

Sea Area Monitoring

Jun 25, 2020

Nuclear Regulation Authority (NRA), Japan

The most recent radioactivity data of sea area within 2km from the NPS

| Sampling point | Sampling Date | Cs-134 | Cs-137 | Gross β | H-3 | Sr-90 | Gross α | Pu-238 | Pu-239+Pu-240 |
|----------------|---------------|--------|--------|---------------|-----|-------|----------------|--------|---------------|
|----------------|---------------|--------|--------|---------------|-----|-------|----------------|--------|---------------|

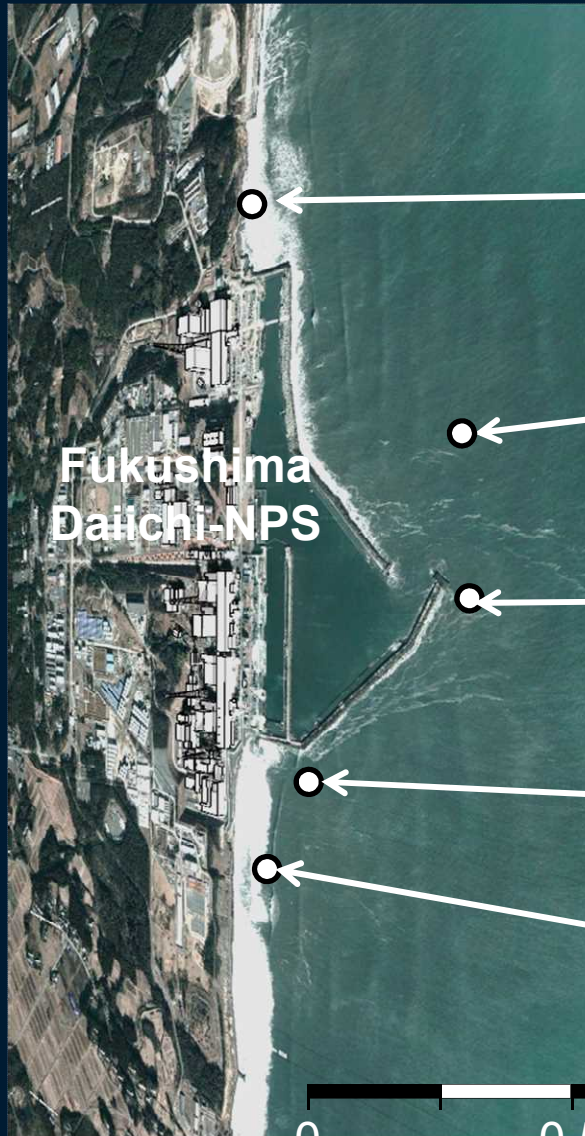
Sea water radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits

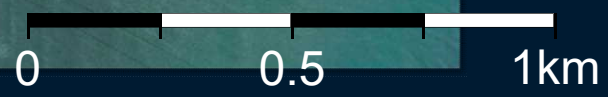
* 1 : Gross β : including K-40

* 2 : Gross β : excluding K-40

| | | | | | | | | | |
|-------|-----------|-----------|-------|--------------------|----------|---------|---------|--------------------------|--------------------------|
| T-1 | 2020/3/2 | 0.0030 | 0.052 | 12 | ND(0.88) | 0.0013 | ND(2.3) | | |
| | 2020/4/6 | 0.0055 | 0.10 | 13 | ND(0.86) | 0.0038 | ND(1.9) | ND(0.0000047) | ND(0.0000043) |
| | 2020/5/4 | 0.0053 | 0.092 | 12 | ND(0.81) | 0.0030 | ND(2.0) | | |
| M-101 | 2020/2/6 | 0.0042 | 0.070 | | 0.077 | 0.00098 | | | |
| | 2020/3/12 | 0.00071 | 0.013 | | 0.070 | | | | |
| | 2020/4/22 | 0.00074 | 0.019 | | | | | | |
| F-P03 | 2020/1/8 | 0.012 | 0.17 | 0.05 ^{*2} | 0.89 | 0.0051 | | ND(7×10^{-6}) | ND(8×10^{-6}) |
| | 2020/2/4 | 0.003 | 0.046 | 0.03 ^{*2} | ND(0.34) | 0.0010 | | ND(7×10^{-6}) | 0.000010 |
| | 2020/3/12 | ND(0.003) | 0.026 | 0.03 ^{*2} | ND(0.33) | 0.0013 | | ND(8×10^{-6}) | ND(7×10^{-6}) |
| F-P01 | 2020/1/8 | ND(0.003) | 0.055 | 0.04 ^{*2} | ND(0.34) | 0.0006 | | ND(8×10^{-6}) | 0.000010 |
| | 2020/2/4 | 0.021 | 0.35 | 0.03 ^{*2} | ND(0.35) | 0.0013 | | ND(8×10^{-6}) | 0.000011 |
| | 2020/3/12 | ND(0.003) | 0.22 | 0.03 ^{*2} | ND(0.33) | 0.0011 | | ND(8×10^{-6}) | ND(6×10^{-6}) |
| T-2 | 2020/3/2 | 0.0098 | 0.17 | 14 | ND(0.88) | 0.0088 | ND(1.9) | | |
| | 2020/4/6 | 0.0051 | 0.11 | 10 | ND(0.86) | 0.0041 | ND(1.9) | ND(0.0000043) | ND(0.0000040) |
| | 2020/5/4 | 0.011 | 0.21 | 12 | ND(0.81) | 0.0020 | ND(2.2) | | |



