

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3年7月5日、19日、20日、29日、30日

Radioactivity concentration in the seawater around Fukushima Dai-ichi NPP
 (Based on the press release of TEPCO^{※1})
 Sampling Date: Jul 5, 19, 20, 29, 30, 2021

令和3年8月31日
 Aug 31, 2021

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|--------|--------|-----|-----------------|-------------------------------|-------|--------|------------|
| Cs-134 | Cs-137 | H-3 | 全α (gross α) | 全β ^{※3} (gross β) | Sr-90 | Pu-238 | Pu-239+240 |
|--------|--------|-----|-----------------|-------------------------------|-------|--------|------------|

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

| | 2021/4/15 14:05 | 2021/4/20 10:20 | 2021/4/27 14:00 | 2021/5/6 11:20 | 2021/5/11 13:50 | 2021/5/18 14:55 | 2021/5/25 14:10 | 2021/6/1 10:35 | 2021/6/8 14:00 | 2021/6/15 10:20 | 2021/6/22 10:30 | 2021/6/29 14:05 | 2021/7/6 10:50 | 2021/7/13 14:05 | 2021/7/20 10:35 | 2021/7/29 13:50 |
|-------|-----------------|-----------------|-----------------|----------------|-----------------|-----------------|-----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|-----------------|-------------------|
| T-3 | ND(0.0014) | ND(0.0011) | 0.0022 | 0.0013 | ND(0.0013) | ND(0.0014) | ND(0.0012) | ND(0.0012) | ND(0.0013) | ND(0.0012) | ND(0.0010) | ND(0.0013) | ND(0.0013) | ND(0.0013) | ND(0.0014) | ND(0.0012) |
| | 0.020 | 0.019 | 0.039 | 0.024 | 0.019 | 0.025 | 0.017 | 0.020 | 0.013 | 0.014 | 0.015 | 0.024 | 0.022 | 0.025 | 0.021 | 0.030 |
| | | ND(0.29) | | ND(0.30) | | ND(0.32) | | ND(0.32) | | ND(0.29) | | | ND(0.29) | | 0.40 | |
| | | ND(13) | | ND(13) | | ND(13) | | ND(11) | | ND(13) | | | ND(12) | | ND(14) | |
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| | T-4 | ND(0.0014) | ND(0.0011) | 0.0017 | | | | | | | | | | | | |
| 0.028 | | 0.017 | 0.039 | | | | | | | | | | | | | |
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| T-6 | ND(0.0013) | ND(0.0013) | ND(0.0013) | ND(0.0013) | ND(0.0013) | ND(0.0014) | ND(0.0012) | ND(0.0013) | ND(0.0014) | ND(0.0012) | ND(0.0013) | ND(0.0013) | ND(0.0012) | ND(0.0012) | ND(0.0011) | ND(0.0013) |
| | 0.025 | 0.025 | 0.020 | 0.017 | 0.012 | 0.031 | 0.0072 | 0.012 | 0.016 | 0.012 | 0.0087 | 0.013 | 0.010 | 0.0095 | 0.0098 | 0.026 |
| | | 0.34 | | ND(0.30) | | 0.34 | | ND(0.32) | | ND(0.29) | | | ND(0.29) | | 0.40 | |
| | | ND(12) | | ND(13) | | ND(13) | | 12 | | ND(13) | | | ND(12) | | ND(14) | |
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○: 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。

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

※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 Daiichi 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 ^{※3} (gross β) | Sr-90 | Pu-238 | Pu-239+240 |
|--|--------|-----|-----------------|-------------------------------|-------|--------|------------|
| 放射性物質濃度 (検出下限値) (Bq/L) (ND ^{※2} : 不検出) | | | | | | | |
| Radioactivity concentration (Lower detection limit) (Bq/L) (ND ^{※2} : Not Detectable) | | | | | | | |

