

(News Release)
The Results of Radioactive Material Monitoring of the Surface Water Bodies
within Tochigi Prefecture
(May-June 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 Tochigi Prefecture during the period of May 22-June 24, 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

64 environmental reference points, etc. in the surface water bodies within Tochigi Prefecture
(Rivers: 56 locations, Lakes: 8 location)

(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 (February, 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))

For rivers, levels were around 500Bq/kg or below at most locations, and have generally remained

constant or had a declining tendency. For lakes and headwaters, levels were around 1,000Bq/kg or below at most locations, and have generally remained constant or had a declining tendency.

(Rivers)

Cs-134+Cs-137: ND-530Bq/kg (dried mud) (*ND-690Bq/kg (dried mud))

(Lakes and headwaters)

Cs-134+Cs-137: 177-2,530Bq/kg (dried mud) (*320-4,000Bq/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 | 68 (54) | 1 (1) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 69 (55) |
| Lakes and headwaters | 5 (1) | 1 (2) | 1 (0) | 0 (0) | 0 (0) | 1 (0) | 0 (1) | 8 (4) |

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

(Rivers)

Cs-134+Cs-137: 12-8,800Bq/kg (dry) (*38-13,300Bq/kg (dry))

Spatial dose: 0.01-0.66μSv/h

(Lakes and headwaters)

Cs-134+Cs-137: 191-6,800Bq/kg (dry) (*141-4,900Bq/kg (dry))

Spatial dose: 0.07-0.36μSv/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

| Sampling point | | | | Sampling date | Weather | Full depth (m) | General items | | | | | Radioactive material concentrations (Bq/L) | | Remarks | | | |
|----------------|--|--|------------------------|---|---------------------|----------------|---------------|--------------------|-------------------|--------------------------------|-----------|--|--------------------|---------|--------|--|--|
| No. | Water body | | Point | | | | Municipality | Sampling depth (m) | Transparency (cm) | Electrical conductivity (mS/m) | SS (mg/L) | Turbidity | Radioactive cesium | | | | |
| | | | | | | | | | | | | | Cs-134 | | Cs-137 | | |
| 1 | Nakagawa River | | Ikujobashishita | Nasushiobarashi City | 2013/5/31 | Sunny | 0.7 | 0.0 | >100 | 16 | 3 | 0.8 | <1 | <1 | | | |
| 2 | | | Komeibashi Bridge | | 2013/5/31 | Sunny | 0.5 | 0.0 | >100 | 12 | 1 | 1.4 | <1 | <1 | | | |
| 3 | Takaomatagawa River | | Takaomatashi Bridge | Nasumachi Town | 2013/5/31 | Sunny | 0.2 | 0.0 | >100 | 16 | 3 | 1.5 | <1 | <1 | | | |
| 4 | Yukawa River | | Yukawabashi Bridge | | 2013/5/31 | Sunny | 0.3 | 0.0 | 83 | 29 | 6 | 2.7 | <1 | <1 | | | |
| 5 | Nakagawa River | | Kamikuroiso | Nasushiobarashi City/ Nasumachi Town | 2013/5/31 | Sunny | 0.3 | 0.0 | >100 | 19 | 4 | 1.5 | <1 | <1 | | | |
| 6 | | | Yosasagawa River | | Yosasabashi Bridge | 2013/6/10 | Sunny | 0.2 | 0.0 | >100 | 19 | 1 | 1.2 | <1 | <1 | | |
| 7 | Kurokawa River | | Shindenbashi Bridge | Nasumachi Town | 2013/5/31 | Sunny | 0.5 | 0.0 | >100 | 15 | 4 | 1.5 | <1 | <1 | | | |
| 8 | Yosasagawa River | | Kawadabashi Bridge | | 2013/6/3 | Sunny | 0.4 | 0.0 | 72 | 11 | 4 | 2.8 | <1 | <1 | | | |
| 9 | Nakagawa River | | Kurobane | Otawarashi City | 2013/5/30 | Cloudy | 0.2 | 0.0 | 64 | 13 | 12 | 4.8 | <1 | <1 | | | |
| | | | | | 2013/6/10 | Sunny | 0.2 | 0.0 | >100 | 17 | 2 | 1.9 | <1 | <1 | | | |
| 2013/5/30 | Cloudy | 0.5 | 0.0 | | >100 | 16 | 7 | 3.3 | <1 | <1 | | | | | | | |
