

# To Secure the Safety of Fishery Products



June 30, 2011

Fisheries Agency of Japan

# 1. Provisional Regulatory Values

- The Japanese government sets the Provisional Regulatory Values at 2000Bq/kg for Iodine and at 500Bq/kg for Cesium for fishery products.
- Japanese value (500Bq/kg) for Cesium is rather conservative compared to those of other countries.

# Comparison of regulatory indices for of fishery products

UNIT:Bq/kg

	Cs-134, Cs-137	I-131
Codex (*)	1,000	100
Japan	500	2,000
US	1,200	170
EU	500	2,000
Thai	500	100
Singapore	1,000	100
South Korea	370	300
Hong Kong	1,000	100
Chinese Taipei	370	300
Philippines	1,000	1,000
Vietnam	1,000	100
Malaysia	1,000	100
China	800	470

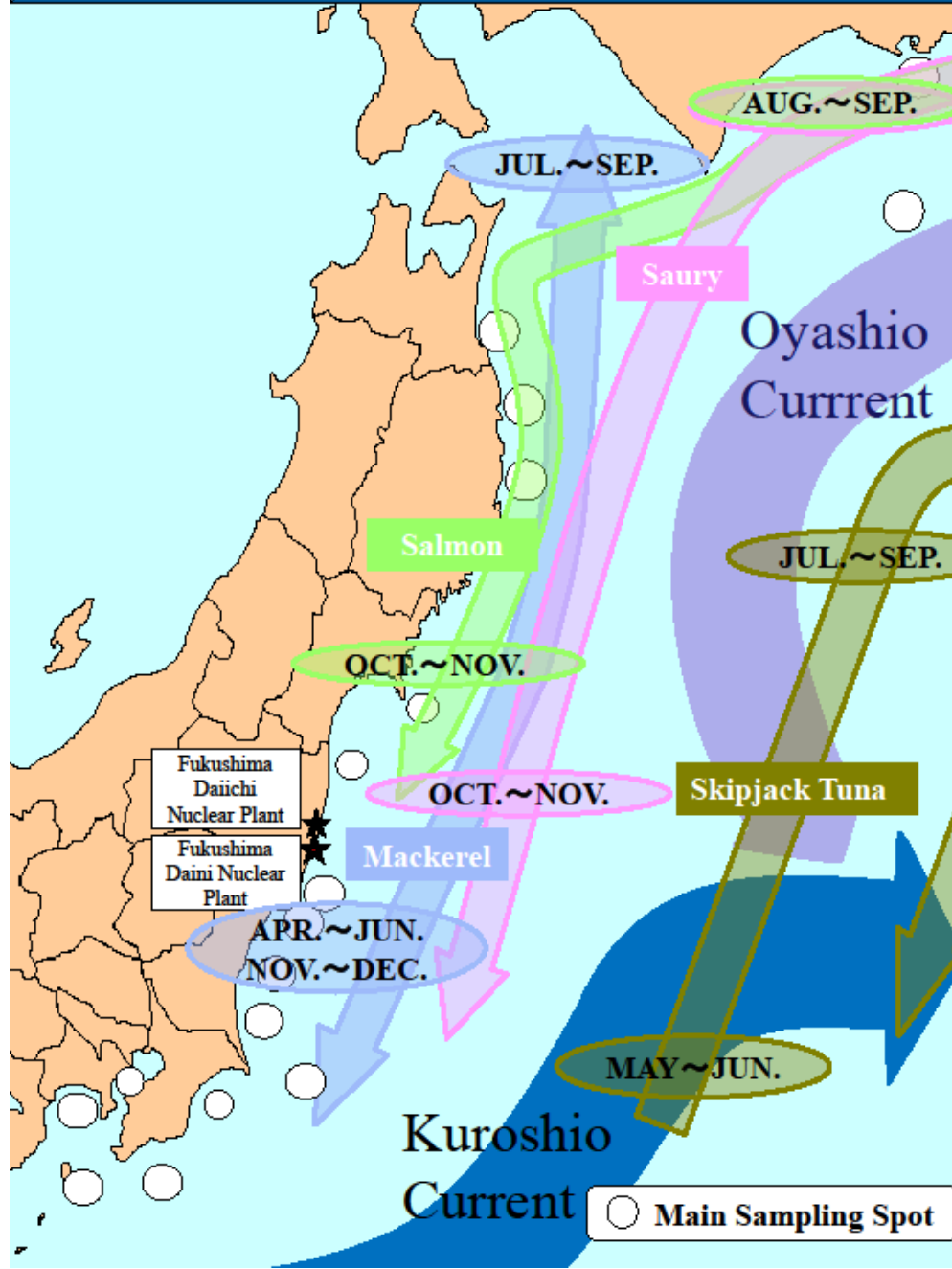
(\*) The index (100) by CODEX for Iodine shows a total of Sr-90, Ru-106, I-129, I-131 and U-234.

