OResults of Radioactive Material Monitoring of Aquatic Organisms (Location L off Soma City)

<Location L off Soma City: Samples collected>

| Items | Gener | al items | Radioactive materials | | | | | | | | | |
|-----------|-------|----------|-----------------------|------------|---------------|---------------|--|--|--|--|--|--|
| Locations | Water | Sediment | Water (Cs) | Water (Sr) | Sediment (Cs) | Sediment (Sr) | | | | | | |
| L-1 | - | 0 | - | - | 0 | - | | | | | | |
| L-2 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| L-3 | 0 | 0 | 0 | - | 0 | - | | | | | | |

<Location L off Soma City: Site measurement item>

| Items | atitude and long | itude of the locati | S | urvey date and tir | ne | Water | | S | | Other | | |
|-----------|-----------------------|------------------------|------------|--------------------|--------------------|-------------------------------------|--|--------------------|---------|--------------|--------------------|---------------------|
| Locations | Scheduled latitude | Scheduled longitude | Date | Time (water) | Time (sediment) | Water temperature (degrees C) | Sediment temperature (degrees C) | Property | Color | Contaminants | Water depth (m) | Transparency (m) |
| L-1 | 37.8210° | 140.9610° | | - | 09:45 | - | 10.3 | Silt with sediment | 5Y3/2 | None | - | - |
| L-2 | 37.8155° | 140.9763° | 2015/12/10 | 08:30 | 09:20 | 10.4 | 10.4 | Sand | 5Y3/2 | None | 1.3 | >1.3 |
| L-3 | 37.8217° | 140.9765° | | 08:15 | 09:32 | 10.1 | 9.9 | Sand with silt | 7.5Y3/1 | None | 1.3 | >1.3 |

<Location L off Soma City: General survey items/Analysis of radioactive materials Water>

| Items | Latitude and long | itude of the location | Survey da | te and time | | BOD | 000 | DO | Electrical conductivity | 1 | TOC | | Truck dias | C= 124 | C- 127 | S= 00 |
|-----------|-------------------|-----------------------|------------|-------------|-----|----------|--------|--------|-------------------------|----------|--------|--------|------------|--------|--------|--------|
| Locations | Scheduled | Scheduled | Date | Time (water | pH | (mg/L) | (mg/L) | (mg/L) | (mS/m) | Salinity | (mg/L) | (mg/L) | (FNU) | (Ba/L) | (Ba/L) | (Ba/L) |
| | latitude | longitude | Dute | | | (116/12) | (| (9/) | (1115) 113) | | (| (| () | (| (| (|
| L-2 | 37.8155° | 140.9763° | 2015/12/10 | 8:30 | 8.0 | < 0.5 | 2.1 | 9.1 | 4720 | 32.08 | 1.0 | 2 | 0.7 | 0.0022 | 0.012 | - |
| L-3 | 37.8217° | 140.9765° | 2013/12/10 | 8:15 | 8.0 | < 0.5 | 2.2 | 9.2 | 4920 | 31.70 | 1.2 | 5 | 1.9 | 0.0029 | 0.014 | - |

<Location L off Soma City: General survey items/Analysis of radioactive materials Sediment>

