

TEPCO's Sea Area Monitoring Plan (Underlines indicate revisions made on April 1, 2026)

1. Fukushima Prefecture

	Sampling location (Location code)	Specimen	Sampled layer	Measurement Item	Detection limit (Bq/L)※	Measurement Frequency	Notes																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Near the power station (within a 3km outside the port)	North of Units 5/6 Drainage Outlet (T-1), 1F	Seawater	Surface	Cs-134, Cs-137	1	Once a day	•Surface refers to sampling between the water surface and 0.5m beneath the water surface. Bottom layer extends from the sea floor to a height of 2~3m. •Seawater surface, seabed soil (Pu-238,Pu-239 + Pu-240): If Pu-238 is detected, U-234, U-235, U-238, Am-241, Cm-242 and Cm-243 + Cm-244 are also measured. •Seawater is continuously monitored at the end of the Fukushima Daiichi Nuclear Power Station southern seawall (port entrance) (Detection limit : Cs-137(approx. 0.05Bq/L), Gross β (approx. 10Bq/L)) *1: Measurements are taken once a month while lowering the detection limit to 0.1Bq/L. the detection limit for all other weeks is 0.4Bq/L *2: Quick measurements (measurements for which the results are obtained the day after sampling, or the day after that) have been taken since the commencement of the discharge of ALPS treated water into the sea. *3: Measurements are taken twice a week during the ALPS treated water discharge period and the week following the completion of discharge. When no discharge is underway, measurements are taken once a month. (excluding the week following the completion of discharge) *4: Measurements are taken twice a week during the ALPS treated water discharge period and the week following the completion of discharge. When no discharge is underway, measurements are taken once a month. (excluding the week following the completion of discharge) If no measurements can be taken for two consecutive days during the discharge of ALPS treated water due to bad weather, and it is predicted that measurements will not be able to be taken on the third day either, measurements are taken at T-1 and T-2. *5: Measurements taken once every three months for the first three years after the commencement of the discharge of ALPS-treated water into the sea. From the fourth year onward, measurements will be taken once every six months. <u>*6: Alternative location if safety cannot be ensured at T-2</u>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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	Sampling location (Location code)	Specimen	Sampled layer	Measurement Item	Detection limit (Bq/L)※	Measurement Frequency	Notes	
Within 20km of the coast	1km Offshore of Odaka Ward, Murakami (T-①) 2km Offshore of Odaka Ward, Murakami (T-②) 1km Offshore of Namie Town, Ukedo (T-③) 2km Offshore of Namie Town, Ukedo (T-④) 3km Offshore of Namie Town, Ukedo (T-⑤) 1km Offshore of Okuma Town, Kuma River (T-⑥) 2km Offshore of Okuma Town, Kuma River (T-⑦) 3km Offshore of Okuma Town, Kuma River, (T-⑧) 5km Offshore of Okuma Town, Kuma River (T-⑨) 10km Offshore of Okuma Town, Kuma River (T-⑩) 15km Offshore of Okuma Town, Kuma River (T-⑪) 20km Offshore of Okuma Town, Kuma River (T-⑫) 1km Offshore of Naraha Town, Yamadahama (T-⑬)	Seabed soil	-	Cs-134, Cs-137	1	Once a month		
