

Environmental Monitoring results and analyses

---- The 3rd Quarter of FY2022 ---
(From October 1 to December 31, 2022)

January 25, 2023

The Nuclear Regulation Authority, Japan

In accordance with the “Comprehensive Radiation Monitoring Plan”, the relevant organizations released the monitoring data in the period from October 1 to December 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 : no significant variation observed
- Concentrations of radioactive materials in the air : no significant variation observed
- Concentrations of radioactive materials in monthly deposition : no significant variation observed
- Concentrations of radioactive materials in seawater : no significant variation observed
- Concentrations of radioactive materials in sea sediment : no significant variation observed

【Other areas in Japan】

- Air dose rates : no significant variation observed
- Concentrations of radioactive materials in monthly deposition : no significant variation observed
- Concentrations of radioactive materials in sea area : 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.nra.go.jp/activity/monitoring/monitoring2-2.html>
- Refer to the following URL for monitoring results:
<https://radioactivity.nsr.go.jp/en/>
- Refer to the Appendix for detailed information and the Attached Document for basic data.

Environmental Monitoring results and analyses (detailed)

---- The 3rd Quarter of FY2022 ---
(From October 1 to December 31, 2022)

January 25, 2023

The Nuclear Regulation Authority, Japan

In accordance with the “Comprehensive Radiation Monitoring Plan”, the relevant organizations released the monitoring data in the period from October 1 to December 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

No significant variation of the air doses rates was observed in this quarter.

(i) Air dose rates

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

Measuring period : October 1 - December 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/general/facilityselect/initialize>
(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 : June 28 - September 28, 2022 (Accumulated day: 91 days)

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

Measuring method : Measurement using glass badge dosimeters

Monitoring results : From less than lower limit of measurement (0.1 mSv) to 3.1 mSv/3months

(Refer to Attached Document page 1)

Previous data : From less than lower limit of measurement to 3.4 mSv/3months

(March - June, 2022)

From less than lower limit of measurement to 3.9 mSv/3months

(March, 2021 - March, 2021)

◎ Regarding monitoring results of soil and environmental sampling,
refer to the following URL:

Responsible organizations: NRA

<https://radioactivity.nsr.go.jp/en/list/200/list-1.html>

<https://radioactivity.nsr.go.jp/en/list/240/list-1.html>

2 Concentrations of radioactive materials in air

No significant variation of the concentrations of radioactive materials in air was observed in this quarter.

(All results in the monitoring period were under the level of concentration limit ^(Note 1) 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 : August 8 - October 13, 2022

Monitoring results : Activity concentrations of Cs-134 were all “ND”(not detected) ;

Cs-137 were from ND to 0.00071 Bq/m³.

(Refer to Attached Document pages 2-6)

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

Cs-137 were from ND to 0.00032 Bq/m³.

(May - July, 2022)

Cs-134 were from ND to 0.000055 Bq/m³ ;
Cs-137 were from ND to 0.0012 Bq/m³.

(May, 2021 - April, 2022)

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

Responsible organizations : NRA, Fukushima prefectural government

Sampling period : August 5 - October 27, 2022

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

Cs-137 were from ND to 0.00017 Bq/m³.

(Refer to Attached Document pages 7-10)

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

Cs-137 were from ND to 0.00020 Bq/m³.

(May - July, 2022)

Cs-134 were all ND ;

Cs-137 were from ND to 0.00012 Bq/m³.

(April, 2021 - April, 2022)

3 Concentrations of radioactive materials in monthly deposition

No significant variation of the concentrations of radioactive materials in monthly deposition was observed in this quarter.

(i) Responsible organization: Fukushima prefectural government

Sampling period: September - November, 2022

Sampling points: Fukushima prefecture (Fukushima city)

Analytical method: Measurement after evaporating all monthly samples

Monitoring Results:

Activity concentrations of Cs-134 were from ND to 0.30 MBq/km²/month ;

Cs-137 were from 1.0 to 11 MBq/km²/month.

(See Attached Document pages 11-13)

The trends of activity concentrations are shown in the graphs.

(See Attached Document page 14)

[Sea Area]

4 Concentrations of radioactive materials in seawater

No significant variation of the concentrations of radioactive materials in seawater 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: August 29 - November 21, 2022
Analytical method: Coprecipitation method using ammonium phosphomolybdate,
sample amount: 20 L
Measurement time: 60,000 seconds
Monitoring result: Activity concentrations of Cs-134 were from ND to 0.0044 Bq/L ;
Cs-137 were from 0.029 to 0.18 Bq/L.
(See Attached Document page 15)

The trends of activity concentrations are shown in the graphs.
(See Attached Document page 16)

- (ii) Responsible organization: NRA
Sampling period: September 16 - November 12, 2022
Analytical method: Coprecipitation method using ammonium phosphomolybdate,
sample amount: 60 L
Measurement time: 60,000 or more seconds
Monitoring results: Activity concentrations of Cs-134 were from ND to 0.00098 Bq/L ;
Activity concentrations of Cs-137 were from 0.0031 to 0.033 Bq/L.
(See Attached Document pages 17-18)

The trends of activity concentrations are shown in the graphs.
(See Attached Document page 19)

- (iii) Responsible organization: Fukushima prefectural government
Sampling period: July 5 - September 13, 2022
Analytical method: Coprecipitation method using ammonium phosphomolybdate,
sample amount: 20 L
Measurement time: 80,000 seconds
Monitoring results: Activity concentrations of Cs-134 were all ND ;
Activity concentrations of Cs-137 were from 0.003 to 0.073 Bq/L.
(See Attached Document pages 21-22)

The trends of activity concentrations are shown in the graphs.
(See Attached Document page 23)

· 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: September 5 - October 3, 2022
Analytical method: Atmospheric distillation
Sampling amount: 50 mL
Measurement time: 5,400 - 42,000 seconds
Monitoring results: Activity concentrations of H-3 were from ND to 0.89 Bq/L.

(See Attached Document page 15)

(ii) Responsible organization: NRA

Sampling period: July 20 - October 7, 2022

Analytical method: Electrolytic enrichment technique

Sampling amount: 500 mL

Measurement time: 30,000 seconds

Monitoring results: Activity concentrations of H-3 were from 0.071 to 0.21 Bq/L.

(See Attached Document page 17)

The trends of activity concentrations of H-3 in seawater are shown in the graphs.

(See Attached Document page 20)

(iii) Responsible organization: Fukushima prefectural government

Sampling period: July 5 - September 13, 2022

Analytical method: Reduced-pressure distillation or Electrolytic enrichment technique

Sampling amount: 50 mL or 1,000mL

Measurement time: 30,000 seconds

Monitoring results: Activity concentrations of H-3 were 0.08 to 0.61 Bq/L.

(See Attached Document pages 21-22)

· 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: September 5 - October 3, 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 0.0013 to 0.087 Bq/L.

(See Attached Document page 15)

The trends of activity concentrations are shown in the graphs.

(See Attached Document page 16)

(ii) Responsible organization: NRA

Sampling period: August 25 - October 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 0.00077 to 0.0014 Bq/L.

(See Attached Document pages 17-18)

The trends of activity concentrations are shown in the graphs.

(See Attached Document page 19)

(iii) Responsible organization: Fukushima prefectural government

Sampling period: July 5 - September 13, 2022

Analytical method: Y-90 milking method

Sampling amount: 50 L

Measurement time: 3,600 seconds

Monitoring results: Activity concentrations of Sr-90 were from 0.0007 to 0.0025 Bq/L.

(See Attached Document pages 21-22)

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

(See Attached Document page 23)

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: August 30 - November 15, 2022

Analysis method: Coprecipitation method using ammonium phosphomolybdate

Sample amount: 20 - 30 L

Measuring time: 25,000 - 80,000 seconds

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

Cs-137 were from 0.0012 to 0.027 Bq/L.

(See Attached Document pages 25-28)

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

(See Attached Document page 29)

(ii) Responsible organization: Fukushima prefectural government

Sampling period: July 5 - September 13, 2022

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 0.002 to 0.006 Bq/L.

(See Attached Document page 30)

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

(See Attached Document page 31)

• H-3 Analysis

(i) Responsible organization: TEPCO

Sampling period: August 23 – November 7, 2022

Analysis method: Atmospheric-pressure distillation

Sample amount: 50 - 65 mL

Measuring time: 36,000 - 42,000 seconds

Monitoring results: Activity concentrations of H-3 were all ND.

(See Attached Document pages 25-27)

- (ii) Responsible organization: Fukushima prefectural government
Sampling period: July 5 - September 13, 2022
Analytical method: Reduced-pressure distillation or Electrolytic enrichment technique
Sampling amount: 50 mL or 1,000mL
Measurement time: 30,000 seconds
Monitoring results: Activity concentrations of H-3 were from 0.08 to 0.10 Bq/L.
(See Attached Document page 30)

• Sr-90 Analysis

- (i) Responsible organization: TEPCO
Sampling period: September 3 - October 20, 2022
Analysis method: Y-90 milking method
Sample amount: 8 L
Measuring time: 12,000 seconds
Monitoring results: Activity concentrations of Sr-90 were from 0.00074 to 0.0013 Bq/L.
(See Attached Document pages 26-27)

- (ii) Responsible organization: Fukushima prefectural government
Sampling period: July 5 - September 13, 2022
Analysis method: Y-90 milking method
Sample amount: 50 L
Measuring time: 3,600 seconds
Monitoring result: Activity concentrations of Sr-90 were from 0.0005 to 0.0013 Bq/L.
(See Attached Document page 30)

The trends of activity concentrations are shown in the graphs.

(See Attached Document page 31)

- 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>

5 Concentrations of radioactive materials in sea sediment

No significant variation of the concentrations of radioactive materials in sea sediment 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: September 5 - November 7, 2022

Monitoring results: Activity concentrations of Cs-134 were from ND to 7.2 Bq/kg dry soil ;
Cs-137 were from 120 to 250 Bq/kg dry soil.
Activity concentrations of Sr-90 were all ND.

(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: August 2, 2022

Monitoring results: Activity concentrations of Cs-134 were from ND to 10 Bq/kg dry soil ;
Cs-137 were from 34 to 350 Bq/kg dry soil.
Activity concentrations of Sr-90 were all ND.

(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: September 3 - December 7, 2022

Monitoring results: Activity concentrations of Cs-134 were from ND to 9.1 Bq/kg dry soil ;
Cs-137 were from 1.4 to 350 Bq/kg dry soil.

(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: August 2, 2022

Monitoring results: Activity concentrations of Cs-134 were from ND to 2.1 Bq/kg dry soil ;
Cs-137 were from 22 to 90 Bq/kg dry soil.
Activity concentrations of Sr-90 were from ND to 0.28 Bq/kg dry soil.

(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/general/facilityselect/initialize>

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

- ### 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: September - November, 2022

Analytical method: Measurement after evaporating all monthly samples

Monitoring results: Activity concentrations of Cs-134 were from ND to 0.099 MBq/km²/month;

Activity concentrations of Cs-137 were from ND to 3.6 MBq/km²/month.

(See Attached Document pages 11-13)

- ### 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/en/water/rmms/surveys.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/en/water/rmms/surveys.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/english/topics/2011eq/index_food.html
- ② The concentrations of radioactive materials in marine products:
<https://www.jfa.maff.go.jp/e/inspection/index.html>
- ③ Securing safety in the quality of alcoholic beverages against radioactive materials:
https://www.nta.go.jp/english/taxes/liquor_administration/radiation.htm
- ④ Inspections of radioactive materials in tap water:
https://www.mhlw.go.jp/english/topics/2011eq/index_water_supply.html

Monitoring results of forest

Refer to the following URL:

- ① Environmental radiation monitoring in national forests in the former evacuation zones:
<https://www.rinya.maff.go.jp/kanto/seibi/jyosensennta/chousakekka01.html>

For reference (TEPCO):

<https://www.tepco.co.jp/en/hd/decommission/data/analysis/index-e.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/m³、 Cs-134 : 20 Bq/m³、 Cs-137 : 30 Bq/m³

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10月21日
原子力規制委員会

Oct 21, 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	6月の 回収年月日 Collection Date	6月 末までの 積算日数 Accumulated Day (x)	6月 末までの 積算数値 Reading of Accumulated Dose (a) (mSv)	回収年月日 Collection Date	7~9月の 積算日数 Accumulated Day (y)	7~9月の積算数値 Reading of Accumulated Dose (b) (mSv)	9月 末までの 総積算日数 Accumulated Day (z = x + y)	9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	2022/6/29	4115	243.0	2022/9/28	91	0.5	4206	243.5
【32】 双葉郡浪江町赤宇木(32km北西) Futaba county Namie town Akougi (32km North/West)	2011/3/23	2022/6/29	4115	604.0	2022/9/28	91	3.1	4206	607.1
【33】 相馬郡飯館村長泥(33km北西) Soma county Iitate village Nagadoro (33km North/West)	2011/3/23	2022/6/29	4115	321.1	2022/9/28	91	1.6	4206	322.7
【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	2022/6/29	4082	113.2	2022/9/28	91	0.6	4173	113.8
【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	2022/6/28	4107	11.3	2022/9/27	91	0.1	4198	11.4
【71】 双葉郡広野町下浅見川(23km南) Futaba county Hirono town Shimoasamigawa (23km South)	2011/5/1	2022/6/28	4077	8.8	2022/9/27	91	有効測定範囲の下限值 (0.1mSv)未満 Less than lower limit of measurement (0.1mSv)	4168	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	2022/6/29	4115	263.3	2022/9/28	91	0.9	4206	264.2
【7】 南相馬市鹿島区寺内(32km北) Minamisoma city Kashima ward Terauchi (32km North)	2011/3/23	2022/6/29	4115	14.5	2022/9/28	91	0.1	4206	14.6
【1】 福島市杉妻町(62km北西) Fukushima city Sugitsuma town (62km North/West)	2011/3/23	2022/6/29	4115	15.6	2022/9/28	91	0.1	4206	15.7
【39】 相馬市山上(41km北北西) Soma city Yamakami (41km North/North/West)	2011/4/1	2022/6/29	4107	9.4	2022/9/28	91	有効測定範囲の下限值 (0.1mSv)未満 Less than lower limit of measurement (0.1mSv)	4198	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	2022/6/28	2283	1.1	2022/9/27	91	有効測定範囲の下限值 (0.1mSv)未満 Less than lower limit of measurement (0.1mSv)	2374	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	2022/6/28	2283	2.4	2022/9/27	91	0.1	2374	2.5
【80】 南相馬市原町区高見町(24km北) Minamisoma city Haramachi ward Takami town (24km North)	2011/4/3	2022/6/28	4104	10.2	2022/9/27	91	0.1	4195	10.3
【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	2022/6/28	4106 ₁	63.5	2022/9/27	91	0.2	4197	63.7

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12月6日 Dec 6, 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 *			空間線量率 Air dose rate (μ Sv/h)	備考 Remarks
			(Bq/m ³)				
			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	○	2022/10/11 12:26 ~ 2022/10/13 12:26	< 0.000029	< 0.000028	Am-241: < 0.000049 Eu-154: < 0.000048 ※1 Co-60: < 0.000029	0.09	
		2022/9/13 12:07 ~ 2022/9/15 12:07	< 0.000026	0.000075 ± 0.0000091	Am-241: < 0.000044 Eu-154: < 0.000038 ※1 Co-60: < 0.000027	0.07	
		2022/8/8 12:26 ~ 2022/8/10 12:26	< 0.000026	0.000091 ± 0.0000097	Am-241: < 0.000044 Eu-154: < 0.000046 ※1 Co-60: < 0.000028	0.07	
		2022/7/12 12:42 ~ 2022/7/14 12:42	< 0.000029	< 0.000027	Am-241: < 0.000047 Eu-154: < 0.000048 ※1 Co-60: < 0.000030	0.08	
		2022/6/14 12:23 ~ 2022/6/16 12:23	< 0.000029	0.000067 ± 0.0000096	Am-241: < 0.000048 Eu-154: < 0.000048 ※1 Co-60: < 0.000029	0.09	
		2022/5/10 12:24 ~ 2022/5/12 12:24	< 0.000029	< 0.000027	Am-241: < 0.000051 Eu-154: < 0.000048 ※1 Co-60: < 0.000025	0.09	
		2022/4/12 12:47 ~ 2022/4/14 12:47	< 0.000031	< 0.000027	Am-241: < 0.000054 Eu-154: < 0.000049 ※1 Co-60: < 0.000031	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 *			空間線量率 Air dose rate (μ Sv/h)	備考 Remarks
			(Bq/m ³)				
			Cs-134	Cs-137	その他の人工核種 Other anthropogenic radionuclides		
61 双葉郡浪江町大字幾世橋 Futaba county Namie town oaza Kiyohashi	○	2022/10/11 12:03 ~ 2022/10/13 12:03	< 0.000029	0.000062 ± 0.0000092	Am-241: < 0.000049 Eu-154: < 0.000048 Co-60: < 0.000029	※1	0.07
		2022/9/13 11:43 ~ 2022/9/15 11:43	< 0.000028	0.00029 ± 0.000013	Am-241: < 0.000047 Eu-154: < 0.000043 Co-60: < 0.000029	※1	0.07
		2022/8/8 12:00 ~ 2022/8/10 12:00	< 0.000027	0.00031 ± 0.000013	Am-241: < 0.000046 Eu-154: < 0.000048 Co-60: < 0.000027	※1	0.07
		2022/7/12 12:13 ~ 2022/7/14 12:13	< 0.000028	< 0.000027	Am-241: < 0.000045 Eu-154: < 0.000046 Co-60: < 0.000027	※1	0.08
		2022/6/14 11:52 ~ 2022/6/16 11:52	< 0.000028	0.00026 ± 0.000013	Am-241: < 0.000047 Eu-154: < 0.000047 Co-60: < 0.000026	※1	0.07
		2022/5/10 12:01 ~ 2022/5/12 12:01	< 0.000029	0.000056 ± 0.0000099	Am-241: < 0.000052 Eu-154: < 0.000049 Co-60: < 0.000028	※1	0.09
		2022/4/12 12:20 ~ 2022/4/14 12:20	< 0.000029	0.000095 ± 0.000010	Am-241: < 0.000051 Eu-154: < 0.000048 Co-60: < 0.000029	※1	0.09
		62 双葉郡双葉町新山前沖 Futaba county Futaba town Shinzanmaeoki	○	2022/10/11 11:27 ~ 2022/10/13 11:27	< 0.000028	0.00011 ± 0.0000099	Am-241: < 0.000047 Eu-154: < 0.000046 Co-60: < 0.000028
2022/9/13 11:14 ~ 2022/9/15 11:14	< 0.000026			0.00071 ± 0.000018	Am-241: < 0.000044 Eu-154: < 0.000040 Co-60: < 0.000029	※1	0.23
2022/8/8 11:29 ~ 2022/8/10 11:29	< 0.000029			0.00052 ± 0.000016	Am-241: < 0.000044 Eu-154: < 0.000047 Co-60: < 0.000028	※1	0.22
2022/7/12 11:32 ~ 2022/7/14 11:32	< 0.000027			0.000075 ± 0.0000097	Am-241: < 0.000049 Eu-154: < 0.000050 Co-60: < 0.000030	※1	0.21
2022/6/14 11:17 ~ 2022/6/16 11:17	< 0.000029			0.00032 ± 0.000013	Am-241: < 0.000048 Eu-154: < 0.000049 Co-60: < 0.000028	※1	0.22
2022/5/10 11:23 ~ 2022/5/12 11:23	< 0.000030			0.00012 ± 0.000010	Am-241: < 0.000052 Eu-154: < 0.000049 Co-60: < 0.000029	※1	0.22
2022/4/12 11:44 ~ 2022/4/14 11:44	< 0.000030			0.00051 ± 0.000016	Am-241: < 0.000052 Eu-154: < 0.000049 Co-60: < 0.000027	※1	0.23

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 *			空間線量率 Air dose rate (μ Sv/h)	備考 Remarks
			(Bq/m ³)				
			Cs-134	Cs-137	その他の人工核種 Other anthropogenic radionuclides		
63 双葉郡大熊町大字下野上 Futaba county Okuma town oaza Shimonogami	○	2022/10/11 11:05 ～ 2022/10/13 11:05	< 0.000026	0.00031 ± 0.000013	Am-241: < 0.000045 Eu-154: < 0.000040 Co-60: < 0.000027	※1	0.39
		2022/9/13 10:53 ～ 2022/9/15 10:53	< 0.000029	0.00023 ± 0.000012	Am-241: < 0.000048 Eu-154: < 0.000047 Co-60: < 0.000029	※1	0.39
		2022/8/8 11:03 ～ 2022/8/10 11:03	< 0.000027	0.00014 ± 0.000012	Am-241: < 0.000046 Eu-154: < 0.000040 Co-60: < 0.000027	※1	0.34
		2022/7/12 11:05 ～ 2022/7/14 11:05	< 0.000027	0.00020 ± 0.000012	Am-241: < 0.000044 Eu-154: < 0.000041 Co-60: < 0.000026	※1	0.36
		2022/6/14 10:48 ～ 2022/6/16 10:48	< 0.000025	0.00011 ± 0.0000097	Am-241: < 0.000042 Eu-154: < 0.000039 Co-60: < 0.000025	※1	0.41
		2022/5/10 11:01 ～ 2022/5/12 11:01	< 0.000027	0.00014 ± 0.000011	Am-241: < 0.000045 Eu-154: < 0.000041 Co-60: < 0.000028	※1	0.40
		2022/4/12 11:20 ～ 2022/4/14 11:20	< 0.000025	0.00012 ± 0.000011	Am-241: < 0.000043 Eu-154: < 0.000040 Co-60: < 0.000028	※1	0.39
		64 双葉郡富岡町大字本岡 Futaba county Tomioka town oaza Motooka	○	2022/10/11 10:31 ～ 2022/10/13 10:31	< 0.000025	0.000035 ± 0.0000083	Am-241: < 0.000043 Eu-154: < 0.000039 Co-60: < 0.000026
2022/9/13 10:23 ～ 2022/9/15 10:23	< 0.000029			0.000056 ± 0.0000096	Am-241: < 0.000050 Eu-154: < 0.000049 Co-60: < 0.000029	※1	0.19
2022/8/8 10:24 ～ 2022/8/10 10:24	< 0.000027			0.00010 ± 0.000012	Am-241: < 0.000045 Eu-154: < 0.000040 Co-60: < 0.000025	※1	0.18
2022/7/12 10:34 ～ 2022/7/14 10:34	< 0.000027			0.000088 ± 0.000010	Am-241: < 0.000043 Eu-154: < 0.000040 Co-60: < 0.000027	※1	0.18
2022/6/14 10:15 ～ 2022/6/16 10:15	< 0.000029			0.000050 ± 0.0000094	Am-241: < 0.000042 Eu-154: < 0.000040 Co-60: < 0.000028	※1	0.19
2022/5/10 10:28 ～ 2022/5/12 10:28	< 0.000027			0.000056 ± 0.0000081	Am-241: < 0.000043 Eu-154: < 0.000040 Co-60: < 0.000025	※1	0.19
2022/4/12 10:45 ～ 2022/4/14 10:45	< 0.000025			0.000076 ± 0.0000092	Am-241: < 0.000043 Eu-154: < 0.000040 Co-60: < 0.000027	※1	0.21

