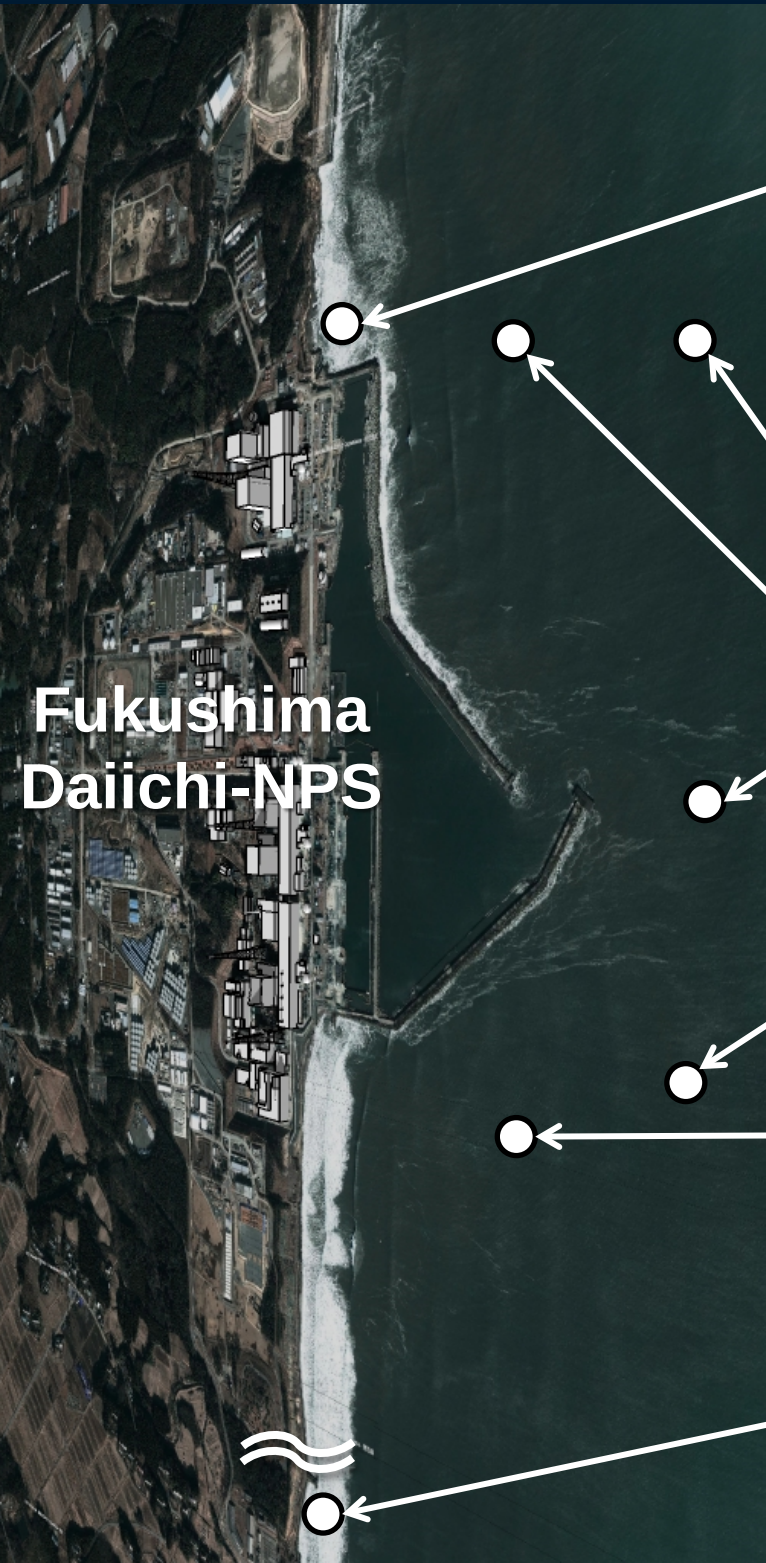


# Sea Area Monitoring

December 24, 2013 (corrected)