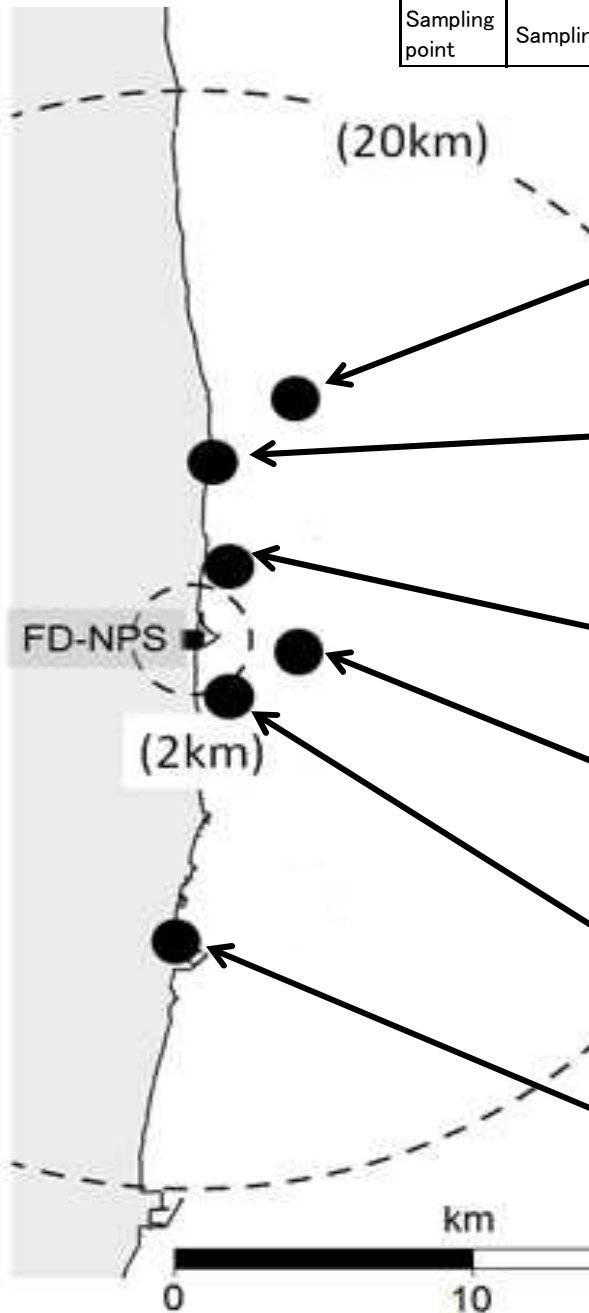
Fukushima Daiichi-NPS



Most recent radioactivity data of sea area between 2-20km from the NPS

| Sampling point | Sampling Date | Cs-134 | Cs-137 | Gross β | H-3 | Sr-90 | Gross α | Pu-238 | Pu-239+240 | S | S:2m below sea level |
|----------------|---------------|--------|--------|---------------|-----|-------|----------------|--------|------------|---|----------------------|
|----------------|---------------|--------|--------|---------------|-----|-------|----------------|--------|------------|---|----------------------|

