

(News Release)

The Results of Radioactive Material Monitoring of the Surface Water Bodies  
within Tokyo, Saitama, and Chiba Prefectures  
(October-November Samples)

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In accordance with the Comprehensive Radiation Monitoring Plan determined by the Monitoring Coordination Meeting, the Ministry of the Environment (MOE) is continuing to monitor radioactive materials in water environments (surface water bodies (rivers, lakes and headwaters, and coasts), etc.).

Samples taken from the surface water bodies of Tokyo, Saitama, and Chiba Prefectures during the period of October 1-November 26, 2013 have been measured as part of MOE's efforts to monitor radioactive materials; the results have recently been compiled and are released here.

The monitoring results of radioactive materials in surface water bodies carried out to date can be found at the following web page: <http://www.env.go.jp/jishin/rmp.html#monitoring>

1. Survey Overview

(1) Survey Locations

67 environmental reference points, etc. in the surface water bodies within Tokyo, Saitama, and Chiba Prefectures

(Rivers: 51 locations, Lakes and headwaters: 8, Coasts: 8 locations)

(2) Survey Method

- Measurement of concentrations of radioactive materials (radioactive cesium (Cs-134 and Cs-137)) in water and sediment
- Measurement of concentrations of radioactive materials and spatial dose-rate in soil in the surrounding environment of water and sediment sample collection points (river terraces, etc.)

2. Outline of Results (\* denotes the results of the previous survey (June-September 2013))

(1) Water Quality (Lower detection limit: 1Bq/L)

Cs-134+Cs-137: Not detectable (ND) at any location (\*ND at any location)

<Reference>

Specification and Standards for Food, Food Additives, etc. in accordance with the Food Sanitation Act (Drinking Water) (Ministry of Health, Labour and Welfare Public Notice No.130, March 15, 2012)

Radioactive cesium (total for Cs-134+Cs-137): 10Bq/kg

Target value for radioactive materials in tap water (management target for water supply facilities) (March 5, 2012; 0305 Notice No.1 from the Director of the Water Supply Division, Health Service Bureau, Ministry of Health, Labour and Welfare)

Radioactive cesium (total for Cs-134+Cs-137): 10Bq/kg

(2) Sediment (Lower detection limit: 10Bq/kg (dried mud))

Overall, the levels of rivers and lakes/headwaters are around 1,500Bq/kg or below at most of the

locations, while those of coasts are 500Bq/kg or below at most of the locations. The levels generally have declined or remained constant at most of the locations.

(Rivers)

Cs-134 + Cs-137: ND-5,400Bq/kg (dried mud) (\*19-7,600Bq/kg (dried mud))

(Lakes)

Cs-134 + Cs-137: 266-4,400Bq/kg (dried mud) (\*195-3,800Bq/kg (dried mud))

(Coasts)

Cs-134 + Cs-137: ND-580Bq/kg (dried mud) (\*ND-580Bq/kg (dried mud))

<Reference> Number of locations by radioactive cesium concentration (500Bq/kg)  
Numbers in ( ) denote results measured on the previous occasion.

|                      | 500 or below | 501 -1,000 | 1,001 -1,500 | 1,501 -2,000 | 2,001 -2,500 | 2,501 -3,000 | 3,001 or more | Total      |
|----------------------|--------------|------------|--------------|--------------|--------------|--------------|---------------|------------|
| Rivers               | 32<br>(27)   | 9<br>(10)  | 5<br>(5)     | 4<br>(7)     | 1<br>(2)     | 2<br>(2)     | 2<br>(6)      | 55<br>(59) |
| Lakes and headwaters | 1<br>(6)     | 5<br>(0)   | 1<br>(1)     | 0<br>(0)     | 0<br>(0)     | 0<br>(0)     | 1<br>(1)      | 8<br>(8)   |
| Coasts               | 10<br>(12)   | 1<br>(2)   | -            | -            | -            | -            | -             | 11<br>(14) |

(3) Surrounding Environment (Lower detection limit: 10Bq/kg (dry))

(Rivers)

Cs-134 + Cs-137: 53-4,100Bq/kg (dry) (\*62-3,700Bq/kg (dry))

Spatial dose: 0.05-0.20µSv/h

(Lakes)

Cs-134 + Cs-137: 690-6,100Bq/kg (dry) (\*570-2,220Bq/kg (dry))

Spatial dose: 0.10-0.16µSv/h

(Annex for details)

(Map attached)

#### Future Plans

MOE intends to continue to measure radioactive materials in water, sediment, etc. in rivers, lakes, etc. since concentrations of radioactive materials seem to show fluctuations, depending on locations, due to minor differences in sampling points or properties of samples of each survey.

ORiver: Water Quality Monitoring Results

(Annex)