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 *			空間線量率 Air dose rate (μ Sv/h)	備考 Remarks
			Cs-134	Cs-137	その他の人工核種 Other anthropogenic radionuclides		
65 双葉郡檜葉町大字北田 Futaba county Naraha town oaza Kitada	○	2022/10/11 10:07 ～ 2022/10/13 10:07	< 0.000026	0.000031 ± 0.0000084	Am-241: < 0.000044 Eu-154: < 0.000039 Co-60: < 0.000026 ※1	0.12	
		2022/9/13 9:58 ～ 2022/9/15 9:58	< 0.000029	< 0.000027	Am-241: < 0.000048 Eu-154: < 0.000047 Co-60: < 0.000029 ※1	0.10	
		2022/8/8 9:58 ～ 2022/8/10 9:58	< 0.000028	< 0.000025	Am-241: < 0.000044 Eu-154: < 0.000040 Co-60: < 0.000027 ※1	0.11	
		2022/7/12 10:03 ～ 2022/7/14 10:03	< 0.000026	0.000041 ± 0.0000078	Am-241: < 0.000042 Eu-154: < 0.000040 Co-60: < 0.000028 ※1	0.10	
		2022/6/14 9:51 ～ 2022/6/16 9:51	< 0.000026	< 0.000024	Am-241: < 0.000042 Eu-154: < 0.000039 Co-60: < 0.000027 ※1	0.10	
		2022/5/10 10:02 ～ 2022/5/12 10:02	< 0.000026	< 0.000025	Am-241: < 0.000043 Eu-154: < 0.000040 Co-60: < 0.000027 ※1	0.11	
		2022/4/12 10:16 ～ 2022/4/14 10:16	< 0.000027	0.000037 ± 0.0000086	Am-241: < 0.000044 Eu-154: < 0.000041 Co-60: < 0.000027 ※1	0.11	
		南南西約16km 16km South/South/West					

* 「< XX」は、放射性物質濃度が検出下限値(XX)未満であることを表す。

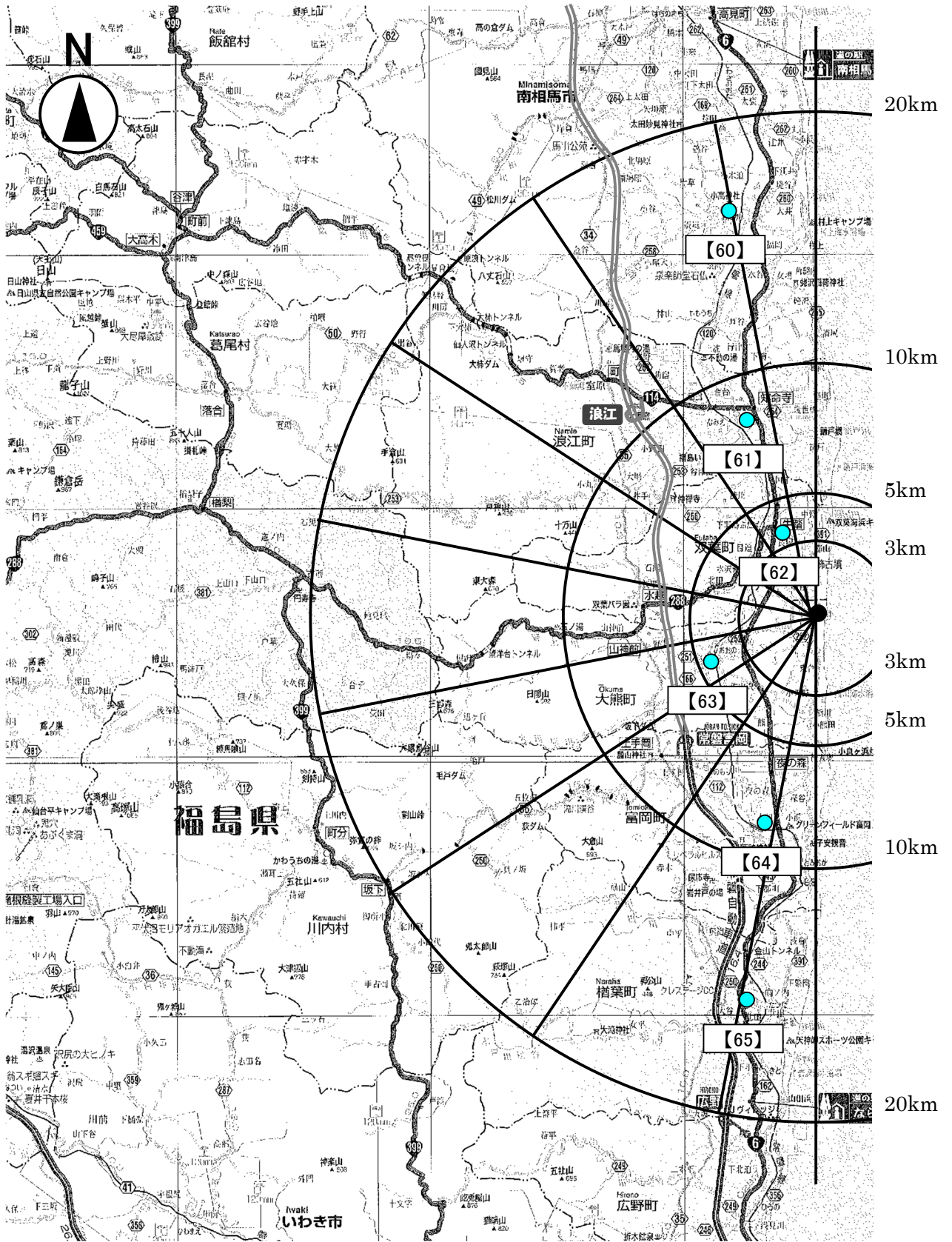
* “< XX ” means that radioactivity concentration is lower than the detection limit XX.

※1 全て検出下限値未満であり、主要核種の検出下限値を記載。

※1 All are below the lower detection limit, and the lower detection limit of major nuclides is described.

[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.

原子力規制委員会による大気浮遊じんの放射性物質濃度測定結果

Readings of dust sampling by NRA

令和4年12月6日 Dec 6, 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 (Bq/m ³) Radioactivity Concentration (Bq/m ³)			空間線量率 Air dose rate (μ 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	2022/10/18 13:52 ~ 2022/10/20 13:52	< 0.000029	< 0.000028	Am-241: < 0.000049 Eu-154: < 0.000046 ※1 Co-60: < 0.000029	0.07	
		2022/9/12 13:54 ~ 2022/9/14 13:54	< 0.000028	0.000033 ± 0.0000084	Am-241: < 0.000047 Eu-154: < 0.000048 ※1 Co-60: < 0.000027	0.07		
		2022/8/22 13:57 ~ 2022/8/24 13:57	< 0.000026	0.000049 ± 0.0000088	Am-241: < 0.000045 Eu-154: < 0.000050 ※1 Co-60: < 0.000029	0.06		
		2022/7/19 14:27 ~ 2022/7/21 14:27	< 0.000025	< 0.000027	Am-241: < 0.000044 Eu-154: < 0.000048 ※1 Co-60: < 0.000028	0.07		
		2022/6/21 14:04 ~ 2022/6/23 14:04	< 0.000028	< 0.000025	Am-241: < 0.000047 Eu-154: < 0.000048 ※1 Co-60: < 0.000028	0.06		
		2022/5/17 14:00 ~ 2022/5/19 14:00	< 0.000030	0.000031 ± 0.0000094	Am-241: < 0.000048 Eu-154: < 0.000049 ※1 Co-60: < 0.000027	0.06		
		2022/4/18 14:32 ~ 2022/4/20 14:32	< 0.000029	< 0.000027	Am-241: < 0.000052 Eu-154: < 0.000047 ※1 Co-60: < 0.000028	0.07		
301 二本松市針道 Nihonmatsu city Harimichi	○	44km西北北西 44km West/North/West	2022/10/18 11:00 ~ 2022/10/20 11:00	< 0.000028	< 0.000026	Am-241: < 0.000048 Eu-154: < 0.000048 ※1 Co-60: < 0.000026	0.13	
		2022/9/12 10:54 ~ 2022/9/14 10:54	< 0.000030	0.000030 ± 0.0000084	Am-241: < 0.000047 Eu-154: < 0.000048 ※1 Co-60: < 0.000029	0.13		
		2022/8/22 11:15 ~ 2022/8/24 11:15	< 0.000026	< 0.000026	Am-241: < 0.000044 Eu-154: < 0.000047 ※1 Co-60: < 0.000028	0.13		
		2022/7/19 10:57 ~ 2022/7/21 10:57	< 0.000026	< 0.000027	Am-241: < 0.000045 Eu-154: < 0.000047 ※1 Co-60: < 0.000030	0.14		
		2022/6/21 10:56 ~ 2022/6/23 10:56	< 0.000029	< 0.000026	Am-241: < 0.000048 Eu-154: < 0.000048 ※1 Co-60: < 0.000026	0.14		
		2022/5/17 10:45 ~ 2022/5/19 10:45	< 0.000030	< 0.000028	Am-241: < 0.000048 Eu-154: < 0.000049 ※1 Co-60: < 0.000028	0.14		
		2022/4/18 11:01 ~ 2022/4/20 11:01	< 0.000030	< 0.000027	Am-241: < 0.000052 Eu-154: < 0.000047 ※1 Co-60: < 0.000026	0.13		

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 (Bq/m ³) Radioactivity Concentration (Bq/m ³)			空間線量率 Air dose rate (μ Sv/h)	備考 Remarks
			Cs-134	Cs-137	その他の人工核種 Other anthropogenic radionuclides		
302 双葉郡浪江町下津島 Futaba county Namie town Shimotsushima	○	2022/10/25 10:32 ~ 2022/10/27 10:32	< 0.000027	0.000036 ± 0.0000081	Am-241 : < 0.000045 Eu-154 : < 0.000039 ※1 Co-60 : < 0.000027	0.50	
		2022/9/13 10:34 ~ 2022/9/15 10:34	< 0.000027	0.00017 ± 0.000011	Am-241 : < 0.000045 Eu-154 : < 0.000040 ※1 Co-60 : < 0.000027	0.50	
		2022/8/23 10:40 ~ 2022/8/25 10:40	< 0.000025	0.000036 ± 0.0000098	Am-241 : < 0.000044 Eu-154 : < 0.000039 ※1 Co-60 : < 0.000027	0.51	
		2022/7/26 10:31 ~ 2022/7/28 10:31	< 0.000026	0.00020 ± 0.000011	Am-241 : < 0.000045 Eu-154 : < 0.000039 ※1 Co-60 : < 0.000028	0.52	
		2022/6/20 10:45 ~ 2022/6/22 10:45	< 0.000025	0.000040 ± 0.0000088	Am-241 : < 0.000042 Eu-154 : < 0.000040 ※1 Co-60 : < 0.000028	0.53	
		2022/5/24 10:40 ~ 2022/5/26 10:40	< 0.000025	0.00011 ± 0.0000097	Am-241 : < 0.000043 Eu-154 : < 0.000040 ※1 Co-60 : < 0.000029	0.54	
		2022/4/19 10:45 ~ 2022/4/21 10:45	< 0.000025	0.000040 ± 0.0000082	Am-241 : < 0.000042 Eu-154 : < 0.000040 ※1 Co-60 : < 0.000026	0.53	
303 田村市船引町船引 Tamura city Funehiki town Funehiki	○	2022/10/25 13:37 ~ 2022/10/27 13:37	< 0.000027	< 0.000023	Am-241 : < 0.000046 Eu-154 : < 0.000039 ※1 Co-60 : < 0.000028	0.10	
		2022/9/13 13:50 ~ 2022/9/15 13:50	< 0.000026	< 0.000025	Am-241 : < 0.000045 Eu-154 : < 0.000040 ※1 Co-60 : < 0.000028	0.10	
		2022/8/23 13:53 ~ 2022/8/25 13:53	< 0.000026	< 0.000030	Am-241 : < 0.000044 Eu-154 : < 0.000039 ※1 Co-60 : < 0.000025	0.09	
		2022/7/26 13:48 ~ 2022/7/28 13:48	< 0.000025	< 0.000024	Am-241 : < 0.000044 Eu-154 : < 0.000040 ※1 Co-60 : < 0.000027	0.10	
		2022/6/20 13:56 ~ 2022/6/22 13:56	< 0.000024	< 0.000024	Am-241 : < 0.000043 Eu-154 : < 0.000040 ※1 Co-60 : < 0.000027	0.10	
		2022/5/24 13:45 ~ 2022/5/26 13:45	< 0.000027	< 0.000026	Am-241 : < 0.000042 Eu-154 : < 0.000040 ※1 Co-60 : < 0.000028	0.10	
		2022/4/19 13:41 ~ 2022/4/21 13:41	< 0.000026	< 0.000025	Am-241 : < 0.000043 Eu-154 : < 0.000039 ※1 Co-60 : < 0.000027	0.10	

* 「< XX」は、放射性物質濃度が検出下限値(XX)未満であることを表す。

* "< XX" means that radioactivity concentration is lower than the detection limit XX.

※1 全て検出下限値未満であり、主要核種の検出下限値を記載。

※1 All the measurements are below the lower detection limits, and the lower detection limits of major nuclides are described.

[Abbreviation]

NRA : Nuclear Regulation Authority

福島県による大気浮遊じん放射物質濃度測定結果

Readings of dust sampling by Fukushima Prefecture

令和4年12月6日 Dec 6, 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 (Bq/m ³) Radioactivity Concentration (Bq/m ³)			空間線量率 Air dose rate (μ 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	○	2022/10/3 14:40 ~ 2022/10/4 14:40	< 0.000046	< 0.000045	Am-241 : < 0.00022 Eu-154 : < 0.000070 Co-60 : < 0.000045 ※1	測定せず Not measured	
				2022/9/5 10:40 ~ 2022/9/6 10:40	< 0.000030	0.000034 ± 0.0000063	Am-241 : < 0.00012 Eu-154 : < 0.000048 Co-60 : < 0.000028 ※1	測定せず Not measured	
				2022/8/5 9:00 ~ 2022/8/6 9:00	< 0.000032	< 0.000029	Am-241 : < 0.00011 Eu-154 : < 0.000050 Co-60 : < 0.000031 ※1	測定せず Not measured	
				2022/7/19 9:00 ~ 2022/7/20 9:00	< 0.000032	0.000026 ± 0.0000080	Am-241 : < 0.00010 Eu-154 : < 0.000045 Co-60 : < 0.000028 ※1	測定せず Not measured	
				2022/6/13 13:30 ~ 2022/6/14 13:30	< 0.000035	< 0.000031	Am-241 : < 0.00012 Eu-154 : < 0.000048 Co-60 : < 0.000035 ※1	測定せず Not measured	
				2022/5/2 13:45 ~ 2022/5/3 13:45	< 0.000034	< 0.000025	Am-241 : < 0.00011 Eu-154 : < 0.000050 Co-60 : < 0.000032 ※1	測定せず Not measured	
				2022/4/6 15:00 ~ 2022/4/7 15:00	< 0.000041	0.000030 ± 0.0000093	Am-241 : < 0.00013 Eu-154 : < 0.000050 Co-60 : < 0.000035 ※1	測定せず Not measured	

* 「< XX」は、放射性物質濃度が検出下限値(XX)未満であることを表す。

* “< XX” means that radioactivity concentration is lower than the detection limit XX.

※1 全て検出下限値未満であり、主要核種の検出下限値を記載。

※1 All the measurements are below the lower detection limits, and the lower detection limits of major nuclides are described.

[Abbreviation]

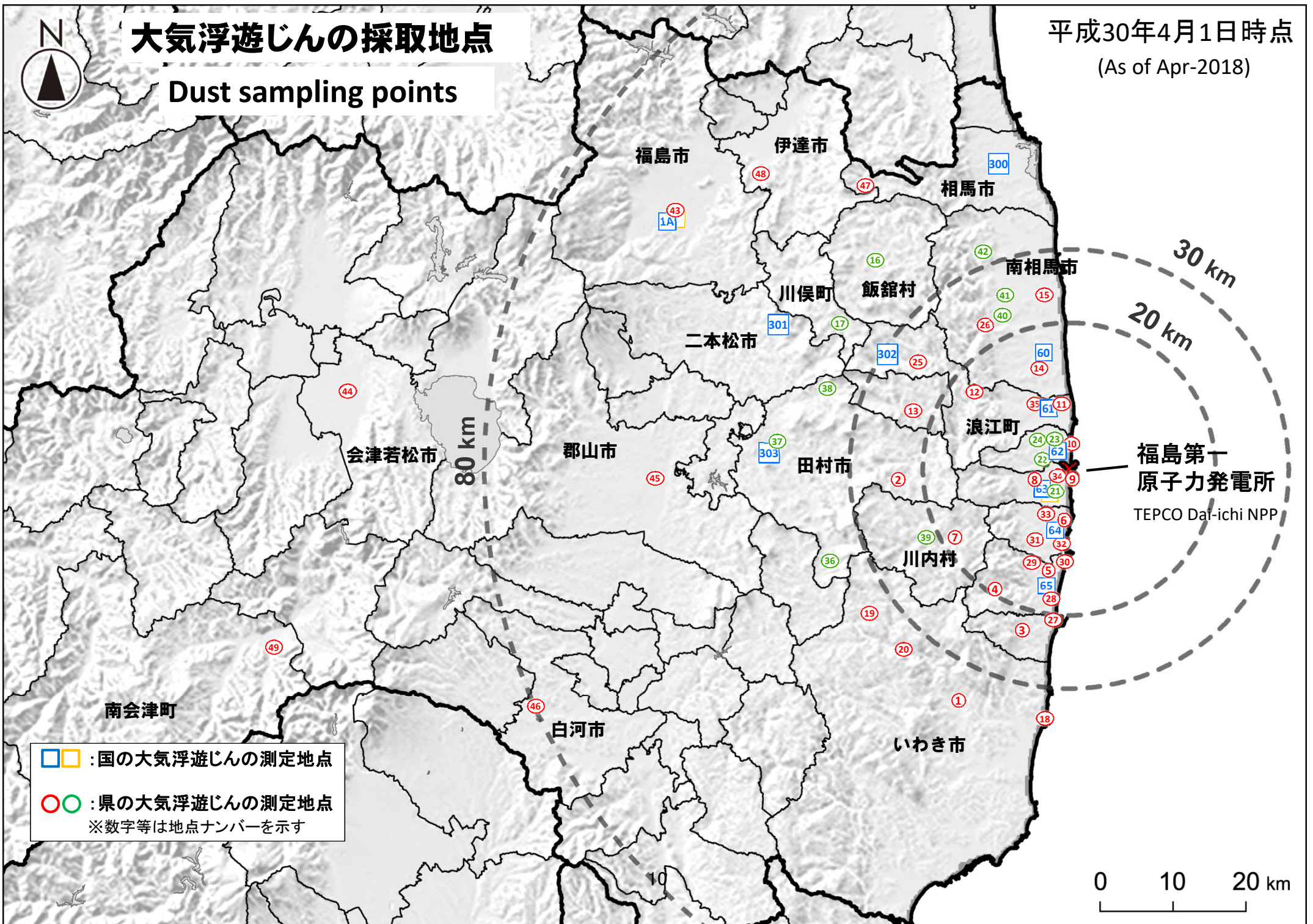
NRA : Nuclear Regulation Authority



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)



□ : 国の大気浮遊じんの測定地点

○ : 県の大気浮遊じんの測定地点

※数字等は地点ナンバーを示す

0 10 20 km

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9月分 [Sep, 2022])

2022.10.31 [Oct 31, 2022]

No.	都道府県名 [Prefecture] [City]	放射線物質濃度 [Radioactivity]		MBq/km ² /月 [MBq/km ² /month]		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]	< 0.12	< 0.050	< 0.047	-	
2	青森県(青森市) [Aomori] [Aomori]	< 0.10	< 0.055	< 0.055	-	
3	岩手県(盛岡市) [Iwate] [Morioka]	< 0.59	< 0.062	0.10	-	
4	宮城県(仙台市) [Miyagi] [Sendai]	< 0.14	< 0.054	0.11	-	
5	秋田県(秋田市) [Akita] [Akita]	< 0.18	< 0.050	< 0.045	-	
6	山形県(山形市) [Yamagata] [Yamagata]	< 0.087	< 0.073	0.32	-	
7	福島県(福島市) [Fukushima] [Fukushima]	< 0.16	< 0.064	1.0	-	
8	茨城県(ひたちなか市) [Ibaraki] [Hitachinaka]	< 0.42	< 0.096	0.42	-	
9	栃木県(宇都宮市) [Tochigi] [Utsunomiya]	< 0.64	< 0.066	0.11	-	
10	群馬県(前橋市) [Gunma] [Maebashi]	< 0.14	< 0.065	0.050	-	
11	埼玉県(加須市) [Saitama] [Kazo]	< 0.077	< 0.071	0.084	-	
12	千葉県(市原市) [Chiba] [Chihara]	< 0.084	< 0.061	< 0.050	-	
13	東京都(新宿区) [Tokyo] [Shinjuku]	< 0.20	< 0.062	0.15	-	
14	神奈川県(茅ヶ崎市) [Kanagawa] [Chigasaki]	< 0.18	< 0.044	0.065	-	
15	新潟県(新潟市) [Niigata] [Niigata]	< 0.15	< 0.049	< 0.038	-	
16	富山県(射水市) [Toyama] [Imizu]	< 0.099	< 0.038	< 0.029	-	
17	石川県(金沢市) [Ishikawa] [Kanazawa]	< 0.22	< 0.044	< 0.034	-	
18	福井県(福井市) [Fukui] [Fukui]	< 0.099	< 0.066	< 0.047	-	
19	山梨県(甲府市) [Yamanashi] [Kofu]					機器の故障により分析が遅延。 [The measurements have been delayed due to failure of the instrument.]
20	長野県(長野市) [Nagano] [Nagano]	< 0.098	< 0.071	< 0.064	-	
21	岐阜県(各務原市) [Gifu] [Kakamigahara]	< 0.22	< 0.069	< 0.061	-	
22	静岡県(牧之原市) [Shizuoka] [Makinohara]	< 0.28	< 0.052	< 0.041	-	
23	愛知県(名古屋市) [Aichi] [Nagoya]	< 0.17	< 0.046	< 0.036	-	
24	三重県(四日市市) [Mie] [Yokkaichi]	< 0.21	< 0.047	< 0.043	-	
25	滋賀県(大津市) [Shiga] [Otsu]	< 0.26	< 0.051	< 0.041	-	
26	京都府(京都市) [Kyoto] [Kyoto]	< 0.10	< 0.042	< 0.034	-	
27	大阪府(大阪市) [Osaka] [Osaka]	< 0.062	< 0.041	< 0.037	-	
28	兵庫県(加古川市) [Hyogo] [Kakogawa]	< 0.054	< 0.045	< 0.038	-	
29	奈良県(桜井市) [Nara] [Sakurai]	< 0.54	< 0.059	< 0.053	-	
30	和歌山県(和歌山市) [Wakayama] [Wakayama]	< 0.34	< 0.055	< 0.052	-	
31	鳥取県(東伯郡) [Tottori] [Tohaku]	< 0.12	< 0.080	< 0.067	-	
32	島根県(松江市) [Shimane] [Matsue]	< 0.16	< 0.037	< 0.032	-	
33	岡山県(岡山市) [Okayama] [Okayama]	< 0.085	< 0.038	< 0.033	-	
34	広島県(広島市) [Hiroshima] [Hiroshima]	< 0.25	< 0.062	< 0.053	-	
35	山口県(山口市) [Yamaguchi] [Yamaguchi]	< 0.95	< 0.072	< 0.062	-	
36	徳島県(徳島市) [Tokushima] [Tokushima]	< 0.29	< 0.080	< 0.070	-	
37	香川県(高松市) [Kagawa] [Takamatsu]	< 0.24	< 0.075	< 0.064	-	
38	愛媛県(八幡浜市) [Ehime] [Yawatahama]	< 0.25	< 0.047	< 0.040	-	本年4月から8月までのデータのうち、松山市は八幡浜市の記載誤記でした。 [The reports from Apr. to Aug. this year, the description of the city "Matsuyama" was an error of "Yawatahama".]
39	高知県(高知市) [Kochi] [Kochi]	< 0.19	< 0.056	< 0.044	-	
40	福岡県(太宰府市) [Fukuoka] [Dazaifu]	< 0.26	< 0.048	< 0.043	-	
41	佐賀県(佐賀市) [Saga] [Saga]	< 0.12	< 0.056	< 0.047	-	
42	長崎県(大村市) [Nagasaki] [Omura]	< 0.27	< 0.080	< 0.065	-	
43	熊本県(宇土市) [Kumamoto] [Uto]	< 0.066	< 0.039	< 0.036	-	
44	大分県(大分市) [Oita] [Oita]	< 0.74	< 0.046	< 0.059	-	
45	宮崎県(宮崎市) [Miyazaki] [Miyazaki]	< 0.084	< 0.051	< 0.047	-	
46	鹿児島県(薩摩川内市) [Kagoshima] [Satsumasendai]	< 0.80	< 0.063	< 0.059	-	
47	沖縄県(うるま市) [Okinawa] [Uruma]	< 0.032	< 0.039	< 0.032	-	

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.]
 4. 「< XX」は放射性物質濃度が検出下限値(XX)未満であることを表す [4. 「< XX」 means that radioactivity concentration is lower than the detection limit XX.]