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|-----|----------------|--------------------------|------------------|----------|---------|--------|-------------|--------------------------------|--------|
| T-5 | 2021/4/12 7:06 | ND(0.0014) ND(0.0010) | 0.0028 0.0028 | ND(0.32) | | ND(14) | | ND(0.0000078) ND(0.0000074) | O L |
| | 2021/4/21 7:19 | ND(0.0010) ND(0.0012) | 0.0015 0.0025 | | | | | | O L |
| | 2021/4/27 7:05 | ND(0.0014) ND(0.0013) | 0.0017 0.0023 | | | | | | O L |
| | 2021/5/6 7:11 | ND(0.0014) ND(0.0010) | 0.0017 0.0023 | ND(0.32) | ND(1.8) | 17 | ND(0.00078) | | O L |
| | 2021/5/10 7:08 | ND(0.0014) ND(0.0014) | 0.0028 0.0020 | | | | | | O L |
| | 2021/5/20 7:09 | ND(0.0012) ND(0.0012) | 0.0022 0.0014 | ND(0.32) | | | ND(13) | | O L |
| | 2021/5/24 8:16 | ND(0.0013) ND(0.0014) | 0.0024 0.0019 | | | | | | O L |
| | 2021/6/1 8:36 | ND(0.0011) ND(0.0012) | 0.0033 0.0018 | ND(0.30) | ND(2.1) | ND(14) | 0.0011 | | O L |
| | 2021/6/7 7:15 | ND(0.0013) ND(0.0012) | 0.0029 0.0028 | | | | | | O L |
| | 2021/6/14 7:06 | ND(0.0012) ND(0.0012) | 0.0024 0.0022 | ND(0.32) | | | ND(13) | | O L |
| | 2021/6/21 7:01 | ND(0.0011) ND(0.0013) | 0.0020 0.0022 | | | | | | O L |
| | 2021/6/28 7:14 | ND(0.0013) ND(0.0012) | 0.0023 0.0021 | | | | | | O L |
| | 2021/7/5 7:10 | ND(0.0012) ND(0.0013) | 0.0031 0.0021 | ND(0.29) | ND(2.1) | ND(13) | 0.00095 | | O L |
| | 2021/7/12 6:40 | ND(0.0012) ND(0.0013) | 0.0013 0.0024 | | | | | | O L |
| | 2021/7/19 7:04 | ND(0.0013) ND(0.0012) | 0.0037 0.0022 | ND(0.31) | | | 14 | | O L |
| | 2021/7/30 7:10 | ND(0.0013) ND(0.0012) | 0.0040 0.0020 | | | | | | O L |

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|------|----------------|---------------------------|------------------|----------|---------|--------|-------------|--|--------|
| T-D1 | 2021/4/12 7:45 | ND(0.0010) ND(0.0011) | 0.0037 0.0046 | ND(0.32) | | ND(14) | | | O L |
| | 2021/4/20 7:42 | ND(0.0011) ND(0.0013) | 0.0088 0.0082 | | | | | | O L |
| | 2021/4/27 7:39 | ND(0.0012) ND(0.0012) | 0.0036 0.0064 | | | | | | O L |
| | 2021/5/6 8:01 | ND(0.0014) ND(0.0011) | 0.0073 0.0088 | ND(0.29) | ND(1.8) | ND(13) | ND(0.00062) | | O L |
| | 2021/5/10 7:48 | ND(0.0012) ND(0.0014) | 0.0042 0.0056 | | | | | | O L |
| | 2021/5/19 7:58 | ND(0.0012) ND(0.0013) | 0.0038 0.0083 | ND(0.29) | | | 15 | | O L |
| | 2021/5/24 7:54 | ND(0.0010) ND(0.0010) | 0.0048 0.0049 | | | | | | O L |
| | 2021/6/1 7:53 | ND(0.0012) ND(0.0010) | 0.0032 0.0058 | ND(0.30) | ND(2.1) | ND(14) | 0.0010 | | O L |
| | 2021/6/7 7:40 | ND(0.0014) ND(0.0011) | 0.0051 0.0094 | | | | | | O L |
| | 2021/6/14 7:45 | ND(0.0010) ND(0.0012) | 0.0033 0.0033 | 0.40 | | | 17 | | O L |
| | 2021/6/21 7:41 | ND(0.0013) ND(0.0012) | 0.0069 0.0041 | | | | | | O L |
| | 2021/6/28 7:46 | ND(0.0012) ND(0.0013) | 0.0031 0.0041 | | | | | | O L |
| | 2021/7/5 8:01 | ND(0.0011) ND(0.0012) | 0.0050 0.0055 | ND(0.29) | ND(2.1) | ND(13) | 0.0011 | | O L |
| | 2021/7/12 6:48 | ND(0.0011) ND(0.0013) | 0.0028 0.019 | | | | | | O L |
| | 2021/7/19 7:39 | ND(0.0012) ND(0.00095) | 0.0027 0.0049 | ND(0.31) | | | ND(13) | | O L |
| | 2021/7/30 7:50 | ND(0.0012) ND(0.0012) | 0.013 0.0026 | | | | | | O 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 | H-3 | 全α (gross α) | 全β ^{※3} (gross β) | Sr-90 | Pu-238 | Pu-239+240 |
|---|--------|-----|-----------------|-------------------------------|-------|--------|------------|
| 放射性物質濃度 (検出下限値) (Bq/L) (ND ^{※2} : 不検出) Radioactivity concentration (Lower detection limit) (Bq/L) (ND ^{※2} : Not Detectable) | | | | | | | |