| No. | Sampling point                 |                                        |                                               |                                          | Sampling date                     | Weather    | Full depth (m) | General items     |                                |           |           |                    | Radioactive material concentrations (Bq/L) |    | Remarks |  |
|-----|--------------------------------|----------------------------------------|-----------------------------------------------|------------------------------------------|-----------------------------------|------------|----------------|-------------------|--------------------------------|-----------|-----------|--------------------|--------------------------------------------|----|---------|--|
|     | Water body                     | Point                                  | Municipality                                  | Sampling depth (m)                       |                                   |            |                | Transparency (cm) | Electrical conductivity (mS/m) | SS (mg/L) | Turbidity | Radioactive cesium |                                            |    |         |  |
|     |                                |                                        |                                               |                                          |                                   |            |                |                   |                                |           |           | Cs-134             | Cs-137                                     |    |         |  |
| 1   | Tonegawa River System          | Shogengawa River                       | Fukamaohashi Bridge                           | Inzaishi City/Sakaemachi Town            | 2013/11/11                        | Cloudy     | 2.0            | 0.0               | 37                             | 26        | 10        | 9                  | <1                                         | <1 |         |  |
| 2   |                                |                                        | Shinbeibashi Bridge                           |                                          |                                   | 2013/11/11 | Cloudy         | 1.6               | 0.0                            | 27        | 24        | 17                 | 13                                         | <1 | <1      |  |
| 3   |                                |                                        | Intake at Maeshinden Water Purification Plant |                                          |                                   | 2013/11/11 | Sunny          | 1.5               | 0.0                            | 24        | 21        | 21                 | 13                                         | <1 | <1      |  |
| 4   |                                |                                        | Nagatogawa River                              | Nagatobashi Bridge                       |                                   | 2013/11/11 | Cloudy         | 0.2               | 0.0                            | 32        | 22        | 16                 | 11                                         | <1 | <1      |  |
| 5   |                                |                                        |                                               | Fujimbashi Bridge                        | Sakaemachi Town                   | 2013/11/12 | Cloudy         | 1.1               | 0.0                            | 33        | 23        | 15                 | 7                                          | <1 | <1      |  |
| 6   |                                |                                        | Ryudaigawa River                              | Ryumatsunohashi Bridge                   | Naritashi City/Sakaemachi Town    | 2013/11/12 | Cloudy         | 0.1               | 0.0                            | 63        | 97        | 10                 | 9                                          | <1 | <1      |  |
| 7   |                                |                                        | Nekonagawa River                              | Shinkawa Floodgate                       | Naritashi City                    | 2013/11/12 | Cloudy         | 0.6               | 0.0                            | 63        | 142       | 2                  | 3                                          | <1 | <1      |  |
| 8   | Feeder Rivers of Teganuma Lake | Ohorigawa River                        | Kitakashiwabashi Bridge                       | Kashiwashi City                          | 2013/11/15                        | Light rain | 0.4            | 0.0               | 73                             | 32        | 2         | 3                  | <1                                         | <1 |         |  |
| 9   |                                |                                        | Otsugawa River                                | Sannobashi Bridge, under                 | Kamagayashi City                  | 2013/11/14 | Sunny          | 0.3               | 0.0                            | 68        | 39        | 7                  | 2                                          | <1 | <1      |  |
| 10  |                                |                                        |                                               | Kaminumabashi Bridge                     | Kashiwashi City                   | 2013/11/15 | Cloudy         | 0.3               | 0.0                            | 82        | 48        | 2                  | 2                                          | <1 | <1      |  |
| 11  |                                |                                        | Someirotoshi                                  | Someishinbashi Bridge                    |                                   | 2013/11/18 | Sunny          | 0.4               | 0.0                            | >100      | 42        | 3                  | 2                                          | <1 | <1      |  |
| 12  |                                |                                        | Kanayamaotoshi                                | Downstream of Karuizawasakaibashi Bridge | Kamagayashi City/Usuishi City     | 2013/11/15 | Cloudy         | 0.1               | 0.0                            | >100      | 42        | 2                  | 2                                          | <1 | <1      |  |
| 13  |                                |                                        |                                               | Nauchibashi Bridge                       | Usuishi City                      | 2013/11/21 | Sunny          | 0.4               | 0.0                            | >100      | 36        | 1                  | 1                                          | <1 | <1      |  |
| 14  |                                |                                        | Kamenarigawa River                            | Kamenaribashi Bridge                     | Inzaishi City                     | 2013/11/14 | Sunny          | 0.6               | 0.0                            | >100      | 31        | 2                  | 1                                          | <1 | <1      |  |
| 15  | Feeder Rivers of Inbanuma Lake | Igusasuiri Channel                     | Downstream of Igusasuiri Channel              | Kamagayashi City/Ichikawashi City        | 2013/11/21                        | Sunny      | 0.0            | 0.0               | 68                             | 35        | 4         | 5                  | <1                                         | <1 |         |  |
| 16  |                                |                                        | Futaogawa River                               | Tomigayabashi Bridge                     | Funabashishi City/Usuishi City    | 2013/11/21 | Sunny          | 0.2               | 0.0                            | >100      | 37        | 1                  | 2                                          | <1 | <1      |  |
| 17  |                                |                                        | Kanzakigawa River                             | Kanzakibashi Bridge                      | Yachiyoshi City/Inzaishi City     | 2013/11/14 | Sunny          | 1.4               | 0.0                            | 44        | 35        | 4                  | 6                                          | <1 | <1      |  |
| 18  |                                |                                        | Kannogawa River                               | Kannobashi Bridge                        |                                   | 2013/11/14 | Cloudy         | 0.6               | 0.0                            | >100      | 44        | 2                  | 4                                          | <1 | <1      |  |
| 19  |                                |                                        | Inba Discharge Channel (upper reaches)        | Yachiyobashi Bridge                      | Yachiyoshi City                   | 2013/11/14 | Sunny          | 3.1               | 0.0                            | 37        | 34        | 16                 | 10                                         | <1 | <1      |  |
| 20  |                                |                                        | Tegurigawa River                              | Mumeibashi Bridge                        | Sakurashi City                    | 2013/11/13 | Sunny          | 0.5               | 0.0                            | >100      | 35        | <1                 | 1                                          | <1 | <1      |  |
| 21  |                                |                                        | Morotogawa River                              | Morotobashi Bridge                       | Inzaishi City                     | 2013/11/13 | Sunny          | 1.0               | 0.0                            | 92        | 26        | 1                  | 2                                          | <1 | <1      |  |
| 22  |                                |                                        | Kashimogawa River                             | Iwatombashi Bridge                       |                                   | 2013/11/13 | Sunny          | 0.7               | 0.0                            | >100      | 30        | <1                 | 2                                          | <1 | <1      |  |
| 23  |                                |                                        | Takasakigawa River                            | Ryutobashi Bridge                        | Sakurashi City                    | 2013/11/13 | Sunny          | 0.7               | 0.0                            | 90        | 35        | 2                  | 3                                          | <1 | <1      |  |
| 24  |                                |                                        | Kashimogawa River                             | Kashimabashi Bridge                      |                                   | 2013/11/13 | Sunny          | 2.4               | 0.0                            | >100      | 35        | 1                  | 2                                          | <1 | <1      |  |
| 25  |                                |                                        | Inbasuiri Channel                             | Tsurumakibashi Bridge                    | Inzaishi City                     | 2013/11/12 | Cloudy         | 2.7               | 0.0                            | 36        | 28        | 14                 | 8                                          | <1 | <1      |  |