| 2013/6/17 | Sunny | 0.5 | 0.0 | | 75 | 16 | 2 | 2.1 | <1 | <1 | | | | | | | |
| 2013/5/30 | Cloudy | 0.3 | 0.0 | | >100 | 12 | 5 | 2.7 | <1 | <1 | | | | | | | |
| 2013/6/17 | Sunny | 0.7 | 0.0 | | >100 | 11 | 2 | 1.9 | <1 | <1 | | | | | | | |
| 10 | Matsubagawa River | | Tributary | Nasushiobarashi City | 2013/5/29 | Cloudy | 0.2 | 0.0 | >100 | 13 | 3 | 1.4 | <1 | <1 | | | |
| 11 | Sabigawa River | | Udagawabashi Bridge | | 2013/5/29 | Cloudy | 0.4 | 0.0 | >100 | 17 | 3 | 1.1 | <1 | <1 | | | |
| 12 | Momuragawa River | | Momuranakabashi Bridge | Nasushiobarashi City | 2013/5/29 | Cloudy | 0.4 | 0.0 | >100 | 17 | 3 | 1.1 | <1 | <1 | | | |
| 13 | Hokigawa River | | Yunohara | | 2013/6/3 | Sunny | 0.3 | 0.0 | >100 | 25 | 1 | 1.1 | <1 | <1 | | | |
| 14 | | | Sekibabashi Bridge | 2013/6/3 | Sunny | 0.4 | 0.0 | >100 | 23 | 1 | 1.6 | <1 | <1 | | | | |
| 15 | | | Iwaibashi Bridge | 2013/5/29 | Cloudy | 0.5 | 0.0 | >100 | 20 | 2 | 1.7 | <1 | <1 | | | | |
| 16 | Hokigawa River | | Hokigawabashi Bridge | Otawarashi City | 2013/5/30 | Cloudy | 0.6 | 0.0 | >100 | 17 | 4 | 2.0 | <1 | <1 | | | |
| | | | | | 2013/6/18 | Cloudy | 0.5 | 0.0 | 80 | 17 | 3 | 2.0 | <1 | <1 | | | |
| 17 | Nakagawa River | | Shinnakabashi Bridge | Nakagawamachi Town | 2013/5/30 | Cloudy | 0.6 | 0.0 | >100 | 17 | 7 | 4.2 | <1 | <1 | | | |
| | | | | | 2013/6/19 | Light rain | 0.5 | 0.0 | 74 | 17 | 4 | 2.9 | <1 | <1 | | | |
| 18 | Mumogawa River | | Koseibashi Bridge | Shioyamachi Town | 2013/5/29 | Cloudy | 0.7 | 0.0 | >100 | 14 | 3 | 2.0 | <1 | <1 | | | |
| | | | | | 2013/6/18 | Cloudy | 1.0 | 0.0 | >100 | 11 | 2 | 1.2 | <1 | <1 | | | |
| 19 | Arakawa River | | Saikachibashi Bridge | Sakurashi City | 2013/5/29 | Cloudy | 0.3 | 0.0 | >100 | 7 | 5 | 2.7 | <1 | <1 | | | |
| 20 | Renjobashi Bridge | | 2013/5/27 | | Cloudy | 0.3 | 0.0 | >100 | 14 | 4 | 1.6 | <1 | <1 | | | | |
| 21 | Uchikawa River | | Tanakabashi Bridge | Sakurashi City | 2013/5/29 | Cloudy | 0.2 | 0.0 | >100 | 16 | 2 | 1.2 | <1 | <1 | | | |
| 22 | Asahibashi Bridge | | 2013/5/27 | | Cloudy | 0.5 | 0.0 | >100 | 18 | 4 | 2.4 | <1 | <1 | | | | |
| 23 | Arakawa River | | Mukadabashi Bridge | Nasukarasuyamashi City | 2013/5/27 | Cloudy | 0.8 | 0.0 | >100 | 19 | 7 | 3.9 | <1 | <1 | | | |
| | | | | | 2013/6/19 | Cloudy | 0.4 | 0.0 | 90 | 16 | 5 | 3.0 | <1 | <1 | | | |
| 24 | Egawa River | | Tributary | Nikkoshi City | 2013/5/27 | Sunny | 0.4 | 0.0 | 17 | 19 | 33 | 13.0 | <1 | <1 | | | |
| | | | | | 2013/6/19 | Cloudy | 0.5 | 0.0 | 39 | 16 | 15 | 6.9 | <1 | <1 | | | |
| 25 | R i v e r S g y a s w a t a e m | R i v e r S g y a s w a t a e m | Kinugawa River | Nikkoshi City | 2013/6/4 | Sunny | 0.5 | 0.0 | >100 | 8 | <1 | 1.5 | <1 | <1 | | | |
| 26 | | | Yunishigawa River | | Maesawabashi Bridge | 2013/6/3 | Sunny | 0.4 | 0.0 | >100 | 9 | <1 | 0.4 | <1 | <1 | | |
| 27 | | | Ojikagawa River | | Tributary | 2013/6/4 | Sunny | 0.6 | 0.0 | >100 | 8 | <1 | 0.5 | <1 | <1 | | |
| 28 | | | Kinugawa River | | Kosagoe | 2013/6/4 | Sunny | 0.5 | 0.0 | >100 | 8 | 1 | 1.3 | <1 | <1 | | |
| 29 | | | Itaanagawa River | | Tributary | 2013/6/11 | Sunny | 0.2 | 0.0 | >100 | 9 | <1 | 0.6 | <1 | <1 | | |
| | | | | | | 2013/6/24 | Sunny | 0.4 | 0.0 | >100 | 7 | 1 | 2.0 | <1 | <1 | | |
| 30 | | | Yukawa River | | Shinkyō Bridge | 2013/6/5 | Sunny | 0.2 | 0.0 | >100 | 18 | 2 | 1.5 | <1 | <1 | | |
| 31 | | | Daiyagawa River | | | 2013/6/4 | Sunny | 0.3 | 0.0 | >100 | 11 | <1 | 0.3 | <1 | <1 | | |