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|----------------|----------------|------------|----------|----------|---------|--------|-------------|---|---|
| T-D5 | 2021/4/12 8:11 | ND(0.0011) | 0.0051 | ND(0.32) | | ND(14) | | | O |
| | | ND(0.0012) | 0.0032 | | | | | | L |
| | 2021/4/20 8:04 | ND(0.0012) | 0.0065 | | | | | | O |
| | | ND(0.0013) | 0.0046 | | | | | | L |
| | 2021/4/27 8:05 | ND(0.0014) | 0.0051 | | | | | | O |
| | | ND(0.0012) | 0.0050 | | | | | | L |
| | 2021/5/6 8:40 | ND(0.0012) | 0.0074 | 0.33 | ND(1.8) | ND(13) | 0.00064 | | O |
| | | ND(0.0012) | 0.0035 | | | | | | L |
| | 2021/5/10 8:12 | ND(0.0014) | 0.0042 | | | | | | O |
| | | ND(0.0011) | 0.0045 | | | | | | L |
| | 2021/5/19 8:25 | ND(0.0012) | 0.0049 | 0.35 | | ND(12) | | | O |
| | | ND(0.0014) | 0.0091 | | | | | | L |
| | 2021/5/24 8:21 | ND(0.0012) | 0.0036 | | | | | | O |
| | | ND(0.0012) | 0.0042 | | | | | | L |
| | 2021/6/1 8:23 | ND(0.0011) | 0.0057 | ND(0.30) | ND(2.1) | ND(14) | ND(0.00064) | | O |
| | | ND(0.0010) | 0.0072 | | | | | | L |
| | 2021/6/7 8:04 | ND(0.0011) | 0.011 | | | | | | O |
| | | ND(0.0011) | 0.010 | | | | | | L |
| | 2021/6/14 8:09 | ND(0.0013) | 0.0038 | ND(0.32) | | 14 | | | O |
| | | ND(0.0014) | 0.0034 | | | | | | L |
| 2021/6/21 8:10 | ND(0.0011) | 0.0042 | | | | | | O | |
| | ND(0.0012) | 0.0034 | | | | | | L | |
| 2021/6/28 8:11 | ND(0.0014) | 0.0040 | | | | | | O | |
| | ND(0.0012) | 0.0048 | | | | | | L | |
| 2021/7/5 8:35 | ND(0.0012) | 0.0029 | ND(0.29) | ND(2.1) | ND(13) | 0.0018 | | O | |
| | ND(0.0012) | 0.0014 | | | | | | L | |
| 2021/7/12 7:14 | ND(0.0011) | 0.0045 | | | | | | O | |
| | ND(0.0011) | 0.0037 | | | | | | L | |
| 2021/7/19 8:03 | ND(0.0014) | 0.010 | ND(0.31) | | ND(13) | | | O | |
| | ND(0.0013) | 0.0021 | | | | | | L | |
| 2021/7/30 8:17 | ND(0.0013) | 0.019 | | | | | | O | |
| | ND(0.0012) | 0.0030 | | | | | | L | |