| 26  |                                |                                        | Toneunga Canal                                | Ungabashi Bridge                         | Nagareyamashi City/Nodashi City   | 2013/11/19 | Sunny          | 0.2               | 0.0                            | 36        | 48        | 7                  | 3                                          | <1 | <1      |  |
| 27  |                                |                                        | Edogawa River                                 | Nagareyamabashi Bridge                   | Nagareyamashi City/Misatoshi City | 2013/11/19 | Sunny          | 0.2               | 0.0                            | >100      | 25        | 3                  | 3                                          | <1 | <1      |  |
| 28  |                                |                                        | Sakagawa River                                | Bentenbashi Bridge                       |                                   | 2013/11/19 | Sunny          | 2.3               | 0.0                            | 60        | 36        | 4                  | 5                                          | <1 | <1      |  |
| 29  |                                | Shinsakagawa River                     | Sakanebashi Bridge                            | Matsudoshi City                          | 2013/11/19                        | Sunny      | 0.7            | 0.0               | 94                             | 32        | 4         | 3                  | <1                                         | <1 |         |  |
| 30  | Edogawa River                  |                                        | Shinkatsushikabashi Bridge                    | Matsudoshi City/Katsushika City          | 2013/11/20                        | Sunny      | 0.6            | 0.0               | 55                             | 25        | 4         | 5                  | <1                                         | <1 |         |  |
| 31  |                                |                                        | Ichikawabashi Bridge                          |                                          | 2013/11/20                        | Sunny      | 1.9            | 0.0               | 49                             | 32        | 25        | 5                  | <1                                         | <1 |         |  |
| 32  |                                |                                        |                                               | Vicinity of Keiyo Road                   | Ichikawashi City/Edogawa City     | 2013/11/25 | Cloudy         | 3.9               | 0.0                            | 88        | 28        | 4                  | 2                                          | <1 | <1      |  |
| 33  |                                |                                        |                                               | Gyotoku Movable Weir (Upper Reaches)     | Ichikawashi City                  | 2013/10/9  | Cloudy         | 4.5               | 0.0                            | 51        | 28        | 8                  | 5                                          | <1 | <1      |  |
| 34  |                                |                                        |                                               |                                          |                                   | 2013/11/25 | Cloudy         | 3.9               | 0.0                            | 82        | 30        | 4                  | 3                                          | <1 | <1      |  |
| 35  |                                |                                        |                                               | Shingyotokubashi Bridge                  |                                   | 2013/11/20 | Sunny          | 0.3               | 0.0                            | >100      | 4,200     | 3                  | 2                                          | <1 | <1      |  |
| 36  |                                |                                        |                                               | Edogawa Floodgate, down                  |                                   | 2013/11/25 | Cloudy         | 6.3               | 0.0                            | >100      | 654       | 2                  | 1                                          | <1 | <1      |  |
| 37  |                                |                                        | Kyuedogawa River                              | 8 km Point to the estuary                | Ichikawashi City/Edogawa City     | 2013/11/25 | Cloudy         | 5.7               | 0.0                            | >100      | 582       | 2                  | 2                                          | <1 | <1      |  |
| 38  |                                |                                        |                                               | Imabashi Bridge                          |                                   | 2013/11/25 | Cloudy         | 5.5               | 0.0                            | >100      | 567       | 2                  | 2                                          | <1 | <1      |  |
| 39  |                                |                                        |                                               | Urayasubashi Bridge                      | Urayasushi City/Edogawa City      | 2013/10/9  | Cloudy         | 1.9               | 0.0                            | 61        | 412       | 8                  | 4                                          | <1 | <1      |  |
| 40  |                                | Mamagawa River                         | Nemoto Floodgate                              |                                          | 2013/11/8                         | Sunny      | 0.5            | 0.0               | 48                             | 1,097     | 4         | 3                  | <1                                         | <1 |         |  |
| 41  |                                | Kokubugawa River                       | Suwadabashi Bridge                            | Ichikawashi City                         | 2013/11/8                         | Sunny      | 0.4            | 0.0               | 47                             | 46        | 9         | 4                  | <1                                         | <1 |         |  |
| 42  |                                | Harukigawa River                       | Before the confluence with Kokubugawa River   |                                          | 2013/11/8                         | Sunny      | 0.2            | 0.0               | 67                             | 61        | 6         | 5                  | <1                                         | <1 |         |  |
| 43  |                                | Hasen-okashiwagawa River               | Downstream of Nakazawashinbashi Bridge        | Kamagayashi City/Ichikawashi City        | 2013/11/8                         | Sunny      | 0.8            | 0.0               | 89                             | 45        | 3         | 3                  | <1                                         | <1 |         |  |
| 44  |                                | Okashiwagawa River                     | Sengenbashi Bridge                            |                                          | 2013/11/8                         | Sunny      | 1.7            | 0.0               | >100                           | 53        | 2         | 3                  | <1                                         | <1 |         |  |
| 45  |                                | Mamagawa River                         | Mitomaebashi Bridge                           | Ichikawashi City                         | 2013/10/9                         | Cloudy     | 3.0            | 0.0               | 68                             | 297       | 5         | 4                  | <1                                         | <1 |         |  |
| 46  |                                |                                        |                                               |                                          | 2013/11/5                         | Sunny      | 3.0            | 0.0               | 64                             | 880       | 4         | 4                  | <1                                         | <1 |         |  |
| 47  |                                | Ebigawa River                          | Yachiyobashi Bridge                           | Funabashishi City                        | 2013/11/5                         | Sunny      | 1.8            | 0.0               | 94                             | 588       | 3         | 2                  | <1                                         | <1 |         |  |
| 48  |                                | Inba Discharge Channel (lower reaches) | Shinhanamigawabashi Bridge                    | Chibashi City                            | 2013/10/9                         | Cloudy     | 2.9            | 0.0               | 72                             | 3,060     | 6         | 3                  | <1                                         | <1 |         |  |
| 49  |                                |                                        |                                               |                                          | 2013/11/5                         | Sunny      | 2.8            | 0.0               | 59                             | 1,119     | 6         | 4                  | <1                                         | <1 |         |  |
| 50  |                                | Miyakogawa River                       | Miyakobashi Bridge                            |                                          | 2013/11/5                         | Sunny      | 2.4            | 0.0               | >100                           | 835       | 2         | 3                  | <1                                         | <1 |         |  |
| 51  |                                | Arakawa River Middle Reaches           | Onaribashi Bridge                             | Konosushi City                           | 2013/11/22                        | Sunny      | 2.2            | 0.0               | >100                           | 23        | 3         | 2                  | <1                                         | <1 |         |  |
| 52  |                                | Arakawa River Lower Reaches            | Sasamehashi Bridge                            | Todashi City/Wakoshi City/Itabashi City  | 2013/11/22                        | Sunny      | 0.6            | 0.0               | 63                             | 47        | 3         | 2                  | <1                                         | <1 |         |  |
| 53  |                                |                                        | Kasabashi Bridge                              | Koto City/Edogawa City                   | 2013/11/26                        | Sunny      | 2.4            | 0.0               | 82                             | 1,950     | 5         | 3                  | <1                                         | <1 |         |  |
| 54  |                                | Sumidagawa River                       | Ryogokubashi Bridge                           | Chuo City/Sumida City                    | 2013/11/26                        | Sunny      | 2.8            | 0.0               | 55                             | 1,896     | 5         | 4                  | <1                                         | <1 |         |  |