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10月分 [Oct. 2022])

2022.11.30 [Nov 30, 2022]

	都道府県名 [Prefecture] [City]	放射性物質濃度 [Radioactivity]		MBq/km ² /月 [MBq/km ² /month]		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]	< 0.14	< 0.054	< 0.047	-	
2	青森県(青森市) [Aomori] [Aomori]	< 0.13	< 0.054	< 0.053	-	
3	岩手県(盛岡市) [Iwate] [Morioka]	< 0.77	< 0.064	< 0.053	-	
4	宮城県(仙台市) [Miyagi] [Sendai]	< 0.13	< 0.054	0.052	-	
5	秋田県(秋田市) [Akita] [Akita]	< 0.27	< 0.056	< 0.042	-	
6	山形県(山形市) [Yamagata] [Yamagata]	< 0.13	< 0.065	0.066	-	
7	福島県(福島市) [Fukushima] [Fukushima]	< 0.15	0.064	2.4	-	
8	茨城県(ひたちなか市) [Ibaraki] [Hitachinaka]	< 0.57	0.099	3.6	-	
9	栃木県(宇都宮市) [Tochigi] [Utsunomiya]	< 0.33	< 0.064	0.089	-	
10	群馬県(前橋市) [Gunma] [Maebashi]	< 0.099	< 0.060	0.048	-	
11	埼玉県(加須市) [Saitama] [Kazo]	< 0.11	< 0.067	0.045	-	
12	千葉県(市原市) [Chiba] [Chihara]	< 0.12	< 0.063	0.099	-	
13	東京都(新宿区) [Tokyo] [Shinjuku]	< 0.17	< 0.055	0.16	-	
14	神奈川県(茅ヶ崎市) [Kanagawa] [Chigasaki]	< 0.10	< 0.040	0.042	-	
15	新潟県(新潟市) [Niigata] [Niigata]	< 0.19	< 0.042	< 0.035	-	
16	富山県(射水市) [Toyama] [Imizu]	< 0.096	< 0.032	< 0.031	-	
17	石川県(金沢市) [Ishikawa] [Kanazawa]	< 0.30	< 0.040	< 0.031	-	
18	福井県(福井市) [Fukui] [Fukui]	< 0.17	< 0.052	< 0.044	-	
19	山梨県(甲府市) [Yamanashi] [Kofu]					機器の故障により分析が遅延。 [The measurements have been delayed due to failure of the instrument.]
20	長野県(長野市) [Nagano] [Nagano]	< 0.13	< 0.069	< 0.067	-	
21	岐阜県(各務原市) [Gifu] [Kakamigahara]	< 0.11	< 0.064	< 0.052	-	
22	静岡県(牧之原市) [Shizuoka] [Makinohara]	< 0.10	< 0.054	< 0.046	-	
23	愛知県(名古屋) [Aichi] [Nagoya]	< 0.10	< 0.046	< 0.034	-	
24	三重県(四日市市) [Mie] [Yokkaichi]	< 0.17	< 0.043	< 0.042	-	
25	滋賀県(大津市) [Shiga] [Otsu]	< 0.27	< 0.054	< 0.046	-	
26	京都府(京都市) [Kyoto] [Kyoto]	< 0.13	< 0.041	< 0.038	-	
27	大阪府(大阪市) [Osaka] [Osaka]	< 0.092	< 0.042	< 0.038	-	
28	兵庫県(加古川市) [Hyogo] [Kakogawa]	< 0.073	< 0.043	< 0.051	-	
29	奈良県(桜井市) [Nara] [Sakurai]	< 0.35	< 0.057	< 0.052	-	
30	和歌山県(和歌山市) [Wakayama] [Wakayama]	< 0.19	< 0.049	< 0.053	-	
31	鳥取県(東伯郡) [Tottori] [Tohaku]	< 0.17	< 0.080	< 0.069	-	
32	島根県(松江市) [Shimane] [Matsue]	< 0.11	< 0.041	< 0.031	-	
33	岡山県(岡山市) [Okayama] [Okayama]	< 0.073	< 0.038	< 0.035	-	
34	広島県(広島市) [Hiroshima] [Hiroshima]	< 0.17	< 0.058	< 0.051	-	
35	山口県(山口市) [Yamaguchi] [Yamaguchi]	< 0.35	< 0.062	< 0.064	-	
36	徳島県(徳島市) [Tokushima] [Tokushima]	< 0.23	< 0.076	< 0.068	-	
37	香川県(高松市) [Kagawa] [Takamatsu]	< 0.14	< 0.070	< 0.056	-	
38	愛媛県(八幡浜市) [Ehime] [Yawatahama]	< 0.16	< 0.043	< 0.039	-	
39	高知県(高知市) [Kochi] [Kochi]	< 0.12	< 0.049	< 0.046	-	
40	福岡県(太宰府市) [Fukuoka] [Dazaifu]	< 0.11	< 0.051	< 0.043	-	
41	佐賀県(佐賀市) [Saga] [Saga]	< 0.17	< 0.061	< 0.048	-	
42	長崎県(大村市) [Nagasaki] [Omura]	< 0.13	< 0.085	< 0.067	-	
43	熊本県(宇土市) [Kumamoto] [Uto]	< 0.066	< 0.037	< 0.029	-	
44	大分県(大分市) [Oita] [Oita]	< 0.26	< 0.051	< 0.050	-	
45	宮崎県(宮崎市) [Miyazaki] [Miyazaki]	< 0.055	< 0.047	< 0.038	-	
46	鹿児島県(薩摩川内市) [Kagoshima] [Satsumasendai]	< 0.24	< 0.064	< 0.051	-	
47	沖縄県(うるま市) [Okinawa] [Uruma]	< 0.035	< 0.038	< 0.034	-	

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 for I-131, Cs-134 and Cs-137, contingent on samples or measurement conditions, are different for each prefecture.]

4. 「< XX」は放射性物質濃度が検出下限値(XX)未満であることを表す [4. 「< XX」 means that radioactivity concentration is lower than the detection limit XX.]

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11月分 [Nov. 2022])

2022.12.27 [Dec 27, 2022]

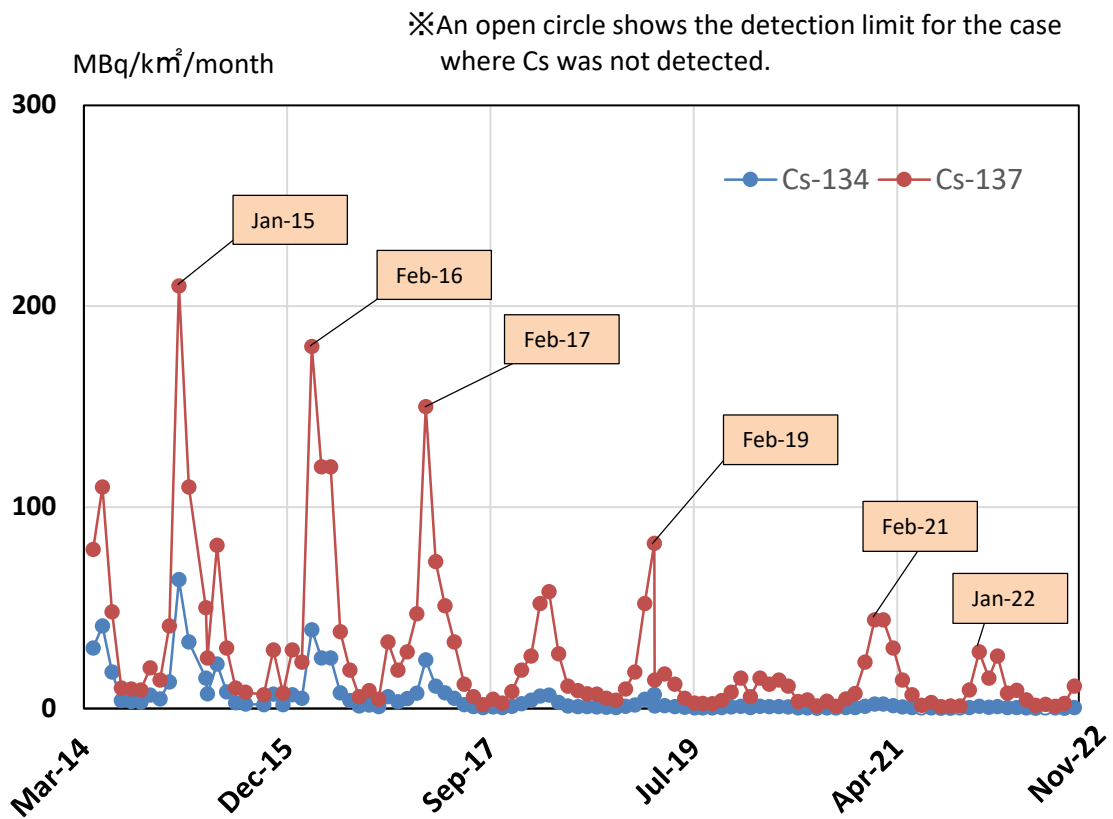
	都道府県名 [Prefecture] [City]	放射性物質濃度 [Radioactivity]		MBq/km ² /月 [MBq/km ² /month]		備考 [Remarks]
		放射性ヨウ素131 [I-131]	放射性セシウム134 [Cs-134]	放射性セシウム137 [Cs-137]	その他検出された核種 [Other detected nuclides]	
1	北海道(札幌市) [Hokkaido] [Sapporo]	< 0.17	< 0.057	< 0.048	-	
2	青森県(青森市) [Aomori] [Aomori]	< 0.14	< 0.073	< 0.081	-	
3	岩手県(盛岡市) [Iwate] [Morioka]	< 0.53	< 0.063	< 0.062	-	
4	宮城県(仙台市) [Miyagi] [Sendai]	< 0.15	< 0.056	0.15	-	
5	秋田県(秋田市) [Akita] [Akita]	< 0.23	< 0.052	< 0.049	-	
6	山形県(山形市) [Yamagata] [Yamagata]	< 0.18	< 0.057	< 0.054	-	
7	福島県(福島市) [Fukushima] [Fukushima]	< 0.14	0.30	11	-	
8	茨城県(ひたちなか市) [Ibaraki] [Hitachinaka]	< 0.34	< 0.090	0.26	-	
9	栃木県(宇都宮市) [Tochigi] [Utsunomiya]	< 0.30	< 0.067	0.098	-	
10	群馬県(前橋市) [Gunma] [Maebashi]	< 0.10	< 0.070	0.071	-	
11	埼玉県(加須市) [Saitama] [Kazo]	< 0.30	< 0.066	0.084	-	
12	千葉県(市原市) [Chiba] [Ichihara]	< 0.099	< 0.067	0.14	-	
13	東京都(新宿区) [Tokyo] [Shinjuku]	< 0.18	< 0.059	0.13	-	
14	神奈川県(茅ヶ崎市) [Kanagawa] [Chigasaki]	< 0.16	< 0.044	0.086	-	
15	新潟県(新潟市) [Niigata] [Niigata]	< 0.19	< 0.048	< 0.034	-	
16	富山県(射水市) [Toyama] [Imizu]	< 0.077	< 0.034	< 0.028	-	
17	石川県(金沢市) [Ishikawa] [Kanazawa]	< 0.25	< 0.041	< 0.032	-	
18	福井県(福井市) [Fukui] [Fukui]	< 0.12	< 0.056	< 0.040	-	
19	山梨県(甲府市) [Yamanashi] [Kofu]					機器の故障により分析が遅延。 [The measurements have been delayed due to failure of the instrument.]
20	長野県(長野市) [Nagano] [Nagano]	< 0.19	< 0.071	< 0.059	-	
21	岐阜県(各務原市) [Gifu] [Kakamigahara]	< 0.24	< 0.063	< 0.055	-	
22	静岡県(牧之原市) [Shizuoka] [Makinohara]	< 0.22	< 0.058	< 0.043	-	
23	愛知県(名古屋市) [Aichi] [Nagoya]	< 0.12	< 0.043	< 0.038	-	
24	三重県(四日市市) [Mie] [Yokkaichi]	< 0.14	< 0.045	< 0.038	-	
25	滋賀県(大津市) [Shiga] [Otsu]	< 0.29	< 0.055	< 0.045	-	
26	京都府(京都市) [Kyoto] [Kyoto]	< 0.11	< 0.035	< 0.037	-	
27	大阪府(大阪市) [Osaka] [Osaka]	< 0.15	< 0.036	< 0.037	-	
28	兵庫県(加古川市) [Hyogo] [Kakogawa]	< 0.072	< 0.046	< 0.037	-	
29	奈良県(桜井市) [Nara] [Sakurai]	< 0.43	< 0.059	< 0.053	-	
30	和歌山県(和歌山市) [Wakayama] [Wakayama]	< 0.13	< 0.036	< 0.034	-	
31	鳥取県(東伯郡) [Tottori] [Tohaku]	< 0.17	< 0.070	< 0.073	-	
32	島根県(松江市) [Shimane] [Matsue]	< 0.094	< 0.039	< 0.027	-	
33	岡山県(岡山市) [Okayama] [Okayama]	< 0.072	< 0.037	< 0.034	-	
34	広島県(広島市) [Hiroshima] [Hiroshima]	< 0.19	< 0.061	< 0.051	-	
35	山口県(山口市) [Yamaguchi] [Yamaguchi]	< 0.49	< 0.075	< 0.061	-	
36	徳島県(徳島市) [Tokushima] [Tokushima]	< 0.21	< 0.081	< 0.064	-	
37	香川県(高松市) [Kagawa] [Takamatsu]	< 0.12	< 0.072	< 0.063	-	
38	愛媛県(八幡浜市) [Ehime] [Yawatahama]	< 0.086	< 0.046	< 0.039	-	
39	高知県(高知市) [Kochi] [Kochi]	< 0.12	< 0.052	< 0.048	-	
40	福岡県(太宰府市) [Fukuoka] [Dazaifu]	< 0.13	< 0.047	< 0.044	-	
41	佐賀県(佐賀市) [Saga] [Saga]	< 0.24	< 0.054	< 0.050	-	
42	長崎県(大村市) [Nagasaki] [Omura]	< 0.16	< 0.080	< 0.068	-	
43	熊本県(宇土市) [Kumamoto] [Uto]	< 0.060	< 0.039	< 0.032	-	
44	大分県(大分市) [Oita] [Oita]	< 0.35	< 0.046	< 0.048	-	
45	宮崎県(宮崎市) [Miyazaki] [Miyazaki]	< 0.099	< 0.044	< 0.044	-	
46	鹿児島県(薩摩川内市) [Kagoshima] [Satsumasenda]	< 0.55	< 0.065	< 0.055	-	
47	沖縄県(うるま市) [Okinawa] [Uruma]	< 0.034	< 0.037	< 0.030	-	

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.] 13

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.]

4. 「< XX」は放射性物質濃度が検出下限値(XX)未満であることを表す [4. 「< XX」 means that radioactivity concentration is lower than the detection limit XX.]



**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株の発表をもとに作成^{※1})
 試料採取日: 令和4年11月21日

Radioactivity concentration in the seawater near Fukushima Dai-ichi NPP
 (Based on the press release of TEPCO^{※1})
 Sampling Date: Nov 21, 2022

令和4年12月27日
 Dec 27, 2022

採取場所 Sampling Point	採取日 Sampling Date	Cs-134	Cs-137	H-3	全α (gross α)	全β ^{※2} (gross β)	Sr-90	Pu-238	Pu-239+240	
		放射性物質濃度(Bq/L) Radioactivity concentration (Bq/L)								
T-1	2022/8/8 8:05	0.0036	0.14							0
	2022/8/17 8:17	0.0024	0.092							0
	2022/8/22 8:25	0.0021	0.076							0
	2022/8/29 8:30	0.0019	0.083							0
	2022/9/5 8:10	0.0020	0.078	0.89	< 1.7	10	0.0063			0
	2022/9/12 8:15	< 0.0012	0.029							0
	2022/9/19 8:00	0.0031	0.13							0
	2022/9/26 8:00	0.0035	0.14							0
	2022/10/3 8:35	< 0.0013	0.055	< 0.32	< 1.8	12	0.0087	< 0.0000047	< 0.0000046	0
	2022/10/12 8:15	0.0023	0.071							0
	2022/10/17 8:00	0.0012	0.044							0
	2022/10/24 8:10	< 0.0012	0.032							0
	2022/10/31 8:05	< 0.0012	0.035							0
	2022/11/7 8:40	0.0025	0.12							0
2022/11/14 8:00	< 0.0012	0.035							0	
2022/11/21 8:30	< 0.0012	0.037							0	
※3 T-2	2022/8/8 9:15	< 0.0011	0.029							0
	2022/8/17 9:15	< 0.0012	0.051							0
	2022/8/22 8:48	0.0014	0.042							0
	2022/8/29 9:10	0.0018	0.052							0
	2022/9/5 9:15	0.0017	0.053	< 0.33	< 1.7	11	0.0018			0
	2022/9/12 9:15	< 0.0012	0.033							0
	2022/9/19 8:36	0.0020	0.095							0
	2022/9/26 9:15	0.0017	0.076							0
	2022/10/3 7:22	< 0.0013	0.055	< 0.32	< 1.8	15	0.0013	< 0.0000046	< 0.0000046	0
	2022/10/12 8:50	0.0044	0.18							0
	2022/10/17 8:40	0.0017	0.065							0
	2022/10/24 8:36	0.0019	0.075							0
	2022/10/31 8:20	< 0.0013	0.043							0
	2022/11/7 8:30	< 0.0013	0.063							0
2022/11/14 8:30	0.0020	0.076							0	
2022/11/21 8:50	0.0021	0.091							0	

0: 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.

* 「< XX」は放射性物質濃度が検出下限値(XX)未満であることを表す。

* "< XX" means that radioactivity concentration is lower than the detection limit XX.

* 採取場所の緯度経度はURLを参照。(https://radioactivity.nsr.go.jp/ja/contents/17000/16507/view.html)

* Refer to the URL for the latitude and longitude of the sampling points. (https://radioactivity.nsr.go.jp/ja/contents/17000/16507/view.html)

※1 東京電力ホールディングス株の発表 (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 分析方法: 蒸発乾固法

※2 Analytical method: Evaporation drying method

※3 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日より採取場所を1~4号機放水口から南側に約1300mの地点に一時的に変更。

※3 Because of ensuring safety in sampling operation, sampling point has been moved to approximately 1300 m south from discharge outlet of Fukushima Dai-ichi NPP (unit 1 to 4) temporarily since Dec. 17, 2021.

参考

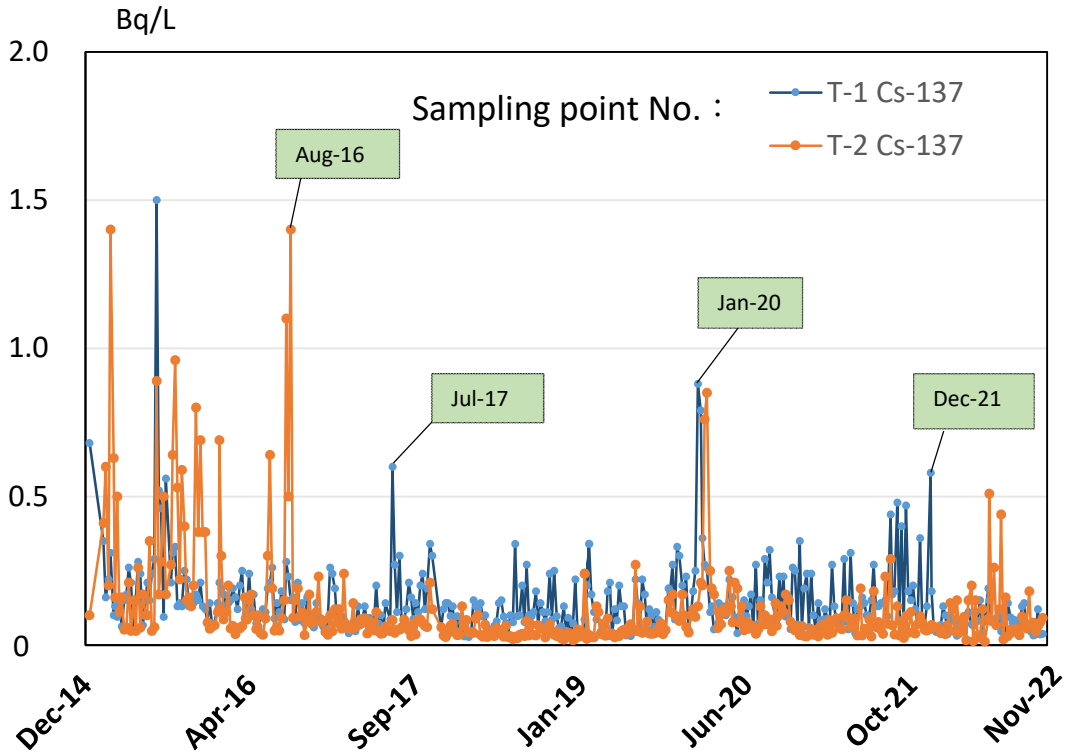
reference

福島第一原発事故以前の海水のモニタリング結果:

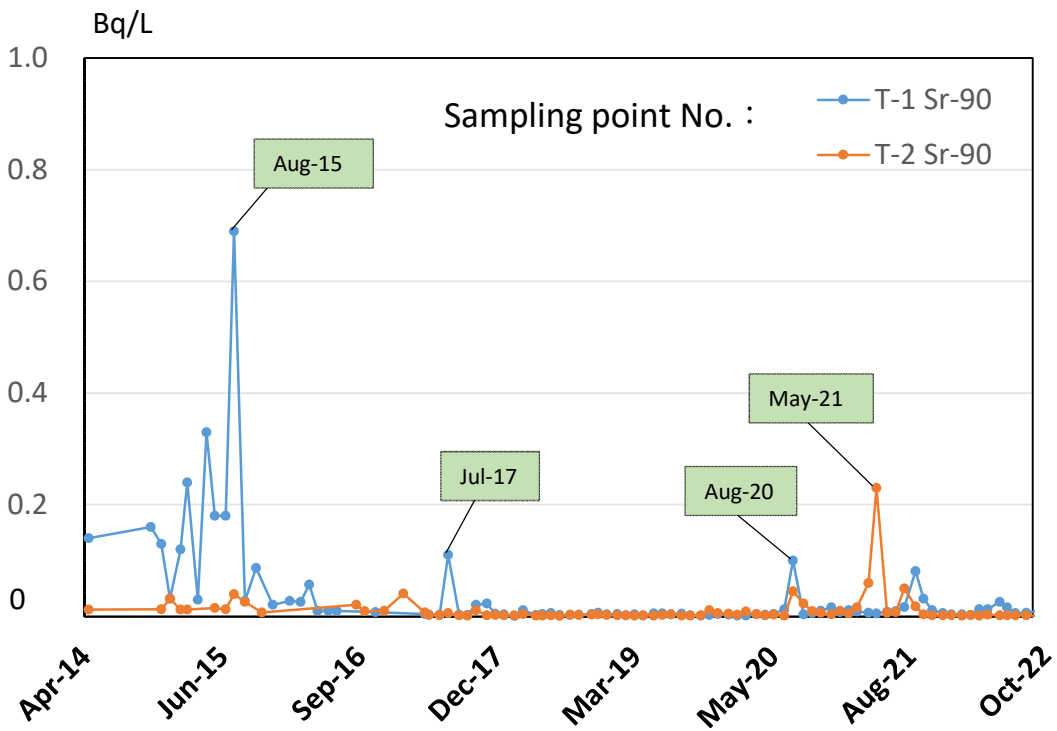
(https://radioactivity.nsr.go.jp/ja/contents/9000/8483/24/Beforedisaster.pdf)