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|----------------|----------------|-------------|----------|----------|---------|--------|--------------|--------------|---|
| T-D9 | 2021/4/12 8:02 | ND(0.0012) | 0.0062 | ND(0.32) | | ND(14) | ND(0.000075) | ND(0.000079) | O |
| | | ND(0.0013) | 0.0044 | | | | | | L |
| | 2021/4/21 8:05 | ND(0.0013) | 0.0035 | | | | | | O |
| | | ND(0.0012) | 0.0039 | | | | | | L |
| | 2021/4/27 7:54 | ND(0.0012) | 0.0064 | | | | | | O |
| | | ND(0.0013) | 0.0056 | | | | | | L |
| | 2021/5/6 8:08 | ND(0.0012) | 0.0061 | 0.44 | ND(1.8) | ND(13) | 0.0012 | | O |
| | | ND(0.0013) | 0.0027 | | | | | | L |
| | 2021/5/10 8:05 | ND(0.0014) | 0.0043 | | | | | | O |
| | | ND(0.0011) | 0.0056 | | | | | | L |
| | 2021/5/20 7:58 | ND(0.0012) | 0.0038 | ND(0.32) | | ND(13) | | | O |
| | | ND(0.0012) | 0.011 | | | | | | L |
| | 2021/5/24 9:24 | ND(0.0013) | 0.0064 | | | | | | O |
| | | ND(0.0013) | 0.0057 | | | | | | L |
| | 2021/6/1 9:47 | ND(0.00098) | 0.0044 | ND(0.30) | ND(2.1) | ND(14) | ND(0.00082) | | O |
| | | ND(0.0010) | 0.0050 | | | | | | L |
| | 2021/6/7 8:00 | ND(0.0013) | 0.0032 | | | | | | O |
| | | ND(0.0014) | 0.0069 | | | | | | L |
| | 2021/6/14 7:56 | ND(0.0011) | 0.0048 | ND(0.32) | | 18 | | | O |
| | | ND(0.0012) | 0.0035 | | | | | | L |
| 2021/6/21 7:48 | ND(0.0012) | 0.0029 | | | | | | O | |
| | ND(0.0011) | 0.0024 | | | | | | L | |
| 2021/6/28 7:59 | ND(0.0012) | 0.0033 | | | | | | O | |
| | ND(0.0012) | 0.0055 | | | | | | L | |
| 2021/7/5 7:59 | ND(0.0013) | 0.0040 | ND(0.29) | ND(2.1) | ND(13) | 0.0016 | | O | |
| | ND(0.0014) | 0.0025 | | | | | | L | |
| 2021/7/12 6:04 | ND(0.0012) | 0.0047 | | | | | | O | |
| | ND(0.0012) | 0.0042 | | | | | | L | |
| 2021/7/19 7:52 | ND(0.0013) | 0.0029 | ND(0.32) | | 14 | | | O | |
| | ND(0.0013) | 0.0026 | | | | | | L | |
| 2021/7/30 7:59 | ND(0.0010) | 0.0061 | | | | | | O | |
| | ND(0.0012) | 0.0048 | | | | | | 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