Within 20km of the coast (Fish sampling locations)	Around 1km Offshore of Ota River (T-S1)	Fish	-	Cs-134, Cs-137	10	Once a month	•Fish specimens with high concentrations of Cs-134 + Cs-137 are also measured for Sr-90. (Detection limit: 0.02 (Bq/Kg(raw))) •T-S2 is the same sampling location as T-14 (3km offshore of Odaku Ward) with seawater (Cs-134 and Cs-137 measured at surface, bottom layer) measured once a week and seabed soil (Cs-134, Cs-137) measured once a month.	
				H-3 (TFWT)	1×10 ⁻¹			
				H-3 (OBT)	5×10 ⁻¹			
		Seawater	Surface	Cs-134, Cs-137	1×10 ⁻³			
			Bottom layer					
			Surface					H-3
		Seabed soil	-	Cs-134, Cs-137	1			
	Around 3km Offshore of Odaka Ward (T-S2)	Fish	-	Cs-134, Cs-137	10			
				H-3 (TFWT)	1×10 ⁻¹			
				H-3 (OBT)	5×10 ⁻¹			
		Seawater	Surface	H-3	1×10 ⁻¹			
		Around 3km Offshore of Ukedo River (T-S3)	Fish	-	Cs-134, Cs-137			10
					H-3 (TFWT)			1×10 ⁻¹
	H-3 (OBT)				5×10 ⁻¹			
	Seawater		Surface	Cs-134, Cs-137	1×10 ⁻³			
			Bottom layer					
			Surface					H-3
	Seabed soil		-	Cs-134, Cs-137	10 ⁻²			
	Around 3km Offshore of 1F site (T-S4)	Fish	-	Cs-134, Cs-137	10			
				H-3 (TFWT)	1×10 ⁻¹			
				H-3 (OBT)	5×10 ⁻¹			
		Seawater	Surface	Cs-134, Cs-137	1×10 ⁻³			
			Bottom layer					
			Surface					H-3
		Seabed soil	-	Cs-134, Cs-137	10 ⁻²			
	Around 2km Offshore of Kido River (T-S5)	Fish	-	Cs-134, Cs-137	10			
				H-3 (TFWT)	1×10 ⁻¹			
				H-3 (OBT)	5×10 ⁻¹			
		Seawater	Surface	Cs-134, Cs-137	1×10 ⁻³			
			Bottom layer					
			Surface					H-3
		Seabed soil	-	Cs-134, Cs-137	1			
	Around 2km Offshore of 2F site (T-S7)	Fish	-	Cs-134, Cs-137	10			
				H-3 (TFWT)	1×10 ⁻¹			
				H-3 (OBT)	5×10 ⁻¹			
		Seawater	Surface	Cs-134, Cs-137	1×10 ⁻³			
			Bottom layer					
			Surface					H-3
		Seabed soil	-	Cs-134, Cs-137	1			
	Around 4km Offshore of Kuma River (T-S8)	Fish	-	Cs-134, Cs-137	10			
				H-3 (TFWT)	1×10 ⁻¹			
				H-3 (OBT)	5×10 ⁻¹			
		Seawater	Surface	Cs-134, Cs-137	1×10 ⁻³			
			Bottom layer					
			Surface					H-3
		Seabed soil	-	Cs-134, Cs-137	10 ⁻²			
	Around 15km Offshore of Odaka Ward (T-B1)	Fish	-	Cs-134, Cs-137	10			
				H-3 (TFWT)	1×10 ⁻¹			
				H-3 (OBT)	5×10 ⁻¹			
		Seawater	Surface	Cs-134, Cs-137	1×10 ⁻³			
			Bottom layer					
			Surface					H-3
		Seabed soil	-	Cs-134, Cs-137	1			
	Around 18km Offshore of Ukedo River (T-B2)	Fish	-	Cs-134, Cs-137	10			
				H-3 (TFWT)	1×10 ⁻¹			
				H-3 (OBT)	5×10 ⁻¹			
		Seawater	Surface	Cs-134, Cs-137	1×10 ⁻³			
			Bottom layer					
			Surface					H-3
		Seabed soil	-	Cs-134, Cs-137	1			
	Around 10km Offshore of 1F site (T-B3)	Fish	-	Cs-134, Cs-137	10			
				H-3 (TFWT)	1×10 ⁻¹			
				H-3 (OBT)	5×10 ⁻¹			
		Seawater	Surface	Cs-134, Cs-137	1×10 ⁻³			
			Bottom layer					
			Surface					H-3
		Seabed soil	-	Cs-134, Cs-137	1			
	Around 10km Offshore of 2F site (T-B4)	Fish	-	Cs-134, Cs-137	10			
				H-3 (TFWT)	1×10 ⁻¹			
				H-3 (OBT)	5×10 ⁻¹			
		Seawater	Surface	Cs-134, Cs-137	1×10 ⁻³			
			Bottom layer					
			Surface					H-3
		Seabed soil	-	Cs-134, Cs-137	1			

