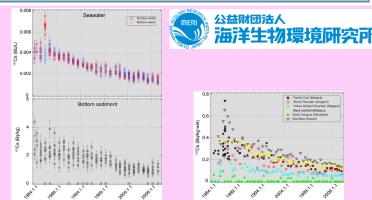
## Monitoring of Radionuclides in the Waters off Fukushima and Nearby Prefectures, Japan

## <sup>137</sup>Cs in Seawater, Sediment and Fish prior to the Accident

Since 1984, Marine Ecology Research Institute (MERI) have been monitoring the coastal areas for radionuclides in proximity to nuclear power plants all over Japan under the contract with the Japanese Ministry of Education, Sports, Science and Technology (MEXT). The monitoring includes seawater (surface and bottom waters), sediment, and fishes. The <sup>137</sup>Cs concentrations in seawater and sediments have been almost constant to be 0.0016 ± 0.0002 Bq/L and 0.87±0.41 Bq/kg, respectively, for 5 years prior the accident. Those in fishes were in a range from 0 to ca 0.2 Bq/kg depending on species.

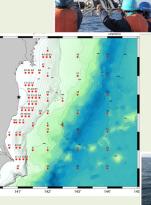


## **Monitoring the Waters**

Immediately after the Fukushima Daiichi Nuclear Power Plant (FDNPP) accident in 2011, MEXT launched an additional monitoring program to survey the accident's impact in the waters off Miyagi, Fukushima, and Ibaraki Prefectures. In April 2013, the program was taken over by the Nuclear Regulation Authority (NRA).









Sampling sites Sites by number in the eastern part of the monitoring area are surveyed twice a year and the rest of the sites four times a year. A black star on the map indicate a site of the FDNPP.

## <sup>137</sup>Cs in Seawater