Nuclear Regulation Authority (NRA), Japan

# Sea area within 2km radius from the NPS



Fukushima  
Daiichi-NPS

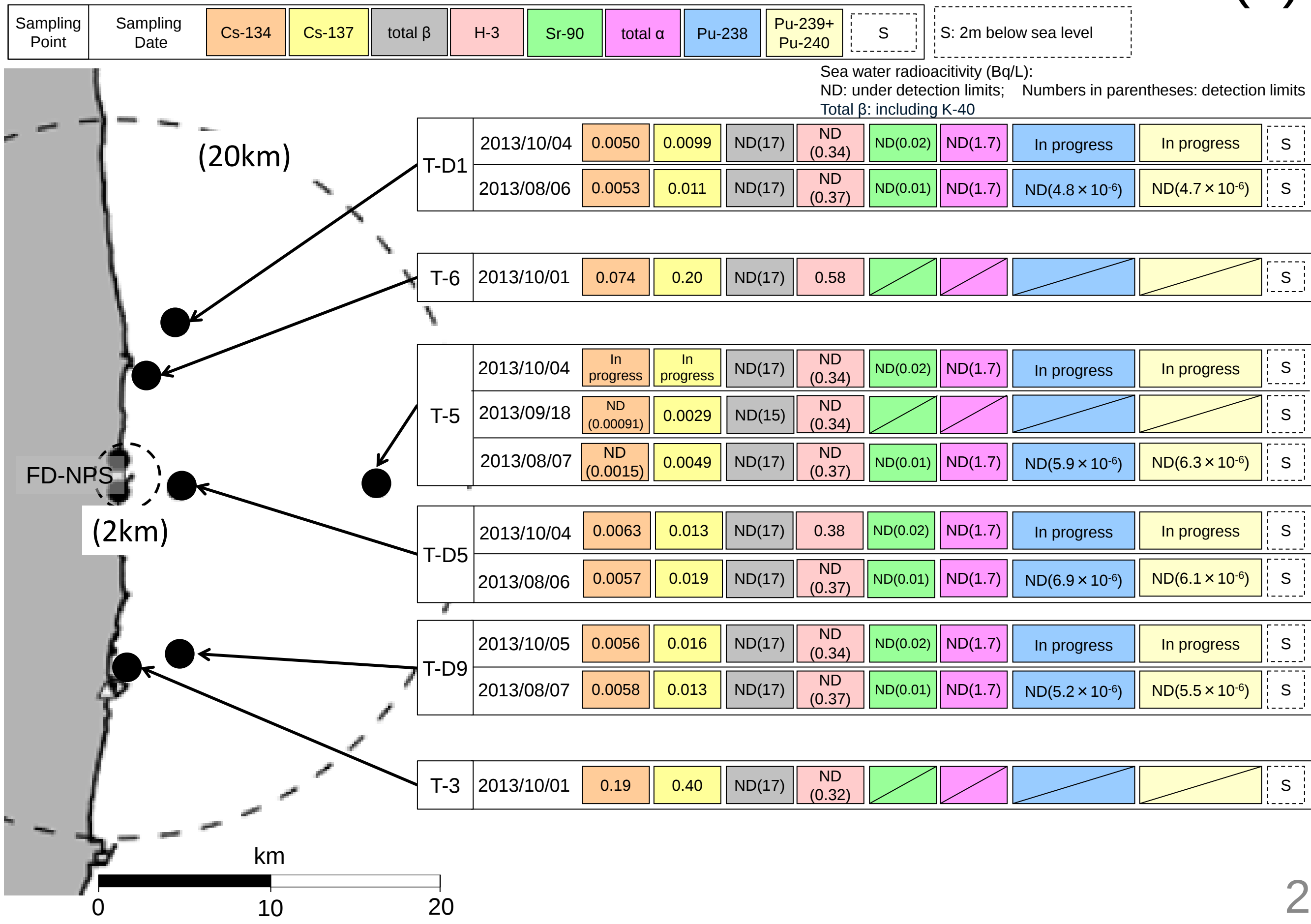
| Sampling Point | Sampling Date | Cs-134 | Cs-137 | total β | H-3 | Sr-90 | total α | Pu-238 | Pu-239+ Pu-240 |
|----------------|---------------|--------|--------|---------|-----|-------|---------|--------|----------------|
|----------------|---------------|--------|--------|---------|-----|-------|---------|--------|----------------|

Sea water radioactivity (Bq/L):  
ND: under detection limits; Numbers in parentheses: detection limits  
Total β: including K-40