The index (1000) by CODEX for Cesium shows a total of S-35, Co-60, Sr-89, Ru-103, Cs-134, Ce-144 and Ir-192.

## 2. Monitoring of fishery products

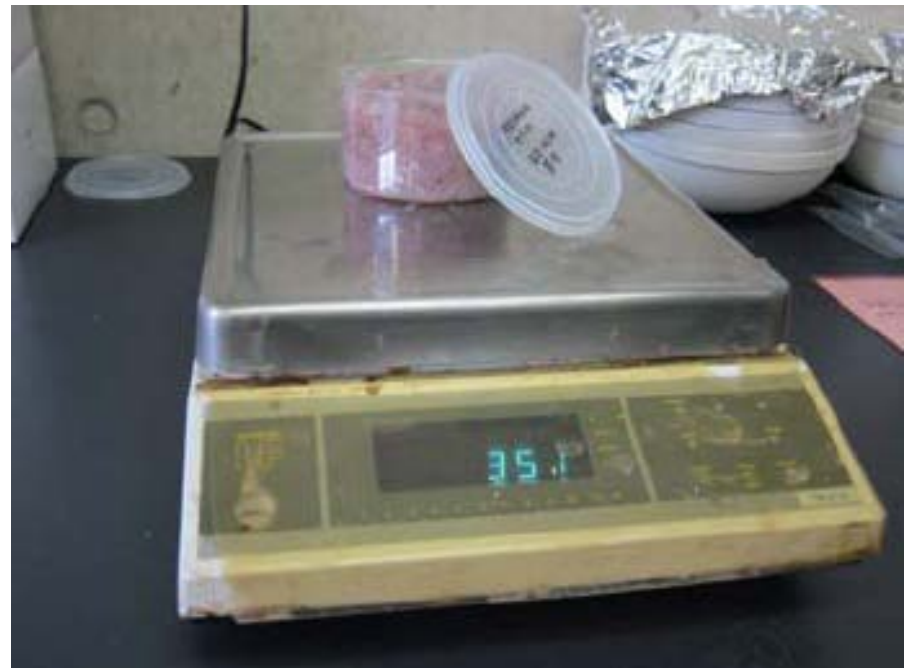
- The Fisheries Agency, in coordination with relevant prefectural governments, has been conducting sampling programs to measure levels of radioactive substances in fishery products.
- Samplings have been carried out at major fishing ports at least once a week for each major target species.

# Summary of Inspection for Radioactive Materials in Fisheries Product

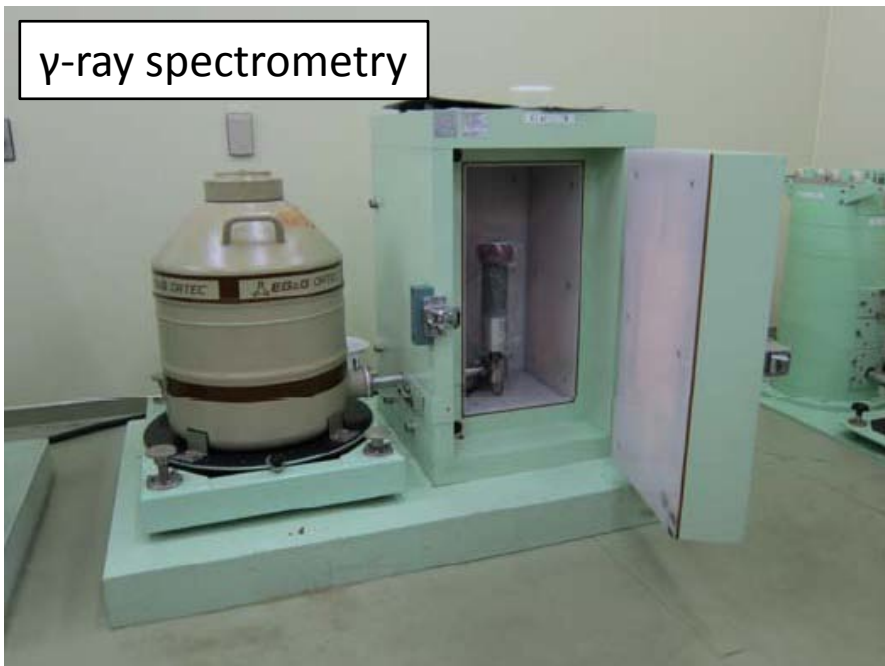








$\gamma$ -ray spectrometry



# Summary of Monitoring Results

(As of June 29, 2011)