\* Sampling points are listed from north to south.

\* Radioactive materials concentrations contain some measurement errors but are not noted here.

ORiver: Sediment Monitoring Results

| No. | Sampling point                 |                                        |                                             | Sampling date                                 | Weather                        | Full depth (m) | General items           |                    |           | Concentration of radioactive material [Bq/kg (dried mud)] |        |           | Remarks |       |       |     |
|-----|--------------------------------|----------------------------------------|---------------------------------------------|-----------------------------------------------|--------------------------------|----------------|-------------------------|--------------------|-----------|-----------------------------------------------------------|--------|-----------|---------|-------|-------|-----|
|     | Water body                     | Point                                  | Municipality                                |                                               |                                |                | Mud sampling depth (cm) | Mud content %      | Property  | Radioactive cesium                                        |        |           |         |       |       |     |
|     |                                |                                        |                                             |                                               |                                |                |                         |                    |           | Cs-134                                                    | Cs-137 | Total     |         |       |       |     |
| 1   | Tonogawa River System          | Fukamaobashi Bridge                    | Inzaishi City/Sakaemachi Town               | 2013/11/11                                    | Cloudy                         | 2.0            | 8                       | 39                 | Silt      | 540                                                       | 1,300  | 1,840     |         |       |       |     |
| 2   |                                | Shogengawa River                       |                                             | Shinbeibashi Bridge                           | 2013/11/11                     | Cloudy         | 1.6                     | 3                  | 81        | Sand/gravel                                               | 12     | 19        | 31      |       |       |     |
| 3   |                                |                                        |                                             | Intake at Maeshinden Water Purification Plant | 2013/11/11                     | Sunny          | 1.5                     | 5                  | 49        | Sand/silt                                                 | 100    | 220       | 320     |       |       |     |
| 4   |                                | Nagatogawa River                       |                                             | Nagatobashi Bridge                            | 2013/11/11                     | Cloudy         | 0.2                     | 3                  | 70        | Sand                                                      | 81     | 210       | 291     |       |       |     |
| 5   |                                |                                        |                                             | Fujimibashi Bridge                            | Sakaemachi Town                | 2013/11/12     | Cloudy                  | 1.1                | 3         | 49                                                        | Silt   | 110       | 230     | 340   |       |     |
| 6   |                                | Ryudaigawa River                       |                                             | Ryumatsunobashi Bridge                        | Naritashi City/Sakaemachi Town | 2013/11/12     | Cloudy                  | 0.1                | 3         | 82                                                        | Sand   | 15        | 34      | 49    |       |     |
| 7   |                                | Nekonagawa River                       |                                             | Shinkawa Floodgate                            | Naritashi City                 | 2013/11/12     | Cloudy                  | 0.6                | 5         | 28                                                        | Silt   | 330       | 690     | 1,020 |       |     |
| 8   | Feeder Rivers of Teganuma Lake | Ohorigawa River                        | Kitakashiwabashi Bridge                     | 2013/11/15                                    | Light rain                     | 0.4            | 5                       | 71                 | Sand      | 760                                                       | 1,800  | 2,560     |         |       |       |     |
| 9   |                                | Otsugawa River                         | Sannobashi Bridge, under                    | Kamagayashi City                              | 2013/11/14                     | Sunny          | 0.3                     | 4                  | 72        | Sand/gravel                                               | 260    | 670       | 930     |       |       |     |
| 10  |                                |                                        | Kaminumabashi Bridge                        | Kashiwashi City                               | 2013/11/15                     | Cloudy         | 0.3                     | 5                  | 56        | Sand/silt                                                 | 1,600  | 3,800     | 5,400   |       |       |     |
| 11  |                                | Someiotoshi                            | Someishinbashi Bridge                       | Kashiwashi City                               | 2013/11/18                     | Sunny          | 0.4                     | 3                  | 67        | Sand                                                      | 380    | 930       | 1,310   |       |       |     |
| 12  |                                |                                        | Downstream of Karuzawasakaibashi Bridge     | Kamagayashi City/Usuishi City                 | 2013/11/15                     | Cloudy         | 0.1                     | 5                  | 82        | Sand/gravel                                               | 130    | 330       | 460     |       |       |     |
| 13  |                                | Kanayamotoshi                          | Nauchibashi Bridge                          | Usuishi City                                  | 2013/11/21                     | Sunny          | 0.4                     | 3                  | 76        | Sand                                                      | 220    | 530       | 750     |       |       |     |
| 14  |                                |                                        | Kamenarigawa River                          | Inzaishi City                                 | 2013/11/14                     | Sunny          | 0.6                     | 2                  | 76        | Sand                                                      | 42     | 120       | 162     |       |       |     |
| 15  | Feeder Rivers of Inbanuma Lake | Igusasuuro Channel                     | Downstream of Igusasuuro Channel            | Kamagayashi City/Ichikawashi City             | 2013/11/21                     | Sunny          | 0.0                     | 8                  | 81        | Sand/gravel                                               | 230    | 570       | 800     |       |       |     |
| 16  |                                | Futagawa River                         | Tomigayabashi Bridge                        | Funabashishi City/Usuishi City                | 2013/11/21                     | Sunny          | 0.2                     | 6                  | 78        | Sand                                                      | 240    | 520       | 760     |       |       |     |
| 17  |                                | Kanzakigawa River                      | Kanzakibashi Bridge                         | Yachiyoshi City/Inzaishi City                 | 2013/11/14                     | Sunny          | 1.4                     | 2                  | 69        | Sand                                                      | 200    | 480       | 680     |       |       |     |
| 18  |                                | Kannogawa River                        | Kannobashi Bridge                           | Yachiyoshi City                               | 2013/11/14                     | Cloudy         | 0.6                     | 5                  | 35        | Silt                                                      | 35     | 91        | 126     |       |       |     |
| 19  |                                | Inba Discharge Channel (upper reaches) | Yachiyoshi Bridge                           | Yachiyoshi City                               | 2013/11/14                     | Sunny          | 3.1                     | 5                  | 33        | Silt                                                      | 630    | 1,400     | 2,030   |       |       |     |
| 20  |                                | Tegurigawa River                       | Mumeibashi Bridge                           | Sakurashi City                                | 2013/11/13                     | Sunny          | 0.5                     | 3                  | 79        | Sand/gravel                                               | 380    | 900       | 1,280   |       |       |     |
| 21  |                                | Morotogawa River                       | Morotobashi Bridge                          | Inzaishi City                                 | 2013/11/13                     | Sunny          | 1.0                     | 3                  | 47        | Silt/sand                                                 | 220    | 590       | 810     |       |       |     |
| 22  |                                | Kashimagawa River                      | Iwatombashi Bridge                          |                                               | 2013/11/13                     | Sunny          | 0.7                     | 4                  | 75        | Sand                                                      | 55     | 150       | 205     |       |       |     |
| 23  |                                | Takasakigawa River                     | Ryutobashi Bridge                           | Sakurashi City                                | 2013/11/13                     | Sunny          | 0.7                     | 4                  | 76        | Sand                                                      | 46     | 97        | 143     |       |       |     |
| 24  |                                | Kashimagawa River                      | Kashimabashi Bridge                         |                                               | 2013/11/13                     | Sunny          | 2.4                     | 3                  | 34        | Silt                                                      | <10    | 12        | 12      |       |       |     |
| 25  | Edogawa River System           | Inbasuuro Channel                      | Tsurumakibashi Bridge                       | Inzaishi City                                 | 2013/11/12                     | Cloudy         | 2.7                     | 2                  | 80        | Sand/gravel                                               | 40     | 110       | 150     |       |       |     |
| 26  |                                | Toneunga Canal                         | Ungabashi Bridge                            | Nagareyamashi City/Nodashi City               | 2013/11/19                     | Sunny          | 0.2                     | 2                  | 56        | Sand/silt                                                 | 600    | 1,400     | 2,000   |       |       |     |
| 27  |                                | Edogawa River                          | Nagareyamabashi Bridge                      | Nagareyamashi City/Misatoshi City             | 2013/11/19                     | Sunny          | 0.2                     | 3                  | 62        | Sand                                                      | 98     | 250       | 348     |       |       |     |
| 28  |                                | Sakagawa River                         | Bentenbashi Bridge                          | Matsudoshi City                               | 2013/11/19                     | Sunny          | 2.3                     | 3                  | 65        | Sand/silt                                                 | 830    | 1,900     | 2,730   |       |       |     |
| 29  |                                | Shinsakagawa River                     | Sakanebashi Bridge                          |                                               | 2013/11/19                     | Sunny          | 0.7                     | 2                  | 74        | Sand/gravel                                               | 520    | 1,300     | 1,820   |       |       |     |
| 30  |                                |                                        | Shinkatsushikabashi Bridge                  | Matsudoshi City/Katsushika City               | 2013/11/20                     | Sunny          | 0.6                     | 4                  | 39        | Silt                                                      | 340    | 810       | 1,150   |       |       |     |
| 31  |                                |                                        | Ichikawabashi Bridge                        | Ichikawashi City/Edogawa City                 | 2013/11/20                     | Sunny          | 1.9                     | 2                  | 78        | Sand                                                      | 70     | 180       | 250     |       |       |     |
| 32  |                                | Edogawa River                          | Vicinity of Keiyo Road                      |                                               | 2013/11/25                     | Cloudy         | 3.9                     | 3                  | 73        | Sand                                                      | 55     | 120       | 175     |       |       |     |
| 33  |                                |                                        | Gyotoku Movable Weir (Upper Reaches)        | Ichikawashi City                              | 2013/10/9                      | Cloudy         | 4.5                     | 5                  | 31        | Silt/sand                                                 | 320    | 700       | 1,020   |       |       |     |
| 34  |                                |                                        | Shingyotokubashi Bridge                     |                                               | 2013/11/25                     | Cloudy         | 3.9                     | 4                  | 62        | Sand/silt                                                 | 140    | 280       | 420     |       |       |     |
| 35  |                                |                                        | Edogawa Floodgate, down                     |                                               | 2013/11/25                     | Cloudy         | 6.3                     | 2                  | 75        | Sand                                                      | 13     | 43        | 56      |       |       |     |
| 36  |                                |                                        | 8 km Point to the estuary                   | Ichikawashi City/Edogawa City                 | 2013/11/25                     | Cloudy         | 5.7                     | 2                  | 42        | Clay/sand                                                 | 39     | 73        | 112     |       |       |     |
| 37  |                                | Kyuwedogawa River                      | Imaibashi Bridge                            |                                               | 2013/11/25                     | Cloudy         | 5.5                     | 2                  | 67        | Sand                                                      | 14     | 36        | 50      |       |       |     |
| 38  |                                |                                        | Urayasubashi Bridge                         | Urayasushi City/Edogawa City                  | 2013/10/9                      | Cloudy         | 1.9                     | 5                  | 42        | Silt                                                      | 240    | 570       | 810     |       |       |     |
| 39  |                                |                                        |                                             |                                               | 2013/11/26                     | Sunny          | 1.9                     | 7                  | 76        | Silt                                                      | 130    | 310       | 440     |       |       |     |
| 40  |                                | Mamagawa River                         | Nemoto Floodgate                            |                                               | 2013/11/8                      | Sunny          | 0.5                     | 2                  | 80        | Sand                                                      | 72     | 150       | 222     |       |       |     |
| 41  |                                | Kokubugawa River                       | Suwadabashi Bridge                          | Ichikawashi City                              | 2013/11/8                      | Sunny          | 0.4                     | 2                  | 79        | Sand                                                      | 220    | 550       | 770     |       |       |     |
| 42  |                                | Harukigawa River                       | Before the confluence with Kokubugawa River |                                               | 2013/11/8                      | Sunny          | 0.2                     | 4                  | 75        | Sand                                                      | 94     | 210       | 304     |       |       |     |
| 43  | Hasen-okashiwagawa River       | Downstream of Nakazawashinbashi Bridge | Kamagayashi City/Ichikawashi City           | 2013/11/8                                     | Sunny                          | 0.8            | 3                       | 59                 | Sand      | 48                                                        | 130    | 178       |         |       |       |     |
| 44  | Okashiwagawa River             | Sengenbashi Bridge                     |                                             | 2013/11/8                                     | Sunny                          | 1.7            | 2                       | 80                 | Sand      | 48                                                        | 110    | 158       |         |       |       |     |
| 45  | Ebigawa River                  | Yachiyoshi Bridge                      | Funabashishi City                           | 2013/11/5                                     | Sunny                          | 1.8            | 3                       | 79                 | Sand      | 25                                                        | 55     | 80        |         |       |       |     |
| 46  |                                |                                        |                                             | Inba Discharge Channel (lower reaches)        | Shinhanamigawabashi Bridge     | Chibashi City  | 2013/10/9               | Cloudy             | 2.9       | 5                                                         | 36     | Silt/sand | 490     | 1,100 | 1,590 |     |
| 47  |                                |                                        |                                             |                                               |                                |                | Miyakogawa River        | Miyakobashi Bridge | 2013/11/5 | Sunny                                                     | 2.8    | 4         | 79      | Sand  | 46    | 100 |
| 48  | Arakawa River System           | Arakawa River Middle Reaches           | Onaribashi Bridge                           | Konosushi City                                | 2013/11/22                     | Sunny          | 2.2                     | 2                  | 77        | Sand                                                      | <10    | <10       | -       |       |       |     |
| 49  |                                | Arakawa River Lower Reaches            | Sasamehashi Bridge                          | Todashi City/Wakoshi City/Itabashi City       | 2013/11/22                     | Sunny          | 0.6                     | 1                  | 63        | Silt/sand                                                 | 18     | 49        | 67      |       |       |     |
| 50  |                                |                                        | Kasabashi Bridge                            | Koto City/Edogawa City                        | 2013/11/26                     | Sunny          | 2.4                     | 7                  | 36        | Silt                                                      | 96     | 220       | 316     |       |       |     |
| 51  | Sumidagawa River               | Ryogokubashi Bridge                    | Chuo City/Sumida City                       | 2013/11/26                                    | Sunny                          | 2.8            | 4                       | 45                 | Sand/silt | 73                                                        | 210    | 283       |         |       |       |     |

\* Sampling points are listed from north to south.  
 \* Radioactive materials concentrations contain some measurement errors but are not noted here.