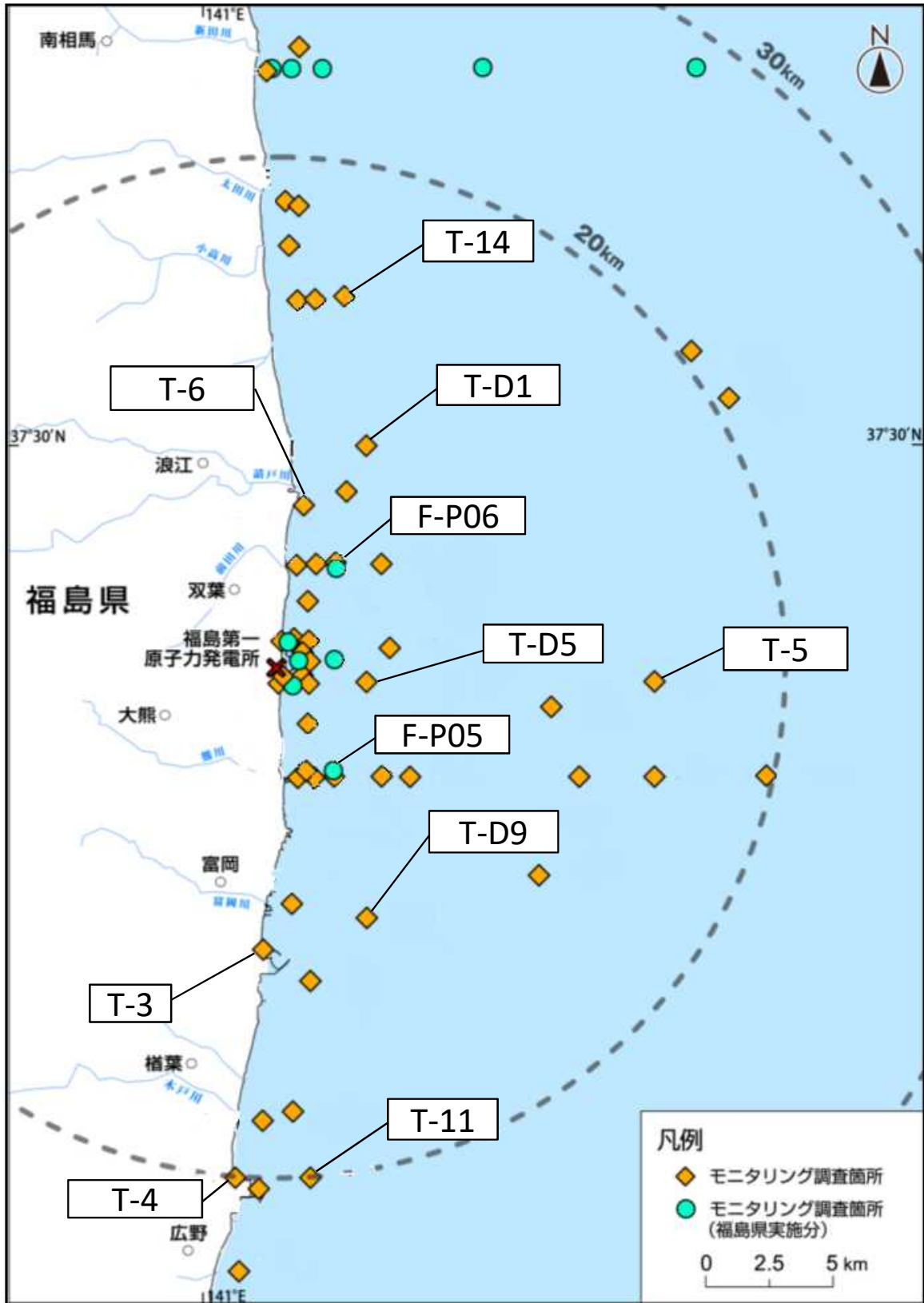
放射性物質濃度 (検出下限値) (Bq/L) (ND※2 : 不検出)
Radioactivity concentration (Lower detection limit) (Bq/L) (ND※2 : Not Detectable)