| Sampling point | | | | Sampling date | Weather | Full depth (m) | General items | | | | | Radioactive material concentrations (Bq/L) | | Remarks | |
|----------------|---|---|----------------------|--|---------------------|----------------|---------------|--------------------|-------------------|--------------------------------|-----------|--|--------------------|---------|--------|
| No. | Water body | | Point | | | | Municipality | Sampling depth (m) | Transparency (cm) | Electrical conductivity (mS/m) | SS (mg/L) | Turbidity | Radioactive cesium | | |
| | | | | | | | | | | | | | Cs-134 | | Cs-137 |
| 32 | T o n e g a w a R i v e r S y s t e m | K i n u g a w a R i v e r | Shidobuchigawa River | Sujichigaibashi Bridge | Nikkoshi City | 2013/6/4 | Sunny | 0.3 | 0.0 | >100 | 12 | 2 | 1.2 | <1 | <1 |
| 33 | | | Daiyagawa River | Kaishinbashi Bridge (Harigai) | | 2013/6/11 | Sunny | 0.4 | 0.0 | >100 | 16 | <1 | 0.7 | <1 | <1 |
| 34 | | | Kinugawa River | Sanuki | Shioyamachi Town | 2013/6/24 | Sunny | 0.3 | 0.0 | >100 | 12 | 4 | 1.3 | <1 | <1 |
| 35 | | | | | | 2013/6/11 | Cloudy | 0.5 | 0.0 | 80 | 11 | 1 | 1.3 | <1 | <1 |
| 36 | | | Kinugawa River | Kinugawabashi Bridge (Hoshakuji Temple) | Utsunomiyashi City | 2013/5/27 | Cloudy | 1.0 | 0.0 | 49 | 11 | 22 | 5.3 | <1 | <1 |
| 37 | | | | | | 2013/5/27 | Sunny | 0.7 | 0.0 | >100 | 12 | 1 | 1.3 | <1 | <1 |
| 38 | | | Egawa River | Tributary | Shimotsukeshi City | 2013/5/23 | Sunny | 0.5 | 0.0 | >100 | 19 | 3 | 1.2 | <1 | <1 |
| 39 | | | | | | 2013/5/23 | Sunny | 0.7 | 0.0 | 32 | 21 | 15 | 10.0 | <1 | <1 |
| 40 | | | Akaborigawa River | Kiwadajima | Nikkoshi City | 2013/6/20 | Cloudy | 1.1 | 0.0 | 41 | 20 | 16 | 7.4 | <1 | <1 |
| 41 | | | | | | 2013/6/7 | Cloudy | 0.3 | 0.0 | >100 | 11 | 6 | 0.7 | <1 | <1 |
| 42 | | Tagawa River | Ozobashi Bridge | Utsunomiyashi City | 2013/6/12 | Cloudy | 0.4 | 0.0 | 70 | 15 | 8 | 2.3 | <1 | <1 | |
| 43 | | | | | 2013/5/28 | Cloudy | 0.4 | 0.0 | >100 | 14 | 6 | 1.9 | <1 | <1 | |
| 44 | | Kamagawa River | Tsukushibashi Bridge | Utsunomiyashi City | 2013/6/20 | Cloudy | 0.4 | 0.0 | >100 | 14 | 4 | 1.9 | <1 | <1 | |
| 45 | | | | | 2013/5/24 | Sunny | 0.1 | 0.0 | >100 | 31 | 7 | 1.9 | <1 | <1 | |
| 46 | | Tagawa River | Mejibashi Bridge | Kaminokawamachi Town | 2013/5/23 | Sunny | 0.2 | 0.0 | >100 | 23 | 7 | 2.7 | <1 | <1 | |
| 47 | | | | | 2013/5/22 | Sunny | 0.5 | 0.0 | 32 | 25 | 28 | 7.0 | <1 | <1 | |
| 48 | | Kurokawa River | Kaijimbashi Bridge | Kanumashi City | 2013/5/24 | Sunny | 0.1 | 0.0 | >100 | 12 | 2 | 1.5 | <1 | <1 | |
| 49 | | | | | 2013/5/24 | Sunny | 0.2 | 0.0 | >100 | 17 | 7 | 2.5 | <1 | <1 | |
| 50 | | Oashigawa River | Akaishibashi Bridge | Kanumashi City | 2013/5/24 | Sunny | 0.5 | 0.0 | >100 | 10 | 4 | 1.5 | <1 | <1 | |
| 51 | | | | | 2013/5/24 | Sunny | 0.2 | 0.0 | >100 | 17 | 7 | 2.5 | <1 | <1 | |
| 52 | Omoigawa River | Tamotsubashi Bridge | Tochigishi City | 2013/5/24 | Sunny | 0.5 | 0.0 | 30 | 9 | 61 | 17.0 | <1 | <1 | | |
| 53 | | | | 2013/5/23 | Sunny | 0.4 | 0.0 | 63 | 25 | 9 | 3.7 | <1 | <1 | | |
| 54 | Otoimeohashi Bridge | Oyamashi City | Oyamashi City | 2013/6/6 | Cloudy | 0.1 | 0.0 | >100 | 25 | 6 | 2.9 | <1 | <1 | | |
| 55 | | | | 2013/5/23 | Cloudy | 0.8 | 0.0 | 61 | 27 | 13 | 4.9 | <1 | <1 | | |
| 56 | Uzumagawa River | Uzumabashi Bridge | Tochigishi City | 2013/6/6 | Cloudy | 0.6 | 0.0 | 31 | 27 | 15 | 9.0 | <1 | <1 | | |
| 57 | | | | 2013/5/23 | Cloudy | 0.8 | 0.0 | 61 | 27 | 13 | 4.9 | <1 | <1 | | |
| 58 | W a t a r a s e g a w a R i v e r | W a t a r a s e g a w a R i v e r | Watarasegawa River | Watarasegawa River intake weir at Sori Power Station | Nikkoshi City | 2013/5/28 | Sunny | 0.3 | 0.0 | >100 | 19 | <1 | 0.3 | <1 | <1 |
| 59 | | | | | | 2013/6/5 | Sunny | 0.4 | 0.0 | >100 | 23 | <1 | 0.3 | <1 | <1 |
| 60 | | | | Hajikabashi Bridge | Ashikagashi City | 2013/5/22 | Cloudy | 0.6 | 0.0 | >100 | 16 | 6 | 2.3 | <1 | <1 |
| 61 | | | | | | 2013/5/22 | Sunny | 0.5 | 0.0 | >100 | 15 | 2 | 1.4 | <1 | <1 |
| 62 | | | | Nakabashi Bridge | Tatebayashishi City | 2013/5/22 | Sunny | 0.6 | 0.0 | 24 | 23 | 16 | 7.4 | <1 | <1 |
| 63 | | | | | | 2013/5/22 | Sunny | 0.6 | 0.0 | 24 | 23 | 16 | 7.4 | <1 | <1 |
| 64 | Shinkaibashi Bridge | Tochigishi City | 2013/5/22 | Sunny | 0.5 | 0.0 | 29 | 31 | 9 | 6.8 | <1 | <1 | | | |
| 65 | | | 2013/6/20 | Cloudy | 0.4 | 0.0 | 34 | 28 | 16 | 9.0 | <1 | <1 | | | |