	Sampling location (Location code)	Specimen	Sampled layer	Measurement Item	Detection limit (Bq/L)※	Measurement Frequency	Notes
Outside 20km of the coast	15km Offshore of Iwasawa Seashore (T-7)	Seawater	Surface	Cs-134, Cs-137	1×10^{-3}	Once a month	
			Bottom layer				
			Surface	H-3	1×10^{-1}	Once a month	
	1km Offshore of Niida River (T-13-1) 3km Offshore of Soma (T-22) 5km Offshore of Kajima (T-MA)	Seawater	Surface	Cs-134, Cs-137	1×10^{-3}	Once a month	
			Bottom layer				
			Surface	H-3	1×10^{-1}	Once a month	
	3km Offshore of Onahama Port (T-18) 5km Offshore of Numanouchi, (T-M10)	Seawater	Surface	Cs-134, Cs-137	1×10^{-3}	Once a month	
			Bottom layer				
			Surface	H-3	1×10^{-1}	Once a month	
	3km Offshore of Northern part of Iwaki City, (T-12) 1km Offshore of Natsui River (T-17-1) 3km Offshore of Toyoma (T-20)	Seawater	Surface	Cs-134, Cs-137	1×10^{-3}	Once a month	
			Bottom layer				
			Surface	H-3	1×10^{-1}	Once a month	
		Seabed soil	-	Cs-134, Cs-137	1	Once every two months	

2. Miyagi Prefecture

	Sampling location (Location code)	Specimen	Sampled layer	Measurement Item	Detection limit (Bq/L)※	Measurement Frequency	Notes
Outside 30km of the coast	Offshore of Minamisanriku (T-MG0)	Seawater	Surface Bottom layer	Cs-134, Cs-137	1×10^{-3}	Once a month	*Surface refers to sampling between the water surface and 0.5m beneath the water surface. Bottom layer extends from the sea floor to a height of 2~3m.
	Ishinomaki Bay (T-MG1)						
	Eastern Offshore of Kinkasan (T-MG2)						
	Southern Offshore of Kinkasan (T-MG3)						
	Offshore of Shichigahama (T-MG4)						
	Central area of Sendai Bay (T-MG5)						
	Offshore of Abukuma River (T-MG6)						

3. Ibaraki Prefecture

	Sampling location (Location code)	Specimen	Sampled layer	Measurement Item	Detection limit (Bq/L)※	Measurement Frequency	Notes
Outside 30km of the coast	3km Offshore of Isohara Seashore, (T-Z)	Seawater	Surface Bottom layer	Cs-134, Cs-137	1	Once a month	*Surface refers to sampling between the water surface and 0.5m beneath the water surface. Bottom layer extends from the sea floor to a height of 2~3m.
	3km Offshore of Takadokobama Seashore (T-A)						
	3km Offshore of Kujihama Seashore (T-B)						
	3km Offshore of Oarai Seashore (T-C)						
	3km Offshore of Hirai Seashore (T-D)						
	3km Offshore of Hasaki Seashore (T-E)						

※ Detection limits are target values
Units: Seabed soil: Cs-134, Cs-137, Sr-90, Pu-238, Pu-239+Pu-240: Bq/kg(dry soil), Pu-240/Pu-239: Atomic ratios
Fish: Cs-134, Cs-137: Bq/kg(raw); H-3: Bq/L
Seaweed: Cs-134, Cs-137, I-129:Bq/kg(raw); H-3: Bq/L

TEPCO's Sea Area Monitoring Plan for Obtaining Quick Measurements (Underlines indicate revisions made on April 1, 2026)