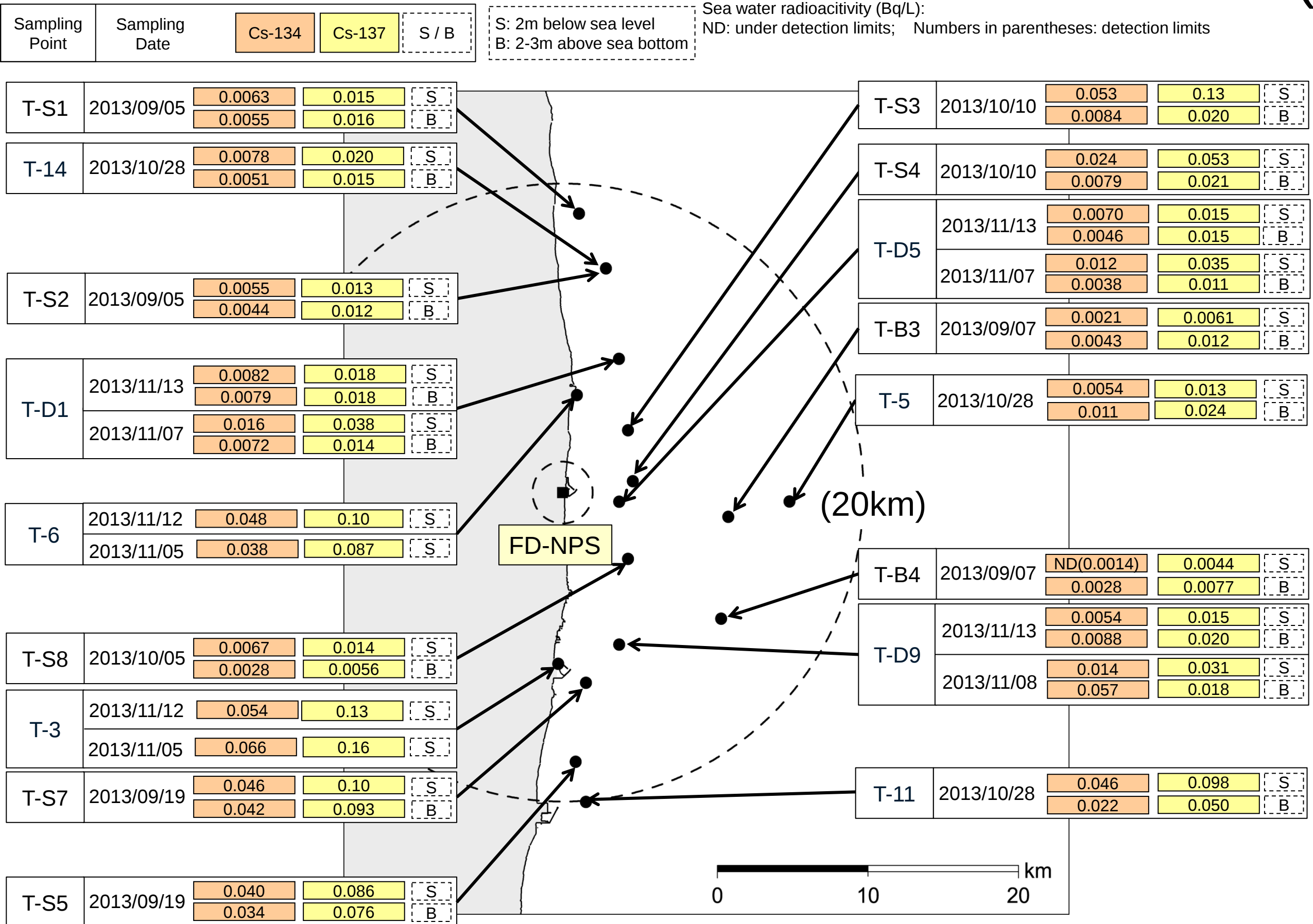
|        |            |          |          |        |         |             |         |                             |                                 |
|--------|------------|----------|----------|--------|---------|-------------|---------|-----------------------------|---------------------------------|
| T-1    | 2013/12/09 | ND(1.4)  | 1.8      | ND(15) | 5.1     |             |         |                             |                                 |
|        | 2013/09/23 | ND(1.2)  | ND(1.4)  | ND(17) | ND(1.8) | In progress | ND(2.6) |                             |                                 |
|        | 2013/08/12 | ND(1.2)  | 1.4      | ND(19) | 4.7     | 1.2         | ND(2.4) |                             |                                 |
|        | 2013/08/06 | ND(1.4)  | 1.7      |        |         |             |         | ND(6.6 × 10 <sup>-6</sup> ) | (7.5 ± 2.1) × 10 <sup>-6</sup>  |
| T-0-1A | 2013/12/03 | ND(0.70) | ND(0.69) | ND(15) | ND(1.8) |             |         |                             |                                 |
| T-0-1  | 2013/12/03 | ND(0.70) | ND(0.60) | ND(15) | ND(1.8) |             |         |                             |                                 |
| T-0-2  | 2013/12/03 | ND(0.77) | ND(0.58) | ND(15) | ND(1.8) |             |         |                             |                                 |
| T-0-3A | 2013/12/03 | ND(0.73) | ND(0.69) | ND(15) | ND(1.8) |             |         |                             |                                 |
| T-0-3  | 2013/12/03 | ND(0.62) | ND(0.63) | ND(15) | ND(1.8) |             |         |                             |                                 |
| T-2-1  | 2013/12/09 | ND(1.4)  | ND(1.3)  | ND(15) | ND(1.6) |             |         |                             |                                 |
|        | 2013/09/23 | ND(1.2)  | ND(1.4)  | ND(17) | ND(1.8) | In progress | ND(2.6) |                             |                                 |
|        | 2013/08/12 | ND(1.2)  | ND(1.4)  | ND(19) | ND(2.9) | 0.16        | ND(2.4) |                             |                                 |
|        | 2013/08/06 | ND(1.4)  | ND(1.3)  | ND(21) |         |             |         | ND(7.6 × 10 <sup>-6</sup> ) | (1.1 ± 0.29) × 10 <sup>-5</sup> |