* Sampling points for rivers are listed from north to south, and for different points along the river, from upstream to downstream.

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 | N a k a g a w a R i v e r S y s t e m | Nakagawa River | Ikuyobashishita | Nasushiobarashi City | 2013/5/31 | Sunny | 0.7 | 3 | 81.4 | Gravel/sand | <10 | 13 | 13 | | |
| 2 | | | Komeibashi Bridge | | 2013/5/31 | Sunny | 0.5 | 3 | 79.4 | Sand/gravel | 19 | 32 | 51 | | |
| 3 | | | Takaomatagawa River | Takaomatabashi Bridge | Nasumachi Town | 2013/5/31 | Sunny | 0.2 | 4 | 80.3 | Sand/gravel | 43 | 90 | 133 | |
| 4 | | | Yukawa River | Yukawabashi Bridge | | 2013/5/31 | Sunny | 0.3 | 5 | 78.9 | Gravel/sand | 25 | 70 | 95 | |
| 5 | | | Nakagawa River | Kamikuroiso | Nasushiobarashi City/ Nasumachi Town | 2013/5/31 | Sunny | 0.3 | 4 | 83.0 | Sand/gravel | 31 | 60 | 91 | |
| 6 | | | Yosasagawa River | Yosasabashi Bridge | Nasumachi Town | 2013/6/10 | Sunny | 0.2 | 3 | 83.0 | Gravel/sand | 19 | 30 | 49 | |
| 7 | | | Kurokawa River | Shindenbashi Bridge | | 2013/5/31 | Sunny | 0.5 | 3 | 76.9 | Sand/gravel | 23 | 55 | 78 | |
| 8 | | | Kurokawa River | Shindenbashi Bridge | | 2013/6/3 | Sunny | 0.4 | 4 | 81.9 | Sand/gravel | 30 | 74 | 104 | |
| 9 | | | Yosasagawa River | Kawadabashi Bridge | | 2013/5/30 | Cloudy | 0.2 | 5 | 77.0 | Sand | 41 | 62 | 103 | |
| 10 | | | Yosasagawa River | Kawadabashi Bridge | | 2013/6/10 | Sunny | 0.2 | 5 | 78.5 | Sand/gravel | 36 | 73 | 109 | |
| 11 | | | Nakagawa River | Kurobane | Otawarashi City | 2013/5/30 | Cloudy | 0.5 | 5 | 83.2 | Gravel/sand | 23 | 36 | 59 | |
| 12 | | | Nakagawa River | Kurobane | Otawarashi City | 2013/6/17 | Sunny | 0.5 | 8 | 84.9 | Gravel/sand | 18 | 43 | 61 | |
| 13 | | | Matsubagawa River | Tributary | | 2013/5/30 | Cloudy | 0.3 | 5 | 83.7 | Gravel/sand | 23 | 45 | 68 | |
| 14 | | | Matsubagawa River | Tributary | | 2013/6/17 | Sunny | 0.7 | 8 | 84.6 | Gravel/sand | 13 | 23 | 36 | |
| 15 | | | Sabigawa River | Udagawabashi Bridge | | 2013/5/29 | Cloudy | 0.2 | 3 | 77.8 | Sand | 54 | 100 | 154 | |
| 16 | | | Momuragawa River | Momuranakabashi Bridge | | 2013/5/29 | Cloudy | 0.4 | 3 | 80.7 | Gravel/sand | 40 | 97 | 137 | |
| 17 | | | Hokigawa River | Yunohara | Nasushiobarashi City | 2013/6/3 | Sunny | 0.3 | 3 | 75.1 | Sand/gravel | 23 | 49 | 72 | |
| 18 | | | Hokigawa River | Sekibabashi Bridge | | 2013/6/3 | Sunny | 0.4 | 5 | 78.4 | Gravel/sand | 38 | 73 | 111 | |
| 19 | | | Hokigawa River | Iwaibashi Bridge | | 2013/5/29 | Cloudy | 0.5 | 4 | 81.2 | Gravel/sand | 20 | 35 | 55 | |
| 20 | | | Hokigawa River | Hokigawabashi Bridge | Otawarashi City | 2013/5/30 | Cloudy | 0.6 | 6 | 82.9 | Gravel/sand | <10 | 17 | 17 | |
| 21 | | | Hokigawa River | Hokigawabashi Bridge | | 2013/6/18 | Cloudy | 0.5 | 8 | 84.5 | Gravel/sand | <10 | 21 | 21 | |
| 22 | | | Nakagawa River | Shinnakabashi Bridge | | 2013/5/30 | Cloudy | 0.6 | 5 | 93.2 | Gravel/sand | 10 | 23 | 33 | |
| 23 | | | Nakagawa River | Shinnakabashi Bridge | Nakagawamachi Town | 2013/6/19 | Light rain | 0.5 | 8 | 85.3 | Gravel/sand | <10 | 19 | 19 | |
| 24 | | | Mumogawa River | Koseibashi Bridge | | 2013/5/29 | Cloudy | 0.7 | 3 | 79.2 | Sand/gravel | 12 | 19 | 31 | |
| 25 | | Mumogawa River | Koseibashi Bridge | | 2013/6/18 | Cloudy | 1.0 | 5 | 79.7 | Sand/gravel | <10 | 22 | 22 | | |
| 26 | | Arakawa River | Saikachibashi Bridge | Shioyomachi Town | 2013/5/29 | Cloudy | 0.3 | 5 | 80.4 | Gravel/sand | 51 | 140 | 191 | | |
| 27 | | Arakawa River | Renjobashi Bridge | Sakurashi City | 2013/5/27 | Cloudy | 0.3 | 3 | 71.0 | Sand/gravel | 22 | 41 | 63 | | |
| 28 | | Uchikawa River | Tanakabashi Bridge | Yaitashi City | 2013/5/29 | Cloudy | 0.2 | 4 | 79.4 | Gravel/sand | 29 | 56 | 85 | | |
| 29 | | Uchikawa River | Asahibashi Bridge | Sakurashi City | 2013/5/27 | Cloudy | 0.5 | 3 | 82.4 | Gravel/sand | 34 | 60 | 94 | | |
| 30 | | Arakawa River | Mukadabashi Bridge | | 2013/5/27 | Cloudy | 0.8 | 3 | 71.2 | Sand/silt | 28 | 56 | 84 | | |
| 31 | | Arakawa River | Mukadabashi Bridge | Nasukarasuyamashi City | 2013/6/19 | Cloudy | 0.4 | 5 | 79.9 | Gravel/sand | 12 | 15 | 27 | | |
| 32 | | Egawa River | Tributary | | 2013/5/27 | Sunny | 0.4 | 5 | 81.7 | Gravel/sand | 17 | 28 | 45 | | |
| 33 | | Egawa River | Tributary | | 2013/6/19 | Cloudy | 0.5 | 5 | 83.3 | Gravel/sand | <10 | 18 | 18 | | |
| 34 | R i v e r S y s t e m | R i v e r S y s t e m | Kinugawa River | Kawaji Daiichi Power Station, front | 2013/6/4 | Sunny | 0.5 | 5 | 82.3 | Gravel/sand | 13 | 25 | 38 | | |
| 35 | | | Yunishigawa River | Maesawabashi Bridge | 2013/6/3 | Sunny | 0.4 | 3 | 81.6 | Sand/gravel | <10 | 13 | 13 | | |
| 36 | | | Ojikagawa River | Tributary | 2013/6/4 | Sunny | 0.6 | 4 | 95.0 | Gravel/sand | <10 | 14 | 14 | | |
| 37 | | | Kinugawa River | Kosagoe | 2013/6/4 | Sunny | 0.5 | 3 | 86.4 | Gravel/sand | 11 | 24 | 35 | | |
| 38 | | | Itaanagawa River | | 2013/6/11 | Sunny | 0.2 | 5 | 82.4 | Gravel/sand | 24 | 51 | 75 | | |
| 39 | | | Tributary | | 2013/6/24 | Sunny | 0.4 | 5 | 82.4 | Gravel/sand | 28 | 53 | 81 | | |
| 40 | | | Yukawa River | | 2013/6/5 | Sunny | 0.2 | 5 | 77.9 | Gravel/sand | <10 | <10 | - | | |
| 41 | | | Daiyagawa River | Shinkyō Bridge | 2013/6/4 | Sunny | 0.3 | 3 | 74.6 | Sand/gravel | 25 | 50 | 75 | | |