	Sampling location (Location code)	Specimen	Sampled layer	Measurement Item	Detection limit (Bq/L)※	Measurement Frequency	Notes
Near the power station (within 3km outside the port) (Near the discharge outlet 3km from the power station; 10 locations) Refer to Attachment 4 Figure 2	North of Units 5/6 Drainage Outlet (T-1), 1F	Seawater	Surface	H-3	10 ⁺¹	Twice a week*2	•Surface refers to sampling between the water surface and 0.5m beneath the water surface. *1: Quick measurements (measurements for which the results are obtained the day after sampling, or the day after that) have been taken since the commencement of the discharge of ALPS treated water into the sea. *2: Measurements are taken twice a week during the ALPS treated water discharge period and the week following the completion of discharge. When no discharge is underway, measurements are taken once a month. (excluding the week following the completion of discharge) *3: Measurements are taken twice a week during the ALPS treated water discharge period and the week following the completion of discharge. When no discharge is underway, measurements are taken once a month. (excluding the week following the completion of discharge) If no measurements can be taken for two consecutive days during the discharge of ALPS treated water due to bad weather, and it is predicted that measurements will not be able to be taken on the third day either, measurements are taken at T-1 and T-2.
	Near Southern Drainage Outlet (T-2) <u>(T-2-1)</u> *4, 1F	Seawater	Surface	H-3	10 ⁺¹	Twice a week*2	
	North of Northern Seawall (0.5km offshore of the north site) (T-0-1), 1F	Seawater	Surface	H-3	10 ⁺¹	Once a day*3	
	Northeast of the Port Entrance (1km offshore of the north site) (T-0-1A), 1F	Seawater	Surface	H-3	10 ⁺¹	Once a day*3	
	East of the Port Entrance (1km offshore of the site) (T-0-2), 1F	Seawater	Surface	H-3	10 ⁺¹	Once a day*3	
	South of Southern Seawall (0.5km offshore of the south site) (T-0-3), 1F	Seawater	Surface	H-3	10 ⁺¹	Twice a week*2	
	Southeast of Port Entrance (1km offshore of the south site) (T-0-3A), 1F	Seawater	Surface	H-3	10 ⁺¹	Twice a week*2	
	1.5km Offshore North Side of 1F site (T-A1)	Seawater	Surface	H-3	10 ⁺¹	Twice a week*2	
	1.5km Offshore of 1F site (T-A2)	Seawater	Surface	H-3	10 ⁺¹	Once a day*3	
	1.5km Offshore South of 1F site (T-A3)	Seawater	Surface	H-3	10 ⁺¹	Twice a week*2	
Within 20km of the coast (Outer area around the discharge outlet within a 10km square in front of the power station; 4 locations) Refer to Attachment 4 Figure 3	3km Offshore of 1F site (T-D5)	Seawater	Surface	H-3	10 ⁺¹	Once a week	
	Around 3km Offshore of Ukedo River (T-S3)	Seawater	Surface	H-3	10 ⁺¹	Once a month	
	Around 3km Offshore of 1F site (T-S4)	Seawater	Surface	H-3	10 ⁺¹	Once a month	
	Around 4km Offshore of Kuma River (T-S8)	Seawater	Surface	H-3	10 ⁺¹	Once a month	

※ Detection limits are target values

TEPCO's Sea Area Monitoring Sampling Location information (Underlined portions indicate revisions made on April 1, 2026)