○River: Surrounding Environment Monitoring Results

| Sampling point |                                        |                                               |                                          | Sampling date                           | Weather                           | Left bank  |                                                     |        |       | Right bank       |          |                                                     |        | Remarks |                  |                              |      |
|----------------|----------------------------------------|-----------------------------------------------|------------------------------------------|-----------------------------------------|-----------------------------------|------------|-----------------------------------------------------|--------|-------|------------------|----------|-----------------------------------------------------|--------|---------|------------------|------------------------------|------|
| No.            | Water body                             | Point                                         | Municipality                             |                                         |                                   | Property   | Concentration of radioactive material [Bq/kg (dry)] |        |       | Air dose (μSv/h) | Property | Concentration of radioactive material [Bq/kg (dry)] |        |         | Air dose (μSv/h) |                              |      |
|                |                                        |                                               |                                          |                                         |                                   |            | Cs-134                                              | Cs-137 | Total |                  |          | Cs-134                                              | Cs-137 |         |                  | Total                        |      |
| 1              | Tonegawa River System                  | Shogengawa River                              | Fukamaohashi Bridge                      | Inzaishi City/Sakaemachi Town           | 2013/11/11                        | Cloudy     | Loamy                                               | 340    | 800   | 1140             | 0.13     | Loamy                                               | 190    | 500     | 690              | 0.16                         |      |
| 2              |                                        | Shinbeibashi Bridge                           |                                          |                                         | 2013/11/11                        | Cloudy     | Loamy                                               | 61     | 160   | 221              | 0.10     | Loamy                                               | 120    | 330     | 450              | 0.08                         |      |
| 3              |                                        | Intake at Maeshinden Water Purification Plant |                                          |                                         | 2013/11/11                        | Sunny      | Loamy                                               | 190    | 480   | 670              | 0.10     | Loamy                                               | 87     | 210     | 297              | 0.08                         |      |
| 4              |                                        | Nagatogawa River                              | Nagatobashi Bridge                       |                                         |                                   | 2013/11/11 | Cloudy                                              | Loamy  | 84    | 200              | 284      | 0.06                                                | Loamy  | 100     | 260              | 360                          | 0.08 |
| 5              |                                        |                                               | Fujimbashi Bridge                        |                                         | Sakaemachi Town                   | 2013/11/12 | Cloudy                                              | Loamy  | 170   | 410              | 580      | 0.09                                                | Loamy  | 220     | 470              | 690                          | 0.09 |
| 6              |                                        |                                               | Ryudatogawa River                        |                                         | Narutashi City/Sakaemachi Town    | 2013/11/12 | Cloudy                                              | Loamy  | 190   | 420              | 610      | 0.10                                                | Loamy  | 200     | 460              | 660                          | 0.11 |
| 7              |                                        |                                               | Nekonagawa River                         |                                         | Narutashi City                    | 2013/11/12 | Cloudy                                              | Loamy  | 46    | 130              | 176      | 0.08                                                | Loamy  | 52      | 120              | 172                          | 0.07 |
| 8              | Feeder Rivers of Tegayama Lake         | Ohorigawa River                               | Kitakashiwabashi Bridge                  | Kashiwashashi City                      | 2013/11/15                        | Light rain | Loamy                                               | 540    | 1,300 | 1840             | 0.19     | Loamy                                               | 1,200  | 2,900   | 4,100            | 0.20                         |      |
| 9              |                                        | Otsugawa River                                | Sannobashi Bridge, under                 | Kamagayashi City                        | 2013/11/14                        | Sunny      | Loamy                                               | 650    | 1,500 | 2150             | 0.13     | Loamy                                               | 310    | 720     | 1,030            | 0.11                         |      |
| 10             |                                        |                                               | Kaminumabashi Bridge                     | Kashiwashashi City                      | 2013/11/15                        | Cloudy     | Loamy                                               | 300    | 670   | 970              | 0.09     | Loamy                                               | 84     | 210     | 294              | 0.11                         |      |
| 11             |                                        | Someriotoshi                                  | Someshinbashi Bridge                     |                                         | 2013/11/18                        | Sunny      | Loamy                                               | 350    | 740   | 1090             | 0.11     | Loamy                                               | 240    | 520     | 760              | 0.11                         |      |
| 12             |                                        |                                               | Downstream of Karuizawasakaibashi Bridge | Kamagayashi City/Usuisi City            | 2013/11/15                        | Cloudy     | Loamy                                               | 500    | 1,200 | 1700             | 0.11     | Loamy                                               | 800    | 2,000   | 2,800            | 0.11                         |      |
| 13             |                                        | Kanayamaotoshi                                | Nauchibashi Bridge                       | Usuisi City                             | 2013/11/21                        | Sunny      | Loamy                                               | 350    | 820   | 1170             | 0.13     | Loamy                                               | 460    | 1,000   | 1,460            | 0.14                         |      |
| 14             |                                        |                                               | Kamenarigawa River                       | Kamenaribashi Bridge                    | Inzaishi City                     | 2013/11/14 | Sunny                                               | Loamy  | 340   | 830              | 1170     | 0.12                                                | Loamy  | 420     | 1,000            | 1,420                        | 0.12 |
| 15             | Feeder Rivers of Inbanuma Lake         | Igusasu Channel                               | Downstream of Igusasu Channel            | Kamagayashi City/Ichikawashi City       | 2013/11/21                        | Sunny      | Loamy                                               | 280    | 700   | 980              | 0.12     | Loamy                                               | 360    | 900     | 1,260            | 0.09                         |      |
| 16             |                                        | Futagawa River                                | Tomiyagabashi Bridge                     | Funabashishi City/Usuisi City           | 2013/11/21                        | Sunny      | Loamy                                               | 210    | 490   | 700              | 0.12     | Loamy                                               | 230    | 610     | 840              | 0.12                         |      |
| 17             |                                        | Kanzakigawa River                             | Kanzakibashi Bridge                      | Yachiyoshi City/Inzaishi City           | 2013/11/14                        | Sunny      | Loamy                                               | 150    | 360   | 510              | 0.10     | Loamy                                               | 250    | 590     | 840              | 0.10                         |      |
| 18             |                                        | Kannogawa River                               | Kannobashi Bridge                        | Yachiyoshi City                         | 2013/11/14                        | Cloudy     | Loamy                                               | 280    | 560   | 840              | 0.11     | Loamy                                               | 230    | 540     | 770              | 0.11                         |      |
| 19             |                                        | Inba Discharge Channel (upper reaches)        | Yachiobashi Bridge                       |                                         | 2013/11/14                        | Sunny      | Loamy                                               | 200    | 500   | 700              | 0.11     | Loamy                                               | 280    | 690     | 970              | 0.10                         |      |
| 20             |                                        | Tegurigawa River                              | Mumeibashi Bridge                        | Sakurashi City                          | 2013/11/13                        | Sunny      | Loamy                                               | 320    | 710   | 1030             | 0.10     | Loamy                                               | 220    | 540     | 760              | 0.11                         |      |
| 21             |                                        | Morotogawa River                              | Morotobashi Bridge                       | Inzaishi City                           | 2013/11/13                        | Sunny      | Loamy                                               | 180    | 480   | 660              | 0.08     | Loamy                                               | 370    | 820     | 1,190            | 0.10                         |      |
| 22             | Edogawa River                          | Kashimigawa River                             | Iwatombashi Bridge                       | Sakurashi City                          | 2013/11/13                        | Sunny      | Loamy                                               | 59     | 120   | 179              | 0.06     | Loamy                                               | 150    | 370     | 520              | 0.06                         |      |
| 23             |                                        | Takasagigawa River                            | Ryutobashi Bridge                        |                                         | 2013/11/13                        | Sunny      | Loamy                                               | 57     | 120   | 177              | 0.07     | Loamy                                               | 160    | 390     | 550              | 0.07                         |      |
| 24             |                                        | Kashimigawa River                             | Kashimabashi Bridge                      |                                         | 2013/11/13                        | Sunny      | Loamy                                               | 90     | 180   | 270              | 0.07     | Loamy                                               | 140    | 390     | 530              | 0.08                         |      |
| 25             |                                        | Inbasu Channel                                | Tsurumakibashi Bridge                    |                                         | Inzaishi City                     | 2013/11/12 | Cloudy                                              | Loamy  | 130   | 320              | 450      | 0.11                                                | Loamy  | 97      | 230              | 327                          | 0.12 |
| 26             |                                        | Toneunga Canal                                | Ungabashi Bridge                         |                                         | Nagareyamashi City/Nodashi City   | 2013/11/19 | Sunny                                               | Loamy  | 240   | 590              | 830      | 0.15                                                | Loamy  | 380     | 910              | 1,290                        | 0.16 |