## ● **Saltwater fish** 436 (22)

(Juvenile Japanese sandlance(12), White bait(4), Fat greenling (3), Brown Hake(2), Stone flounder(1))

## ● **Invertebrates** 113 (7)

(Mediterranean mussel(1), Sea urchin(2), Surf clam(3), Japanese mitten crab(1))

## ● **Seaweed** 34 (5)

(Wakame seaweed(1), Hijiki seaweed(1), Arame seaweed(3))

## ● **Processed Seafoods** 14 (0)

## ● **Freshwater fish** 162 (23)

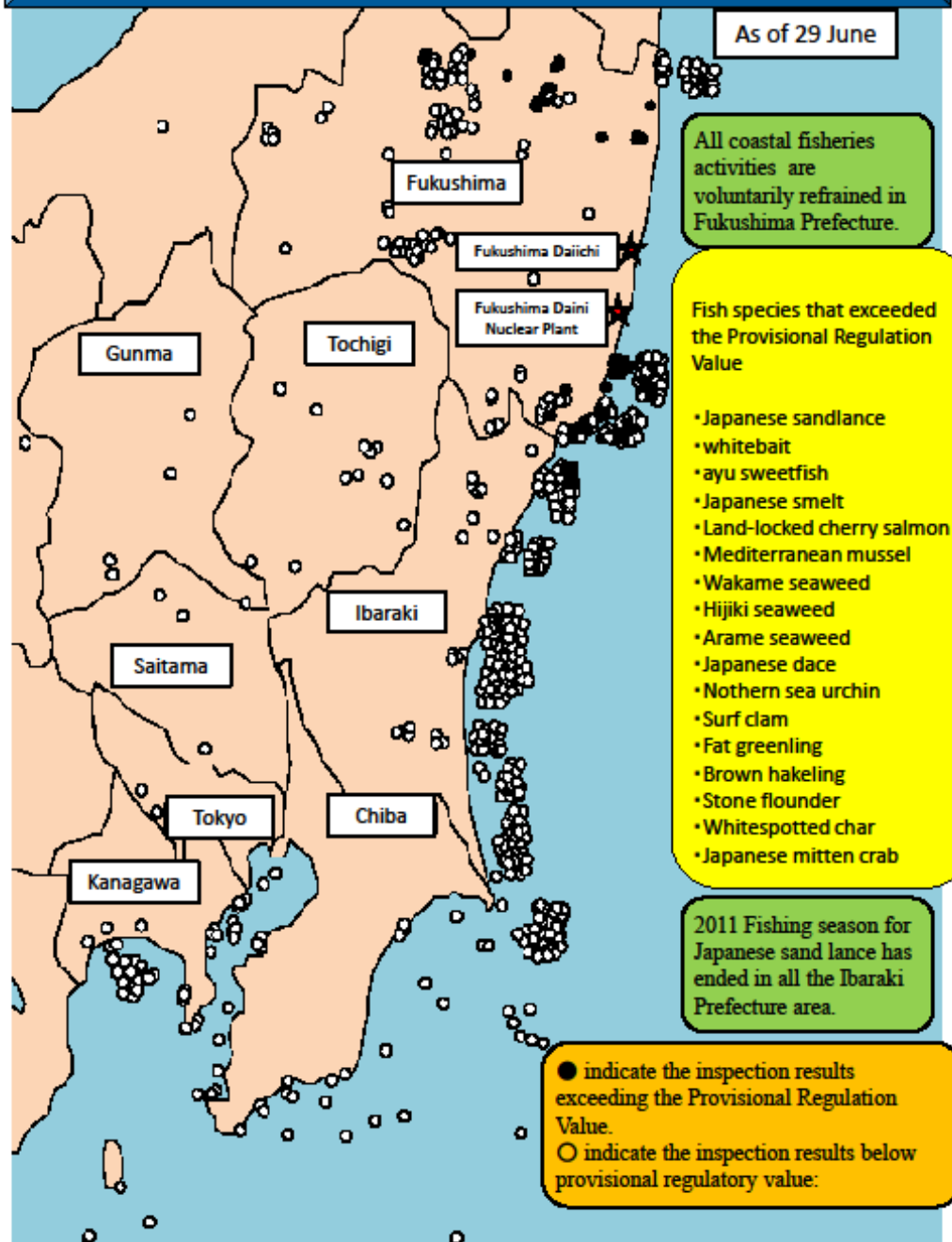
(Ayu sweetfish(10), Land-locked cherry salmon(7), Japanese smelt(2), Japanese dace (3), Whitespotted char(1))