Sampling Location		Location Code	North latitude	East Longitude	Depth (m) ※1
Near the power station (within 3km outside the port)	North of Units 5/6 Drainage Outlet, 1F	T-1	37° 25' 52"	141° 02' 04"	0.5
	Near Southern Drainage Outlet, 1F	T-2	37° 24' 57"	141° 02' 01"	0.5
		<u>T-2-1</u>	<u>37° 24' 22"</u>	<u>141° 02' 01"</u>	<u>0.5</u>
	North of Northern Seawall (0.5km offshore of the north site), 1F	T-0-1	37° 25' 50"	141° 02' 25"	9
	Northeast of the Port Entrance (1km offshore of the north side), 1F	T-0-1A	37° 25' 50"	141° 02' 48"	11
	East of the Port Entrance (1km offshore of the site), 1F	T-0-2	37° 25' 24"	141° 02' 48"	13
	South of Southern Seawall (0.5km offshore of the south site), 1F	T-0-3	37° 24' 58"	141° 02' 25"	10
	Southeast of Port Entrance (1km offshore of the south site), 1F	T-0-3A	37° 24' 58"	141° 02' 48"	13
	1.5km Offshore North Side of 1F site	T-A1	37° 26' 29"	141° 03' 02"	15
	1.5km Offshore of 1F site	T-A2	37° 25' 33"	141° 03' 02"	15
	1.5km Offshore South of 1F site	T-A3	37° 24' 37"	141° 03' 02"	15
	Near North Drainage Outlet, 2F	T-3	37° 19' 20"	141° 01' 35"	0.5
Within 20km of the coast	Near Iwasawa Seashore, 2F	T-4	37° 14' 30"	141° 00' 50"	0.5
	South of Ukedo Port	T-6	37° 28' 44"	141° 02' 26"	0.5
	3km Offshore of Iwasawa Seashore	T-14	37° 33' 10"	141° 03' 45"	21
	3km Offshore of Iwasawa Seashore	T-11	37° 14' 30"	141° 02' 50"	18
	3km Offshore of Ukedo River	T-D1	37° 30' 00"	141° 04' 20"	22
	3km Offshore of 1F site	T-D5	37° 25' 00"	141° 04' 20"	23
	3km Offshore of 2F site	T-D9	37° 20' 00"	141° 04' 20"	24
	15km Offshore of 1F site	T-5	37° 25' 00"	141° 12' 00"	70
	1km Offshore of Odaka Ward, Murakami	T-(1)	37° 33' 06"	141° 02' 30"	12
	2km Offshore of Odaka Ward, Murakami	T-(2)	37° 33' 06"	141° 03' 00"	17
	1km Offshore of Namie Town, Ukedo	T-(3)	37° 27' 30"	141° 02' 30"	10
	2km Offshore of Namie Town, Ukedo	T-(4)	37° 27' 30"	141° 03' 00"	12
	3km Offshore of Namie Town, Ukedo	T-(5)	37° 27' 30"	141° 03' 30"	15
	1km Offshore of Okuma Town, Kuma River	T-(6)	37° 23' 00"	141° 02' 30"	10
	2km Offshore of Okuma Town, Kuma River	T-(7)	37° 23' 00"	141° 03' 00"	16
	3km Offshore of Okuma Town, Kuma River	T-(8)	37° 23' 00"	141° 03' 30"	20
	5km Offshore of Okuma Town, Kuma River	T-(9)	37° 23' 00"	141° 05' 30"	29
	10km Offshore of Okuma Town, Kuma River	T-(10)	37° 23' 00"	141° 10' 00"	55
	15km Offshore of Okuma Town, Kuma River	T-(11)	37° 23' 00"	141° 12' 00"	74
	20km Offshore of Okuma Town, Kuma River	T-(12)	37° 23' 00"	141° 15' 00"	100
	1km Offshore of Naraha Town, Yamadahama	T-(13)	37° 14' 18"	141° 01' 30"	12
	Around 1km Offshore of Ota River	T-S1	37° 35' 05"	141° 02' 32"	13
	Around 3km Offshore of Odaka Ward	T-S2	37° 33' 10"	141° 03' 45"	23
	Around 3km Offshore of Ukedo River	T-S3	37° 27' 30"	141° 04' 44"	23
	Around 3km Offshore of 1F site	T-S4	37° 25' 43"	141° 04' 57"	24
Within 20km of the coast (Fish sampling locations)	Around 2km Offshore of Kido River	T-S5	37° 15' 54"	141° 02' 22"	15
	Around 2km Offshore of 2F site	T-S7	37° 18' 40"	141° 02' 50"	15
	Around 4km Offshore of Kuma River	T-S8	37° 23' 00"	141° 04' 44"	25
	Around 15km Offshore of Odaka Ward	T-B1	37° 32' 00"	141° 13' 00"	62
	Around 18km Offshore of Ukedo River	T-B2	37° 31' 00"	141° 14' 00"	69
	Around 10km Offshore of 1F site	T-B3	37° 24' 28"	141° 09' 15"	47
	Around 10km Offshore of 2F site	T-B4	37° 20' 54"	141° 08' 55"	50
	1km Offshore of Niida River	T-13-1	37° 38' 27"	141° 02' 33"	15
	15km Offshore of Iwasawa Seashore	T-7	37° 14' 00"	141° 12' 00"	110
	3km Offshore of Onahama Port	T-18	36° 54' 20"	140° 55' 20"	32
Outside 20km of the coast	3km Offshore of Northern part of Iwaki City	T-12	37° 09' 00"	141° 02' 15"	25
	1km Offshore of Natsui River	T-17-1	37° 03' 20"	141° 00' 25"	25
	3km Offshore of Toyoma	T-20	36° 58' 00"	141° 00' 00"	31
	3km Offshore of Soma	T-22	37° 49' 28"	141° 01' 21"	16
	5km Offshore of Kajima	T-MA	37° 45' 00"	141° 05' 00"	30
	5km Offshore of Numanouchi	T-M10	37° 00' 00"	141° 05' 00"	94
	Offshore of Minamisanriku	T-MG0	38° 38' 00"	141° 35' 00"	83
	Ishinomaki Bay	T-MG1	38° 20' 00"	141° 17' 00"	26
	Eastern offshore of Kinkasan	T-MG2	38° 18' 00"	141° 40' 00"	140
	Southern offshore of Kinkasan	T-MG3	38° 14' 00"	141° 35' 00"	110
Outside 30km of the coast	Offshore of Shichigahama	T-MG4	38° 15' 00"	141° 08' 00"	22
	Central area of Sendai Bay	T-MG5	38° 10' 00"	141° 15' 00"	41
	Offshore of Abukuma River	T-MG6	38° 05' 00"	141° 00' 00"	26
	3km offshore of Isohara Seashore	T-Z	36° 47' 30"	140° 47' 21"	18
	3km offshore of Takadokobama Seashore	T-A	36° 42' 50"	140° 45' 50"	23
	3km offshore of Kujiyama Seashore	T-B	36° 30' 23"	140° 39' 56"	26
	3km offshore of Oarai Seashore	T-C	36° 17' 59"	140° 36' 14"	18
	3km offshore of Hirai Seashore	T-D	35° 59' 15"	140° 42' 08"	23
	3km offshore of Hasaki Seashore	T-E	35° 47' 46"	140° 50' 14"	20