| 27             |                                        | Edogawa River                                 | Nagareyamabashi Bridge                   |                                         | Nagareyamashi City/Misatoshi City | 2013/11/19 | Sunny                                               | Loamy  | 330   | 740              | 1070     | 0.16                                                | Loamy  | 280     | 710              | 990                          | 0.14 |
| 28             |                                        | Sakagawa River                                | Bentenbashi Bridge                       |                                         | Matsudoshi City                   | 2013/11/19 | Sunny                                               | -      | -     | -                | 0.10     | -                                                   | -      | -       | -                | -                            | 0.11 |
| 29             | Shinsakagawa River                     | Sakanebashi Bridge                            |                                          | 2013/11/19                              | Sunny                             | -          | -                                                   | -      | 0.09  | -                | -        | -                                                   | -      | -       | 0.09             | Soil not exposed             |      |
| 30             | Edogawa River                          | Shinkatsushikabashi Bridge                    | Matsudoshi City/Katsushika City          | 2013/11/20                              | Sunny                             | Loamy      | 250                                                 | 600    | 850   | 0.14             | Loamy    | 280                                                 | 700    | 980     | 0.14             |                              |      |
| 31             |                                        | Ichikawabashi Bridge                          | Ichikawashi City/Edogawa City            | 2013/11/20                              | Sunny                             | Loamy      | 240                                                 | 540    | 780   | 0.10             | Loamy    | 390                                                 | 910    | 1,300   | 0.14             |                              |      |
| 32             |                                        | Vicinity of Keiyo Road                        |                                          | 2013/11/25                              | Cloudy                            | Loamy      | 260                                                 | 640    | 900   | 0.13             | Loamy    | 200                                                 | 420    | 620     | 0.12             |                              |      |
| 33             |                                        | Gyotoku Movable Weir (Upper Reaches)          | Ichikawashi City                         | 2013/10/9                               | Cloudy                            | Loamy      | 190                                                 | 380    | 570   | 0.10             | Loamy    | 210                                                 | 490    | 700     | 0.11             |                              |      |
| 34             |                                        |                                               |                                          | 2013/11/25                              | Cloudy                            | Loamy      | 150                                                 | 350    | 500   | 0.11             | Loamy    | 250                                                 | 550    | 800     | 0.10             |                              |      |
| 35             |                                        | Shingyotokubashi Bridge                       |                                          | 2013/11/20                              | Sunny                             | Loamy      | 100                                                 | 210    | 310   | 0.08             | Loamy    | 19                                                  | 34     | 53      | 0.06             |                              |      |
| 36             |                                        | Edogawa Floodgate, down                       |                                          | 2013/11/25                              | Cloudy                            | Loamy      | 350                                                 | 790    | 1140  | 0.14             | Loamy    | 220                                                 | 490    | 710     | 0.10             |                              |      |
| 37             |                                        | 8 km Point to the estuary                     | Ichikawashi City/Edogawa City            | 2013/11/25                              | Cloudy                            | Loamy      | 280                                                 | 730    | 1010  | 0.12             | Loamy    | 250                                                 | 610    | 860     | 0.13             |                              |      |
| 38             |                                        | Kyuedogawa River                              | Imaibashi Bridge                         |                                         | 2013/11/25                        | Cloudy     | -                                                   | -      | -     | 0.08             | Loamy    | 160                                                 | 360    | 520     | 0.11             | (Left bank) Soil not exposed |      |
| 39             |                                        |                                               | Urayasubashi Bridge                      | Urayasushi City/Edogawa City            | 2013/10/9                         | Cloudy     | Loamy                                               | 860    | 2,000 | 2860             | 0.08     | Loamy                                               | 630    | 1,400   | 2,030            | 0.09                         |      |
| 40             | Mamagawa River                         | Nemoto Floodgate                              |                                          | 2013/11/26                              | Sunny                             | Loamy      | 570                                                 | 1,400  | 1970  | 0.08             | Loamy    | 180                                                 | 480    | 660     | 0.08             |                              |      |
| 41             | Kokubugawa River                       | Suwabashi Bridge                              | Ichikawashi City                         | 2013/11/8                               | Sunny                             | -          | -                                                   | -      | 0.08  | -                | -        | -                                                   | -      | -       | 0.09             | Soil not exposed             |      |
| 42             | Harukigawa River                       | Before the confluence with Kokubugawa River   |                                          | 2013/11/8                               | Sunny                             | -          | -                                                   | -      | 0.08  | -                | -        | -                                                   | -      | -       | 0.08             | Soil not exposed             |      |
| 43             | Hasen-okashiwagawa River               | Downstream of Nakazawashinbashi Bridge        | Kamagayashi City/Ichikawashi City        | 2013/11/8                               | Sunny                             | Loamy      | 160                                                 | 410    | 570   | 0.09             | Loamy    | 50                                                  | 130    | 180     | 0.06             |                              |      |
| 44             | Okashiwagawa River                     | Sengenbashi Bridge                            |                                          | 2013/11/8                               | Sunny                             | -          | -                                                   | -      | 0.06  | -                | -        | -                                                   | -      | -       | 0.06             | Soil not exposed             |      |
| 45             | Mamagawa River                         | Mitomaebashi Bridge                           | Ichikawashi City                         | 2013/10/9                               | Cloudy                            | Loamy      | 170                                                 | 360    | 530   | 0.07             | Loamy    | 78                                                  | 190    | 268     | 0.07             |                              |      |
| 46             |                                        |                                               |                                          | 2013/11/5                               | Sunny                             | Loamy      | 120                                                 | 290    | 410   | 0.07             | Loamy    | 100                                                 | 240    | 340     | 0.06             |                              |      |
| 47             | Ebigawa River                          | Yachiyobashi Bridge                           | Funabashishi City                        | 2013/11/5                               | Sunny                             | Loamy      | 210                                                 | 490    | 700   | 0.06             | Loamy    | 180                                                 | 430    | 610     | 0.06             |                              |      |
| 48             | Inba Discharge Channel (lower reaches) | Shinhanamigawabashi Bridge                    | Chibashi City                            | 2013/10/9                               | Cloudy                            | Loamy      | 150                                                 | 350    | 500   | 0.09             | Loamy    | 160                                                 | 400    | 560     | 0.07             |                              |      |
| 49             |                                        |                                               |                                          | 2013/11/5                               | Sunny                             | Loamy      | 110                                                 | 260    | 370   | 0.07             | Loamy    | 330                                                 | 750    | 1,080   | 0.07             |                              |      |
| 50             | Miyakogawa River                       | Miyakobashi Bridge                            |                                          | 2013/11/5                               | Sunny                             | Loamy      | 45                                                  | 100    | 145   | 0.06             | Loamy    | 210                                                 | 520    | 730     | 0.07             |                              |      |
| 51             | Arakawa River System                   | Arakawa River Middle Reaches                  | Onaribashi Bridge                        | Konosushi City                          | 2013/11/22                        | Sunny      | Loamy                                               | 28     | 65    | 93               | 0.06     | Loamy                                               | 19     | 48      | 67               | 0.07                         |      |
| 52             |                                        | Arakawa River Lower Reaches                   | Sasamehashi Bridge                       | Todashi City/Wakoshi City/Itabashi City | 2013/11/22                        | Sunny      | Loamy                                               | 80     | 210   | 290              | 0.05     | Loamy                                               | 74     | 160     | 234              | 0.06                         |      |
| 53             |                                        |                                               | Kasabashi Bridge                         | Koto City/Edogawa City                  | 2013/11/26                        | Sunny      | Loamy                                               | 110    | 250   | 360              | 0.08     | Loamy                                               | 210    | 480     | 690              | 0.09                         |      |
| 54             |                                        | Sumidagawa River                              | Ryogokubashi Bridge                      | Chuo City/Sumida City                   | 2013/11/26                        | Sunny      | -                                                   | -      | -     | 0.06             | -        | -                                                   | -      | -       | 0.05             | Soil not exposed             |      |

\* Samples for surrounding environment (soil) were generally collected from 5 points in 3m square in the river terrace, etc., and mixed. Depending on the site situation, factors, such as the area of sampling may be much smaller, may cause figures to vary significantly.  
 \* Sampling points for rivers are listed from north to south, and for different points along the river, from upstream to downstream.  
 \* Air dose was measured with a survey meter, TCS-172B of Hitachi-Aloka Medical, Ltd.  
 \* Radioactive materials concentrations contain some measurement errors but are not noted here.