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 近傍海域の海水モニタリング結果

Readings of Sea Area Monitoring near Fukushima Dai-ichi NPP

試料採取日: 令和4年10月7日、11月12日

(Sampling Date: Oct 7, Nov 12, 2022)

令和4年12月20日

Dec 20, 2022

原子力規制委員会

Nuclear Regulation Authority (NRA)

			Cs-134	Cs-137	Sr-90	H-3
採取場所 Sampling Point	採取日 Sampling Date	採取深度 Sampling Depth (m)	放射性物質濃度 (Bq/L) Radioactivity concentration (Bq/L)			
M-101	2021/12/15	0.5	0.00087	0.025	0.0027	0.13
	2022/1/13	0.5	0.0010	0.030	0.0014	0.13
	2022/2/3	0.5	0.00084	0.024	0.0010	0.14
	2022/3/3	0.5	0.0015	0.043	0.0012	0.12 ^{※1}
	2022/4/21	0.5	< 0.00054	0.013	0.0014	0.14
	2022/5/20	0.5	0.00086	0.028	0.0013	0.076
	2022/6/10	0.5	< 0.00052	0.010	0.00080	0.15
	2022/7/20	0.5	< 0.00046	0.013	0.0013	0.18
	2022/8/25	0.5	< 0.00053	0.0024	0.00085	0.11
	2022/9/16	0.5	0.00098	0.033	0.0014	0.071
	2022/10/7	0.5	< 0.00045	0.0081	0.0012	0.081
2022/11/12	0.5	< 0.00049	0.013			
M-102	2021/12/14	0.5	0.0011	0.018	0.0020	0.12
	2022/1/15	0.5	< 0.00053	0.0036	0.0013	< 0.056
	2022/2/4	0.5	< 0.00052	0.011	0.00078	0.15
	2022/3/4	0.5	< 0.00056	0.0068	0.00075	0.082 ^{※1}
	2022/4/21	0.5	< 0.00050	0.0080	0.00088	0.12
	2022/5/20	0.5	< 0.00043	0.013	0.00094	0.089
	2022/6/10	0.5	< 0.00054	0.013	0.0018	0.13
	2022/7/20	0.5	< 0.00051	0.0043	0.00084	0.14
	2022/8/25	0.5	< 0.00043	0.0026	0.00091	0.099
	2022/9/16	0.5	< 0.00051	0.0082	0.0012	0.084
	2022/10/7	0.5	< 0.00047	0.0073	0.00079	0.087
2022/11/12	0.5	< 0.00049	0.0046			
M-103	2021/12/15	0.5	0.00073	0.017	0.0010	< 0.057
	2022/1/13	0.5	< 0.00054	0.012	0.00096	< 0.056
	2022/2/3	0.5	< 0.00056	0.0062	0.00086	0.067
	2022/3/3	0.5	< 0.00056	0.010	0.00090	0.084 ^{※1}
	2022/4/21	0.5	< 0.00048	0.0098	0.00097	0.13
	2022/5/20	0.5	< 0.00055	0.0051	0.00093	0.12
	2022/6/10	0.5	< 0.00050	0.010	0.00099	0.21
	2022/7/20	0.5	< 0.00050	0.0063	0.00090	0.15
	2022/8/25	0.5	< 0.00053	0.0028	0.0011	0.10
	2022/9/16	0.5	< 0.00049	0.010	0.00095	0.12
	2022/10/7	0.5	< 0.00049	0.0043	0.00085	0.14
2022/11/12	0.5	< 0.00050	0.0083			
M-104	2021/12/14	0.5	< 0.00052	0.013	0.00070	0.073
	2022/1/15	0.5	< 0.00052	0.0034	0.00092	0.067
	2022/2/4	0.5	< 0.00056	0.0070	0.00077	0.12
	2022/3/4	0.5	< 0.00049	0.0047	0.00078	0.068 ^{※1}
	2022/4/21	0.5	< 0.00052	0.0063	0.00090	0.15
	2022/5/20	0.5	< 0.00049	0.011	0.00095	0.088
	2022/6/10	0.5	< 0.00045	0.0082	0.0012	0.15
	2022/7/20	0.5	< 0.00055	0.0058	0.00076	0.21
	2022/8/25	0.5	< 0.00049	0.0030	0.00087	0.083
	2022/9/16	0.5	< 0.00050	0.0038	0.0011	0.16
	2022/10/7	0.5	< 0.00052	0.0031	0.00077	0.093
2022/11/12	0.5	< 0.00043	0.0039			

- * 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).

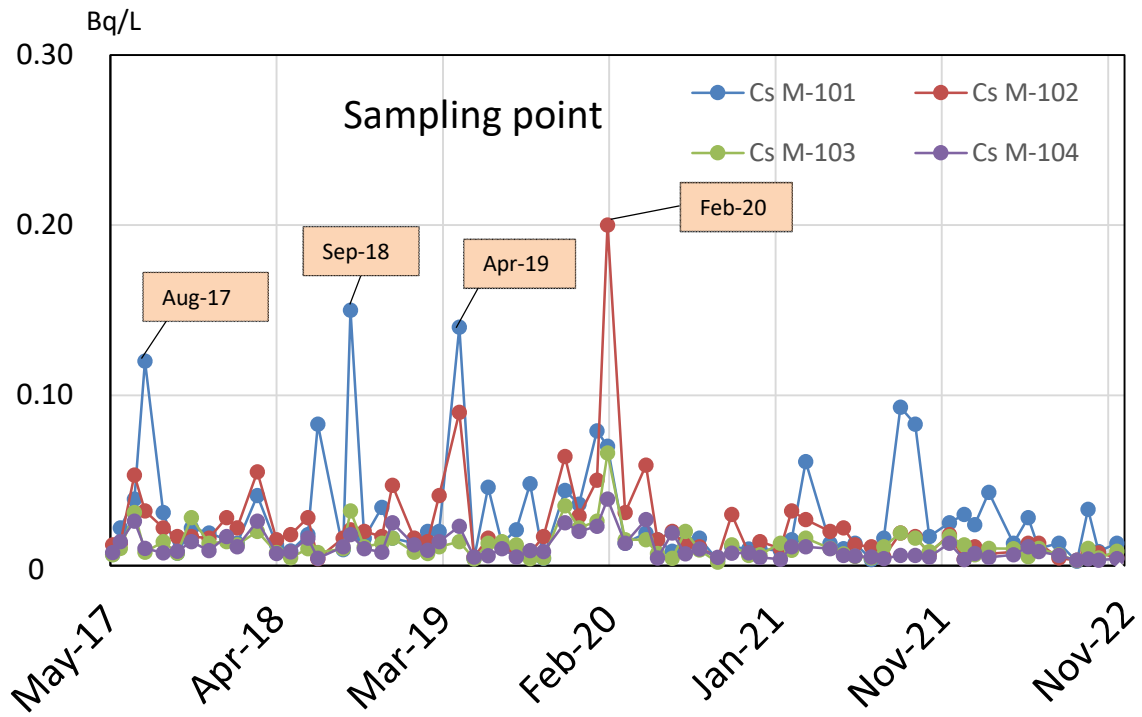
※1(株)KANSOテクノス[H-3]が分析。

※1 Analysis by KANSO Co.,Ltd.[H-3] .

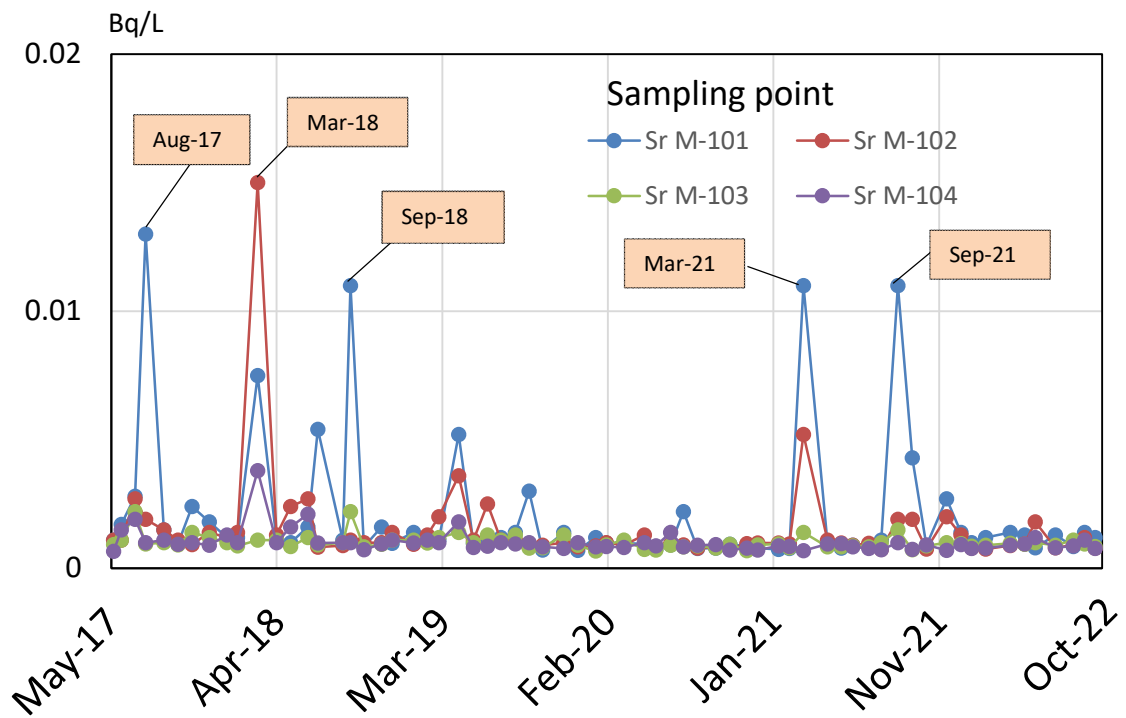
- * 「< XX」は、放射性物質濃度が検出下限値(XX)未満であることを表す。
- * “< XX ” means that radioactivity concentration is lower than the detection limit XX.

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

- * 採取場所の緯度経度は下記 URL を参照。
- * Refer to the URL below for the latitude and longitude of the sampling points.
- * <https://radioactivity.nsr.go.jp/ja/contents/17000/16507/view.html>



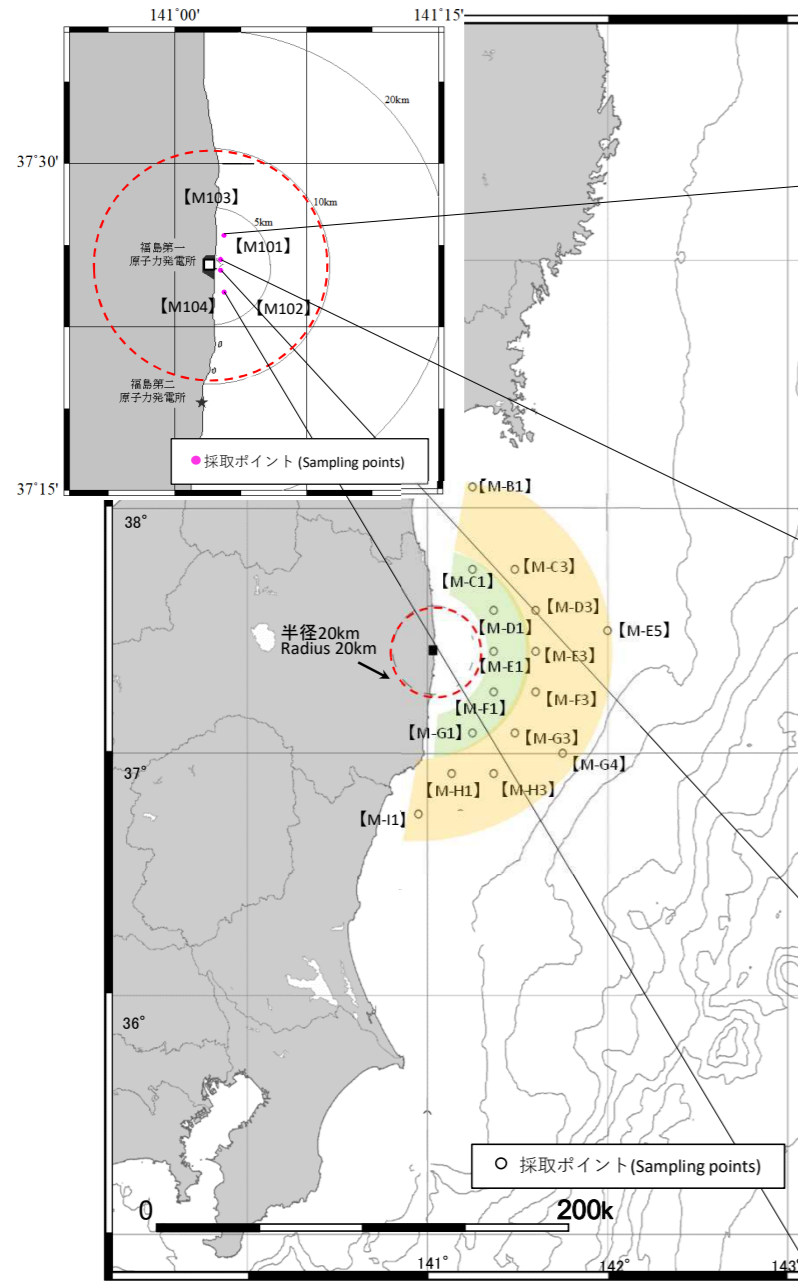
Concentration ranges of Cs-137 in sea-water near the Fukushima Daiichi NPS surveyed by the NRA



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

海水中トリチウム濃度の推移

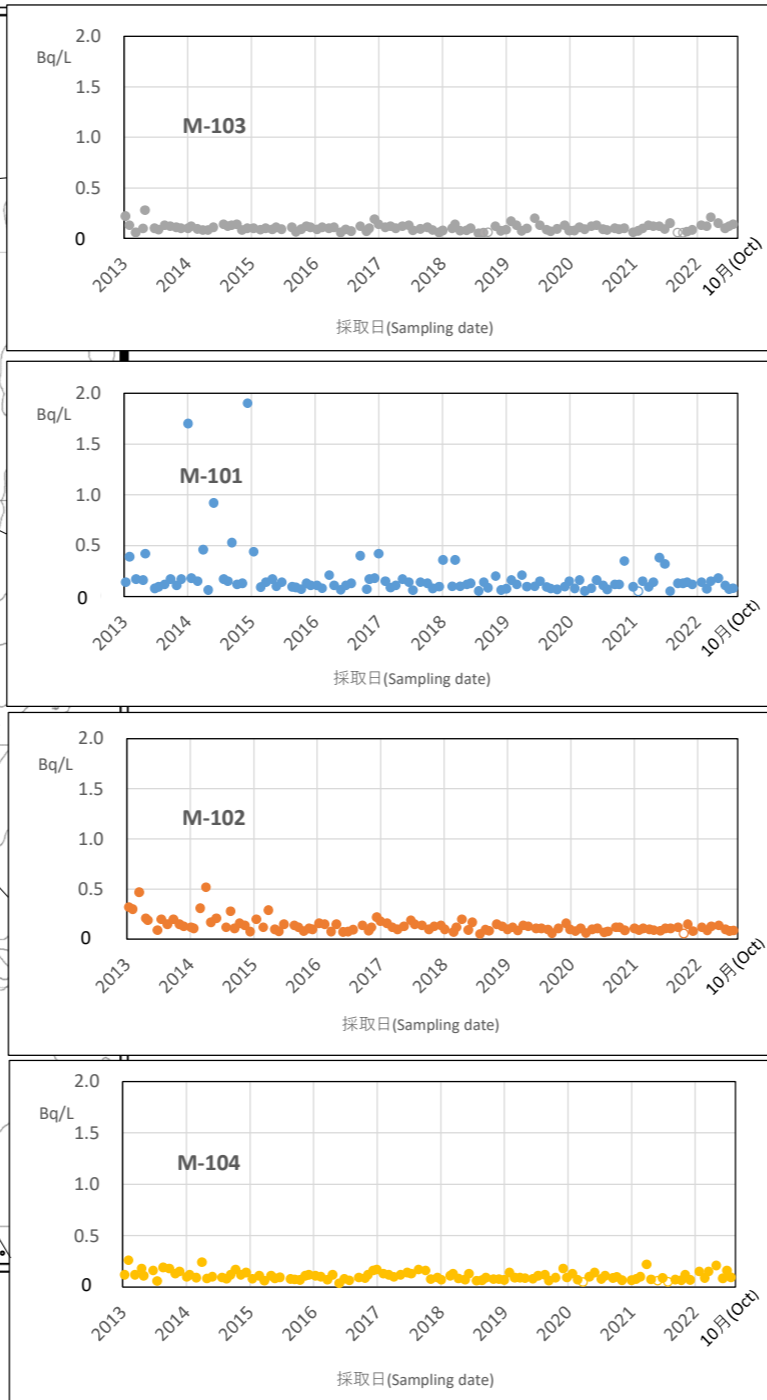
Concentration ranges of Tritium in sea-water near and offshore of Fukushima Daiichi NPP



福島第一発電所近傍及び沖合における海水採取場所
Seawater sampling points near and offshore of Fukushima Dai-ichi NPP

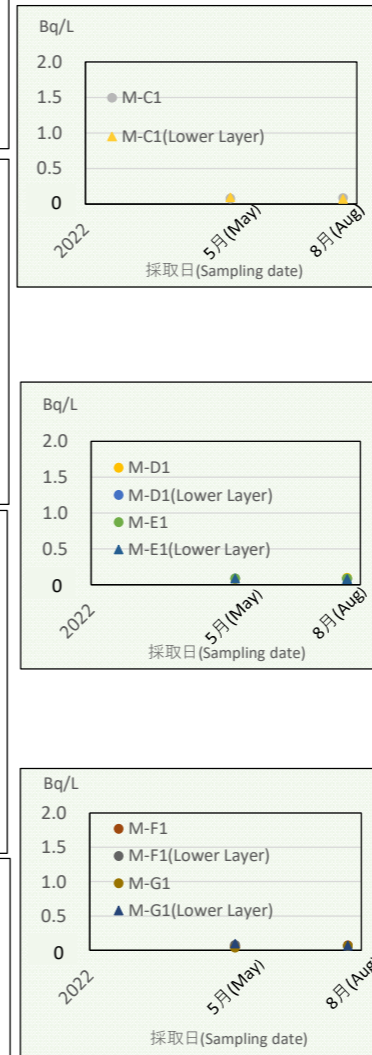
* 図中の■は東京電力ホールディングス㈱福島第一原子力発電所を示す。
* The mark ■ indicates the location of Fukushima Dai-ichi NPP.

近傍海域

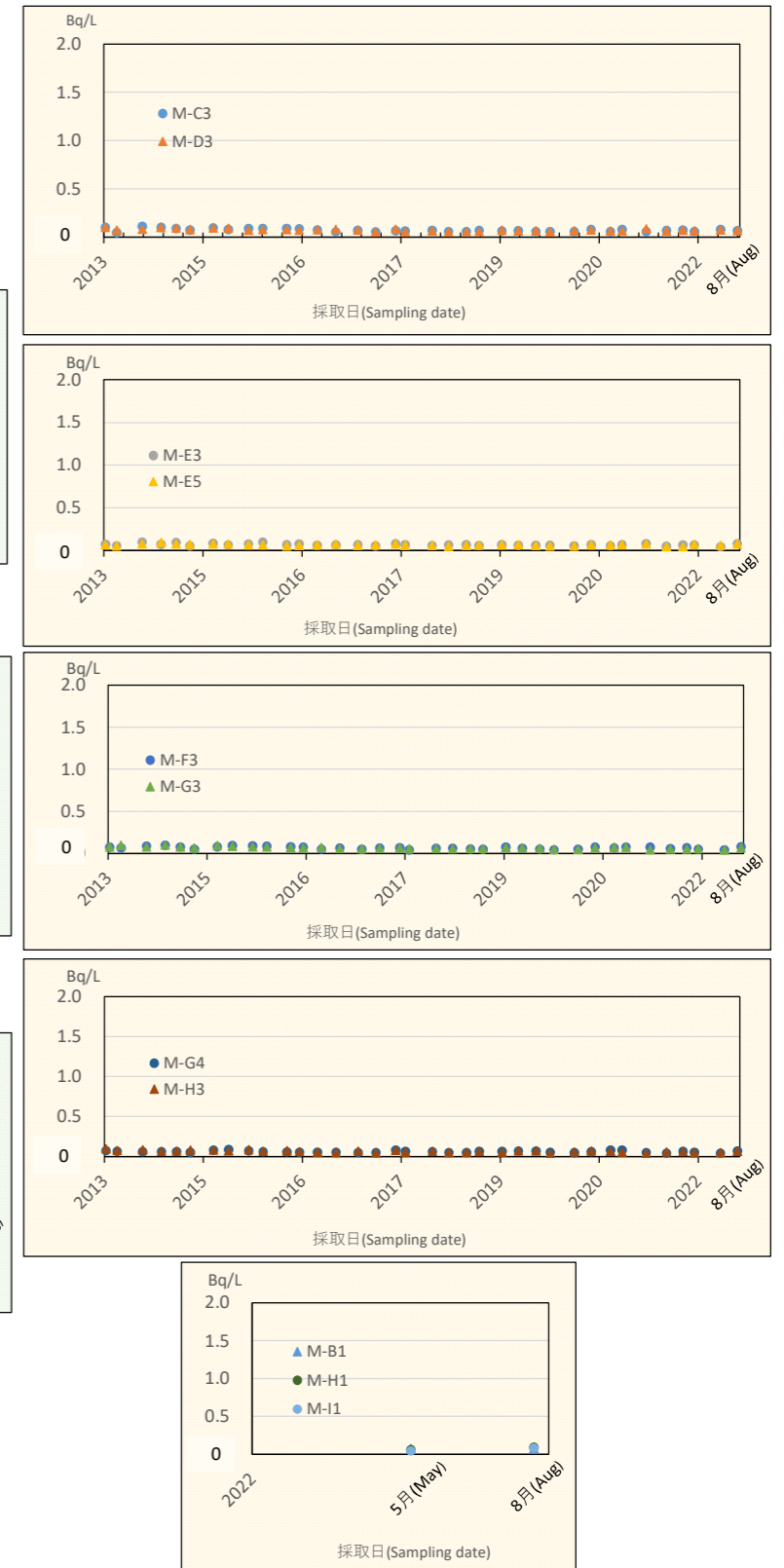


※NDは白抜きとし検出下限値を表示 ※An open circle shows the detection limit for the case where tritium was not detected.