## ● **Marine Mammals** 8 (0)



# Implementation of the inspection on radioactivity level in fisheries products (No.1)

As of 29 June



### 3. Restriction on Fishing Activities and Market Distribution

- In case where a sampling measurement detects radioactive substances exceeding the Provisional Regulatory Values, related fishing activities and landing of that species are immediately suspended.
- Such suspension can only be lifted after all the sampling measurements at more than three sampling spots in the last one month show below the Provisional Regulatory Values.

# Current situation near Fukushima (coastal areas)

## ● Fukushima Area

No fishing activities have been conducted.

## ● Miyagi Area

Part of fishing activities resumed in early June, after all the sampling results of species to be caught confirmed below the Provisional Regulatory Values.

## ● Ibaraki Area

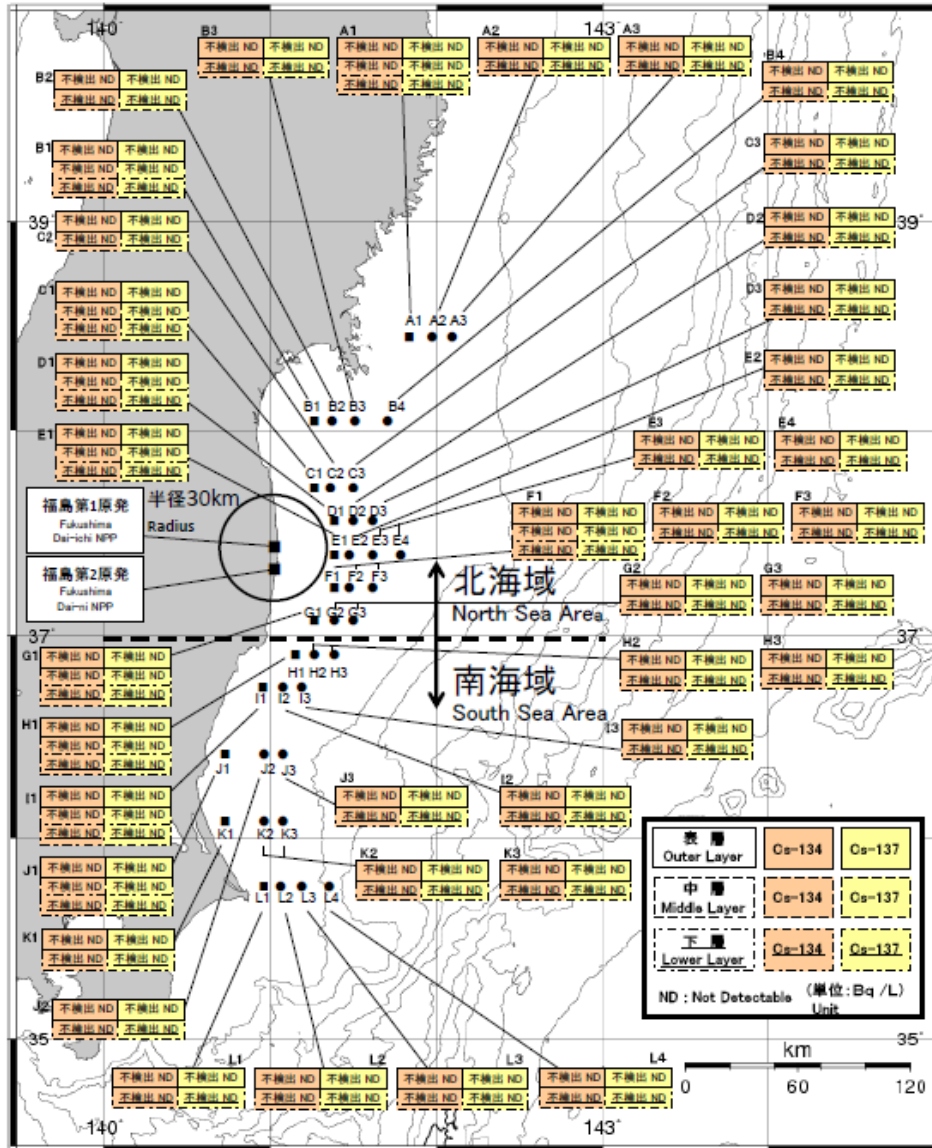
Fishing activities for juvenile Japanese sandlance have been suspended since sampling measurements showed that the species exceeded the Provisional Regulatory Values.