| 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 | | | |
| 32 | T o n e g a w a R i v e r S y s t e m | K i n u g a w a R i v e r S y s t e m | Shidobuchigawa River | Sujichigaibashi Bridge | Nikkoshi City | 2013/6/4 | Sunny | 0.3 | 4 | 83.8 | Gravel/sand | 72 | 140 | 212 | |
| 33 | | | Daiyagawa River | Kaishinbashi Bridge (Harigai) | Nikkoshi City | 2013/6/11 | Sunny | 0.4 | 4 | 78.5 | Sand/gravel | <10 | 16 | 16 | |
| 34 | | | Kinugawa River | Sanuki | Shioyamachi Town | 2013/6/24 | Sunny | 0.3 | 4 | 78.5 | Gravel/sand | <10 | 15 | 15 | |
| | | | | | | 2013/6/11 | Cloudy | 0.5 | 6 | 53.3 | Silt/sand | 150 | 320 | 470 | |
| 35 | | | Nishikinugawa River | Nishikinugawabashi Bridge | Utsunomiya City | 2013/5/27 | Cloudy | 1.0 | 3 | 84.4 | Gravel/sand | 17 | 39 | 56 | |
| 36 | | | Kinugawa River | Kinugawabashi Bridge (Hoshakuj Temple) | Utsunomiya City | 2013/5/27 | Sunny | 0.7 | 1 | 75.2 | Sand/gravel | <10 | 31 | 31 | |
| 37 | | | | Daidoizumbashi Bridge | Mookashi City | 2013/5/23 | Sunny | 0.5 | 5 | 79.4 | Sand/gravel | <10 | <10 | - | |
| 38 | | | Egawa River | Tributary | Shimotsukeshi City | 2013/5/23 | Sunny | 0.7 | 5 | 83.7 | Sand/gravel | 13 | 28 | 41 | |
| | | | | | | 2013/6/20 | Cloudy | 1.1 | 6 | 82.9 | Gravel/sand | 12 | 18 | 30 | |
| 39 | | | Akaborigawa River | Nikko City Hall, front | Nikkoshi City | 2013/6/7 | Cloudy | 0.3 | 3 | 78.7 | Sand/gravel | 90 | 220 | 310 | |
| 40 | | | | | | Kiwadajima | 2013/6/12 | Cloudy | 0.4 | 5 | 69.7 | Sand/gravel | 67 | 120 | 187 |
| 41 | | | Tagawa River | Ozobashi Bridge | Utsunomiya City | 2013/5/28 | Cloudy | 0.4 | 3 | 80.8 | Sand/gravel | 17 | 47 | 64 | |
| | | | | | | 2013/6/20 | Cloudy | 0.4 | 7 | 85.1 | Gravel/sand | 10 | 13 | 23 | |
| 42 | | | Kamagawa River | Tsukushibashi Bridge | Utsunomiya City | 2013/5/24 | Sunny | 0.1 | 5 | 77.0 | Gravel/sand | 46 | 87 | 133 | |
| 43 | | | Tagawa River | Mejibashi Bridge | Kaminokawamachi Town | 2013/5/23 | Sunny | 0.2 | 5 | 79.8 | Gravel/sand | 13 | 19 | 32 | |
| 44 | | | Yanabashi Bridge | Oyamashi City | Oyamashi City | 2013/5/22 | Sunny | 0.5 | 10 | 81.0 | Gravel/sand | 23 | 43 | 66 | |
| 45 | 2013/5/24 | Sunny | | | | 0.1 | 5 | 81.9 | Gravel/sand | <10 | 19 | 19 | | | |
| 46 | Kurokawa River | Kajimabashi Bridge | Kanumashi City | 2013/5/24 | Sunny | 0.1 | 5 | 81.9 | Gravel/sand | <10 | 19 | 19 | | | |
| 47 | | Onaribashi Bridge | Mibumachi Town | 2013/5/24 | Sunny | 0.2 | 3 | 78.7 | Gravel/sand | <10 | 13 | 13 | | | |
| 48 | Oashigawa River | Akaishibashi Bridge | Kanumashi City | 2013/5/24 | Sunny | 0.5 | 3 | 82.3 | Gravel/sand | <10 | <10 | - | | | |
| 49 | Koyabugawa River | Koyabubashi Bridge | Kanumashi City | 2013/5/24 | Sunny | 0.2 | 8 | 80.5 | Gravel/sand | 13 | 33 | 46 | | | |
| 50 | Omoigawa River | Tamotsubashi Bridge | Tochigishi City | 2013/6/24 | Sunny | 0.5 | 5 | 85.1 | Sand/gravel | <10 | <10 | - | | | |
| | | | | 2013/5/23 | Sunny | 0.4 | 5 | 72.9 | Sand/silt | 18 | 44 | 62 | | | |
| 51 | Uzumagawa River | Uzumagawa River | Tochigishi City | 2013/6/6 | Cloudy | 0.1 | 5 | 85.2 | Gravel/sand | <10 | 13 | 13 | | | |
| | | | | 2013/5/23 | Cloudy | 0.8 | 5 | 55.0 | Silt | 72 | 120 | 192 | | | |
| 52 | Watarasegawa River | Watarasegawa River intake weir at Sori Power Station | Nikkoshi City | 2013/5/28 | Sunny | 0.3 | 10 | 80.6 | Sand/gravel | <10 | 18 | 18 | | | |
| | | | | 2013/6/5 | Sunny | 0.4 | 3 | 84.0 | Sand/gravel | <10 | 19 | 19 | | | |
| 53 | Watarasegawa River | Hajikabashi Bridge | Ashikagashi City | 2013/5/22 | Cloudy | 0.6 | 5 | 84.0 | Sand/gravel | 21 | 38 | 59 | | | |
| 54 | | | | 2013/5/22 | Sunny | 0.5 | 10 | 84.5 | Gravel/sand | <10 | <10 | - | | | |
| 55 | | | | 2013/5/22 | Sunny | 0.6 | 10 | 80.8 | Sand/gravel | <10 | 21 | 21 | | | |
| 56 | | | | 2013/5/22 | Sunny | 0.5 | 10 | 81.7 | Sand/gravel | 12 | 17 | 29 | | | |
| | | Shinkaibashi Bridge | Tochigishi City | 2013/6/20 | Cloudy | 0.4 | 5 | 78.8 | Sand/gravel | 12 | 22 | 34 | | | |

* Sampling points for rivers are listed from north to south, and for different points along the river, from upstream to downstream.