沖合海域 (30 km~50 km)



沖合海域(50 km~)



原子力規制委員会
Nuclear Regulation Authority (NRA)

令和4年12月20日
Dec 20, 2022

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^{※1})

Radioactivity concentration in the seawater near Fukushima Dai-ichi NPP
(Based on the press release of Fukushima Prefecture^{※1})

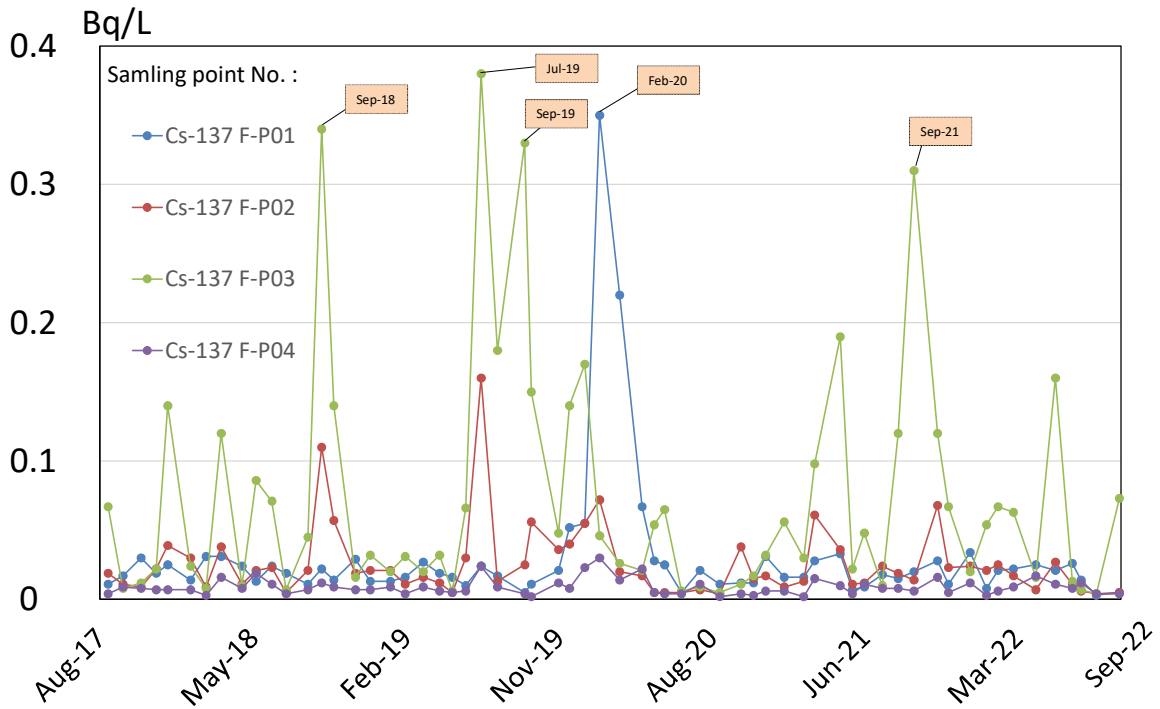
採取日 Sampling date	Cs-134	Cs-137	H-3	全β Gross β	Sr-90	Pu-238	Pu-239+240
放射性物質濃度 (Bq/L) Radioactivity concentration (Bq/L)							
南放水口付近 F-P01	2021/8/4	< 0.003	0.015	< 0.32	0.02	0.0008	< 0.000007
	2021/9/2	< 0.003	0.020	< 0.33	0.01	0.0015	< 0.000007
	2021/10/15	< 0.002	0.028	< 0.36	0.02	0.0011	< 0.000009
	2021/11/4	< 0.003	0.011	< 0.33	0.02	0.0006	< 0.000009
	2021/12/14	< 0.003	0.034	< 0.33	0.02	0.0014	< 0.000008
	2022/1/13	< 0.002	0.008	< 0.34	0.01	0.0009	< 0.000009
	2022/2/3	< 0.002	0.021	< 0.35	0.01	< 0.0005	< 0.000006
	2022/3/3	< 0.003	0.022	< 0.38	0.02	0.0009	< 0.000009
	2022/4/13	< 0.003	0.025	< 0.35	0.02	0.0007	< 0.000009
	2022/5/19	< 0.002	0.021	0.11	0.02	0.0012	< 0.000006
	2022/6/19	< 0.003	0.026	< 0.35	0.01	0.0009	< 0.000006
	2022/7/5	< 0.003	0.014	< 0.35	0.01	0.0008	< 0.000008
	2022/8/2	< 0.003	0.003	0.10	0.01	0.0008	< 0.000007
2022/9/13	< 0.003	0.005	< 0.35	0.01	0.0010	< 0.000008	
北放水口付近 F-P02	2021/8/4	< 0.003	0.019	< 0.33	0.01	0.0013	< 0.000008
	2021/9/2	< 0.003	0.014	< 0.33	0.01	0.0034	< 0.000008
	2021/10/15	0.003	0.068	< 0.36	0.02	0.0072	< 0.000008
	2021/11/4	< 0.003	0.023	< 0.33	0.02	0.0011	< 0.000008
	2021/12/14	< 0.003	0.024	< 0.33	0.02	0.0012	< 0.000008
	2022/1/13	< 0.003	0.021	< 0.34	0.02	0.0008	< 0.000006
	2022/2/3	< 0.002	0.025	< 0.36	0.02	0.0010	< 0.000009
	2022/3/3	< 0.002	0.017	< 0.37	0.02	0.0009	< 0.000006
	2022/4/13	< 0.003	0.007	< 0.35	0.02	0.0010	< 0.000008
	2022/5/19	< 0.002	0.027	0.34	0.02	0.0014	< 0.000008
	2022/6/19	< 0.003	0.011	< 0.35	0.02	0.0015	< 0.000008
	2022/7/5	< 0.003	0.006	< 0.35	0.01	0.0007	< 0.000007
	2022/8/2	< 0.002	0.004	0.08	0.01	0.0009	< 0.000006
2022/9/13	< 0.003	0.005	< 0.35	0.01	0.0007	< 0.000008	
取水口付近 F-P03	2021/8/4	0.004	0.12	0.34	0.01	0.0046	< 0.000007
	2021/9/2	0.010	0.31	1.4	0.03	0.035	< 0.000008
	2021/10/15	0.006	0.12	< 0.37	0.02	0.0076	< 0.000006
	2021/11/4	< 0.003	0.067	0.46	0.01	0.0051	< 0.000007
	2021/12/14	< 0.003	0.020	< 0.32	0.02	0.0008	< 0.000013
	2022/1/13	0.002	0.054	< 0.34	0.02	0.0016	< 0.000007
	2022/2/3	0.002	0.067	< 0.36	0.02	0.0016	< 0.000006
	2022/3/3	< 0.002	0.063	< 0.39	0.02	0.0014	< 0.000007
	2022/4/13	< 0.003	0.016	< 0.35	0.02	0.0016	< 0.000007
	2022/5/19	0.006	0.16	0.66	0.02	0.012	< 0.000007
	2022/6/19	< 0.003	0.013	< 0.35	0.02	0.0019	< 0.000009
	2022/7/5	< 0.003	0.007	< 0.35	0.02	0.0008	< 0.000008
	2022/8/2	< 0.003	0.004	0.09	0.01	0.0007	< 0.000006
2022/9/13	< 0.003	0.073	0.61	0.02	0.0025	< 0.000006	
第一(発)沖合 2km F-P04	2021/8/4	< 0.003	0.008	< 0.32	0.02	0.0006	< 0.000009
	2021/9/2	< 0.003	0.006	< 0.33	0.01	0.0008	< 0.000006
	2021/10/15	< 0.002	0.016	< 0.36	0.02	0.0011	< 0.000010
	2021/11/4	< 0.003	0.005	< 0.34	0.02	0.0009	< 0.000006
	2021/12/14	< 0.002	0.012	< 0.33	0.02	0.0009	< 0.000005
	2022/1/13	< 0.003	0.003	< 0.34	0.02	0.0006	< 0.000008
	2022/2/3	< 0.002	0.006	< 0.35	0.02	< 0.0005	< 0.000008
	2022/3/3	< 0.003	0.009	< 0.38	0.02	0.0009	< 0.000007
	2022/4/13	< 0.003	0.017	< 0.36	0.01	0.0009	< 0.000007
	2022/5/19	< 0.002	0.011	0.09	0.01	0.0008	< 0.000008
	2022/6/19	< 0.003	0.008	< 0.38	0.01	< 0.0005	< 0.000009
	2022/7/5	< 0.003	0.012	< 0.35	0.01	0.0007	< 0.000007
	2022/8/2	< 0.003	0.004	0.08	0.01	0.0008	< 0.000008
2022/9/13	< 0.003	0.004	< 0.34	0.01	0.0007	< 0.000007	

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 (Bq/L) Radioactivity concentration (Bq/L)							

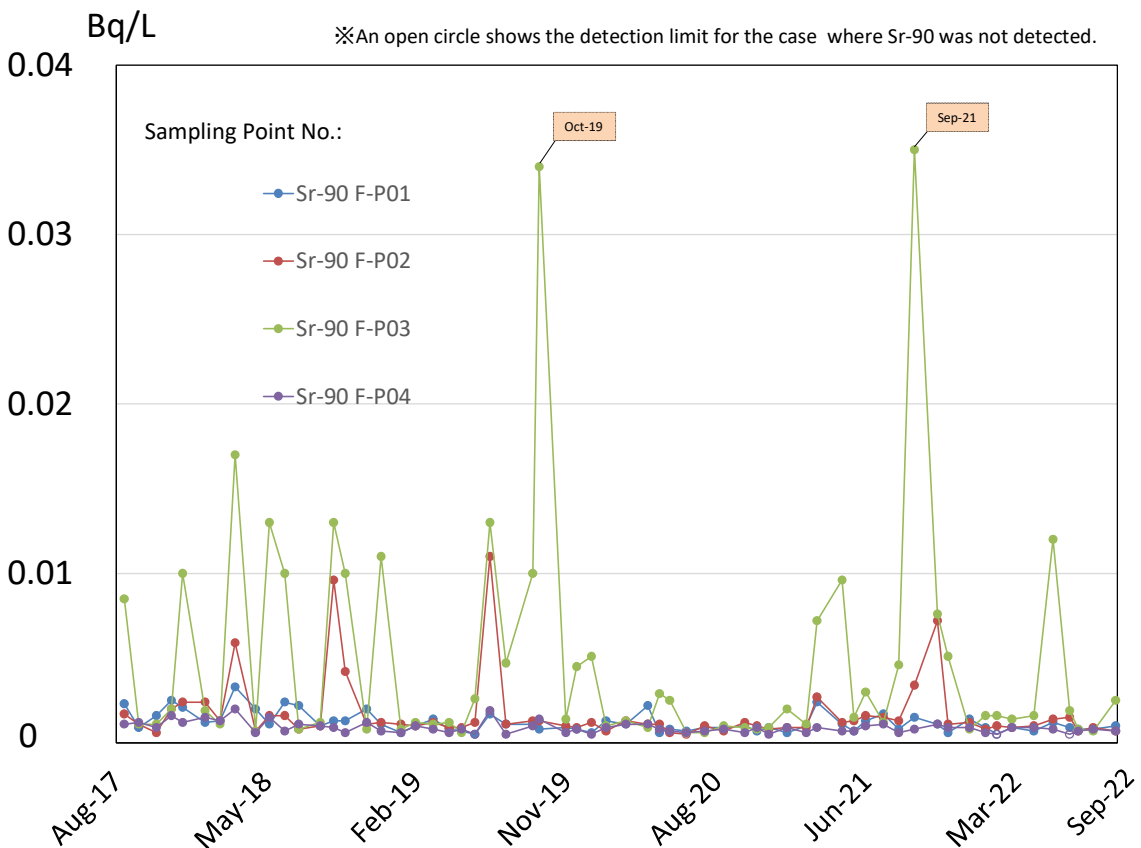
ALPS処理水放 出口予定場所 北2km西0.5km F-P07	2022/5/19	< 0.002	0.012	0.10	0.02	0.0010	< 0.000007	< 0.000007
	2022/8/2	< 0.002	0.005	0.10	0.02	0.0007	< 0.000009	< 0.000011

ALPS処理水放 出口予定場所 北1km F-P08	2022/5/19	< 0.003	0.010	0.09	0.01	0.0013	< 0.000006	< 0.000006
	2022/8/2	< 0.003	0.004	0.11	0.02	0.0009	< 0.000008	< 0.000008

ALPS処理水放 出口予定場所 南1km F-P09	2022/5/19	< 0.003	0.010	0.08	0.01	0.0007	< 0.000007	0.000008
	2022/8/2	< 0.003	0.003	0.09	0.02	< 0.0006	< 0.000009	< 0.000010

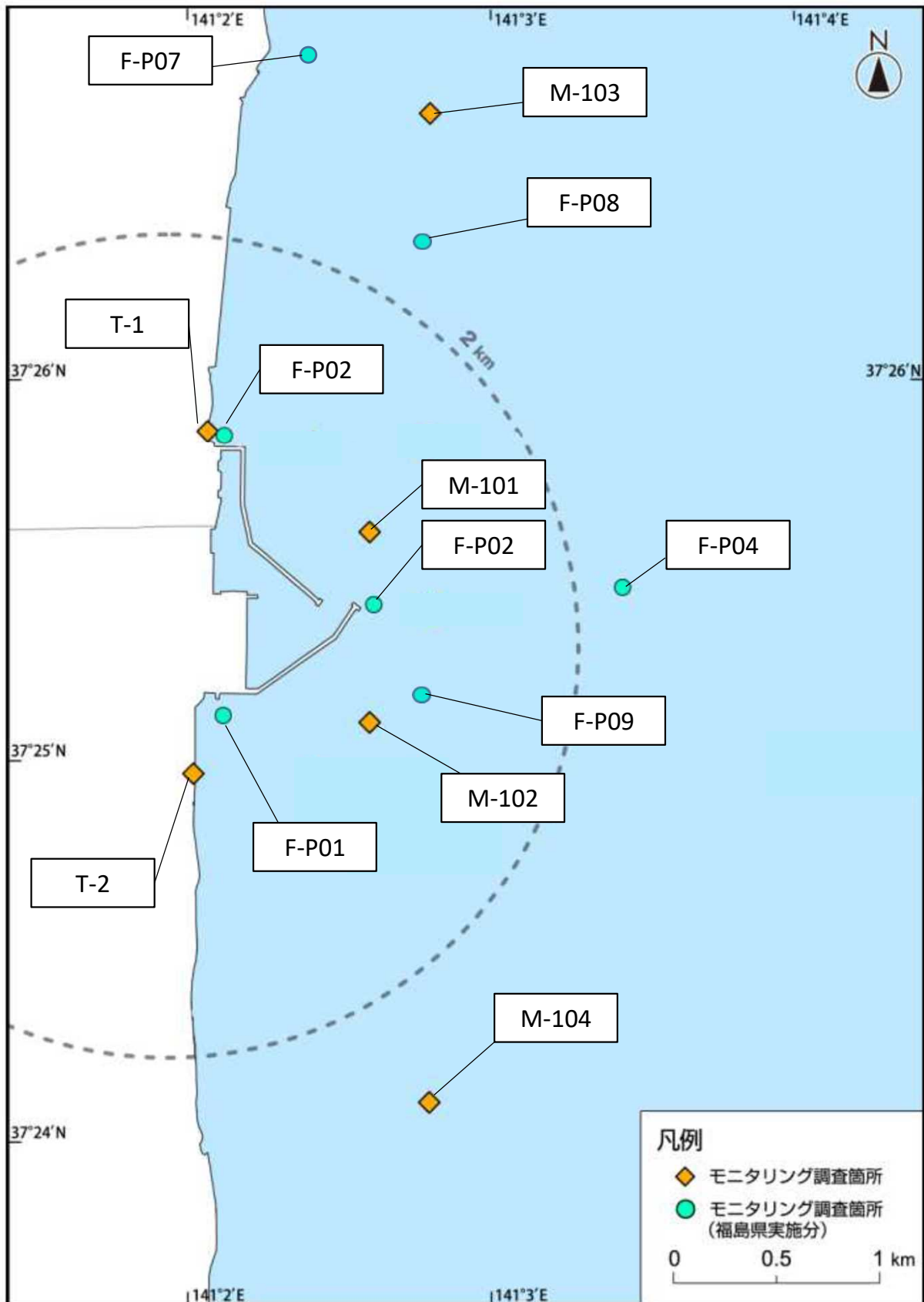


Concentration ranges of Cs-137 in sea-water near the Fukushima Daiichi NPS surveyed by Fukushima prefecture



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 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※¹)
 試料採取日: 令和4年11月7日、15日

Radioactivity concentration in the seawater around Fukushima Dai-ichi NPP
 (Based on the press release of TEPCO※¹)
 Sampling Date: Nov 7, 15, 2022

令和4年12月20日
 Dec 20, 2022

採取場所 Sampling Point	採取日 Sampling Date	Cs-134	Cs-137	H-3	全α (gross α)	全β※ ² (gross β)	Sr-90	Pu-238	Pu-239+240
		放射性物質濃度(Bq/L) Radioactivity concentration (Bq/L)							
T-3	2022/8/2 9:30	< 0.00099	0.018	< 0.34		< 13			
	2022/8/9 14:15	< 0.0012	0.015	< 0.35					
	2022/8/16 13:45	< 0.0014	0.017	< 0.35		15			
	2022/8/23 13:45	< 0.0011	0.014	< 0.36					
	2022/8/30 13:50	< 0.0012	0.018	< 0.34					
	2022/9/6 14:00	< 0.0012	0.015	< 0.34		16			
	2022/9/13 13:50	< 0.0012	0.0094	< 0.34					
	2022/9/22 14:00	< 0.0013	0.024	< 0.34		15			
	2022/9/27 14:00	< 0.0012	0.017	< 0.34					
	2022/10/4 13:55	< 0.0011	0.019	< 0.36		< 13			
	2022/10/12 9:35	< 0.0013	0.024	< 0.35					
	2022/10/18 10:40	< 0.0010	0.016	< 0.37		16			
	2022/10/25 10:50	< 0.0010	0.015	< 0.39					
	2022/11/1 11:30	< 0.0013	0.027	< 0.35		13			
2022/11/7 9:35	< 0.0014	0.020	< 0.34						
2022/11/15 14:40	< 0.0013	0.020							
T-4	2022/8/2 8:00	< 0.0010	0.0084						
	2022/8/9 11:20	< 0.0013	0.014						
	2022/8/16 8:35	< 0.0012	0.0078						
	2022/8/23 12:00	< 0.0012	0.0085						
	2022/8/30 11:10	< 0.0012	0.0087						
	2022/9/6 10:35	< 0.0013	0.0081						
	2022/9/13 10:25	< 0.0010	0.012						
	2022/9/22 10:45	< 0.0013	0.026						
	2022/9/27 11:05	< 0.0012	0.012						
	2022/10/4 10:50	< 0.0012	0.014						
	2022/10/12 8:40	< 0.0013	0.016						
	2022/10/18 11:30	< 0.0011	0.011						
	2022/10/25 9:45	< 0.0012	0.010						
	2022/11/1 15:55	< 0.0014	0.026						
2022/11/7 11:35	< 0.0011	0.014							
2022/11/15 10:55	< 0.0012	0.0094							
T-6	2022/8/2 10:45	< 0.0013	0.010	< 0.34		< 13			
	2022/8/9 10:05	< 0.0012	0.016	< 0.35					
	2022/8/16 9:55	< 0.0012	0.0095	< 0.35		< 11			
	2022/8/23 10:00	< 0.0014	0.010	< 0.36					
	2022/8/30 10:05	< 0.0014	0.016	< 0.35					
	2022/9/6 9:25	< 0.0012	0.012	< 0.33		< 13			
	2022/9/13 9:10	< 0.0012	0.0050	< 0.34					
	2022/9/22 9:30	< 0.0012	0.015	< 0.35		< 13			
	2022/9/27 9:45	< 0.0014	0.0098	< 0.35					
	2022/10/4 9:30	< 0.0013	0.020	< 0.36		< 13			
	2022/10/12 14:45	< 0.0013	0.014	< 0.35					
	2022/10/18 9:00	< 0.0011	0.012	< 0.37		14			
	2022/10/25 13:50	< 0.0012	0.014	< 0.39					
	2022/11/1 14:45	< 0.0013	0.027	< 0.36		< 13			
2022/11/7 13:25	< 0.0011	0.020	< 0.35						
2022/11/15 9:50	< 0.0011	0.015							

O: 上層(表層~2m) Outer Layer

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

* 「< XX」は放射性物質濃度が検出下限値(XX)未満であることを表す。

* "< XX" means that radioactivity concentration is lower than the detection limit XX.