0 0.5 1km

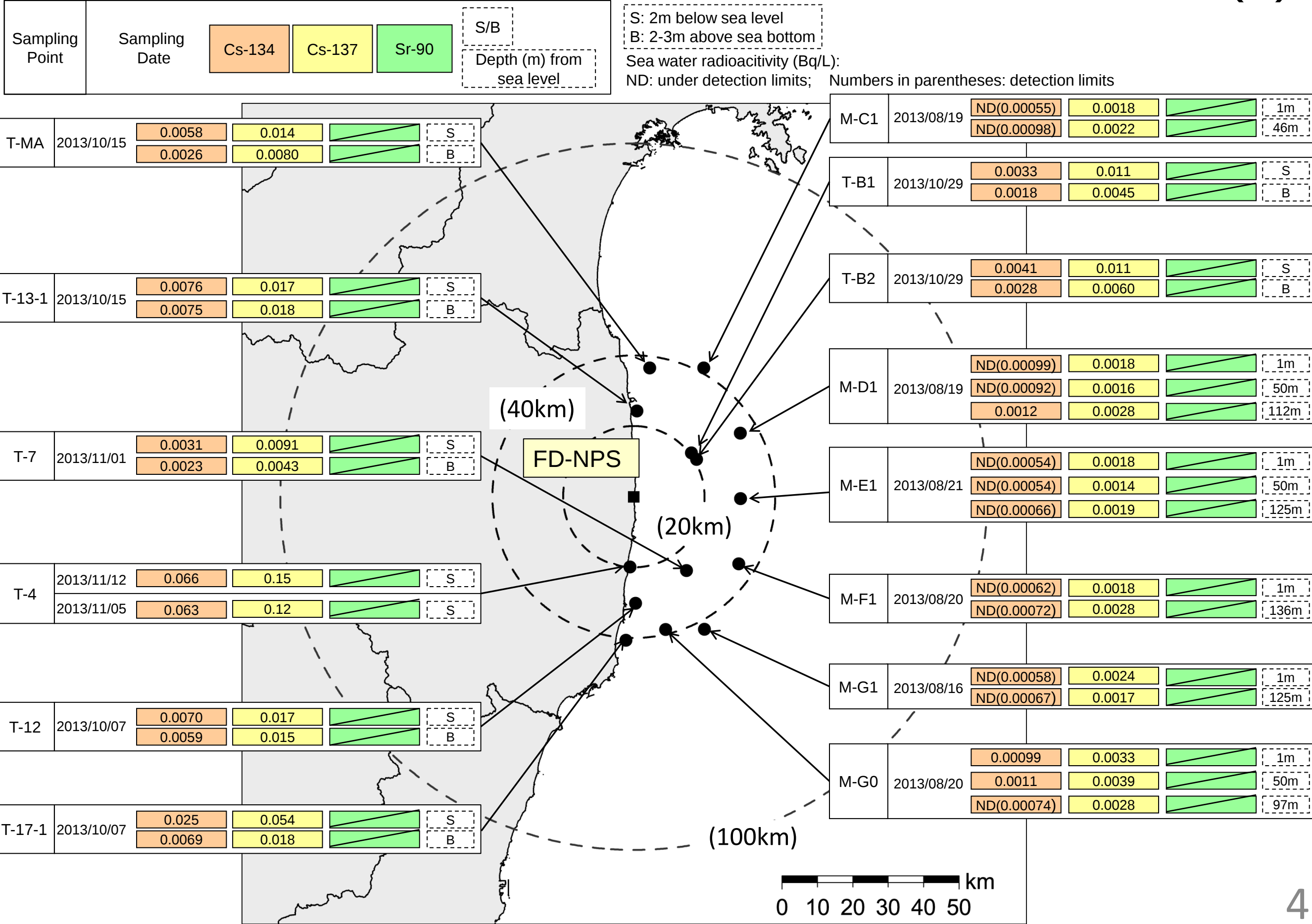
# Sea area between 2-20km radius from the NPS (1)