※ 1F: Fukushima Daiichi Nuclear Power Station, 2F: Fukushima Daini Nuclear Power Station

Latitude and longitude of seaweed sampling locations are not noted since the sampling locations are selected based on the level of growth.

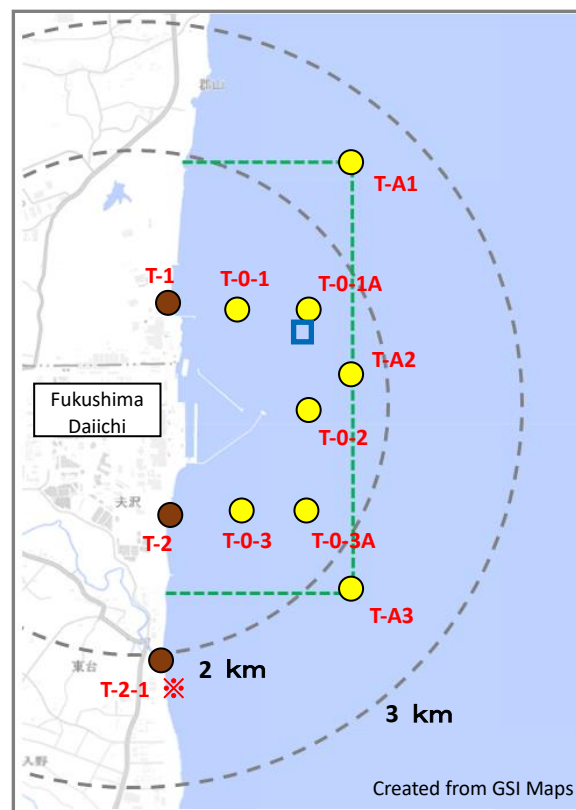
※1 Average depth to the sea floor during past sampling.