* 採取場所の緯度経度はURLを参照。(https://radioactivity.nsr.go.jp/ja/contents/17000/16507/view.html)

* Refer to the URL for the latitude and longitude of the sampling points. (https://radioactivity.nsr.go.jp/ja/contents/17000/16507/view.html)

※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 分析方法: 蒸発乾固法 ※2 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)

採取場所 Sampling Point	採取日 Sampling Date	Cs-134	Cs-137	H-3	全α (gross α)	全β ^{※2} (gross β)	Sr-90	Pu-238	Pu-239+240
		放射性物質濃度 (Bq/L) Radioactivity concentration (Bq/L)							

T-5	2022/8/1 7:27	< 0.0013 < 0.0014	0.0017 0.0016	< 0.34	< 1.7	< 15	0.0010			O L	
	2022/8/10 7:16	< 0.0011 < 0.0012	0.0014 0.0029	< 0.35						O L	
	2022/8/17 7:16	< 0.00099 < 0.0014	0.0030 0.0018	< 0.35		< 13				O L	
	2022/8/22 7:14	< 0.0013 < 0.0012	0.0013 0.0015	< 0.35						O L	
	2022/9/3 7:18	< 0.0013 < 0.0014	0.0024 0.0019	< 0.34	< 1.9	16	0.00094			O L	
	2022/9/5 7:09	< 0.0013 < 0.0013	0.0015 0.0014	< 0.34						O L	
	2022/9/15 7:28	< 0.0012 < 0.0013	0.0014 0.0017	< 0.34		< 14				O L	
	2022/9/20	悪天候により採取中止 (No samples due to bad weather)									O L
	2022/9/26 7:18	< 0.0012 < 0.0011	0.0016 0.0018	< 0.35						O L	
	2022/10/7	悪天候により採取中止 (No samples due to bad weather)									O L
	2022/10/12 7:32	< 0.0013 < 0.0013	0.0020 0.0013	< 0.36	< 2.3	< 13	0.00085			O L	
	2022/10/21	悪天候により採取中止 (No samples due to bad weather)									O L
	2022/10/28 7:21	< 0.0011 < 0.0011	0.0023 0.0017	< 0.38		< 11		< 0.0000055	< 0.0000054	O L	
	2022/11/5 7:28	< 0.0011 < 0.0011	0.0012 0.0021	< 0.36		< 13				O L	
	2022/11/7 7:15	< 0.0010 < 0.0012	0.0023 0.0016	< 0.34						O L	
	2022/11/15 7:53	< 0.0011 < 0.0012	0.0018 0.0045							O L	

T-D1	2022/8/1 8:02	< 0.00098 < 0.0011	0.0024 0.0032	< 0.34	< 1.7	< 15	0.00081			O L	
	2022/8/10 7:54	< 0.0014 < 0.0011	0.0023 0.0037	< 0.34						O L	
	2022/8/17 7:47	< 0.0012 < 0.0013	0.0031 0.0026	< 0.35		< 13				O L	
	2022/8/22 8:09	< 0.0013 < 0.0013	0.0030 0.0038	< 0.35						O L	
	2022/9/3 8:02	< 0.0011 < 0.0013	0.0031 0.0036	< 0.34	< 1.9	< 11	0.00074			O L	
	2022/9/5 7:43	< 0.0013 < 0.0012	0.0033 0.0021	< 0.34						O L	
	2022/9/15 8:20	< 0.0011 < 0.0011	0.0023 0.0029	< 0.34		< 14				O L	
	2022/9/20	悪天候により採取中止 (No samples due to bad weather)									O L
	2022/9/26 8:22	< 0.0012 < 0.0014	0.0038 0.0047	< 0.35						O L	
	2022/10/6	悪天候により採取中止 (No samples due to bad weather)									O L
	2022/10/13	悪天候により採取中止 (No samples due to bad weather)									O L
	2022/10/20 8:07	< 0.0012 < 0.0013	0.0036 0.0029	< 0.37	< 2.3	< 14	0.0013	< 0.0000053	< 0.0000044	O L	
	2022/10/29 8:07	< 0.0013 < 0.0011	0.0077 0.0048	< 0.38		< 11				O L	
	2022/11/5 7:53	< 0.0012 < 0.0013	0.0093 0.0092	< 0.35		13				O L	
	2022/11/7 7:52	< 0.0014 < 0.0012	0.0082 0.015	< 0.35						O L	
	2022/11/15 8:24	< 0.0012 < 0.0012	0.0041 0.0050							O L	

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

採取場所 Sampling Point	採取日 Sampling Date	Cs-134	Cs-137	H-3	全α (gross α)	全β ^{※2} (gross β)	Sr-90	Pu-238	Pu-239+240
		放射性物質濃度 (Bq/L) Radioactivity concentration (Bq/L)							

T-D5	2022/8/1 8:31	< 0.0013 < 0.0014	0.0032 0.0027	< 0.34	< 1.7	< 15	0.00079			O L	
	2022/8/10 8:23	< 0.0013 < 0.0013	0.0038 0.0035	< 0.35						O L	
	2022/8/17 8:22	< 0.0013 < 0.0014	0.0027 0.0043	< 0.35			14			O L	
	2022/8/22 8:36	< 0.0012 < 0.0014	0.0015 0.0033	< 0.35						O L	
	2022/9/3 8:43	< 0.0013 < 0.0014	0.0039 0.0042	< 0.34	< 1.9		17	0.00096		O L	
	2022/9/5 8:09	< 0.0014 < 0.0014	0.0035 0.0023	< 0.34						O L	
	2022/9/15 8:54	< 0.0012 < 0.0012	0.0037 0.0025	< 0.34			< 14			O L	
	2022/9/20	悪天候により採取中止 (No samples due to bad weather)									O L
	2022/9/26 9:03	< 0.0014 < 0.0013	0.0035 0.0031	< 0.35						O L	
	2022/10/6	悪天候により採取中止 (No samples due to bad weather)									O L
	2022/10/13	悪天候により採取中止 (No samples due to bad weather)									O L
	2022/10/20 8:39	< 0.0013 < 0.0014	0.0032 0.0021	< 0.37	< 2.3	< 14		0.0014	< 0.0000054	< 0.0000050	O L
	2022/10/29 8:34	< 0.0012 < 0.0012	0.0046 0.0041	< 0.38			12				O L
	2022/11/5 8:22	< 0.0012 < 0.0014	0.0074 0.0097	< 0.35			< 13				O L
	2022/11/7 8:23	< 0.0011 < 0.0011	0.0038 0.0083	< 0.34							O L
	2022/11/15 8:56	< 0.0012 < 0.0013	0.0047 0.0051								O L

T-D9	2022/8/1 8:10	< 0.0012 < 0.0013	0.0049 0.0031	< 0.35	< 1.7	< 15	0.00094			O L	
	2022/8/10 8:09	< 0.0014 < 0.0011	0.0048 0.0034	< 0.35						O L	
	2022/8/17 8:09	< 0.0011 < 0.0013	0.0041 0.0030	< 0.35			14			O L	
	2022/8/22 8:03	< 0.0012 < 0.0012	0.0019 0.0031	< 0.35						O L	
	2022/9/3 8:05	< 0.0012 < 0.0012	0.0033 0.0034	< 0.34	< 1.9	< 11		0.0013		O L	
	2022/9/5 7:56	< 0.0013 < 0.0011	0.0032 0.0037	< 0.34						O L	
	2022/9/15 8:26	< 0.0013 < 0.0014	0.0033 0.0024	< 0.34			< 14			O L	
	2022/9/20	悪天候により採取中止 (No samples due to bad weather)									O L
	2022/9/26 8:10	< 0.0012 < 0.0012	0.0025 0.0028	< 0.35						O L	
	2022/10/7	悪天候により採取中止 (No samples due to bad weather)									O L
	2022/10/12 8:18	< 0.0012 < 0.0012	0.0041 0.0026	< 0.36	< 2.3		16	0.0011			O L
	2022/10/21	悪天候により採取中止 (No samples due to bad weather)									O L
	2022/10/28 8:18	< 0.00093 < 0.0011	0.0039 0.0055	< 0.38			< 11		< 0.0000052	< 0.0000050	O L
	2022/11/5 8:22	< 0.0010 < 0.00095	0.0072 0.011	< 0.35			13				O L
	2022/11/7 8:05	< 0.0013 < 0.0014	0.0028 0.0027	< 0.35							O L
	2022/11/15 9:01	< 0.0012 < 0.0014	0.0020 0.0022								O L

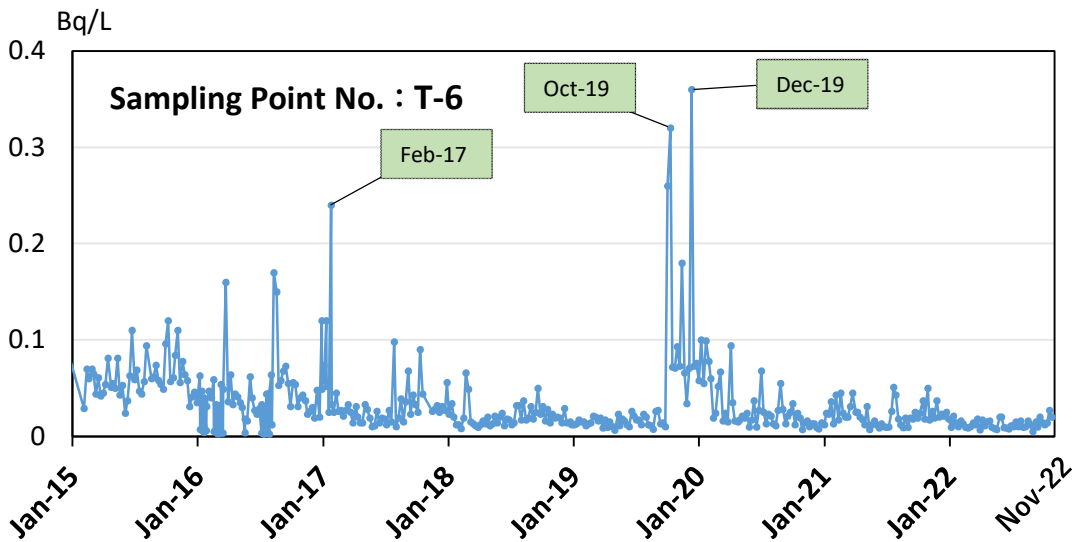
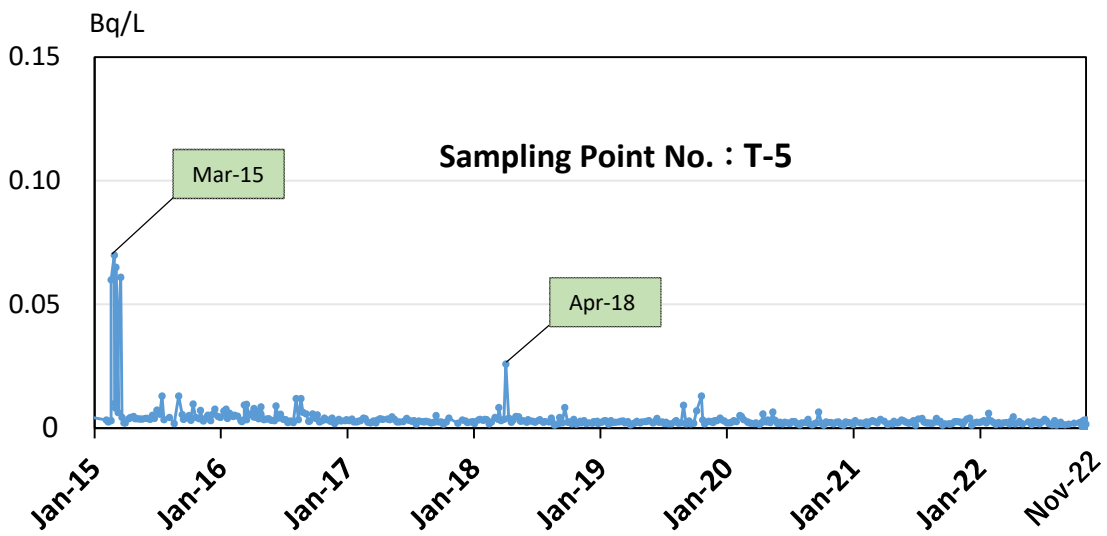
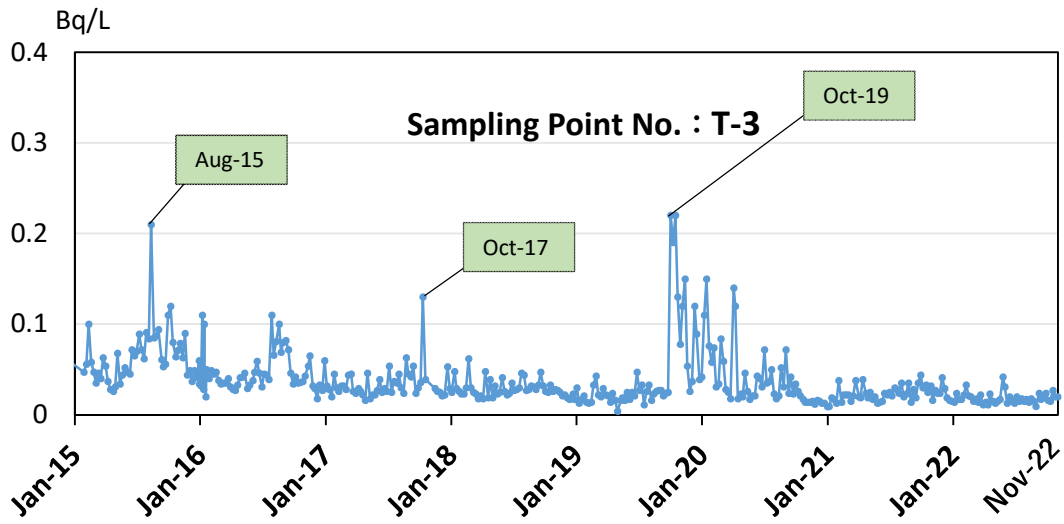
O: 上層(表層~2m) Outer Layer
L: 下層(海底より2~3m上) Lower Layer

採取場所 Sampling Point	採取日 Sampling Date	Cs-134	Cs-137
		放射性物質濃度 (Bq/L) Radioactivity concentration (Bq/L)	

T-11	2022/8/1 8:53	< 0.0011	0.0037	O
		< 0.0011	0.0046	L
	2022/8/10 8:52	< 0.0013	0.0039	O
		< 0.0013	0.0034	L
	2022/8/17 8:45	< 0.0010	0.0021	O
		< 0.0011	0.0028	L
	2022/8/22 8:42	< 0.0012	0.0024	O
		< 0.0014	0.0032	L
	2022/9/3 8:36	< 0.0012	0.0029	O
		< 0.0011	0.0032	L
	2022/9/5 8:24	< 0.0014	0.0037	O
		< 0.0013	0.0050	L
	2022/9/15 8:56	< 0.0014	0.0037	O
		< 0.0011	0.0026	L
	2022/9/20	悪天候により採取中止 (No samples due to bad weather)		O
	2022/9/26 8:49	< 0.0013	0.0058	O
		< 0.0014	0.0054	L
	2022/10/7	悪天候により採取中止 (No samples due to bad weather)		O
	2022/10/12 8:47	< 0.0012	0.0051	O
		< 0.0012	0.0043	L
2022/10/21	悪天候により採取中止 (No samples due to bad weather)		O	
2022/10/28 8:50	< 0.0010	0.0062	O	
	< 0.0010	0.0078	L	
2022/11/5 8:55	< 0.0010	0.0044	O	
	< 0.0013	0.0065	L	
2022/11/7 8:46	< 0.0014	0.0027	O	
	< 0.0014	0.0027	L	
2022/11/15 9:32	< 0.0011	0.0020	O	
	< 0.0013	0.0024	L	

T-14	2022/8/1 7:39	< 0.0014	0.0025	O
		< 0.0014	0.0022	L
	2022/8/10 7:32	< 0.0014	0.0017	O
		< 0.0014	0.0020	L
	2022/8/17 7:24	< 0.0014	0.0031	O
		< 0.0014	0.0025	L
	2022/8/22 7:39	< 0.0014	0.0023	O
		< 0.0014	0.0028	L
	2022/9/3 7:30	< 0.0014	0.0033	O
		< 0.0014	0.0033	L
	2022/9/5 7:23	< 0.0014	0.0024	O
		< 0.0014	0.0023	L
	2022/9/15 7:57	< 0.0014	0.0021	O
		< 0.0014	0.0024	L
	2022/9/20	悪天候により採取中止 (No samples due to bad weather)		O
	2022/9/26 7:55	< 0.0014	0.0023	O
		< 0.0013	0.0021	L
	2022/10/6	悪天候により採取中止 (No samples due to bad weather)		O
	2022/10/13	悪天候により採取中止 (No samples due to bad weather)		O
	2022/10/20 7:44	< 0.0014	0.0025	O
< 0.0014		0.0019	L	
2022/10/29 7:48	< 0.0013	0.0037	O	
	< 0.0014	0.0043	L	
2022/11/5 7:31	< 0.0014	0.0054	O	
	< 0.0014	0.011	L	
2022/11/7 7:30	< 0.0014	0.0071	O	
	< 0.0014	0.0089	L	
2022/11/15 8:01	< 0.0014	0.0029	O	
	< 0.0014	0.0036	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※¹)

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

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 (Bq/L) Radioactivity concentration (Bq/L)							

夫沢・熊川沖 2km (大熊町) (F-P05)	2021/8/4	< 0.003	0.005 < 0.32	0.01	0.0010	< 0.000009	< 0.000009
	2021/9/2	< 0.003	0.007 < 0.32	0.01	0.0012	< 0.000008	< 0.000008
	2021/10/15	< 0.003	0.012 < 0.36	0.02	0.0014	< 0.000006	< 0.000006
	2021/11/4	< 0.002	0.007 < 0.33	0.02	0.0008	< 0.000005	< 0.000007
	2021/12/14	< 0.002	0.022 < 0.33	0.02	0.0010	< 0.000008	0.000011
	2022/1/13	< 0.003	0.006 < 0.35	0.02	0.0010	< 0.000005	< 0.000005
	2022/2/3	< 0.002	0.007 < 0.35	0.02	0.0006	< 0.000004	< 0.000005
	2022/3/3	< 0.002	0.006 < 0.38	0.02	0.0010	< 0.000003	< 0.000005
	2022/4/13	< 0.003	0.003 < 0.35	0.01	0.0009	< 0.000007	< 0.000007
	2022/5/19	< 0.002	0.006 < 0.09	0.01	0.0006	< 0.000006	< 0.000006
	2022/6/19	< 0.003	0.008 < 0.34	0.01	0.0005	< 0.000006	< 0.000007
	2022/7/5	< 0.003	0.003 < 0.35	0.02	0.0007	< 0.000007	< 0.000007
	2022/8/2	< 0.003	0.003 < 0.08	0.02	0.0007	< 0.000006	< 0.000008
	2022/9/13	< 0.003	0.003 < 0.35	0.01	0.0013	< 0.000006	< 0.000006

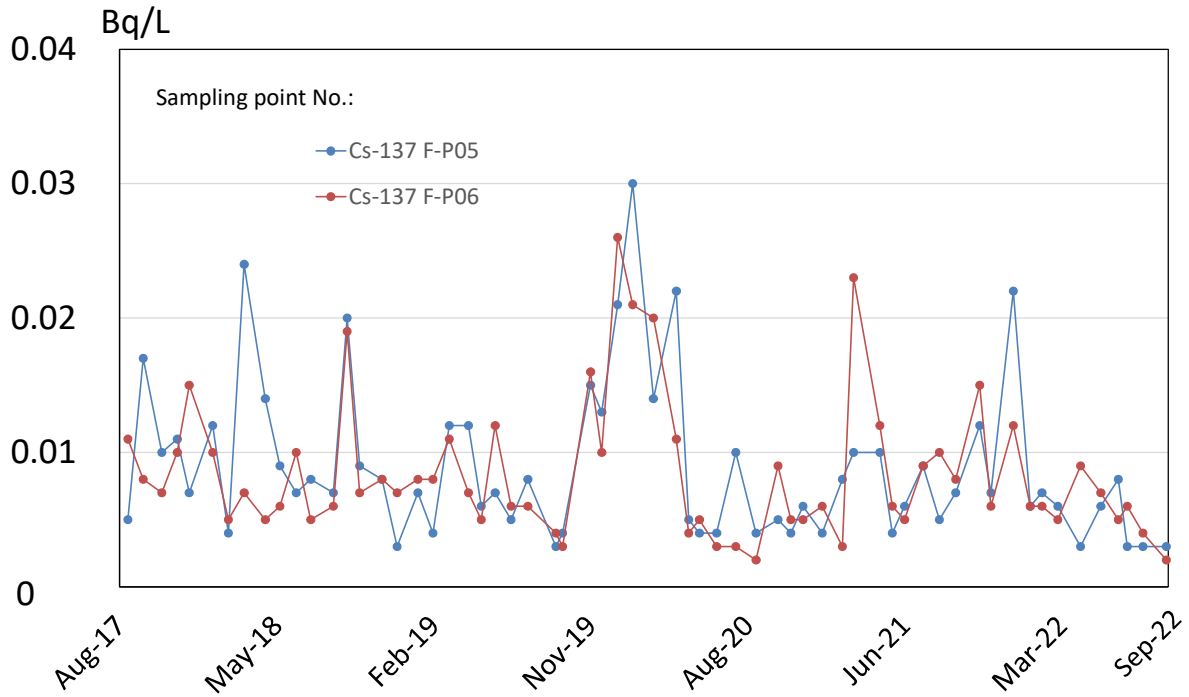
前田川沖2km (双葉町) (F-P06)	2021/8/4	< 0.003	0.010 < 0.33	0.02	0.0008	< 0.000007	0.000005
	2021/9/2	< 0.003	0.008 < 0.32	0.01	0.0016	< 0.000005	< 0.000009
	2021/10/15	< 0.003	0.015 < 0.36	0.02	0.0013	< 0.000007	0.000009
	2021/11/4	< 0.002	0.006 < 0.33	0.02	0.0007	< 0.000004	< 0.000005
	2021/12/14	< 0.002	0.012 < 0.32	0.02	0.0010	< 0.000009	< 0.000008
	2022/1/13	< 0.003	0.006 < 0.34	0.02	0.0007	< 0.000005	< 0.000007
	2022/2/3	< 0.002	0.006 < 0.35	0.02	0.0005	< 0.000005	0.000006
	2022/3/3	< 0.002	0.005 < 0.38	0.02	0.0008	< 0.000007	< 0.000006
	2022/4/13	< 0.003	0.009 < 0.35	0.01	0.0012	< 0.000008	< 0.000008
	2022/5/19	< 0.002	0.007 < 0.10	0.02	0.0006	< 0.000007	< 0.000006
	2022/6/19	< 0.003	0.005 < 0.35	0.01	0.0007	< 0.000008	< 0.000007
	2022/7/5	< 0.003	0.006 < 0.35	0.01	0.0005	< 0.000007	< 0.000007
	2022/8/2	< 0.003	0.004 < 0.10	0.02	0.0008	< 0.000008	< 0.000006
	2022/9/13	< 0.003	0.002 < 0.35	0.01	0.0010	< 0.000008	< 0.000006

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

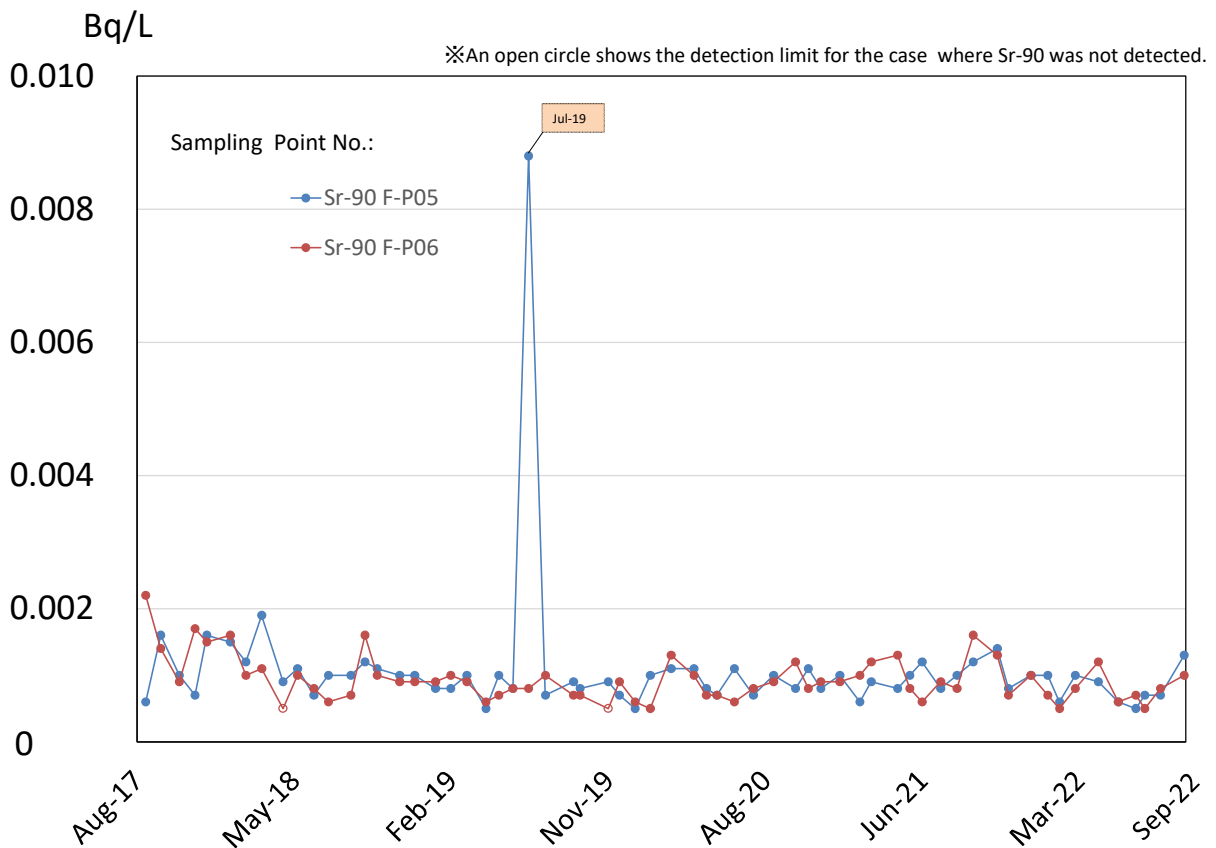
※1 Press release of Fukushima Prefecture (<https://www.pref.fukushima.lg.jp/site/portal/genan208.html>)

※2 「< XX」は、放射性物質濃度が検出下限値(XX)未満であることを表す。

※2 "< XX" means that radioactivity concentration is lower than the detection limit XX.