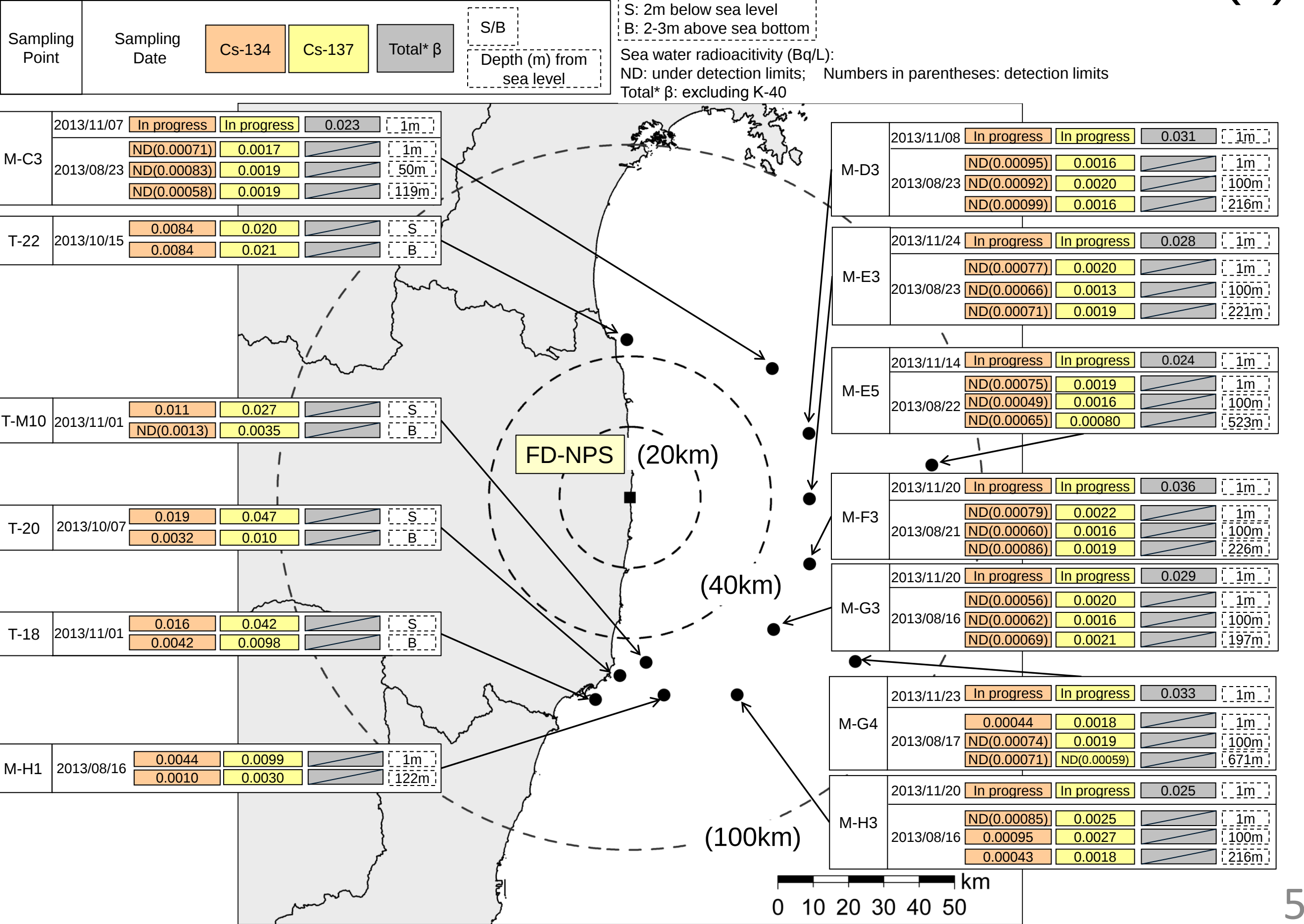
# Sea area between 2-20km radius from the NPS (2)