Sea water radioactivity (Bq/L):
 ND: Not detected; Numbers in parentheses: detection limits
 Gross β : including K-40



| | | | | | | | | | | |
|-------|-----------|------------|--------|--------|----------|---------|---------|--|--|------|
| T-D1 | 2020/3/2 | ND(0.0011) | 0.011 | ND(14) | ND(0.30) | 0.0013 | ND(2.4) | | | S |
| | 2020/4/3 | ND(0.0011) | 0.014 | ND(13) | 0.40 | 0.0011 | ND(2.2) | | | S |
| | 2020/5/7 | ND(0.0013) | 0.0022 | | | | | | | S |
| T-6 | 2020/3/17 | 0.0037 | 0.067 | ND(12) | 0.46 | | | | | S |
| | 2020/4/7 | ND(0.0012) | 0.015 | ND(13) | 0.41 | | | | | S |
| | 2020/5/7 | ND(0.0012) | 0.015 | ND(14) | ND(0.27) | | | | | S |
| M-103 | 2020/2/6 | 0.0038 | 0.066 | | 0.071 | 0.00091 | | | | 0.5m |
| | 2020/3/12 | 0.00095 | 0.015 | | 0.094 | | | | | 0.5m |
| | 2020/4/22 | 0.00070 | 0.015 | | | | | | | 0.5m |
| T-D5 | 2020/3/2 | ND(0.0013) | 0.013 | ND(14) | ND(0.30) | 0.0014 | ND(2.4) | | | S |
| | 2020/4/3 | ND(0.0013) | 0.0030 | ND(13) | 0.41 | 0.0013 | ND(2.2) | | | S |
| | 2020/5/7 | ND(0.0013) | 0.0032 | | | | | | | S |
| M-104 | 2020/2/7 | 0.0023 | 0.039 | | 0.063 | 0.00085 | | | | 0.5m |
| | 2020/3/13 | 0.00077 | 0.013 | | 0.090 | | | | | 0.5m |
| | 2020/4/23 | 0.0018 | 0.027 | | | | | | | 0.5m |
| T-3 | 2020/3/17 | 0.0032 | 0.059 | ND(12) | 0.35 | | | | | S |
| | 2020/4/7 | ND(0.0012) | 0.018 | ND(13) | 0.40 | | | | | S |
| | 2020/5/7 | 0.0016 | 0.023 | ND(13) | 0.47 | | | | | S |

