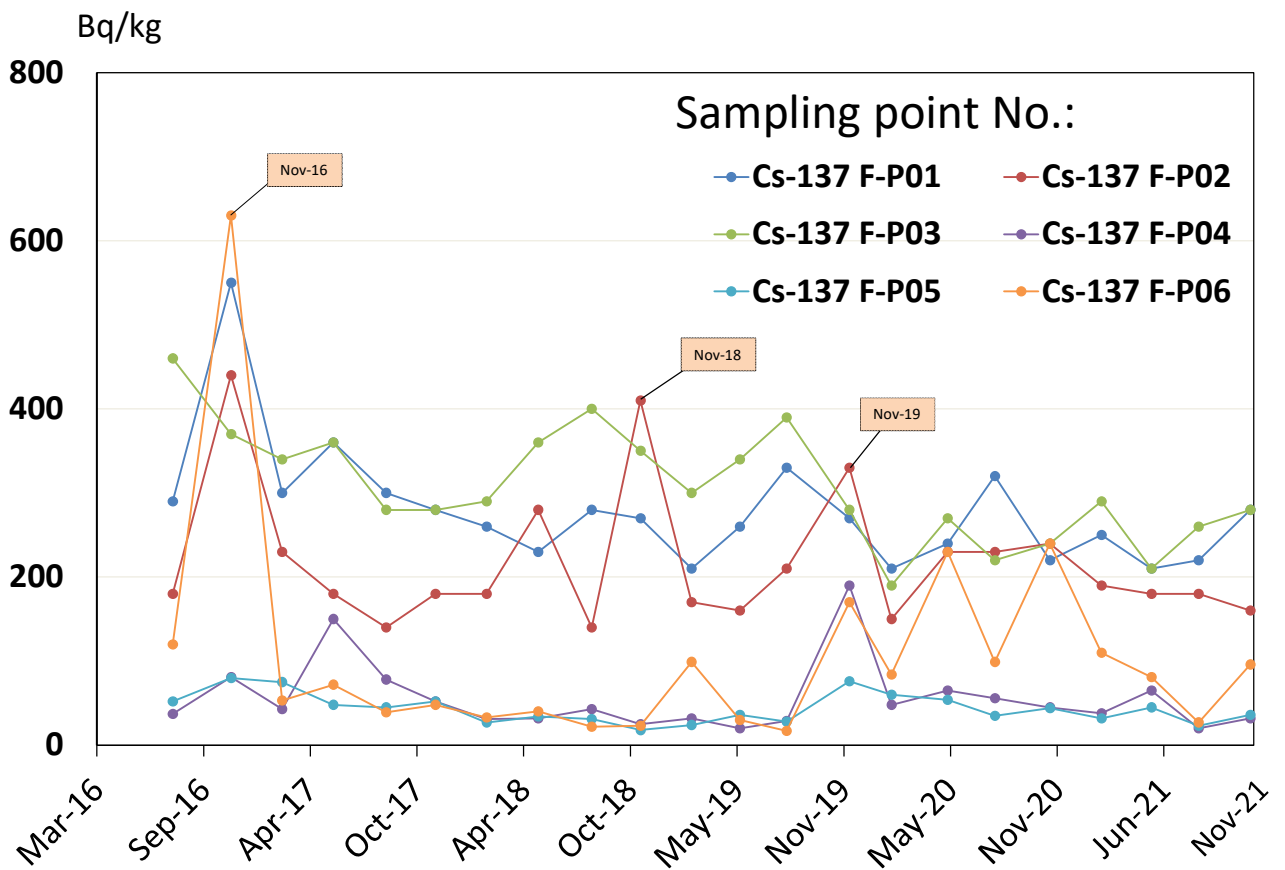
前田川沖2km (双葉町) (F-P06)	2019/11/21	11	170	0.33	0.01	0.43
	2020/2/4	4.6	84	ND	0.01	0.38
	2020/5/14	13	230	ND	ND	0.37
	2020/8/6	5.2	99	ND	ND	0.41
	2020/11/12	11	240	ND	ND	0.33
	2021/2/12	4.6	110	0.19	ND	0.49
	2021/5/12	3.3	81	ND	ND	0.42
	2021/8/4	1.0	27	ND	ND	0.33
	2021/11/4	3.3	96	ND	ND	0.40

※1 福島県の発表(<http://www.pref.fukushima.lg.jp/site/portal/genan208.html>)