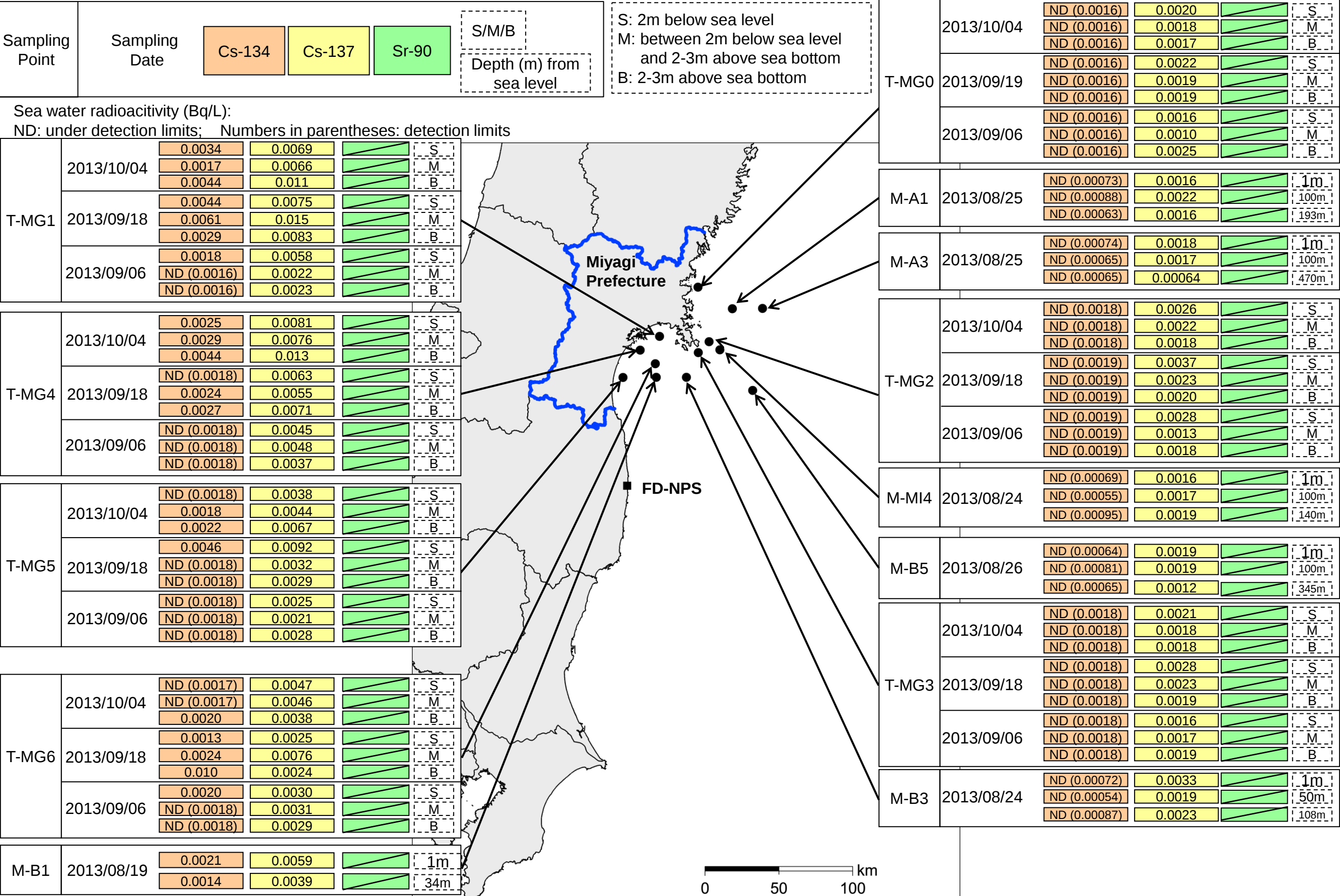
# Sea area between 20-100km radius from the NPS(1)