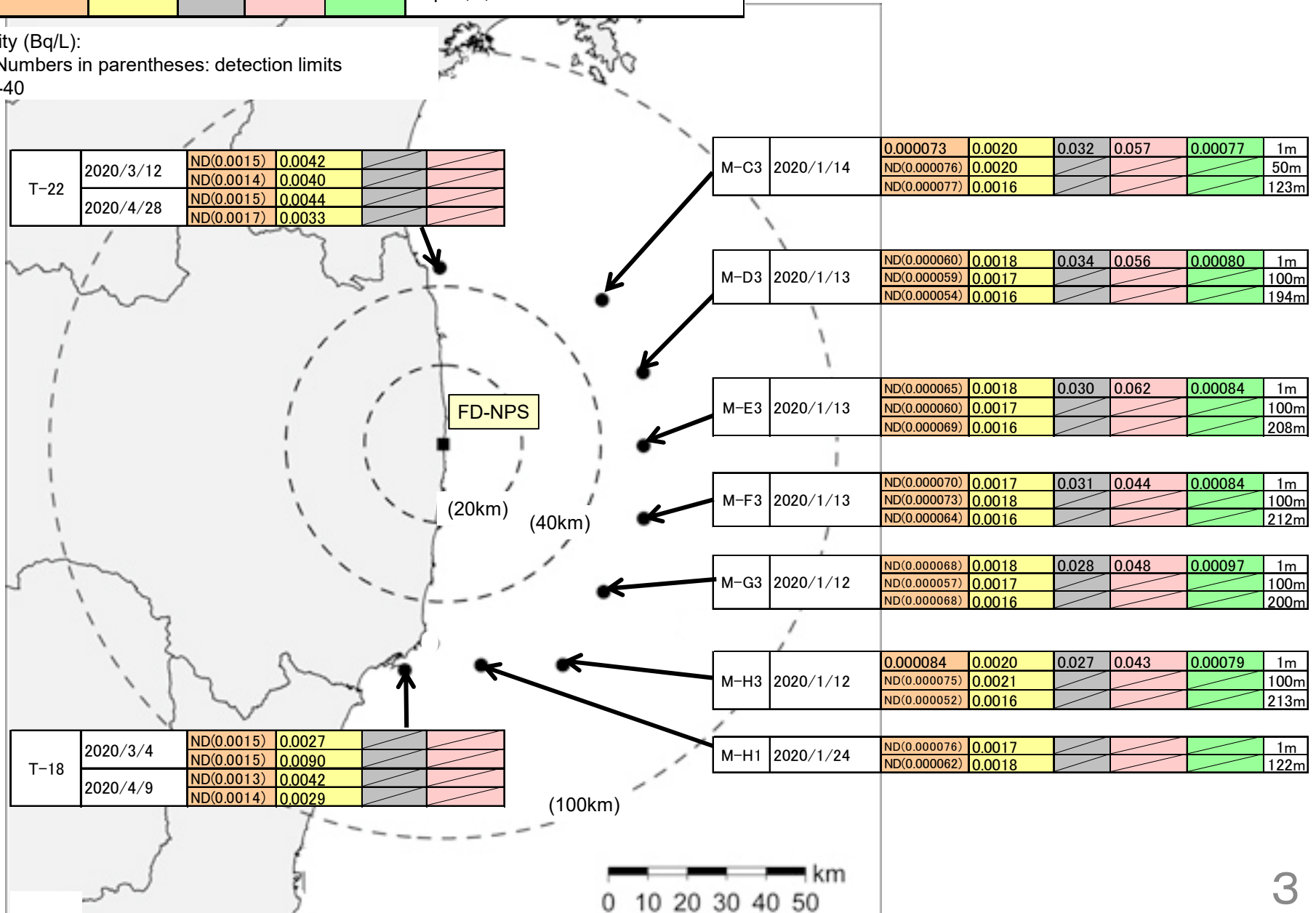
Most recent radioactivity data of sea area between 40-100km from the NPS

| Sampling point | Sampling Date | Cs-134 | Cs-137 | Gross β | H-3 | Sr-90 | S/B |
|-------------------------|---------------|--------|--------|---------------|-----|-------|--|
| | | | | | | | S:2m below sea level B:2-3m above sea bottom |
| Depth(m) from sea level | | | | | | | |

Sea water radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits

Gross β : excluding K-40



Most recent radioactivity data of sea area along and off the coast of Miyagi Prefecture

S:2m below sea level B:2-3m above sea bottom

| Sampling point | Sampling Date | Cs-134 | Cs-137 | S/B | Depth(m) from sea level |
|----------------|---------------|--------|--------|-----|-------------------------|
|----------------|---------------|--------|--------|-----|-------------------------|

Sea water radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits

| Sampling point | Sampling Date | Cs-134 | Cs-137 | S/B |
|----------------|---------------|------------|--------|-----|
| T-MG1 | 2020/4/24 | ND(0.0014) | 0.0034 | S |
| | | ND(0.0017) | 0.0020 | B |
| | 2020/5/12 | ND(0.0014) | 0.0031 | S |
| | | ND(0.0014) | 0.0023 | B |