| Items | Latitude and long | itude of the location | Survey da | te and time | | | | | | | | | (| Grain size dist | ribution | | | | | | |
|-----------|-----------------------|------------------------|------------|-----------------|-----|--------------------------------------|----------------------|-----------|-------------------|-------------------------------------|---------------------------|----------------------------------|---|--|-------------------------------------|---------------------------------------|-----------------------------|------------------------------|-----------------------|-----------------------|----------------------|
| Locations | Scheduled latitude | Scheduled longitude | Date | Time (sediment) | рН | Redox potential EN.H.E (mV) | Water content (%) | IL (%) | TOC (mg/g-dry) | Soil particle density (g/cm3) | Gravel (2-75mm) (%) | Coarse sand (0.85-2mm) (%) | Medium sand (0.25- 0.85mm) (%) | Fine sand (0.075- 0.25mm) (%) | Silt (0.005- 0.0075mm) (%) | Clay (Less than 0.005mm) (%) | Median grain diameter | Maximum grain diameter | Cs-134 (Bq/kg-dry) | Cs-137 (Bq/kg-dry) | Sr-90 (Bq/kg-dry) |
| L-1 | 37.8210° | 140.9610° | | 9:45 | 7.5 | 47 | 33.5 | 2.9 | 5.8 | 2.650 | 6.6 | 11.3 | 37.5 | 21.3 | 12.9 | 10.4 | 0.30 | 19 | 32 | 150 | - |
| L-2 | 37.8155° | 140.9763° | 2015/12/10 | 9:20 | 7.6 | 64 | 21.5 | 1.4 | 2.5 | 2.675 | 0.4 | 3.0 | 69.4 | 25.4 | 1.0 | 0.8 | 0.31 | 4.8 | 21 | 96 | N.D.(0.15) |
| L-3 | 37.8217° | 140.9765° | | 9:32 | 7.5 | 37 | 27.1 | 1.5 | 3.9 | 2.676 | 0.3 | 0.5 | 43.2 | 48.0 | 4.0 | 4.0 | 0.23 | 19 | 13 | 61 | - |

<Location L off Soma City: Survey items Aquatic organisms>

| Location | Sampling point | Latitude and longitude of the location | | Sampling Data | Division | Class | Order | Eamily | Species name | English same | Demulation | Sample | Note | | | Radioactive cesium (Bq/kg-wet) | | Sr-90 |
|----------|----------------|--|-----------|---------------|--------------|------------------|-----------|-------------|-------------------------|-----------------------------|------------|--------|--------------|------------------|----------------|--------------------------------|--------|-------------|
| Location | Samping point | Latitude | Longitude | Samping Date | Division | Class | Order | Faimy | Species name | English hame | ropulation | weight | Growth stage | Stomach contents | leasurement si | Cs-134 | Cs-137 | (Bq/kg-wet) |
| | | | | | Phycophyta | - | - | | - | Plankton (Planktonic algae) | - | 0.017 | - | - | - | 3.3 | 16 | - |
| L-1 | | 37.8210° | 140.9610° | | Angiospermae | Monocotyledoneae | - | Zosteraceae | Zostera marina | eel grass | - | 1.5 | - | - | - | 0.51 | 2.9 | - |
| L-2 | Matsukawaura | 37.8155° | 140.9763° | 2015/12/10 | Arthropod | Malacostraca | Decapoda | Varunidae | - | Hemigrapsus | 95 | 0.21 | Imago | - | - | 0.72 | 3.4 | - |
| L-3 | | 37.8217° | 140.9765° | | Mollusca | Bivalvia | Ostreoida | Ostreidae | Crassostrea gigas | Oyster | 30 | 0.45 | Imago | - | Molluscan body | 0.30 | 1.6 | - |
| | | | | | Mollusca | Bivalvia | Veneroida | Veneridae | Ruditapes philippinarum | Japanese littleneck | 197 | 0.61 | Imago | - | Molluscan body | 0.61 | 2.8 | - |

*1: Organisms were collected in or around the targeted water areas. *2: When multiple types of aquatic organisms were collected, a sample was prepared by mixing them. *3: For a sample made of multiple types of aquatic organisms, the name of the dominant one largest in number is underlined. *4: Basically, measurement was conducted for all organism samples. Viscera (somach and bowels) were removed for the measurement when possible so that undigested food and sediments, etc. in the digestive system would be excluded. *5: A statement in red in the "Growth stage" column shows the age assessed based on squama or otolith.

*2: A statement in red in the Grown stage column shows the age assessed based on squama or tointh.
*6: Plankton (suspended algae) is the residue remaining after the filtration of lake water or seawater with a plankton net (40µm-mesh).
*7: River bottom materials (incl. algae) are algae, etc. that were scratched off stones with a brush, etc. and may include very fine particles such as inorganic silt and clay.
*8: N.D. means to be below the detection limit and figures in parentheses show the detection limit.

*9: Activity concentrations include counting errors, but the details are omitted here.