

2 Recovery from the Great East Japan Earthquake

When the Great East Japan Earthquake occurred on March 11, 2011, all aspects of the fisheries industry as well as distribution and processing facilities in coastal areas were severely damaged.

As a result, many fishermen and distribution and processing businesses lost their bases of production and operation, causing a significant drop in overall production of fresh seafood and processed seafood products. With support from a variety of sources such as the national government and the private sector, members of the fisheries industry are working together towards recovery.

Damage from the Great East Japan Earthquake



Kesenuma Fishing Port



Ishinomaki Fishing Port



Shiogama Fishing Port



Onagawa Fishing Port

Removal of Debris from Sea Routes and Fishing Grounds

The large amounts of debris left behind in ports, sea routes, and fishing grounds were preventing ships from coming in and going out to sea and fishing operations from resuming operations. As a result, experts and fishermen have been making progress on retrieving objects.



Retrieval of a sunken ship



Retrieval of an oil tank

Restoration of Fishing Ports

All 142 fishing ports in Miyagi were damaged. In order to restart fishing operations such as boat moorings and fish landings, construction on ports and port-related facilities is in progress.



Onagawa Fishing Port



Ishinomaki Fishing Port

Restoration of Markets and Seafood Processing

Damaged wholesale markets were rebuilt to include advanced sanitation capabilities. Additionally, construction on refrigeration facilities, ice storage facilities, and seafood processing factories is in progress in order to provide more of Miyagi's delicious seafood and processed products.



Seafood processing factory



Shiogama Fish Market

Restoration of the Fishing and Farming Industries

In general, construction has been completed on any shared facilities that requested restoration, including fishing vessels, farming facilities, and oyster processing plants.



Fishing vessel built after the disaster

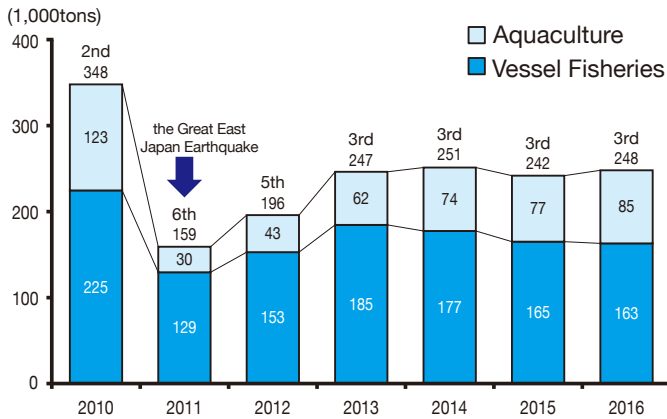


Sea squirt harvesting

Statistics of Miyagi's Fisheries Industry and Recovery

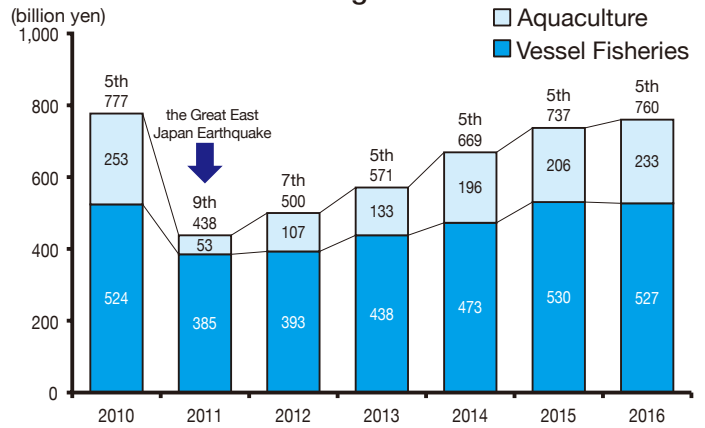
Miyagi had the second largest fisheries industry production volume in the country following Hokkaido and the fifth highest fisheries industry production value up until 2010, right before the Great East Japan Earthquake. While the production volume dropped significantly due to the disaster, restoration of distribution and processing facilities such as fishing vessels, aquaculture systems, and fish markets has made progress. In 2016, Miyagi had the fifth highest fisheries industry value in the country, marking a return to pre-disaster figures, as well as the third largest fisheries industry production amount.