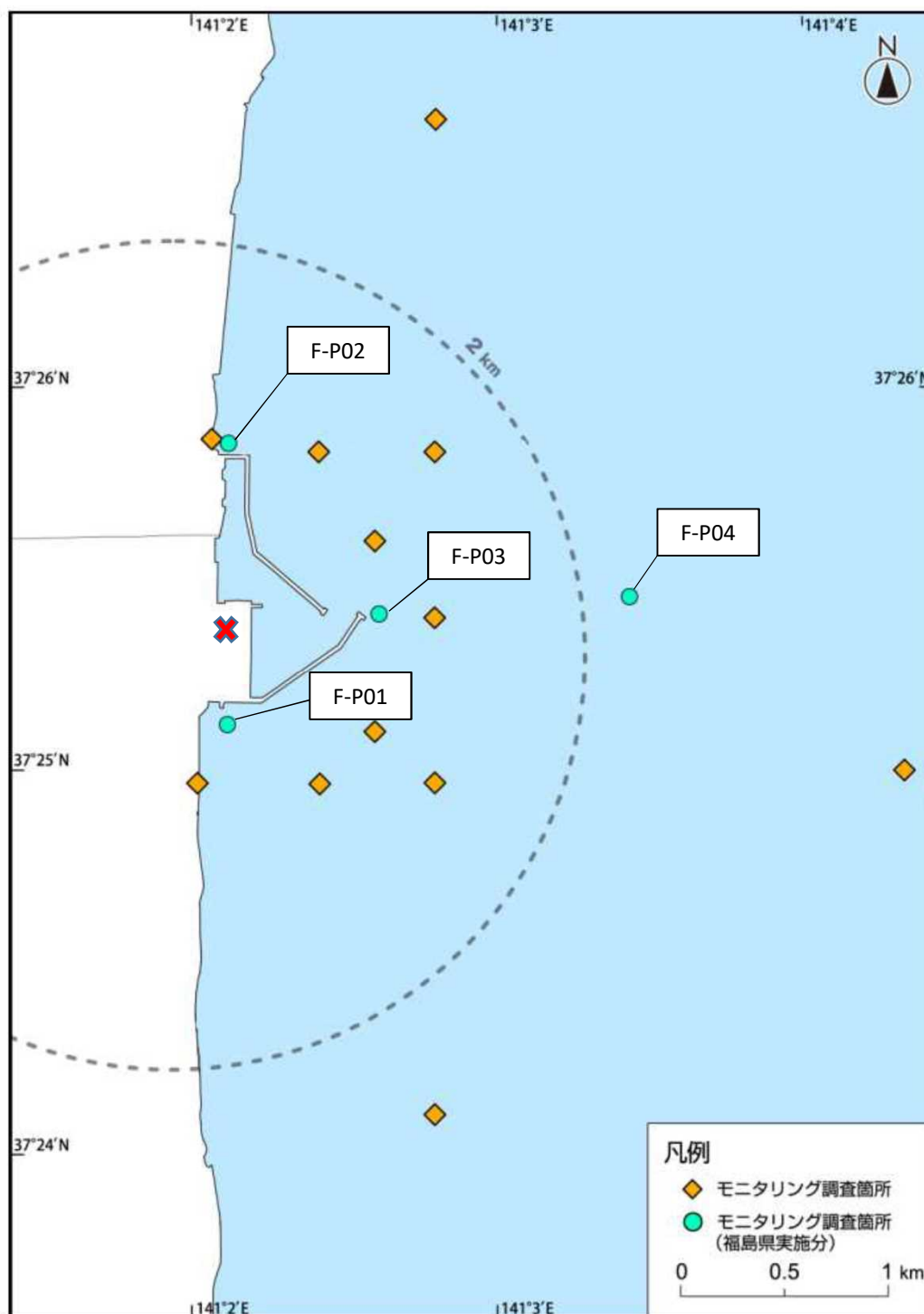
※1 Press release of Fukushima Prefecture (<http://www.pref.fukushima.lg.jp/site/portal/genan208.html>)

※2 NDの記載は、海水の放射性物質濃度の検出値が検出下限値を下回る場合。

※2 ND indicates the case that the detected radioactivity concentration in seawater was lower than the detection limits.