ORiver: 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)] | | | | Property | Concentration of radioactive material [Bq/kg (dry)] | | | | | |
| | | | | | | | Radioactive cesium | | | Air dose (μ Sv/h) | | Radioactive cesium | | | Air dose (μ Sv/h) | | |
| | | | | | | | Cs-134 | Cs-137 | Total | | | Cs-134 | Cs-137 | | | Total | |
| 1 | Nakagawa River | Nakagawa River | Ikyobashishita | Nasushiobarashi City | 2013/5/31 | Sunny | - | - | - | - | Loamy | 290 | 660 | 950 | 0.12 | (Left bank) Soil not exposed | |
| 2 | | Komeibashi Bridge | Nasushiobarashi City | 2013/5/31 | Sunny | Loamy | 1,900 | 3,900 | 5,800 | 0.25 | Loamy | 420 | 840 | 1,260 | 0.20 | | |
| 3 | | Takaomatagawa River | Takaomatashi Bridge | Nasumachi Town | 2013/5/31 | Sunny | Loamy | 400 | 810 | 1,210 | 0.28 | Loamy | 1,400 | 2,800 | 4,200 | 0.24 | |
| 4 | | Yukawa River | Yukawabashi Bridge | Nasumachi Town | 2013/5/31 | Sunny | Loamy | 500 | 1,100 | 1,600 | 0.35 | Loamy | 760 | 1,600 | 2,360 | 0.28 | |
| 5 | | Nakagawa River | Kamikuroiso | Nasushiobarashi City/ Nasumachi Town | 2013/5/31 | Sunny | Loamy | 870 | 1,700 | 2,570 | 0.28 | Loamy | 1,500 | 3,000 | 4,500 | 0.27 | |
| 6 | | Yosagawa River | Yosabashi Bridge | Nasumachi Town | 2013/5/31 | Sunny | Loamy | 2,000 | 4,000 | 6,000 | 0.31 | Loamy | 1,800 | 3,600 | 5,400 | 0.26 | |
| 7 | | Kurokawa River | Shindenbashi Bridge | Nasumachi Town | 2013/6/3 | Sunny | Loamy | 370 | 830 | 1,200 | 0.39 | Loamy | 2,100 | 4,100 | 6,200 | 0.34 | |
| 8 | | Yosagawa River | Kawadabashi Bridge | Nasumachi Town | 2013/5/30 | Cloudy | Loamy | 850 | 1,700 | 2,550 | 0.24 | Loamy | 1,500 | 2,900 | 4,400 | 0.34 | |
| 9 | | Nakagawa River | Kurobane | Otarashi City | 2013/6/10 | Sunny | Loamy | 580 | 1,100 | 1,680 | 0.26 | Loamy | 2,800 | 5,700 | 8,500 | 0.27 | |
| 10 | | Matsubagawa River | Tributary | Otarashi City | 2013/5/30 | Cloudy | Loamy | 410 | 810 | 1,220 | 0.16 | Loamy | 160 | 310 | 470 | 0.10 | |
| 11 | | Sabigawa River | Udagawabashi Bridge | Otarashi City | 2013/6/17 | Sunny | Loamy | 550 | 1,100 | 1,650 | 0.18 | Loamy | 330 | 690 | 1,020 | 0.11 | |
| 12 | | Momuragawa River | Momuranakabashi Bridge | Otarashi City | 2013/5/30 | Cloudy | Loamy | 190 | 410 | 600 | 0.11 | Loamy | 260 | 550 | 810 | 0.16 | |
| 13 | | Momuragawa River | Momuranakabashi Bridge | Otarashi City | 2013/6/17 | Sunny | Loamy | 420 | 880 | 1,300 | 0.13 | Loamy | 370 | 760 | 1,130 | 0.14 | |
| 14 | | Hokigawa River | Yunohara | Nasushiobarashi City | 2013/5/29 | Cloudy | Loamy | 280 | 570 | 850 | 0.13 | Loamy | 250 | 530 | 780 | 0.09 | |
| 15 | | Hokigawa River | Sekibabashi Bridge | Nasushiobarashi City | 2013/5/29 | Cloudy | Loamy | 220 | 430 | 650 | 0.18 | Loamy | 230 | 490 | 720 | 0.13 | |
| 16 | | Hokigawa River | Iwaibashi Bridge | Otarashi City | 2013/5/30 | Cloudy | Loamy | 150 | 300 | 450 | 0.09 | Loamy | 120 | 260 | 380 | 0.09 | |
| 17 | | Nakagawa River | Shinnakabashi Bridge | Nakagawamachi Town | 2013/6/18 | Cloudy | Loamy | 1,100 | 2,200 | 3,300 | 0.11 | Loamy | 85 | 200 | 285 | 0.10 | |
| 18 | | Mumogawa River | Koseibashi Bridge | Nakagawamachi Town | 2013/5/30 | Cloudy | Loamy | 51 | 120 | 171 | 0.09 | Loamy | 33 | 62 | 95 | 0.10 | |
| 19 | | Mumogawa River | Koseibashi Bridge | Nakagawamachi Town | 2013/6/19 | Light rain | Loamy | 120 | 280 | 400 | 0.08 | Loamy | 130 | 290 | 420 | 0.11 | |
| 20 | | Arakawa River | Saikachibashi Bridge | Shioyamachi Town | 2013/5/29 | Cloudy | Loamy | 54 | 100 | 154 | 0.10 | Loamy | 58 | 130 | 188 | 0.10 | |
| 21 | | Arakawa River | Renjobashi Bridge | Sakurashi City | 2013/6/18 | Cloudy | Loamy | 100 | 230 | 330 | 0.09 | Loamy | 110 | 240 | 350 | 0.11 | |
| 22 | | Uchikawa River | Tanakabashi Bridge | Yaitashi City | 2013/5/27 | Cloudy | Loamy | 240 | 480 | 720 | 0.15 | Loamy | 110 | 250 | 360 | 0.15 | |
| 23 | | Uchikawa River | Ashibashi Bridge | Sakurashi City | 2013/5/27 | Cloudy | Loamy | 210 | 460 | 670 | 0.09 | Loamy | 140 | 260 | 400 | 0.09 | |
| 24 | | Arakawa River | Mukadabashi Bridge | Nasukarasuyamashi City | 2013/5/27 | Cloudy | Loamy | 72 | 150 | 222 | 0.08 | Sandy | 130 | 290 | 420 | 0.09 | |
| 25 | Kinugawa River | Kawaji Daichi Power Station, front | Nasukarasuyamashi City | 2013/6/19 | Cloudy | Loamy | 130 | 270 | 400 | 0.09 | Loamy | 180 | 340 | 520 | 0.08 | | |
| 26 | Kinugawa River | Kawaji Daichi Power Station, front | Nasukarasuyamashi City | 2013/5/27 | Sunny | Loamy | 110 | 220 | 330 | 0.08 | Loamy | 49 | 120 | 169 | 0.08 | | |
| 27 | Yunishigawa River | Maesawabashi Bridge | Nasukarasuyamashi City | 2013/6/19 | Cloudy | Loamy | 180 | 370 | 550 | 0.08 | Loamy | 97 | 210 | 307 | 0.08 | | |
| 28 | Ojikagawa River | Tributary | Nasukarasuyamashi City | 2013/6/4 | Sunny | Loamy | 460 | 900 | 1,360 | 0.01 | Loamy | 490 | 1,000 | 1,490 | 0.18 | | |
| 29 | Kinugawa River | Kosagoe | Nikkoshi City | 2013/6/3 | Sunny | Loamy | 42 | 96 | 138 | 0.09 | Loamy | 24 | 52 | 76 | 0.06 | | |
| 30 | Itaanagawa River | Tributary | Nikkoshi City | 2013/6/4 | Sunny | Sandy | 35 | 67 | 102 | 0.12 | Sandy | 580 | 1,200 | 1,780 | 0.21 | | |
| 31 | Yukawa River | Tributary | Nikkoshi City | 2013/6/4 | Sunny | Loamy | 610 | 1,200 | 1,810 | 0.20 | Loamy | 830 | 1,800 | 2,630 | 0.17 | | |
| 32 | Yukawa River | Tributary | Nikkoshi City | 2013/6/11 | Sunny | Loamy | 940 | 1,900 | 2,840 | 0.25 | Loamy | 1,000 | 2,100 | 3,100 | 0.22 | | |
| 33 | Yukawa River | Tributary | Nikkoshi City | 2013/6/24 | Sunny | Loamy | 800 | 1,600 | 2,400 | 0.28 | Loamy | 980 | 2,000 | 2,980 | 0.23 | | |
| 34 | Daiyagawa River | Shinkyō Bridge | Nikkoshi City | 2013/6/5 | Sunny | Loamy | 65 | 130 | 195 | 0.09 | - | - | - | - | (Right bank) Unable to collect samples due to private property | | |
| 35 | Daiyagawa River | Shinkyō Bridge | Nikkoshi City | 2013/6/4 | Sunny | Loamy | 470 | 840 | 1,310 | 0.15 | Loamy | 840 | 1,800 | 2,640 | 0.12 | | |