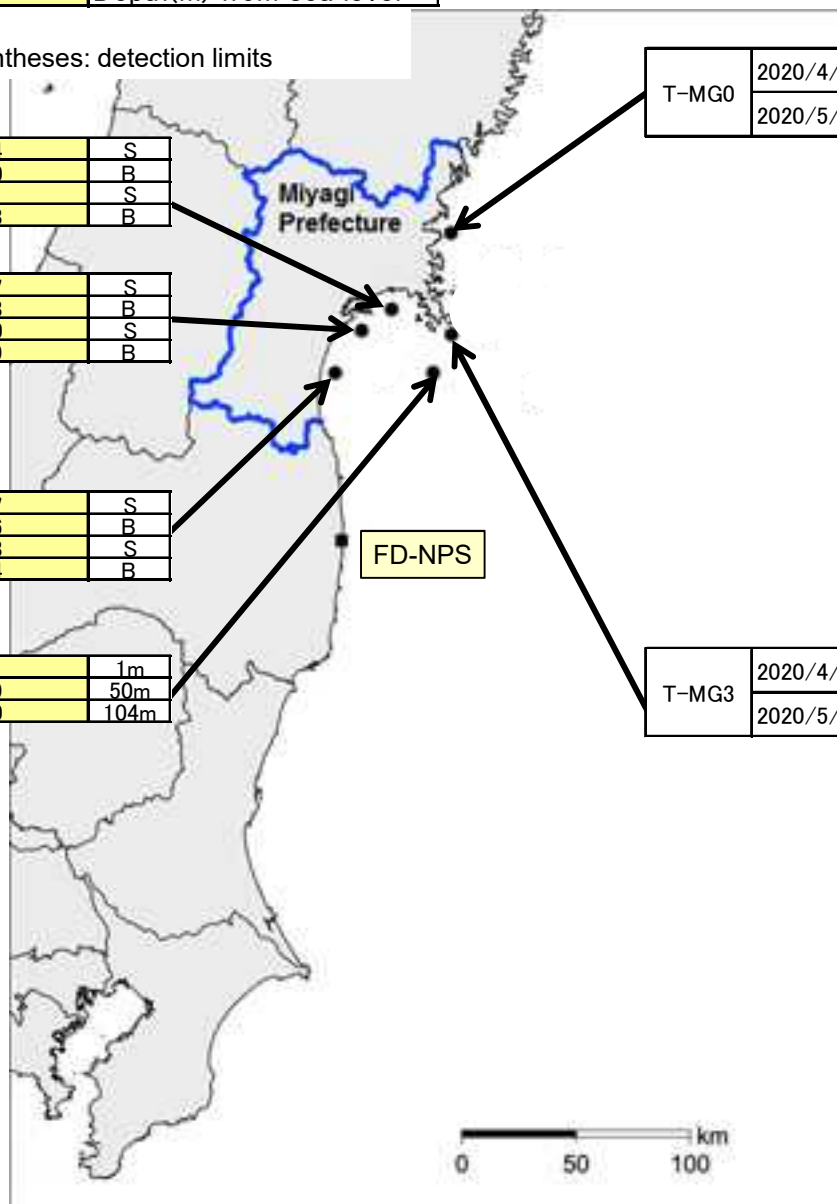
| Sampling point | Sampling Date | Cs-134 | Cs-137 | S/B |
|----------------|---------------|------------|--------|-----|
| T-MG4 | 2020/4/17 | ND(0.0014) | 0.0057 | S |
| | | ND(0.0014) | 0.0053 | B |
| | 2020/5/15 | ND(0.0013) | 0.0030 | S |
| | | ND(0.0014) | 0.0029 | B |

| Sampling point | Sampling Date | Cs-134 | Cs-137 | S/B |
|----------------|---------------|------------|--------|-----|
| T-MG6 | 2020/4/17 | ND(0.0014) | 0.0047 | S |
| | | ND(0.0014) | 0.0076 | B |
| | 2020/5/15 | ND(0.0014) | 0.0033 | S |
| | | ND(0.0013) | 0.0024 | B |

| Sampling point | Sampling Date | Cs-134 | Cs-137 | Depth(m) |
|----------------|---------------|--------------|--------|----------|
| M-B3 | 2020/1/10 | 0.000082 | 0.0021 | 1m |
| | | ND(0.000069) | 0.0019 | 50m |
| | | 0.000088 | 0.0020 | 104m |

| Sampling point | Sampling Date | Cs-134 | Cs-137 | S/B |
|----------------|---------------|------------|--------|-----|
| T-MG0 | 2020/4/24 | ND(0.0012) | 0.0019 | S |
| | | ND(0.0014) | 0.0018 | B |
| | 2020/5/15 | ND(0.0013) | 0.0016 | S |
| | | ND(0.0013) | 0.0020 | B |

| Sampling point | Sampling Date | Cs-134 | Cs-137 | S/B |
|----------------|---------------|------------|--------|-----|
| T-MG3 | 2020/4/24 | ND(0.0018) | 0.0017 | S |
| | | ND(0.0014) | 0.0019 | B |
| | 2020/5/12 | ND(0.0014) | 0.0021 | S |
| | | ND(0.0015) | 0.0017 | B |



Most recent radioactivity data of sea area along and off the coast of Ibaraki Pref. and Chiba Pref.

S:2m below sea level B:2-3m above sea bottom