## 4. Monitoring Programs for Seawaters

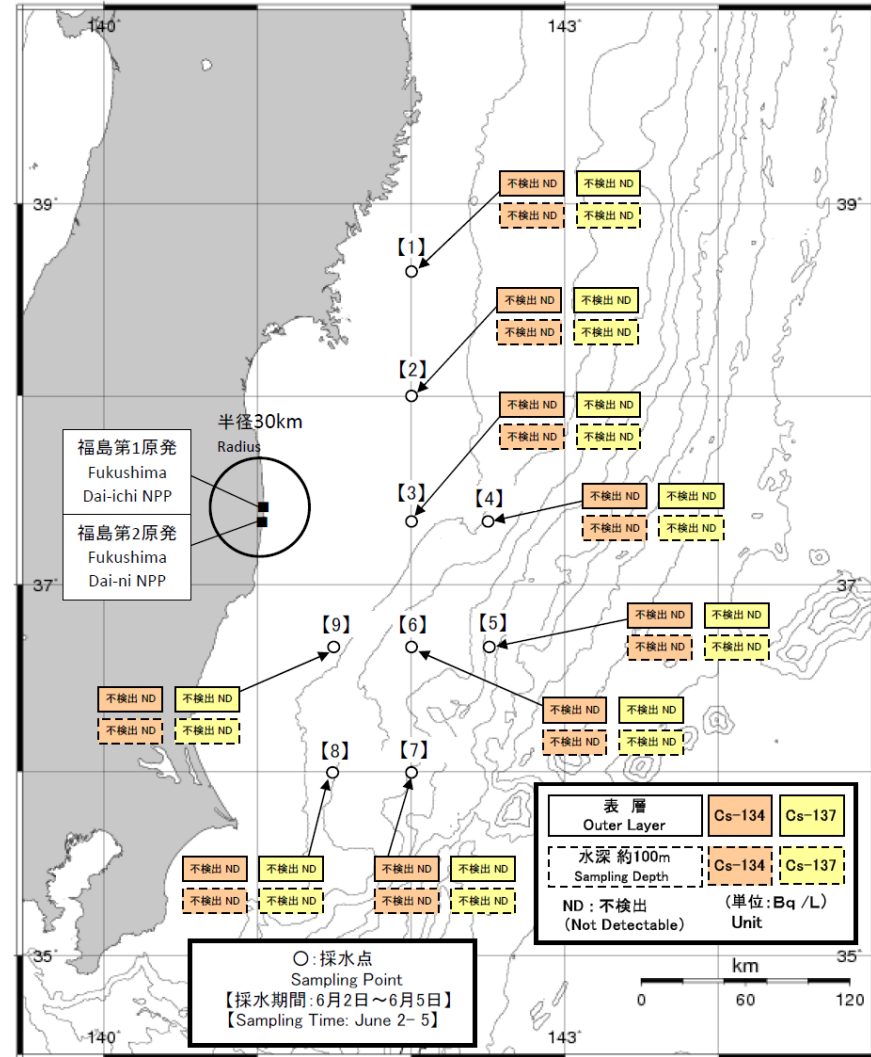
- MEXT and TEPCO have been conducting monitoring programs to measure the levels of radioactive substances in seawaters in the coastal and offshore areas in the vicinity of the Fukushima NPP.
- The monitoring results of seawaters show a clear decreasing trend. The recent monitoring results of seawaters beyond the 30km from the NPP have been constantly below the detectable levels.

# Monitoring Results for Seawaters

海域モニタリング結果 (平成23年6月6日～10日採水)  
Readings of Sea Area Monitoring (Jun 6-10, 2011)



海域モニタリング結果 (平成23年6月2日～6月5日採水)  
Readings of Sea Area Monitoring (June 2-5, 2011)



## 5. For Smooth Transaction and Exports

- Trade partners may require the certificates of the measurement of radioactive substances. For this, 30 inspection institutes are available to provide measurements of radioactive substances for particular consignments.