| Sampling point | | | | Sampling date | Weather | Left bank | | | | | | Right bank | | | | Remarks | |
|----------------|----------------------|--|--|----------------------|-----------|--------------|----------|---|--------|-------|---------------------------|------------|---|--------|-------|---------|------------------------------|
| No. | Water body | | Point | | | Municipality | Property | Concentration of radioactive material [Bq/kg (dry)] | | | | Property | Concentration of radioactive material [Bq/kg (dry)] | | | | |
| | | | | | | | | Radioactive cesium | | | Air dose (μ Sv/h) | | Radioactive cesium | | | | Air dose (μ Sv/h) |
| | | | | | | | | Cs-134 | Cs-137 | Total | | | Cs-134 | Cs-137 | Total | | |
| 32 | Shidobuchigawa River | | Sujichigabashi Bridge | Nikkoshi City | 2013/6/4 | Sunny | Loamy | 860 | 1,700 | 2,560 | 0.17 | Loamy | 2,400 | 4,700 | 7,100 | 0.17 | |
| 33 | Daiyagawa River | | Kaishinbashi Bridge (Harigai) | | 2013/6/11 | Sunny | Loamy | 1,100 | 2,100 | 3,200 | 0.19 | Sandy | 22 | 50 | 72 | 0.09 | |
| | | | | | 2013/6/24 | Sunny | Loamy | 520 | 1,100 | 1,620 | 0.17 | Sandy | 12 | 25 | 37 | 0.09 | |
| 34 | Kinugawa River | | Sanuki | Shioyamachi Town | 2013/6/11 | Cloudy | Loamy | 470 | 1,000 | 1,470 | 0.16 | Loamy | 950 | 2,000 | 2,950 | 0.11 | |
| | | | | | 2013/6/24 | Sunny | Loamy | 570 | 1,300 | 1,870 | 0.15 | Loamy | 1,700 | 3,500 | 5,200 | 0.19 | |
| 35 | Nishikinugawa River | | Nishikinugawabashi Bridge | Utsunomiya City | 2013/5/27 | Cloudy | Loamy | 88 | 180 | 268 | 0.08 | Loamy | 63 | 120 | 183 | 0.08 | |
| 36 | Kinugawa River | | <small>Kinugawabashi Bridge (Hoshakoji Temple)</small> | | 2013/5/27 | Sunny | Loamy | 26 | 61 | 87 | 0.08 | Loamy | 44 | 110 | 154 | 0.09 | |
| 37 | | | Daidoizumibashi Bridge | Mookashi City | 2013/5/23 | Sunny | Loamy | 41 | 83 | 124 | 0.08 | Loamy | <10 | 12 | 12 | 0.07 | |
| 38 | Egawa River | | Tributary | Shimotsukeshi City | 2013/5/23 | Sunny | Loamy | 120 | 210 | 330 | 0.09 | Loamy | 72 | 150 | 222 | 0.07 | |
| | | | | | 2013/6/20 | Cloudy | Loamy | 600 | 1,300 | 1,900 | 0.07 | Loamy | 220 | 410 | 630 | 0.09 | |
| 39 | Akaborigawa River | | Nikko City Hall, front | Nikkoshi City | 2013/6/7 | Cloudy | - | - | - | - | - | Loamy | 750 | 1,600 | 2,350 | 0.10 | (Left bank) Soil not exposed |
| 40 | | | Kiwadajima | | 2013/6/12 | Cloudy | Loamy | 490 | 1,000 | 1,490 | 0.11 | Loamy | 280 | 570 | 850 | 0.12 | |
| 41 | Tagawa River | | Ozobashi Bridge | Utsunomiya City | 2013/5/28 | Cloudy | Loamy | 89 | 200 | 289 | 0.08 | Loamy | 200 | 400 | 600 | 0.10 | |
| | | | | | 2013/6/20 | Cloudy | Loamy | 120 | 270 | 390 | 0.07 | Loamy | 490 | 940 | 1,430 | 0.09 | |
| 42 | Kamagawa River | | Tsukushibashi Bridge | Kaminokawamachi Town | 2013/5/24 | Sunny | Loamy | 160 | 320 | 480 | 0.08 | Loamy | 470 | 920 | 1,390 | 0.08 | |
| 43 | Tagawa River | | Meijibashi Bridge | | 2013/5/23 | Sunny | Sandy | 89 | 160 | 249 | 0.07 | Loamy | 120 | 220 | 340 | 0.07 | |
| 44 | | | Yanabashi Bridge | Oyamashi City | 2013/5/22 | Sunny | Loamy | 51 | 77 | 128 | 0.06 | Loamy | 26 | 71 | 97 | 0.06 | |
| 45 | Kurokawa River | | Kajimabashi Bridge | Kanumashi City | 2013/5/24 | Sunny | Loamy | 85 | 190 | 275 | 0.05 | Loamy | 84 | 170 | 254 | 0.06 | |
| 46 | | | Onaribashi Bridge | Mibumachi Town | 2013/5/24 | Sunny | Loamy | 130 | 220 | 350 | 0.07 | Loamy | 240 | 520 | 760 | 0.09 | |
| 47 | Oashigawa River | | Akaishibashi Bridge | Kanumashi City | 2013/5/24 | Sunny | Loamy | 130 | 250 | 380 | 0.07 | Sandy | 240 | 510 | 750 | 0.08 | |
| 48 | Koyabugawa River | | Koyabubashi Bridge | | 2013/5/24 | Sunny | Loamy | 120 | 280 | 400 | 0.07 | Loamy | 120 | 230 | 350 | 0.08 | |
| 49 | Omoigawa River | | Tamotsubashi Bridge | Tochigishi City | 2013/6/24 | Sunny | Loamy | 160 | 350 | 510 | 0.08 | Loamy | 150 | 310 | 460 | 0.08 | |
| | | | Otomeohashi Bridge | Oyamashi City | 2013/5/23 | Sunny | Loamy | 93 | 180 | 273 | 0.10 | Loamy | 120 | 200 | 320 | 0.07 | |
| 50 | | | | | 2013/6/6 | Cloudy | Loamy | 240 | 450 | 690 | 0.11 | Loamy | 150 | 340 | 490 | 0.09 | |
| 51 | Uzumagawa River | | Uzumabashi Bridge | Tochigishi City | 2013/5/23 | Cloudy | Loamy | 59 | 110 | 169 | 0.10 | Loamy | 60 | 110 | 170 | 0.08 | |
| | | | | | 2013/6/6 | Cloudy | Loamy | 150 | 290 | 440 | 0.09 | Loamy | 120 | 250 | 370 | 0.07 | |
| 52 | Watarasegawa River | | Watarasegawa River intake weir at Sori Power Station | Nikkoshi City | 2013/5/28 | Sunny | Sandy | 24 | 59 | 83 | 0.16 | Sandy | 35 | 69 | 104 | 0.20 | |
| | | | | | 2013/6/5 | Sunny | Loamy | 82 | 180 | 262 | 0.21 | Sandy | 32 | 53 | 85 | 0.20 | |
| 53 | | | Hajikabashi Bridge | Ashikagashi City | 2013/5/22 | Cloudy | Loamy | 58 | 120 | 178 | 0.07 | Loamy | 97 | 180 | 277 | 0.07 | |
| 54 | | | Nakabashi Bridge | | 2013/5/22 | Sunny | Loamy | 76 | 170 | 246 | 0.07 | Loamy | 47 | 86 | 133 | 0.07 | |
| 55 | | | Wataraseohashi Bridge | Tatebayashishi City | 2013/5/22 | Sunny | Loamy | 120 | 200 | 320 | 0.07 | Loamy | 220 | 460 | 680 | 0.08 | |
| 56 | | | Shinkaibashi Bridge | Tochigishi City | 2013/5/22 | Sunny | Loamy | 89 | 150 | 239 | 0.07 | Loamy | 81 | 170 | 251 | 0.07 | |
| | | | | | 2013/6/20 | Cloudy | Loamy | 81 | 180 | 261 | 0.09 | Loamy | 210 | 420 | 630 | 0.08 | |