| | | | | |
|----------------|-------------------|---------------|--------|---|
| T-11 | 2021/4/12 8:35 | ND(0.0012) | 0.0054 | O |
| | | ND(0.0014) | 0.0045 | L |
| | 2021/4/21 8:35 | ND(0.0011) | 0.0058 | O |
| | | ND(0.0012) | 0.0050 | L |
| | 2021/4/27 8:21 | ND(0.0013) | 0.0034 | O |
| | | ND(0.0014) | 0.017 | L |
| | 2021/5/6 8:44 | ND(0.0012) | 0.0052 | O |
| | | ND(0.0012) | 0.0029 | L |
| | 2021/5/10 8:45 | ND(0.00099) | 0.0044 | O |
| | | ND(0.0012) | 0.0046 | L |
| | 2021/5/20 8:29 | ND(0.0013) | 0.0099 | O |
| | | ND(0.0014) | 0.0078 | L |
| | 2021/5/24 10:06 | ND(0.0014) | 0.0070 | O |
| | | ND(0.0013) | 0.0048 | L |
| | 2021/6/1 10:30 | ND(0.0012) | 0.0037 | O |
| | | ND(0.0011) | 0.0061 | L |
| | 2021/6/7 8:26 | ND(0.0013) | 0.0064 | O |
| | | ND(0.0013) | 0.017 | L |
| | 2021/6/14 8:24 | ND(0.0013) | 0.0049 | O |
| | | ND(0.0014) | 0.0039 | L |
| | 2021/6/21 8:17 | ND(0.0013) | 0.0055 | O |
| | | ND(0.00098) | 0.0033 | L |
| | 2021/6/28 8:24 | ND(0.0012) | 0.0028 | O |
| | | ND(0.0014) | 0.0043 | L |
| | 2021/7/5 8:39 | ND(0.0011) | 0.0051 | O |
| | | ND(0.0012) | 0.0042 | L |
| | 2021/7/12 5:29 | ND(0.0012) | 0.0079 | O |
| | | ND(0.0012) | 0.0045 | L |
| 2021/7/19 8:21 | ND(0.0012) | 0.0029 | O | |
| | ND(0.0013) | 0.0032 | L | |
| 2021/7/30 8:33 | ND(0.0012) | 0.0083 | O | |
| | ND(0.0012) | 0.0044 | L | |

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|----------------|-------------------|---------------|--------|---|
| T-14 | 2021/4/12 7:27 | ND(0.0014) | 0.0032 | O |
| | | ND(0.0014) | 0.0037 | L |
| | 2021/4/20 7:24 | ND(0.0012) | 0.0054 | O |
| | | ND(0.0014) | 0.0099 | L |
| | 2021/4/27 7:22 | ND(0.0015) | 0.0032 | O |
| | | ND(0.0014) | 0.0052 | L |
| | 2021/5/6 7:34 | ND(0.0016) | 0.0027 | O |
| | | ND(0.0015) | 0.0037 | L |
| | 2021/5/10 7:30 | ND(0.0015) | 0.0029 | O |
| | | ND(0.0014) | 0.0034 | L |
| | 2021/5/19 7:38 | ND(0.0012) | 0.0044 | O |
| | | ND(0.0015) | 0.0093 | L |
| | 2021/5/24 7:33 | ND(0.0016) | 0.0041 | O |
| | | ND(0.0014) | 0.0041 | L |
| | 2021/6/1 7:30 | ND(0.0015) | 0.0034 | O |
| | | ND(0.0015) | 0.0049 | L |
| | 2021/6/7 7:22 | ND(0.0018) | 0.0029 | O |
| | | ND(0.0016) | 0.0086 | L |
| | 2021/6/14 7:25 | ND(0.0015) | 0.0034 | O |
| | | ND(0.0015) | 0.0038 | L |
| | 2021/6/21 7:21 | ND(0.0013) | 0.0053 | O |
| | | ND(0.0014) | 0.0034 | L |
| | 2021/6/28 7:28 | ND(0.0014) | 0.0027 | O |
| | | ND(0.0015) | 0.0027 | L |
| | 2021/7/5 7:38 | ND(0.0014) | 0.0028 | O |
| | | ND(0.0015) | 0.0038 | L |
| | 2021/7/12 6:29 | ND(0.0014) | 0.0044 | O |
| | | ND(0.0014) | 0.0053 | L |
| 2021/7/19 7:22 | ND(0.0014) | 0.0028 | O | |
| | ND(0.0014) | 0.0037 | L | |
| 2021/7/30 7:32 | ND(0.0014) | 0.0040 | O | |
| | ND(0.0014) | 0.0071 | L | |

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

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 legend × indicates the location of TEPCO Fukushima Dai-ichi NPP.