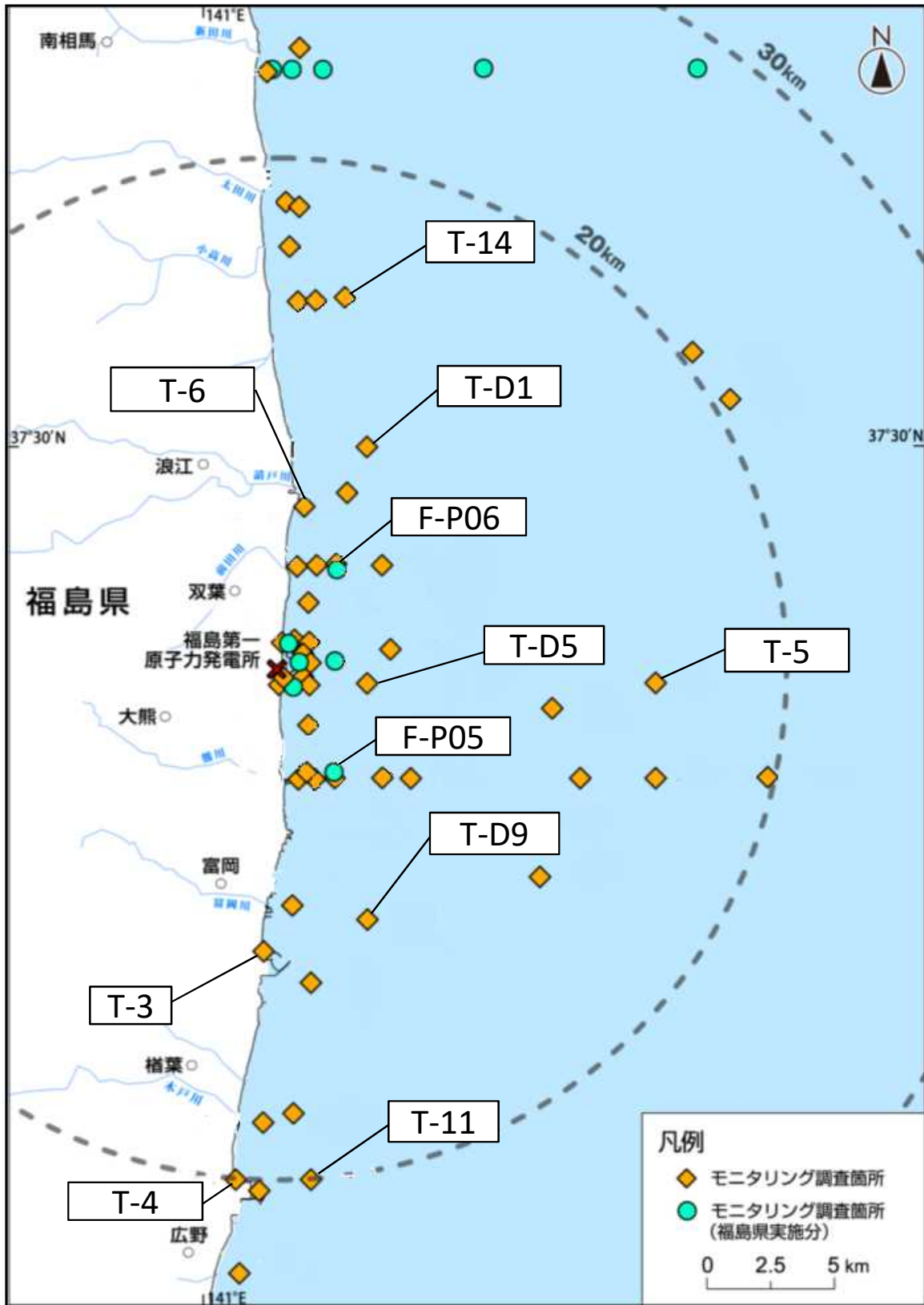


Concentration ranges of Cs-137 in sea-water around the Fukushima Daiichi NPS surveyed by Fukushima prefecture



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(株)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11月1日~12月7日
 悪天候により採取中止: T-B3、T-B4、T-12、T-17-1、T-20

Radioactivity concentration in the sediment near and around Fukushima Dai-ichi NPP
 (Based on the press release of TEPCO^{※1})
 Sampling Date: Nov 1 - Dec 7, 2022
 No samples due to bad weather at points T-B3, T-B4, T-12, T-17-1, T-20

令和4年12月27日
 Dec 27, 2022

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 (Bq/kg・乾土) Radioactivity concentration (Bq/kg・dry soil)				

近傍海域

T-1	2022/8/1 8:30	8.4	270			
	2022/9/5 8:10	6.5	250	< 0.85		
	2022/10/3 8:35	3.8	160			
	2022/11/7 8:40	< 4.3	200			
T-2 ^{※2}	2022/8/1 9:15	< 3.4	130			
	2022/9/5 9:15	< 2.9	120	< 0.79		
	2022/10/3 7:22	7.2	180			
	2022/11/7 8:30	< 3.6	140			

沿岸海域

T-3	2022/8/2 9:30	3.7	86			
	2022/9/6 14:00	< 2.2	52			
	2022/10/12 9:35	< 2.3	48			
	2022/11/7 9:35	< 2.4	49			
T-4	2022/8/2 8:00	< 2.5	28			
	2022/9/6 10:35	< 2.6	41			
	2022/10/4 10:50	< 2.5	29			
	2022/11/1 15:55	< 2.5	27			
T-5	2022/8/1 7:27	< 2.4	35			
	2022/9/3 7:18	< 2.6	33			
	2022/10/12 7:32	< 2.6	28			
	2022/11/5 7:28	< 2.6	31			
T-11	2022/8/1 8:53	< 2.8	31			
	2022/9/3 8:36	< 3.0	49			
	2022/10/12 8:47	2.6	42			
	2022/11/5 8:55	< 2.2	11			
T-14	2022/8/1 7:39	< 2.5	7.5			
	2022/9/3 7:30	< 2.5	10			
	2022/10/20 7:44	< 2.1	21			
	2022/11/5 7:31	< 2.0	3.3			
T-①	2022/8/2 7:41	< 3.2	55			
	2022/9/30 7:47	< 4.3	63			
	採取中止(No samples)					
	2022/11/28 7:46	3.3	110			
T-②	2022/8/2 7:30	< 2.4	13			
	2022/9/30 7:28	< 2.9	13			
	採取中止(No samples)					
	2022/11/28 7:33	< 2.2	13			
T-③	2022/8/2 8:40	< 2.9	120			
	2022/9/30 8:46	5.1	150			
	採取中止(No samples)					
	2022/11/28 8:46	2.7	100			
T-④	2022/8/2 8:30	3.0	130			
	2022/9/30 8:37	< 3.0	110			
	採取中止(No samples)					
	2022/11/28 8:34	4.5	150			
T-⑤	2022/8/2 8:12	3.3	160			
	2022/9/30 8:26	< 3.9	71			
	採取中止(No samples)					
	2022/11/28 8:19	< 2.4	57			
T-⑥	採取中止(No samples)					
	2022/9/27 8:20	4.4	220			
	採取中止(No samples)					
	2022/11/28 9:13	4.9	190			
T-⑦	採取中止(No samples)					
	2022/9/27 8:03	4.2	140			
	採取中止(No samples)					
	2022/11/28 9:37	4.0	200			
T-⑧	採取中止(No samples)					
	2022/9/27 7:48	< 2.6	120			
	採取中止(No samples)					
	2022/11/28 9:29	< 2.7	25			
T-⑨	採取中止(No samples)					
	2022/9/27 7:33	< 3.0	26			
	採取中止(No samples)					
	2022/11/28 9:14	< 4.2	14			
T-⑩	2022/8/18 8:06	< 2.3	6.4			
	2022/9/30 8:29	< 1.6	13			
	採取中止(No samples)					
	2022/11/28 8:53	< 2.4	30			
T-⑪	2022/8/18 7:41	< 2.6	34			
	2022/9/30 7:57	< 2.7	54			
	採取中止(No samples)					
	2022/11/28 7:56	< 2.9	31			

* 太字下線データが今回追加分。

* Boldface and underlined readings are new.

* 「< XX」は放射性物質濃度が検出下限値(XX)未満であることを表す。

* "< XX" means that radioactivity concentration is lower than the detection limit XX.

* 採取場所の緯度経度は URL を参照。(https://radioactivity.nsr.go.jp/ja/contents/17000/16507/view.html)

* Refer to the URL for the latitude and longitude of the sampling points. (https://radioactivity.nsr.go.jp/ja/contents/17000/16507/view.html)

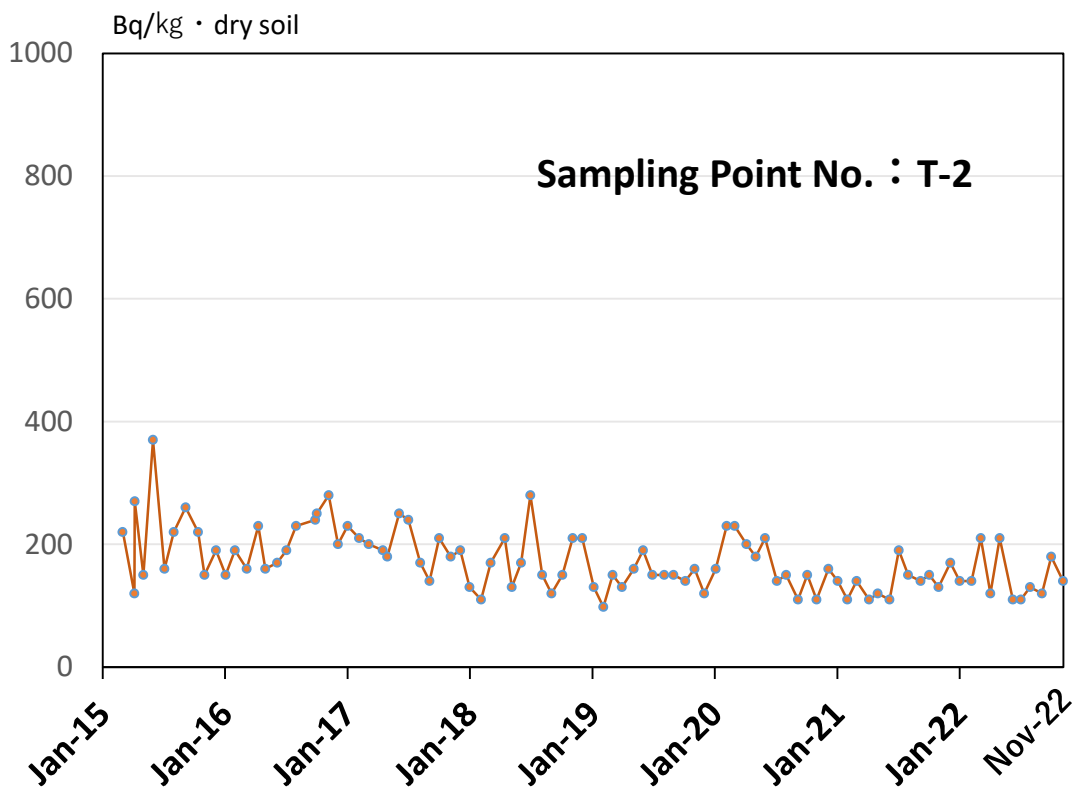
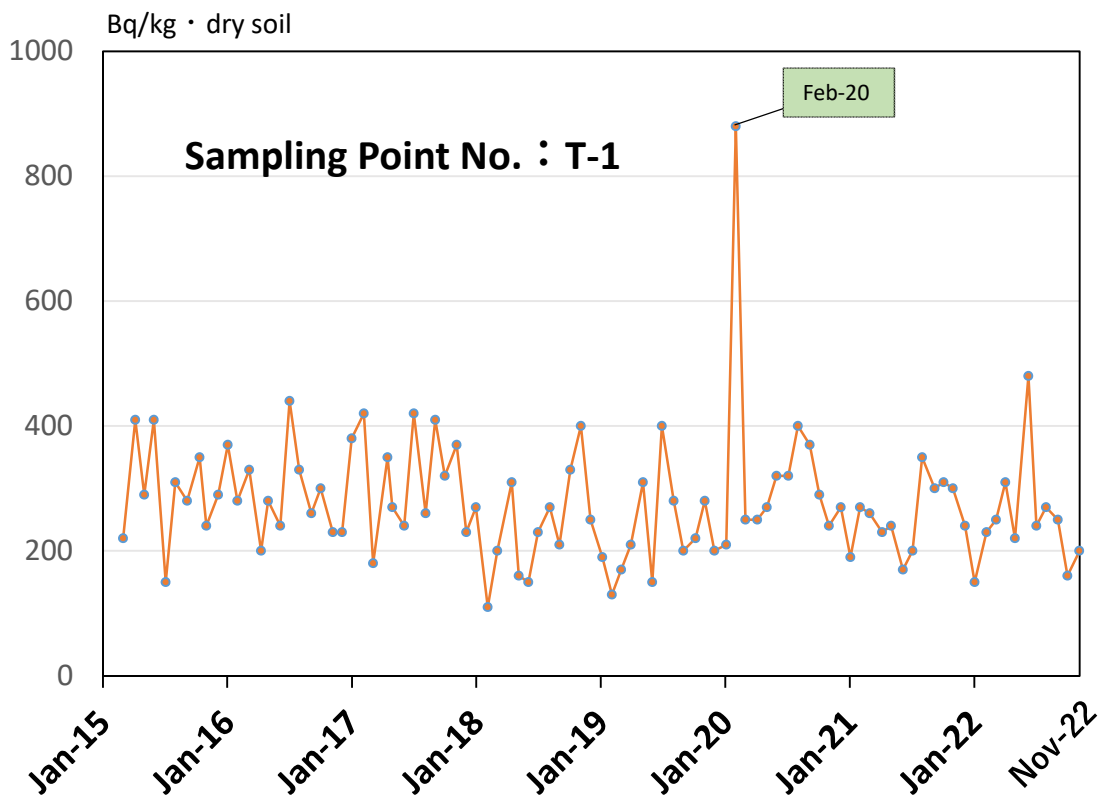
※1 東京電力ホールディングス㈱の発表 (https://www.tepco.co.jp/decommission/data/analysis/index-j.html)

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

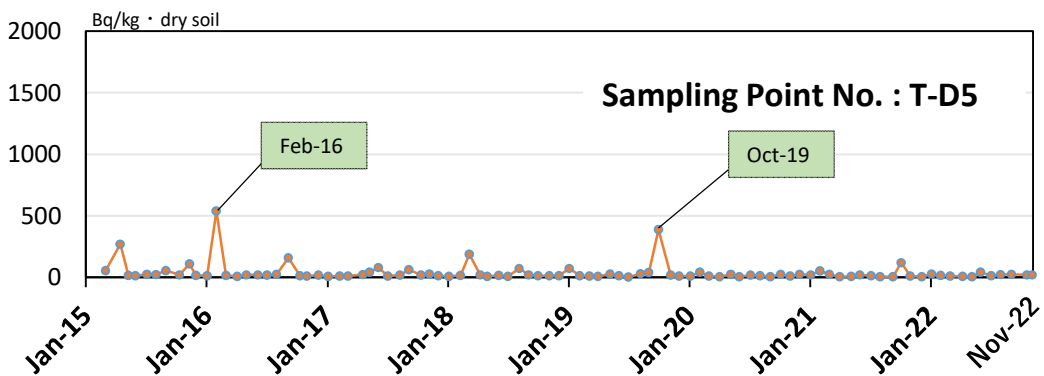
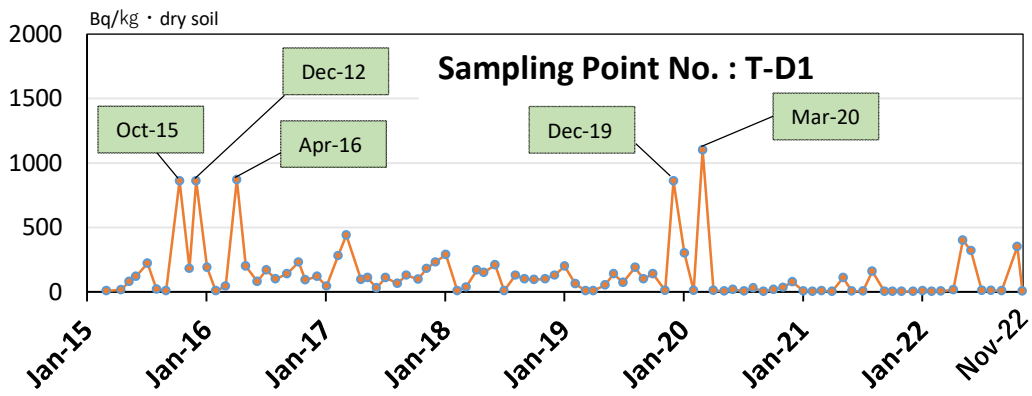
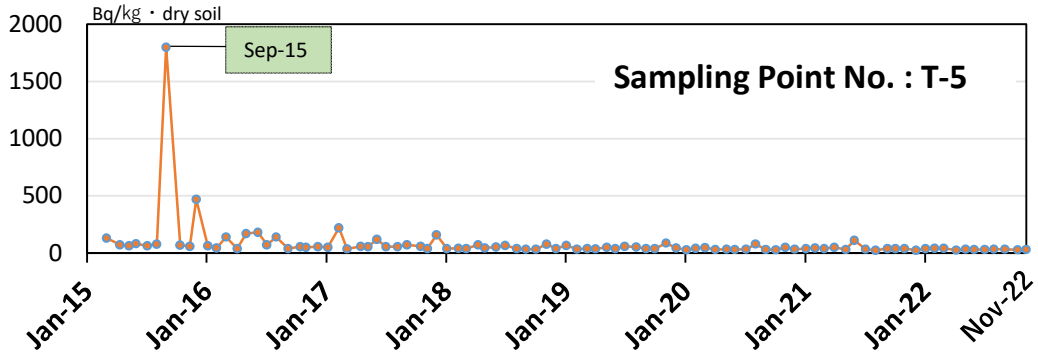
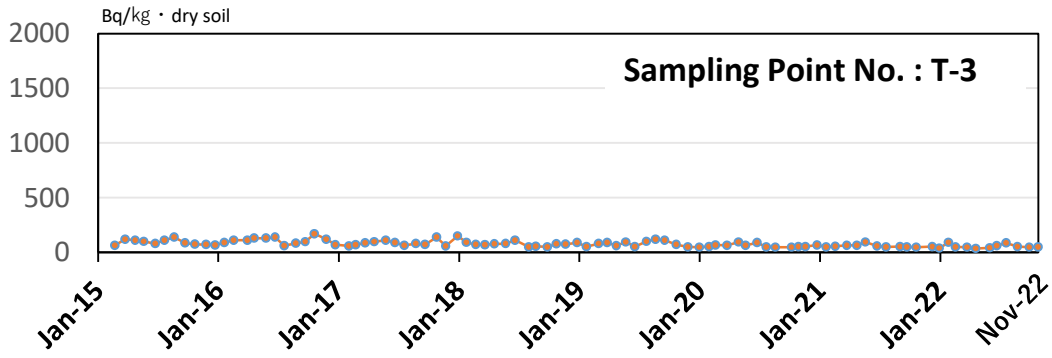
※2 試料採取作業の安全確保ができなため、令和3年12月17日より採取場所を1~4号機放水口から南側に約1300mの地点に一時的に変更。

※2 Because of ensuring safety in sampling operation, sampling point has been moved to approximately 1300 m south from discharge outlet of Fukushima Dai-ichi NPP (unit 1 to 4) temporarily since Dec. 17, 2021.

採取場所 Sampling Point	採取日 Sampling Date	Cs-134	Cs-137
		放射性物質濃度 (Bq/kg・乾土) Radioactivity concentration (Bq/kg・dry soil)	
T-D1	2022/8/1 8:02	< 2.2	9.7
	2022/9/3 8:02	< 2.6	8.2
	2022/10/20 8:07	9.1	350
	2022/11/5 7:53	< 1.8	6.1
T-D5	2022/8/1 8:31	< 2.5	23
	2022/9/3 8:43	< 1.8	25
	2022/10/20 8:39	< 2.5	22
	2022/11/5 8:22	< 1.8	21
T-D9	2022/8/1 8:10	2.9	69
	2022/9/3 8:05	< 2.5	58
	2022/10/12 8:18	< 2.5	31
	2022/11/5 8:22	< 2.5	33
T-⑩	2022/8/18 7:16	< 3.5	26
	2022/9/30 7:28	< 3.0	44
	採取中止(No samples)		
	2022/11/28 7:18	< 2.6	51
T-⑬	採取中止(No samples)		
	2022/9/27 9:03	3.8	70
	採取中止(No samples)		
	2022/11/28 9:58	< 3.2	99
T-S1	2022/8/3 9:13	< 2.7	5.8
	2022/9/29 5:56	< 2.4	9.7
	2022/10/6 10:30	< 2.4	9.4
	2022/11/8 7:47	< 2.8	21
T-S3	2022/8/2 6:22	< 2.2	9.9
	2022/9/6 5:53	< 2.2	9.2
	2022/10/19 10:35	< 1.9	19
	2022/11/16 8:02	< 2.2	12
T-S4	2022/8/2 6:46	< 2.5	11
	2022/9/6 5:34	< 2.3	11
	2022/10/19 11:00	< 2.5	13
	2022/11/16 7:42	< 2.9	72
T-S5	2022/8/29 6:25	< 2.0	2.8
	2022/9/14 6:11	< 2.2	8.0
	2022/10/12 6:25	< 2.0	2.9
	2022/11/8 6:22	< 0.89	1.7
T-S7	2022/8/29 5:49	3.1	130
	2022/9/14 5:51	4.2	190
	2022/10/12 5:59	6.2	150
	2022/11/8 6:00	< 3.1	78
T-S8	2022/8/8 6:44	< 2.4	22
	2022/9/12 10:07	< 2.8	29
	2022/10/3 7:27	< 2.4	24
	2022/12/7 10:03	< 2.5	17
T-B1	2022/8/26 7:02	< 0.76	2.9
	2022/9/13 12:08	< 0.83	4.8
	2022/11/10 7:06	< 0.76	4.8
	2022/12/6 5:58	< 2.0	3.9
T-B2	2022/8/26 6:30	< 2.9	30
	2022/9/13 12:33	< 2.2	18
	2022/11/10 6:36	< 2.7	22
	2022/12/6 6:42	< 2.6	13
T-B3	2022/8/30 6:08	< 0.78	2.1
	2022/9/27 5:50	< 0.81	3.4
	2022/10/28 5:44	< 1.5	2.2
	採取中止(No samples)		
T-B4	2022/8/30 7:00	< 1.8	12
	2022/9/27 6:31	< 2.3	6.9
	2022/10/28 6:42	< 2.1	4.6
	採取中止(No samples)		
T-13-1	2022/9/29 9:08	< 2.8	42
	2022/11/18 11:39	< 1.8	2.1
T-7	2022/9/27 7:01	< 3.6	29
	2022/11/17 7:21	< 4.3	52
T-18	2022/9/27 10:11	< 2.8	25
	2022/11/17 10:43	< 3.5	77
T-12	2022/9/22 9:23	< 2.5	10
	採取中止(No samples)		
T-17-1	2022/9/22 10:00	< 3.4	14
	採取中止(No samples)		
T-20	2022/9/22 10:34	< 3.1	15
	採取中止(No samples)		
T-22	2022/9/29 10:31	< 1.2	3.6
	2022/11/18 10:42	< 0.81	3.0
T-MA	2022/9/29 9:44	< 2.0	22
	2022/11/18 11:07	< 0.98	1.4
T-M10	2022/9/27 9:11	< 4.0	91
	2022/11/17 9:31	< 3.3	40