Values for T-A1, T-A2, and T-A3 are estimates.



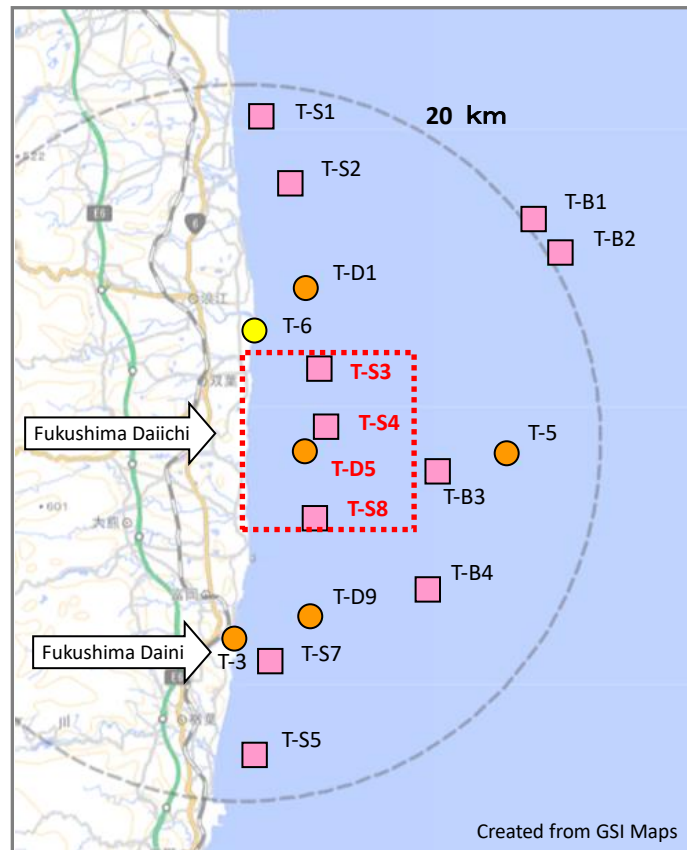
- Seawater: Once a day (See Fig.2 and 3)
- Seawater: Once a week (9 locations) (See Fig.2 and 3)
- Seawater: Once a week (8 locations) (See Fig.3)
- Seawater: Once a month (9 locations)
- Seawater: Once a month (11 locations) (See Fig.3)

Fig.1 Sampling locations of seawater (Offshore of Fukushima Prefecture)



- Seawater: Once a day (2 locations)
- Seawater: Once a week (8 locations)
- T-○ Tritium concentration in seawater is measured quickly (10 locations)
- Discharge outlet
- Area for which no common fishing rights
- ※ Alternative location if safety cannot be ensured at T-2

Fig.2 Sampling locations of seawater (Near the power station)



- Seawater: Once a week (1 location)
- Seawater: Once a week (5 locations)
- Seawater: Once a month (11 locations)
- T-○ Tritium concentration in seawater is measured quickly (4 locations)
- 10km square in front of the power station

Fig.3 Sampling locations of seawater (Within 20km of the coast)



● Seawater: Once a month (7 locations)

Fig.4 Sampling locations of seawater (Offshore of Miyagi Prefecture)



● Seawater: Once a month (6 locations)

Fig.5 Sampling locations of seawater (Offshore of Ibaraki Prefecture)