# Sea area between 20-100km radius from the NPS(2)



# Sea area along and off the coast of Miyagi Prefecture



Miyagi Prefecture

FD-NPS

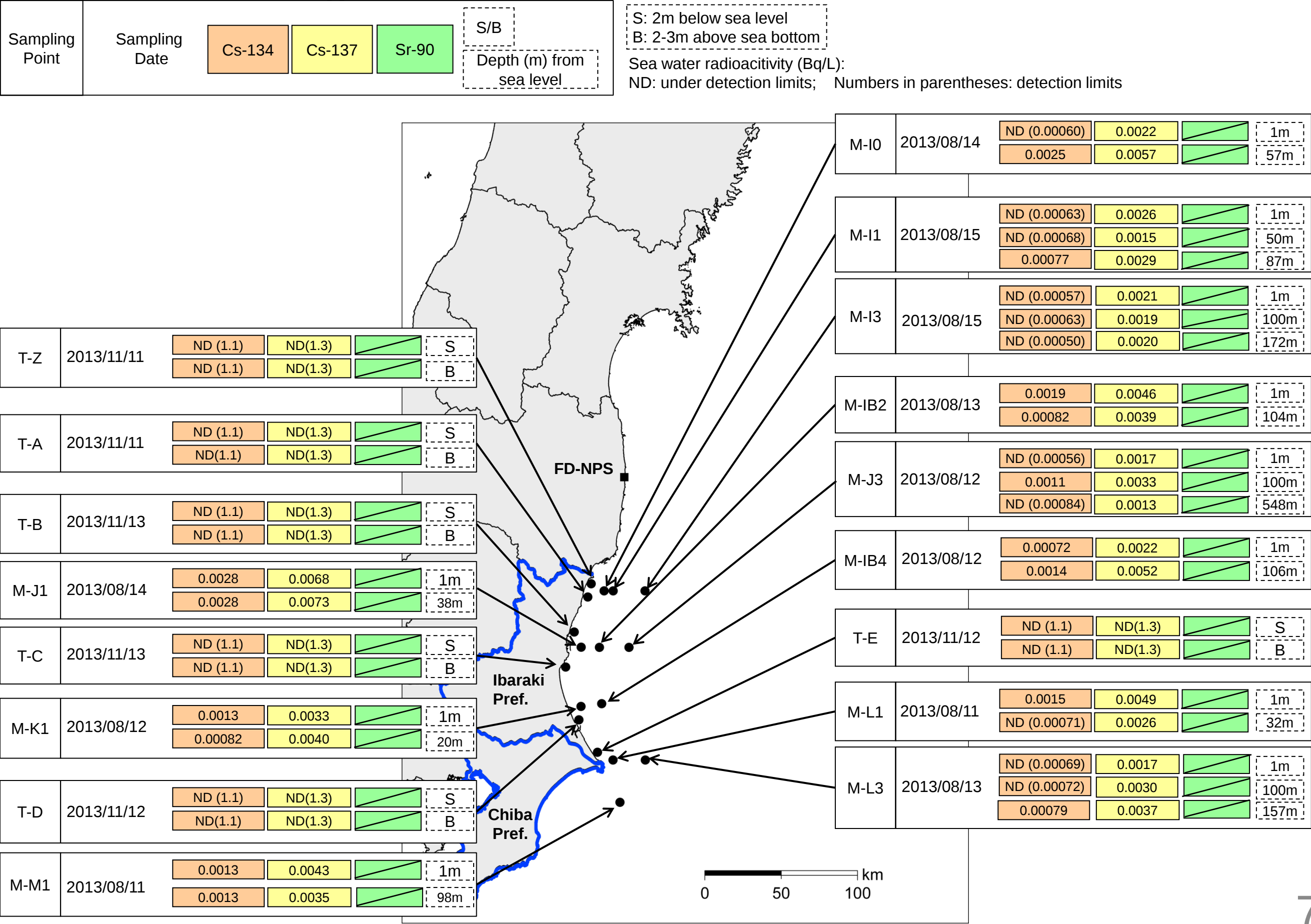
0

50

100

km

# Sea area along and off the coast of Ibaraki Pref. and Chiba Pref.



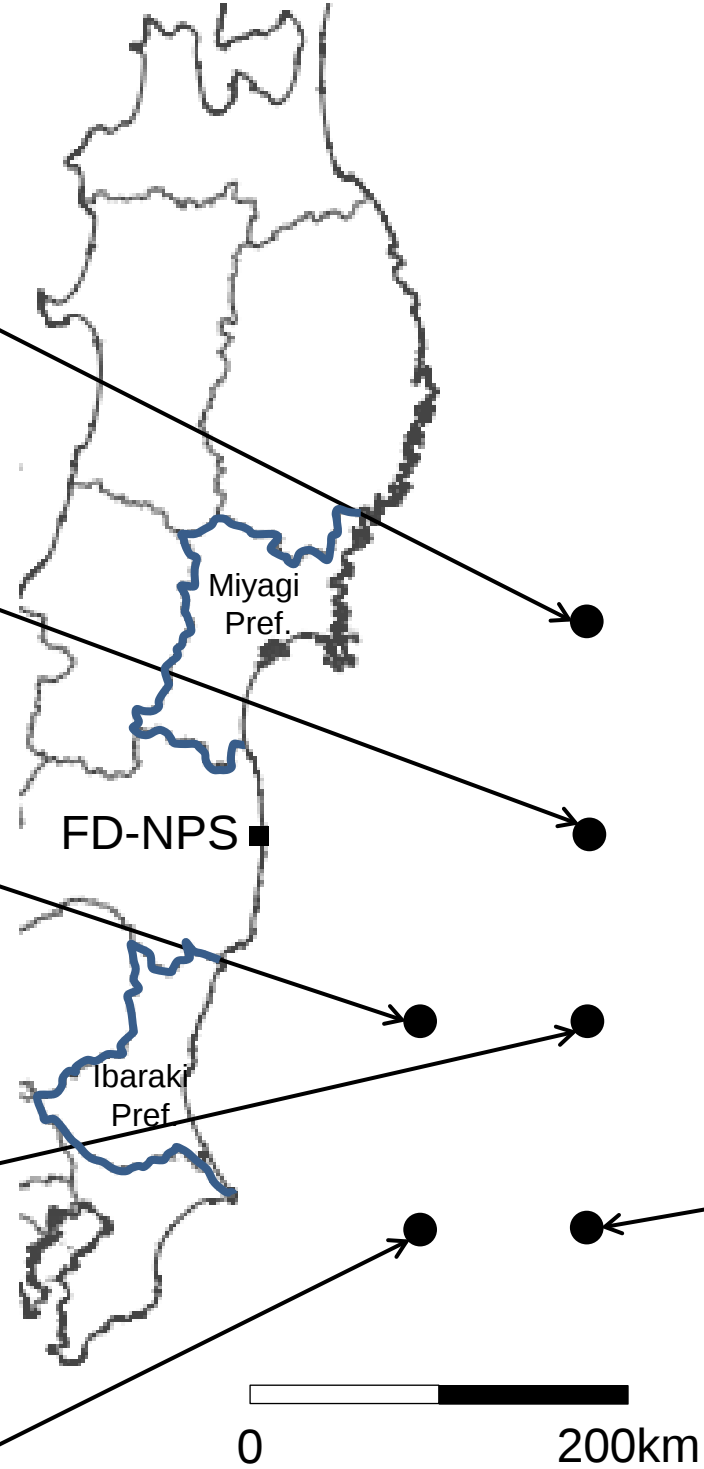
# Open sea off the coast of Eastern Japan