○Lake and Headwater: Water Quality Monitoring Results

| Sampling point |                                    |               | Sampling date | Weather | Full depth (m) | General items      |                       |                                |           | Radioactive material concentrations (Bq/L) |                    |        | Remarks                                                    |  |
|----------------|------------------------------------|---------------|---------------|---------|----------------|--------------------|-----------------------|--------------------------------|-----------|--------------------------------------------|--------------------|--------|------------------------------------------------------------|--|
| No.            | Point                              |               |               |         |                | Sampling depth (m) | Secchi disk depth (m) | Electrical conductivity (mS/m) | SS (mg/L) | Turbidity                                  | Radioactive cesium |        |                                                            |  |
|                |                                    |               |               |         |                |                    |                       |                                |           |                                            | Cs-134             | Cs-137 |                                                            |  |
| 1              | Fusashita                          | Surface layer | 2013/11/18    | Sunny   | 2.3            | 0.5                | 0.7                   | 32                             | 20        | 16                                         | <1                 | <1     |                                                            |  |
|                |                                    | Lower layer   |               |         |                | 1.3                |                       | 34                             | 22        | 17                                         | <1                 | <1     |                                                            |  |
| 2              | Shimoteganuma Chuo                 | Surface layer | 2013/11/18    | Sunny   | 1.4            | 0.5                | 0.7                   | 32                             | 23        | 17                                         | <1                 | <1     |                                                            |  |
|                |                                    | Lower layer   |               |         |                | -                  |                       | -                              | 23        | 18                                         | <1                 | <1     | Collected only from the surface layer due to shallow water |  |
| 3              | Teganuma Chuo                      | Surface layer | 2013/11/18    | Sunny   | 1.3            | 0.5                | 0.5                   | 33                             | 27        | 18                                         | <1                 | <1     |                                                            |  |
|                |                                    | Lower layer   |               |         |                | -                  |                       | -                              | 27        | 18                                         | <1                 | <1     | Collected only from the surface layer due to shallow water |  |
| 4              | Nedoshita                          | Surface layer | 2013/11/18    | Sunny   | 1.9            | 0.5                | 0.8                   | 30                             | 12        | 9                                          | <1                 | <1     |                                                            |  |
|                |                                    | Lower layer   |               |         |                | 0.9                |                       | 35                             | 15        | 10                                         | <1                 | <1     |                                                            |  |
| 5              | Kita Inbanuma Chuo                 | Surface layer | 2013/11/18    | Sunny   | 1.4            | 0.2                | 0.2                   | 25                             | 19        | 12                                         | <1                 | <1     |                                                            |  |
|                |                                    | Lower layer   |               |         |                | -                  |                       | -                              | 19        | 12                                         | <1                 | <1     | Collected only from the surface layer due to shallow water |  |
| 6              | Ipponmatsushita                    | Surface layer | 2013/11/18    | Sunny   | 1.4            | 0.5                | 0.4                   | 30                             | 21        | 12                                         | <1                 | <1     |                                                            |  |
|                |                                    | Lower layer   |               |         |                | -                  |                       | -                              | 27        | 14                                         | <1                 | <1     | Collected only from the surface layer due to shallow water |  |
| 7              | Lower area of Josuido water intake | Surface layer | 2013/11/18    | Sunny   | 1.4            | 0.5                | 0.5                   | 32                             | 23        | 12                                         | <1                 | <1     |                                                            |  |
|                |                                    | Lower layer   |               |         |                | -                  |                       | -                              | 24        | 12                                         | <1                 | <1     | Collected only from the surface layer due to shallow water |  |
| 8              | Asobashi Bridge                    | Surface layer | 2013/11/18    | Sunny   | 1.8            | 0.5                | 0.9                   | 35                             | 25        | 9                                          | <1                 | <1     |                                                            |  |
|                |                                    | Lower layer   |               |         |                | 0.8                |                       | 36                             | 15        | 7                                          | <1                 | <1     |                                                            |  |

- Sampling points are listed from north to south.
- Radioactive materials concentrations contain some measurement errors but are not noted here.

○Lake and Headwater: Sediment and Surrounding Environment (Lake Shore) Monitoring Results

| Sampling point |                                    |  | Sampling date | Weather | Full depth (m) | Sediment                |               |           |                                                           |        | Surrounding environment (lake shore) |                                                     |       |       |                  | Remarks |                                    |
|----------------|------------------------------------|--|---------------|---------|----------------|-------------------------|---------------|-----------|-----------------------------------------------------------|--------|--------------------------------------|-----------------------------------------------------|-------|-------|------------------|---------|------------------------------------|
| No.            | Point                              |  |               |         |                | General items           |               |           | Concentration of radioactive material [Bq/kg (dried mud)] |        | Property                             | Soil                                                |       |       |                  |         |                                    |
|                |                                    |  |               |         |                | Mud sampling depth (cm) | Mud content % | Property  | Radioactive cesium                                        |        |                                      | Concentration of radioactive material [Bq/kg (dry)] |       |       | Air dose (μSv/h) |         |                                    |
|                |                                    |  | Cs-134        | Cs-137  | Total          |                         |               |           | Cs-134                                                    | Cs-137 |                                      | Total                                               |       |       |                  |         |                                    |
| 1              | Fusashita                          |  | 2013/11/18    | Sunny   | 2.3            | 3                       | 48            | Sand/silt | 260                                                       | 620    | 880                                  | -                                                   | -     | -     | -                | -       | Mud sampling points not determined |
| 2              | Shimoteganuma Chuo                 |  | 2013/11/18    | Sunny   | 1.4            | 6                       | 40            | Silt      | 140                                                       | 380    | 520                                  | Loamy                                               | 270   | 610   | 880              | 0.10    |                                    |
| 3              | Teganuma Chuo                      |  | 2013/11/18    | Sunny   | 1.3            | 7                       | 23            | Silt      | 360                                                       | 960    | 1,320                                | -                                                   | -     | -     | -                | -       | Mud sampling points not determined |
| 4              | Nedoshita                          |  | 2013/11/18    | Sunny   | 1.9            | 5                       | 30            | Silt      | 1,300                                                     | 3,100  | 4,400                                | Loamy                                               | 1,800 | 4,300 | 6,100            | 0.16    |                                    |
| 5              | Kita Inbanuma Chuo                 |  | 2013/11/18    | Sunny   | 1.4            | 7                       | 20            | Silt/sand | 160                                                       | 390    | 550                                  | Loamy                                               | 210   | 480   | 690              | 0.14    |                                    |
| 6              | Ipponmatsushita                    |  | 2013/11/18    | Sunny   | 1.4            | 6                       | 22            | Silt/sand | 180                                                       | 380    | 560                                  | -                                                   | -     | -     | -                | -       | Mud sampling points not determined |
| 7              | Lower area of Josuido water intake |  | 2013/11/18    | Sunny   | 1.4            | 6                       | 28            | Silt/sand | 230                                                       | 570    | 800                                  | -                                                   | -     | -     | -                | -       | Mud sampling points not determined |
| 8              | Asobashi Bridge                    |  | 2013/11/18    | Sunny   | 1.8            | 3                       | 65            | Sand/silt | 86                                                        | 180    | 266                                  | Loamy                                               | 550   | 1,300 | 1,850            | 0.10    |                                    |

- Samples for surrounding environment (soil) were generally collected from 5 points in 3m square in the river terrace, etc., and mixed. Depending on the site situation, factors, such as the area of sampling may be much smaller, may cause figures to vary significantly.
- Sampling points for rivers are listed from north to south, and for different points along the river, from upstream to downstream.
- Air dose was measured with a survey meter, TCS-172B of Hitachi-Aloka Medical, Ltd.
- Radioactive materials concentrations contain some measurement errors but are not noted here.