# List of Inspection Institutes for Radioactive Substances in Foods

No.	Inspection Institute (Japanese)	Inspection Institute (English)	Inspection Equipment	Status
1	京都市衛生環境研究所	-	Germanium Semiconductor Detector	In operation
2	香川県産業技術センター	KAGAWA PREFECTURAL INDUSTRIAL TECHNOLOGY CENTER	Germanium Semiconductor Detector	Start in mid-July
3	長崎県環境保健研究センター	Nagasaki Prefectural Institute for Environmental Research and Public Health	Germanium Semiconductor Detector	Start in early-August
4	(財) 食品環境検査協会	Japan Inspection Association of Food and Food Industry Environment	Germanium Semiconductor Detector	In operation
5	(財) 日本分析センター	Japan Chemical Analysis Center	Germanium Semiconductor Detector	In operation
6	(財) 日本冷凍食品検査協会	Japan Frozen Foods Inspection Corporation	Germanium Semiconductor Detector	In operation
7	(財) 日本食品分析センター	Japan Food Reserch Laboratories	Germanium Semiconductor Detector	In operation
8	(社) 青森県薬剤師会衛生検査センター	Aomori Pharmaceutical Association	NaI Scintillation Counter	In operation
9	(財) 千葉県薬剤師会検査センター	-	Germanium Semiconductor Detector	In operation
10	(財) 日本乳業技術協会	Japan Dairy Technical Association	Germanium Semiconductor Detector	In operation
11	(財) 新日本検定協会	Shin Nihon Kentei Kyokai	Germanium Semiconductor Detector	In operation
12	(財) 北海道薬剤師会公衆衛生検査センター	-	NaI Scintillation Counter Germanium Semiconductor Detector	In operation Start in early July
13	(財) 新潟県環境衛生研究所	Environmantal Science Reserch Niigata	Germanium Semiconductor Detector	In operation
14	(社) 新潟県環境衛生中央研究所	Niigata Environment Hygiene Central Laboratory Co.	Germanium Semiconductor Detector	In operation
15	(社) 日本食品衛生協会食品衛生研究所	Japan Food Hygiene Association Institute of Food Hygiene	Germanium Semiconductor Detector	In operation
16	(一般社団法人) 日本海事検定協会	Nippon Kaiji Kentei Kyokai	Germanium Semiconductor Detector	In operation
17	(株) 島津テクノリサーチ	Shimadzu Techno-Reserch	Germanium Semiconductor Detector	In operation
18	(社) 熊本県薬剤師会医薬品検査センター	Kumamoto Pharmaceutical Association	Germanium Semiconductor Detector	Start in early-July
19	(株) エフイーエーシー	FEAC	Germanium Semiconductor Detector	Start in early-July
20	(財) 日本穀物検定協会	Japan Grain Inspection Association	Germanium Semiconductor Detector	Start in early-July
21	(株) ユニチカ環境技術センター	UNITIKA ENVIRONMENTAL TECHNICAL CENTER	Germanium Semiconductor Detector	Start in early-July
22	一般財団法人 山形県理化学分析センター	Research Laboratory of Science,Yamagata prefecture	Germanium Semiconductor Detector	Start in early-July
23	(財) 宮城県公衆衛生協会	-	Germanium Semiconductor Detector	Start in early-July
24	(財) 食品分析開発センターSUNATEC	Food Analysis Technology Center	Germanium Semiconductor Detector	Start in early-July
25	(株) 日本食品エコロジー研究所	Japan Institute of Foods Eology	Germanium Semiconductor Detector	Start in early-July
26	(株) 北陸環境科学研究所	-	Germanium Semiconductor Detector	Start in early-July
27	(社) 大分県薬剤師会検査センター		Germanium Semiconductor Detector	Start in mid-July
28	(株) 静環検査センター	Seikan	Germanium Semiconductor Detector	Start in early-July
29	(財) 東京顕微鏡院	-	Germanium Semiconductor Detector	Start in late-July
30	日本環境科学(株)	Japan Environment Science CO., LTD.	Germanium Semiconductor Detector	Start in late-July



- In addition, relevant prefectural governments are planning to install simplified radiation measuring instruments at major fishing ports so as to introduce screening systems for fish landings.