| Sampling Point | Sampling Date | Cs-134 | Cs-137 | Depth (m) from sea level |
|----------------|---------------|--------|--------|--------------------------|
|----------------|---------------|--------|--------|--------------------------|

Sea water radioactivity (Bq/L):

ND: under detection limits; Numbers in parentheses: detection limits

|      |            |              |         |      |
|------|------------|--------------|---------|------|
| M-10 | 2013/05/19 | 0.0011       | 0.0029  | 1m   |
|      |            | ND (0.00068) | 0.0021  | 100m |
|      |            | ND (0.00064) | 0.0022  | 200m |
|      |            | ND (0.00065) | 0.0019  | 300m |
|      |            | ND (0.00061) | 0.00091 | 500m |
| M-14 | 2013/05/18 | ND (0.00079) | 0.0026  | 1m   |
|      |            | ND (0.00074) | 0.0021  | 100m |
|      |            | ND (0.00074) | 0.0015  | 200m |
|      |            | ND (0.00066) | 0.0015  | 300m |
|      |            | ND (0.00068) | 0.00090 | 500m |
| M-19 | 2013/05/17 | 0.0010       | 0.0028  | 1m   |
|      |            | ND (0.00061) | 0.0014  | 100m |
|      |            | ND (0.00059) | 0.0017  | 200m |
|      |            | ND (0.00069) | 0.0014  | 300m |
|      |            | ND (0.00059) | 0.0010  | 500m |
| M-20 | 2013/05/18 | ND (0.00082) | 0.0025  | 1m   |
|      |            | ND (0.00095) | 0.0019  | 100m |
|      |            | ND (0.00092) | 0.0018  | 200m |
|      |            | ND (0.00096) | 0.0014  | 300m |
|      |            | ND (0.00084) | 0.00080 | 500m |
| M-25 | 2013/05/14 | ND (0.0010)  | 0.0016  | 1m   |
|      |            | ND (0.00092) | 0.0022  | 100m |
|      |            | 0.0020       | 0.0044  | 200m |
|      |            | ND (0.00094) | 0.0031  | 300m |
|      |            | ND (0.00087) | 0.0012  | 500m |



|      |            |              |         |      |
|------|------------|--------------|---------|------|
| M-11 | 2013/05/16 | ND (0.00096) | 0.0025  | 1m   |
|      |            | ND (0.00095) | 0.0023  | 100m |
|      |            | 0.0010       | 0.0018  | 200m |
|      |            | ND (0.00092) | 0.00095 | 300m |
|      |            | ND (0.00097) | 0.00068 | 500m |
| M-15 | 2013/05/16 | ND (0.00095) | 0.0023  | 1m   |
|      |            | ND (0.00088) | 0.0018  | 100m |
|      |            | ND (0.00097) | 0.0020  | 200m |
|      |            | ND (0.00096) | 0.0016  | 300m |
|      |            | ND (0.00085) | 0.00084 | 500m |
| M-21 | 2013/05/15 | ND (0.00068) | 0.0019  | 1m   |
|      |            | ND (0.00069) | 0.0026  | 100m |
|      |            | 0.0026       | 0.0056  | 200m |
|      |            | 0.0013       | 0.0043  | 300m |
|      |            | ND (0.00064) | 0.0015  | 500m |
| M-26 | 2013/05/14 | ND (0.00069) | 0.0020  | 1m   |
|      |            | ND (0.00065) | 0.0025  | 100m |
|      |            | 0.0011       | 0.0036  | 200m |
|      |            | 0.0011       | 0.0034  | 300m |
|      |            | ND (0.00085) | 0.0015  | 500m |
| M-27 | 2013/05/15 | ND (0.00094) | 0.0022  | 1m   |
|      |            | ND (0.00096) | 0.0030  | 100m |
|      |            | 0.0012       | 0.0044  | 200m |
|      |            | ND (0.0010)  | 0.0027  | 300m |
|      |            | ND (0.00089) | 0.0021  | 500m |