○Coast: Water Quality Monitoring Results

| Sampling point |                                                   |                                                      | Sampling date | Weather    | Full depth (m) | General items      |                       |              |           | Radioactive material concentrations (Bq/L) |                    | Remarks |        |
|----------------|---------------------------------------------------|------------------------------------------------------|---------------|------------|----------------|--------------------|-----------------------|--------------|-----------|--------------------------------------------|--------------------|---------|--------|
| No.            | Water body                                        |                                                      |               |            |                | Sampling depth (m) | Secchi disk depth (m) | Salinity (‰) | SS (mg/L) | Turbidity                                  | Radioactive cesium |         |        |
|                |                                                   |                                                      |               |            |                |                    |                       |              |           |                                            | Cs-134             |         | Cs-137 |
| 1              | Tokyowan Bay 7                                    | Offshore of Yorogawa River Estuary                   | 2013/11/7     | Light rain | 9.5            | 0.5                | 3.8                   | 27           | 10        | 1                                          | <1                 | <1      |        |
|                |                                                   | Surface layer                                        |               |            |                | 8.5                |                       |              |           |                                            |                    |         | 27     |
| 2              | Tokyowan Bay 5                                    | Offshore of Miyakogawa River Estuary                 | 2013/11/7     | Light rain | 9.3            | 0.5                | 3.5                   | 27           | 3         | 2                                          | <1                 | <1      |        |
|                |                                                   | Surface layer                                        |               |            |                | 8.3                |                       |              |           |                                            |                    |         | 28     |
| 3              | Coastal sea area of Makuhari                      | Offshore of Inbanuma Discharge Channel               | 2013/10/1     | Cloudy     | 4.5            | 0.5                | 2.5                   | 28           | 4         | 3                                          | <1                 | <1      |        |
|                |                                                   | Surface layer                                        |               |            |                | 3.5                |                       |              |           |                                            |                    |         | 29     |
|                |                                                   | Lower layer                                          | 2013/11/7     | Light rain | 5.5            | 0.5                | 2.7                   | 24           | 2         | 2                                          | <1                 | <1      |        |
|                |                                                   | Surface layer                                        |               |            |                | 4.5                |                       |              |           |                                            |                    |         | 28     |
| Lower layer    | 2013/11/7                                         | Light rain                                           | 6.9           | 0.5        | 2.3            | 27                 | 8                     | 3            | <1        | <1                                         |                    |         |        |
| Surface layer  |                                                   |                                                      |               | 5.9        |                |                    |                       |              |           |                                            | 28                 | 2       | 2      |
| 4              | Approx. 1 km offshore of Ebigawa River Estuary    | Coastal area of Keiyo Port (Yorogawa River Estuary)  | 2013/11/7     | Light rain | 6.9            | 0.5                | 2.3                   | 28           | 2         | 2                                          | <1                 | <1      |        |
|                |                                                   | Surface layer                                        |               |            |                | 5.9                |                       |              |           |                                            |                    |         | 28     |
| 5              | Approx. 1 km offshore of Edogawa River Estuary    | Coastal area of Keiyo Port (Edogawa River Estuary)   | 2013/11/7     | Light rain | 5.0            | 0.5                | 2.1                   | 28           | 3         | 2                                          | <1                 | <1      |        |
|                |                                                   | Surface layer                                        |               |            |                | 4.0                |                       |              |           |                                            |                    |         | 28     |
| 6              | Approx. 1 km offshore of Kyuedogawa River Estuary | Offshore of Kyuedogawa River Estuary                 | 2013/10/10    | Cloudy     | 8.2            | 0.5                | 1.5                   | 27           | 4         | 6                                          | <1                 | <1      |        |
|                |                                                   | Surface layer                                        |               |            |                | 7.2                |                       |              |           |                                            |                    |         | 28     |
|                |                                                   | Lower layer                                          | 2013/11/6     | Cloudy     | 7.7            | 0.5                | 1.9                   | 24           | 5         | 2                                          | <1                 | <1      |        |
|                |                                                   | Surface layer                                        |               |            |                | 6.7                |                       |              |           |                                            |                    |         | 29     |
| Lower layer    | 2013/10/10                                        | Cloudy                                               | 5.8           | 0.5        | 1.0            | 18                 | 7                     | 8            | <1        | <1                                         |                    |         |        |
| Surface layer  |                                                   |                                                      |               | 4.8        |                |                    |                       |              |           |                                            | 28                 | 4       | 4      |
| 7              | St-8                                              | Offshore of Arakawa River/Kyuedogawa River Estuaries | 2013/11/6     | Cloudy     | 5.7            | 0.5                | 1.5                   | 25           | 7         | 3                                          | <1                 | <1      |        |
|                |                                                   | Surface layer                                        |               |            |                | 4.7                |                       |              |           |                                            |                    |         | 27     |
| 8              | Southwestern area of Toyosu Wharf                 | Offshore of Sumidagawa River Estuary                 | 2013/11/6     | Cloudy     | 10.9           | 0.5                | 2.2                   | 21           | 3         | 2                                          | <1                 | <1      |        |
|                |                                                   | Surface layer                                        |               |            |                | 9.9                |                       |              |           |                                            |                    |         | 29     |

- Sampling points are listed from north to south.
- Radioactive materials concentrations contain some measurement errors but are not noted here.

○Coast: Sediment Monitoring Results

| No. | Water body                                        | Sampling date                                        | Weather    | Full depth (m) | General items |           | Concentration of radioactive material [Bq/kg (dried mud)] |        |       | Remarks |  |
|-----|---------------------------------------------------|------------------------------------------------------|------------|----------------|---------------|-----------|-----------------------------------------------------------|--------|-------|---------|--|
|     |                                                   |                                                      |            |                | Mud content % | Property  | Radioactive cesium                                        |        |       |         |  |
|     |                                                   |                                                      |            |                |               |           | Cs-134                                                    | Cs-137 | Total |         |  |
| 1   | Tokyowan Bay 7                                    | 2013/11/7                                            | Light rain | 9.5            | 37            | Silt/clay | <10                                                       | 11     | 11    |         |  |
| 2   | Tokyowan Bay 5                                    | 2013/11/7                                            | Light rain | 9.3            | 40            | Silt/clay | <10                                                       | 19     | 19    |         |  |
| 3   | Coastal sea area of Makuhari                      | Offshore of Inbanuma Discharge Channel               | 2013/10/1  | Cloudy         | 4.5           | 60        | Silt/sand                                                 | 12     | 24    | 36      |  |
|     |                                                   | Offshore of Inbanuma Discharge Channel               | 2013/11/7  | Light rain     | 5.5           | 54        | Silt                                                      | 17     | 30    | 47      |  |
| 4   | Approx. 1 km offshore of Ebigawa River Estuary    | 2013/11/7                                            | Light rain | 6.9            | 63            | Sand/silt | <10                                                       | <10    | -     |         |  |
| 5   | Approx. 1 km offshore of Edogawa River Estuary    | 2013/11/7                                            | Light rain | 5.0            | 44            | Silt      | 17                                                        | 37     | 54    |         |  |
| 6   | Approx. 1 km offshore of Kyuedogawa River Estuary | Offshore of Kyuedogawa River Estuary                 | 2013/10/10 | Cloudy         | 8.2           | 40        | Silt                                                      | 63     | 130   | 193     |  |
|     |                                                   | Offshore of Kyuedogawa River Estuary                 | 2013/11/6  | Cloudy         | 7.7           | 34        | Silt                                                      | 200    | 380   | 580     |  |
| 7   | St-8                                              | Offshore of Arakawa River/Kyuedogawa River Estuaries | 2013/10/10 | Cloudy         | 5.8           | 42        | Silt                                                      | 110    | 260   | 370     |  |
|     |                                                   | Offshore of Arakawa River/Kyuedogawa River Estuaries | 2013/11/6  | Cloudy         | 5.7           | 37        | Silt                                                      | 84     | 210   | 294     |  |
| 8   | Southwestern area of Toyosu Wharf                 | 2013/11/6                                            | Cloudy     | 10.9           | 23            | Silt      | 14                                                        | 16     | 30    |         |  |

- Sampling points are listed from north to south.
- Radioactive materials concentrations contain some measurement errors but are not noted here.