* 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.

○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 | Nakagawa River System | Miyama Dam Reservoir | Center | Nasushiobarashi City | Surface layer | 2013/6/10 | Cloudy | 28.1 | 0.5 | 5.1 | 9 | 1 | 0.9 | <1 | <1 | |
| | | | | | Lower layer | | | 27.1 | | 9 | 1 | 1.1 | <1 | <1 | | |
| 2 | | Shiobara Dam Reservoir | Center | | Surface layer | 2013/6/18 | Light rain | 19.4 | 0.5 | 3.3 | 21 | 1 | 2.6 | <1 | <1 | |
| | | | | | Lower layer | | | 18.4 | | 19 | 3 | 6.0 | <1 | <1 | | |
| 3 | K i n u s e g a w a R i v e r S y s t e m | Kawaji Dam Reservoir | Center | | Surface layer | 2013/6/11 | Cloudy | 68.3 | 0.5 | 3.2 | 8 | <1 | 1.6 | <1 | <1 | |
| | | | | | Lower layer | | | 67.3 | | 83 | 1 | 0.9 | <1 | <1 | | |
| 4 | | Ikari Dam Reservoir | Center | | Surface layer | 2013/6/13 | Cloudy | 55.1 | 0.5 | 6.3 | 6 | <1 | 0.6 | <1 | <1 | |
| | | | | | Lower layer | | | 54.1 | | 7 | <1 | 0.7 | <1 | <1 | | |
| 5 | | Kawamata Dam Reservoir | Center | Nikkoshi City | Surface layer | 2013/6/14 | Cloudy | 48.2 | 0.5 | 4.5 | 10 | 1 | 2.7 | <1 | <1 | |
| | | | | | Lower layer | | | 47.2 | | 11 | 1 | 4.2 | <1 | <1 | | |
| 6 | | Yunoko Lake | Center | | Surface layer | 2013/6/14 | Cloudy | 11.7 | 0.5 | 2.1 | 17 | 4 | 3.0 | <1 | <1 | |
| | | | | | Lower layer | | | 10.7 | | 18 | 3 | 3.0 | <1 | <1 | | |
| 7 | | Chuzenjiko Lake | Center | | Surface layer | 2013/6/7 | Cloudy | 165.0 | 0.5 | 6.9 | 11 | <1 | 0.9 | <1 | <1 | |
| | | | | | Lower layer | | | 164.0 | | 12 | 4 | 1.6 | <1 | <1 | | |
| 8 | Watarasegawa River System | Watarase Reservoir | Center | Tochigishi City | Surface layer | 2013/6/6 | Cloudy | 3.7 | 0.5 | 0.5 | 20 | 21 | 16.0 | <1 | <1 | |
| | | | | | Lower layer | | | 2.7 | | 19 | 18 | 16.0 | <1 | <1 | | |

• Sampling points are listed from north to south.

○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 | | | | | | | Municipality | General items | | | Concentration of radioactive material [Bq/kg (dried mud)] | | | Property | Soil | | | | |
| | | | | | | | | | Mud sampling depth (cm) | Mud content (%) | Property | Cs-134 | Cs-137 | Total | | Concentration of radioactive material [Bq/kg (dry)] | | | Air dose (μSv/h) | |
| 1 | Nakagawa River System | Miyama Dam Reservoir | Center | Nasushiobarashi City | 2013/6/10 | Cloudy | 1900/1/28 | 10 | 32 | Silt/sand | 74 | 210 | 284 | Loamy | 380 | 780 | 1,160 | 0.14 | | |
| 2 | | Shiobara Dam Reservoir | Center | Nasushiobarashi City | 2013/6/18 | Light rain | 1900/1/19 | 10 | 37 | Silt | 390 | 770 | 1,160 | Loamy | 880 | 1,800 | 2,680 | 0.36 | | |
| 3 | Kinugawa River System | Kawaji Dam Reservoir | Center | Nikkoshi City | 2013/6/11 | Cloudy | 1900/3/8 | 10 | 34 | Silt | 270 | 580 | 850 | Loamy | 2,200 | 4,600 | 6,800 | 0.22 | | |
| 4 | | Ikari Dam Reservoir | Center | Nikkoshi City | 2013/6/13 | Cloudy | 1900/2/24 | 10 | 35 | Silt | 830 | 1,700 | 2,530 | Loamy | 780 | 1,700 | 2,480 | 0.24 | | |
| 5 | | Kawamata Dam Reservoir | Center | Nikkoshi City | 2013/6/14 | Cloudy | 1900/2/17 | 10 | 34 | Silt | 110 | 220 | 330 | Loamy | 51 | 140 | 191 | 0.08 | | |
| 6 | | Yunoko Lake | Center | Nikkoshi City | 2013/6/14 | Cloudy | 1900/1/11 | 10 | 19 | Silt | 56 | 230 | 286 | Loamy | 94 | 190 | 284 | 0.08 | | |
| 7 | | Chuzenjiko Lake | Center | Nikkoshi City | 2013/6/7 | Cloudy | 1900/6/13 | 10 | 17 | Silt | 120 | 300 | 420 | Loamy | 290 | 650 | 940 | 0.12 | | |
| 8 | Watarasegawa River System | Watarase Reservoir | Center | Tochigishi City | 2013/6/6 | Cloudy | 1900/1/3 | 10 | 44 | Silt | 67 | 110 | 177 | Loamy | 110 | 230 | 340 | 0.07 | | |

• 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 are listed from north to south.

• Air dose was measured with a survey meter, TCS-172B of Hitachi-Aloka Medical, Ltd.