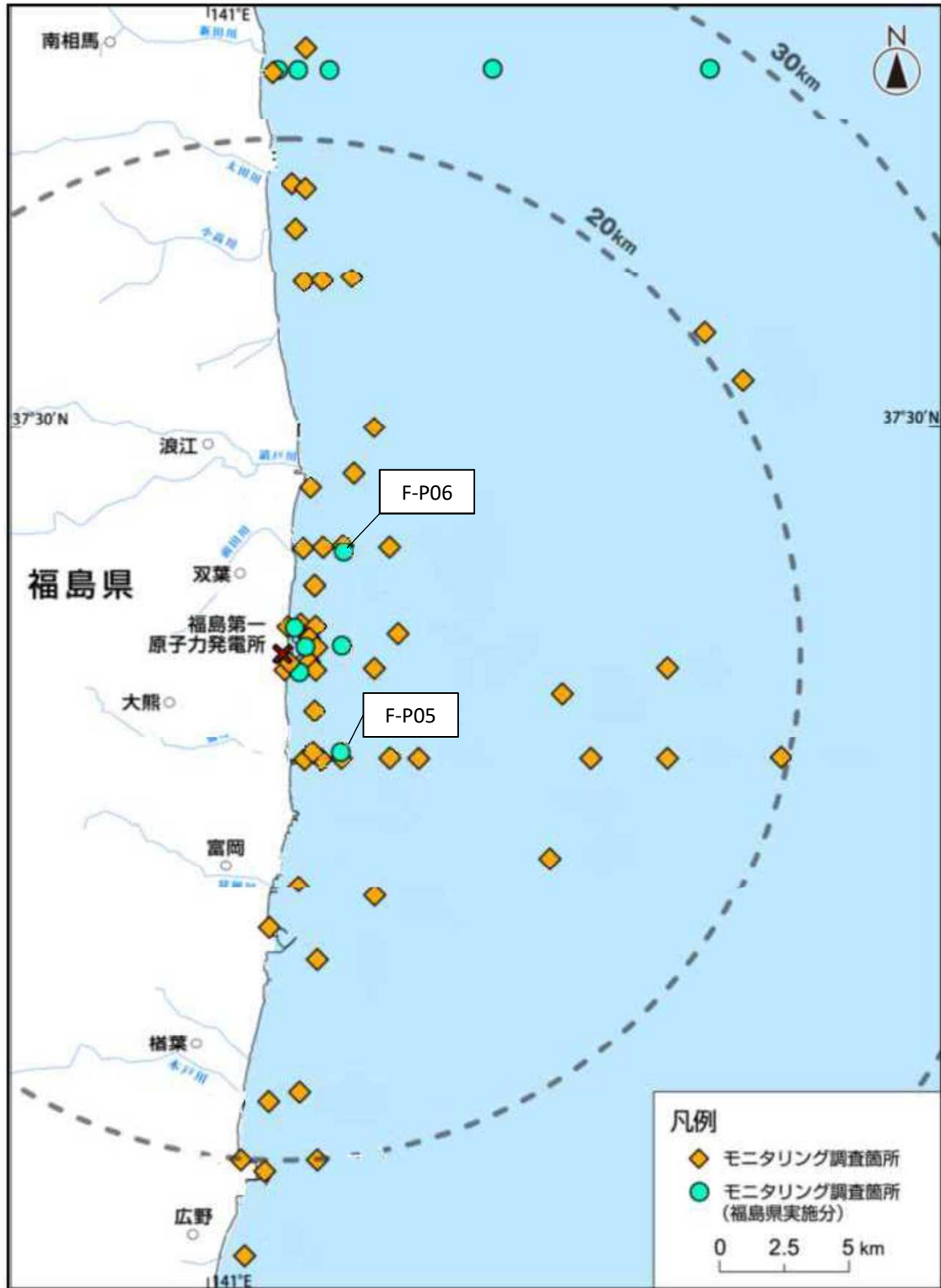
福島第一原子力発電所近傍海域の福島県による採泥ポイント  
 ( Sediment sampling points near Fukushima Dai-ichi NPP )



\*図中の✕は東京電力ホールディングス(株)福島第一原子力発電所を示す。

\*The legend ✕ indicates the location of TEPCO Fukushima Dai-ichi NPP.

福島第一原子力発電所沿岸海域の福島県による採泥ポイント  
 ( Sediment sampling points around Fukushima Dai-ichi NPP )



\*図中の✕は東京電力ホールディングス(株)福島第一原子力発電所を示す。  
 \*The legend ✕ indicates the location of TEPCO Fukushima Dai-ichi NPP.