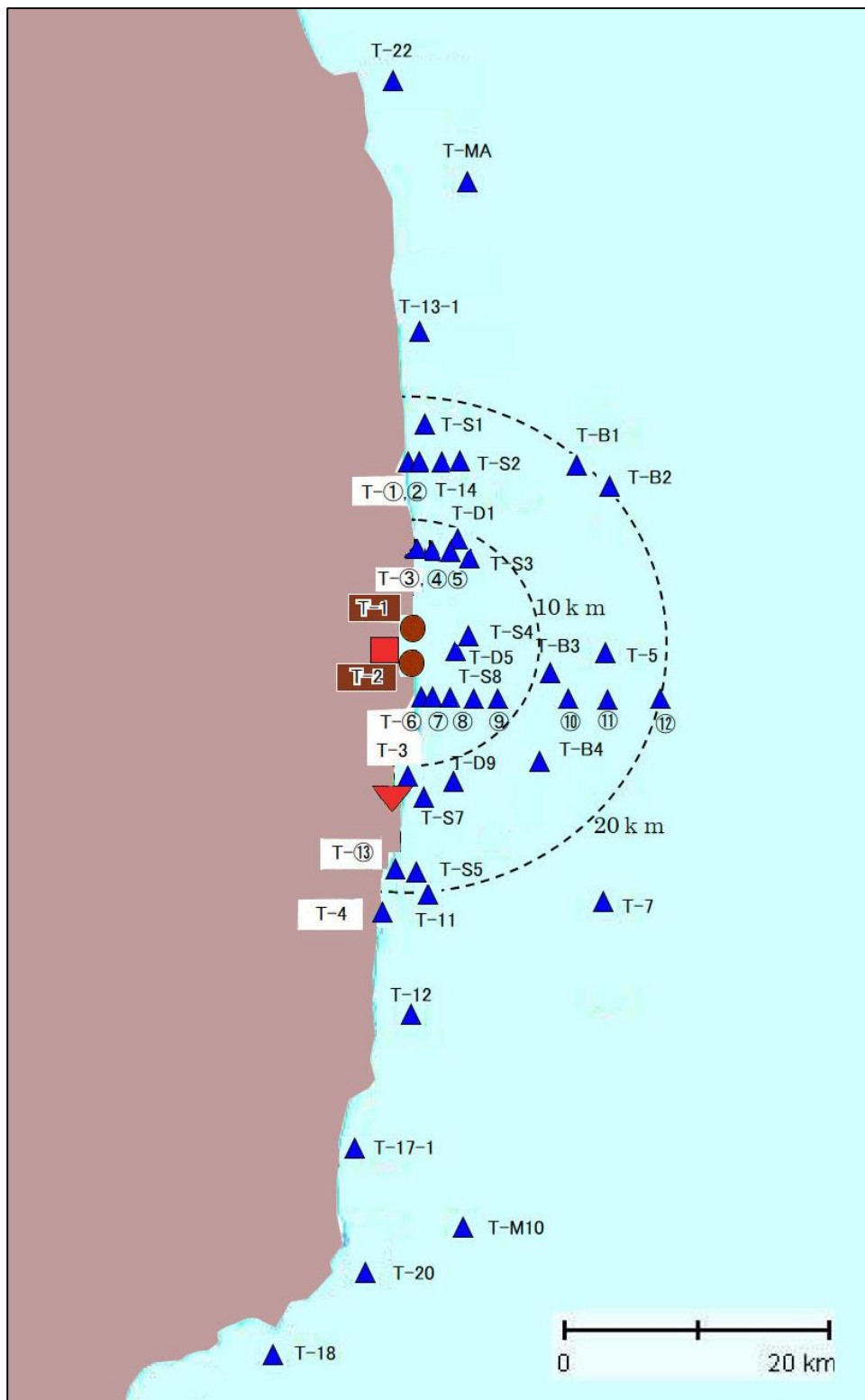


Concentration ranges of Cs-137 in sea-sediment near the Fukushima Daiichi NPS surveyed by TEPCO



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^{※1})

Radioactivity concentration in the sediment near Fukushima Dai-ichi NPP
(Based on the press release of Fukushima Prefecture^{※1})

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 (Bq/kg・乾土) Radioactivity concentration (Bq/kg・dry soil)						
南放水口付近 F-P01	2020/8/6	17	320	< 0.19	< 0.01	0.15
	2020/11/12	11	220	0.21	< 0.01	0.21
	2021/2/12	10	250	0.29	< 0.01	0.22
	2021/5/12	8.3	210	< 0.19	< 0.01	0.14
	2021/8/4	8.2	220	< 0.17	< 0.01	0.13
	2021/11/4	9.5	280	< 0.20	< 0.01	0.17
	2022/2/3	7.7	230	< 0.16	< 0.01	0.11
	2022/5/19	8.7	270	0.24	< 0.01	0.19
	2022/8/2	10	350	< 0.17	< 0.02	0.23
北放水口付近 F-P02	2020/8/6	12	230	< 0.084	< 0.01	0.15
	2020/11/12	11	240	< 0.16	< 0.01	0.18
	2021/2/12	9.1	190	0.21	< 0.01	0.19
	2021/5/12	7.2	180	< 0.15	< 0.01	0.27
	2021/8/4	7.7	180	< 0.14	< 0.01	0.21
	2021/11/4	5.1	160	< 0.17	< 0.01	0.32
	2022/2/3	8.4	240	< 0.19	< 0.01	0.12
	2022/5/19	6.0	210	< 0.18	< 0.01	0.23
	2022/8/2	6.5	220	< 0.12	< 0.02	0.17
取水口付近 F-P03	2020/8/6	11	220	0.25	< 0.01	0.21
	2020/11/12	12	240	< 0.16	< 0.01	0.27
	2021/2/12	13	290	0.43	< 0.01	0.26
	2021/5/12	8.9	210	< 0.18	< 0.01	0.27
	2021/8/4	10	260	0.39	< 0.01	0.25
	2021/11/4	9.9	280	0.34	< 0.01	0.20
	2022/2/3	11	330	0.44	< 0.01	0.25
	2022/5/19	8.4	260	< 0.20	< 0.02	0.34
	2022/8/2	6.7	250	< 0.26	< 0.01	0.25
第一(発)沖合 2km F-P04	2020/8/6	3.1	56	< 0.087	< 0.01	0.31
	2020/11/12	1.3	45	0.26	< 0.01	0.25
	2021/2/12	1.8	38	< 0.13	< 0.02	0.37
	2021/5/12	2.3	65	< 0.15	0.01	0.39
	2021/8/4	< 1.1	20	< 0.17	< 0.01	0.38
	2021/11/4	< 1.1	32	< 0.13	< 0.01	0.33
	2022/2/3	2.1	51	< 0.13	< 0.01	0.35
	2022/5/19	< 1.2	29	< 0.17	< 0.01	0.31
	2022/8/2	< 1.1	34	< 0.12	< 0.02	0.42

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

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

※2 「< XX」は、放射性物質濃度が検出下限値(XX)未満であることを表す。

※2 "< XX" means that radioactivity concentration is lower than the detection limit XX.

福島第一原子力発電所沿岸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^{※1})

Radioactivity concentration in the sediment around Fukushima Dai-ichi NPP
(Based on the press release of Fukushima Prefecture^{※1})

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(Bq/kg・乾土) Radioactivity concentration (Bq/kg・dry soil)						

夫沢・熊川沖2km (大熊町) (F-P05)	2020/8/6	2.1	35	< 0.16	< 0.01	0.42
	2020/11/12	1.6	44	0.25	< 0.01	0.48
	2021/2/12	1.5	32	0.20	< 0.01	0.44
	2021/5/12	2.3	45	< 0.18	< 0.01	0.43
	2021/8/4	1.1	23	< 0.13	< 0.01	0.41
	2021/11/4	1.3	36	< 0.16	< 0.01	0.40
	2022/2/3	1.7	38	0.19	< 0.01	0.37
	2022/5/19	1.3	27	< 0.18	< 0.01	0.50
	2022/8/2	< 0.99	22	< 0.16	< 0.02	0.41

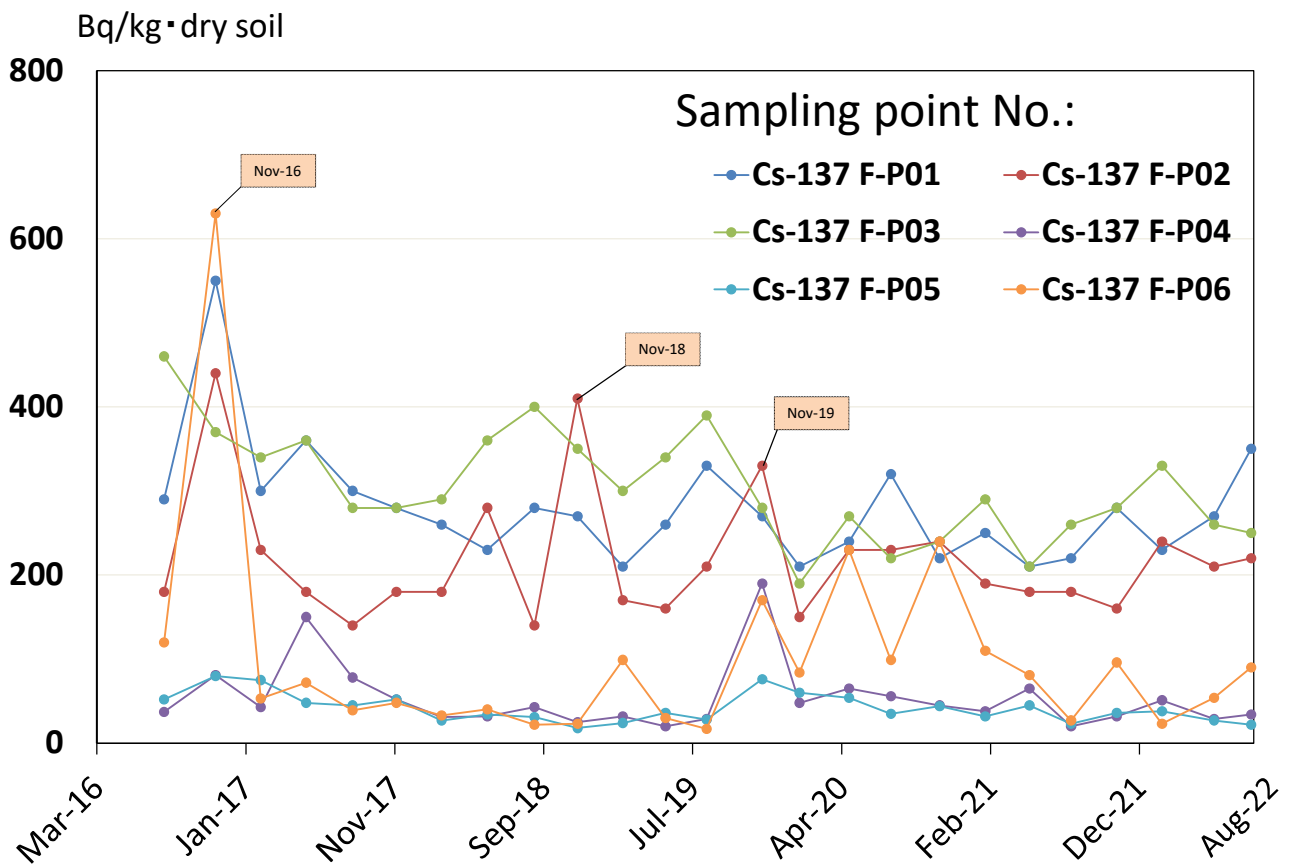
前田川沖2km (双葉町) (F-P06)	2020/8/6	5.2	99	< 0.12	< 0.01	0.41
	2020/11/12	11	240	< 0.19	< 0.02	0.33
	2021/2/12	4.6	110	0.19	< 0.02	0.49
	2021/5/12	3.3	81	< 0.18	< 0.01	0.42
	2021/8/4	1.0	27	< 0.15	< 0.01	0.33
	2021/11/4	3.3	96	< 0.13	< 0.01	0.40
	2022/2/3	< 0.92	23	< 0.14	< 0.01	0.19
	2022/5/19	1.5	54	< 0.19	0.01	0.40
	2022/8/2	2.1	90	0.28	< 0.02	0.42

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

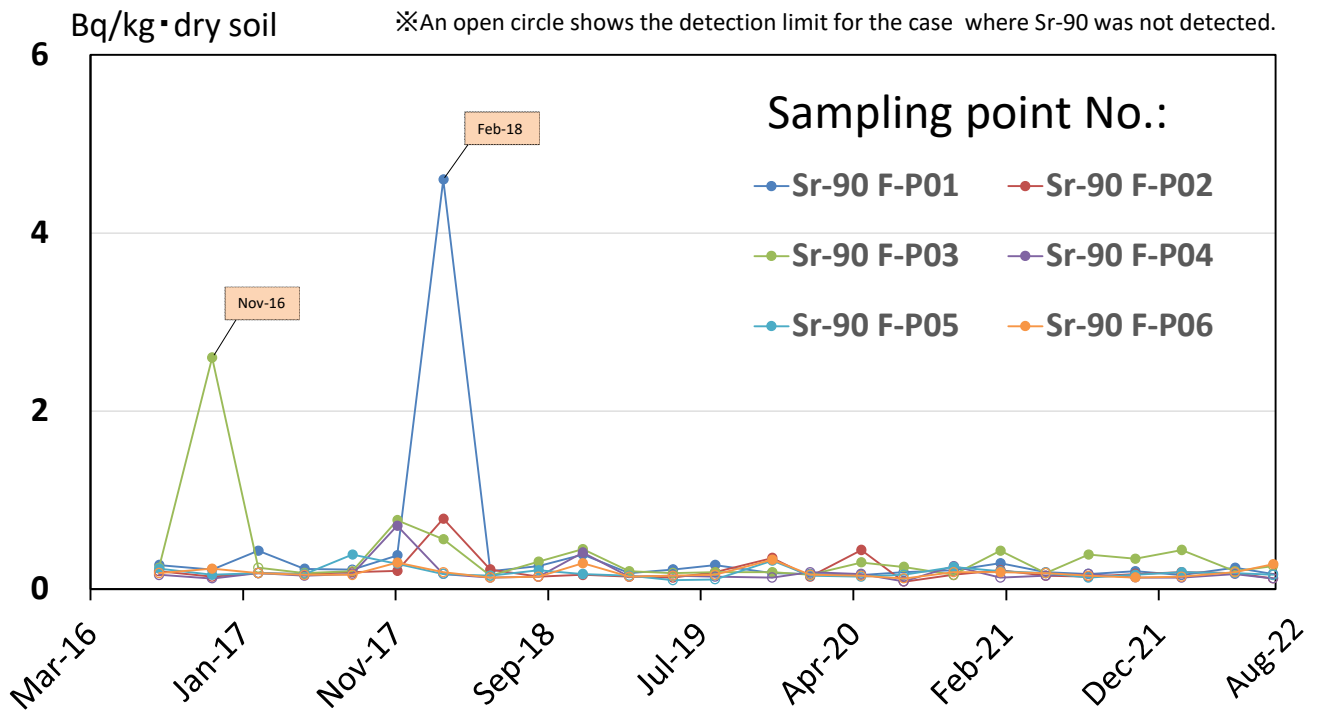
※1 Press release of Fukushima Prefecture (<https://www.pref.fukushima.lg.jp/site/portal/genan208.html>)

※2 「< XX」は、放射性物質濃度が検出下限値(XX)未満であることを表す。

※2 "< XX" means that radioactivity concentration is lower than the detection limit XX.

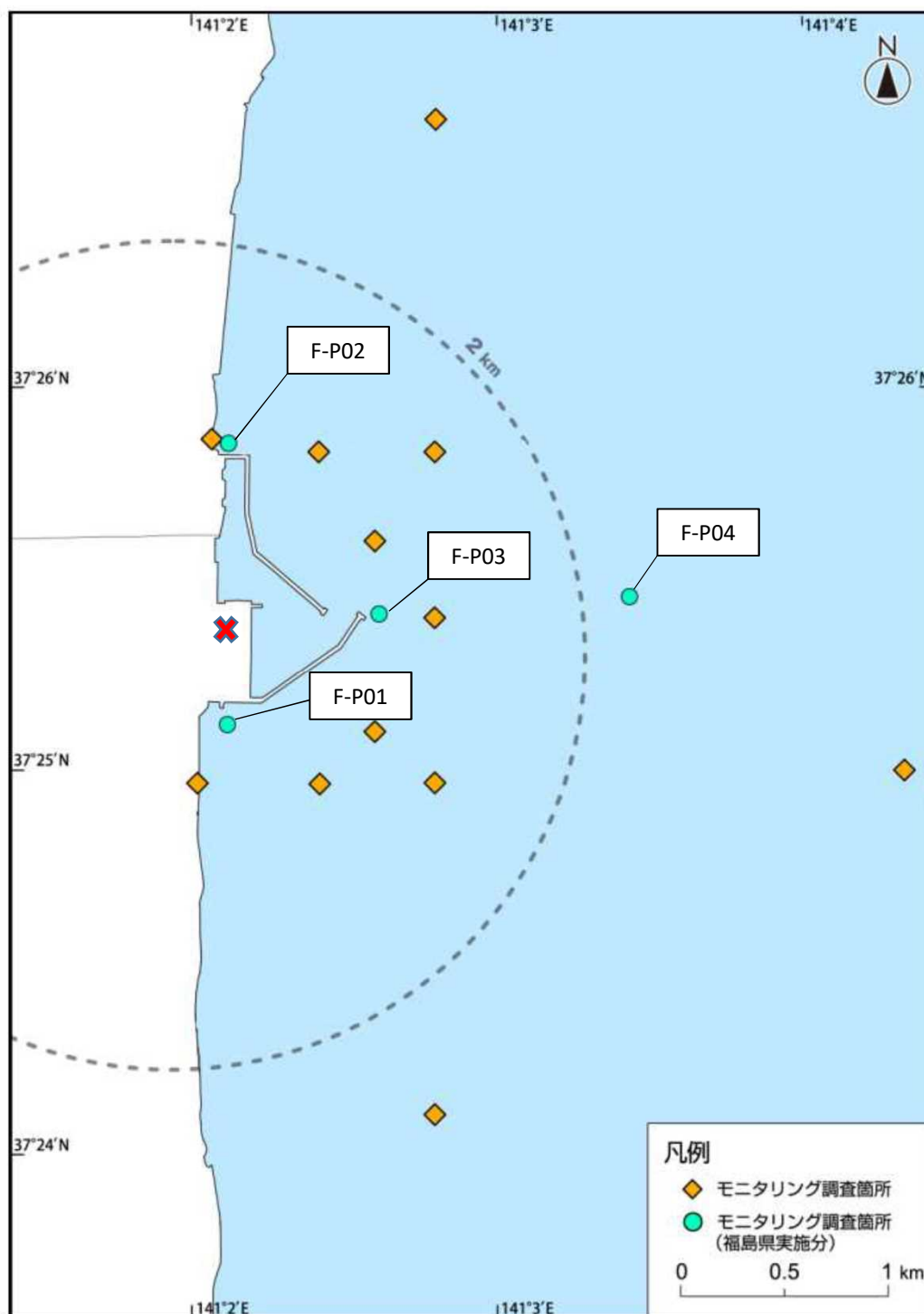


Concentration ranges of Cs-137 in sea-sediment near and around the Fukushima Daiichi NPS surveyed by Fukushima prefecture



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

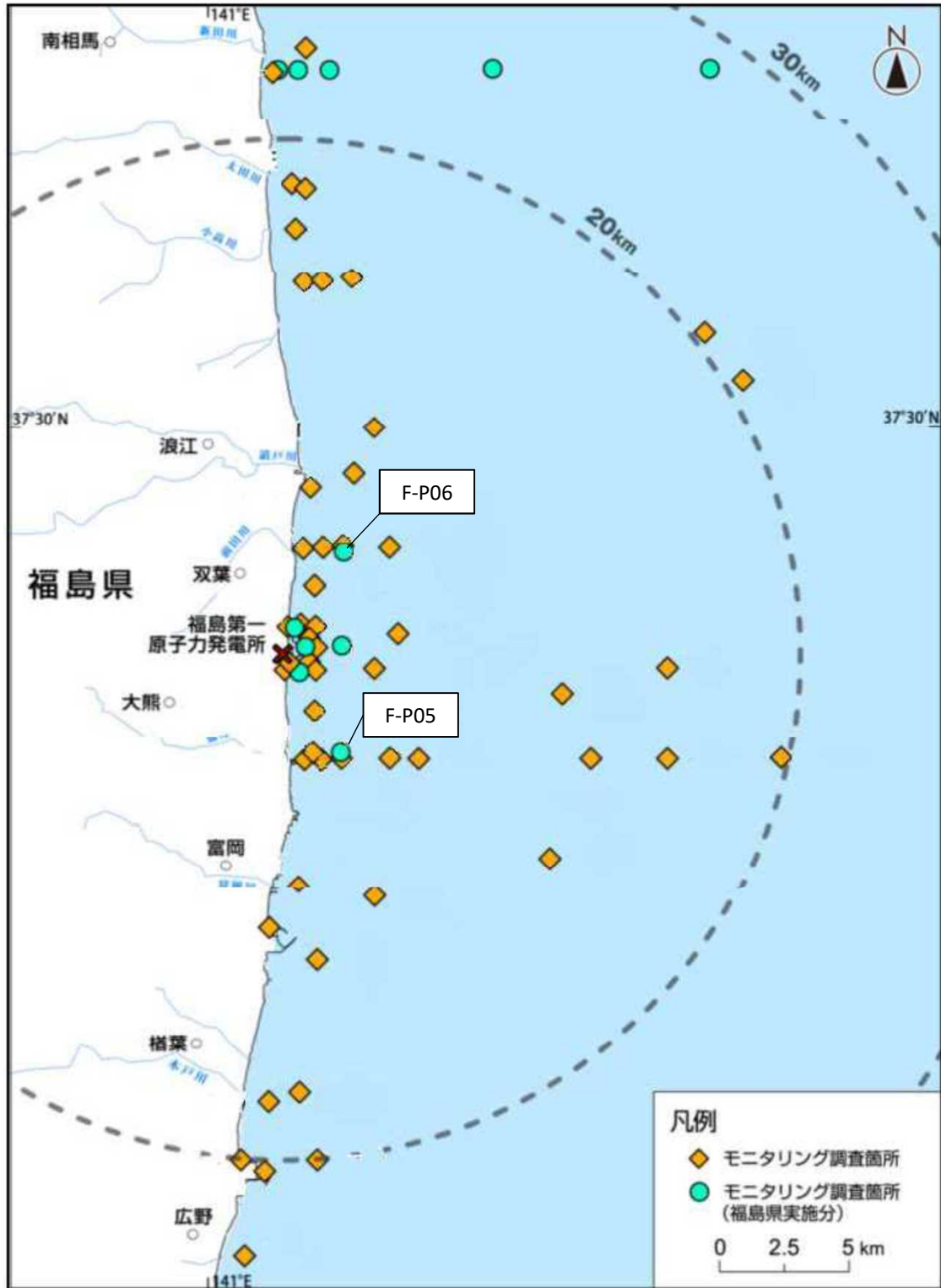
福島第一原子力発電所近傍海域の福島県による採泥ポイント
 (Sediment sampling points near Fukushima Dai-ichi NPP)



*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.