Trend of fisheries industry production amount & national ranking



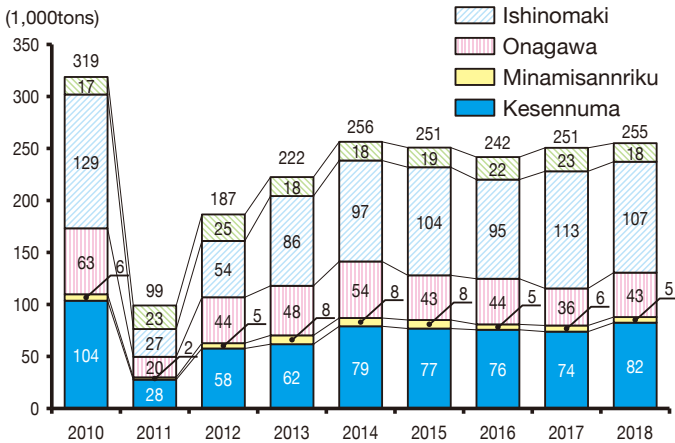
Source: Annual Statistics on Fishery and Aquaculture Production (Ministry of Agriculture Forestry and Fisheries)

Trend of fisheries industry production value & national ranking



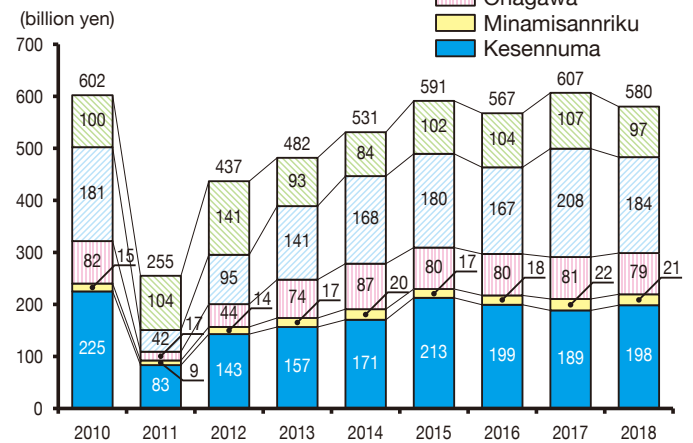
Source: Total Fishery Output (Ministry of Agriculture Forestry and Fisheries)

Amount of fish landings at main wholesale markets



Source: Statistics on Landed Quantity (Miyagi prefecture)

Value of fish landings at main wholesale markets



Source: Statistics on Landed Quantity (Miyagi prefecture)

Production status of main fish species

Category	species	Production (Unit: ton)							National ranking	
		2010	2011	2012	2013	2014	2015	2016	2010	2016
Main types of seafood	Tunas	21,860	19,489	19,083	19,173	21,356	20,531	19,258	2nd	2nd
	Swordfishes	3,634	2,879	3,098	3,435	3,293	3,375	3,435	1st	1st
	Skipjack	28,485	24,944	20,866	20,743	16,575	19,828	16,275	3rd	4th
	Sharks	17,924	10,373	15,864	14,083	15,603	16,088	16,686	1st	1st
	Pacific saury	28,188	29,676	28,113	22,412	29,994	15,641	14,562	2nd	2nd
	Japanese halibut	344	288	197	987	1,465	1,644	1,015	7th	2nd
	Flounders	1,521	887	1,112	1,296	1,827	1,926	3,804	10th	2nd
	Cods	15,148	4,960	11,324	17,040	18,447	14,410	7,965	3rd	4th
	Sand lance	4,015	3	480	2,831	3,582	3,319	2,192	6th	3rd
	Conger eels	220	119	387	537	449	418	363	9th	3rd
	Squids	15,591	10,907	6,148	9,076	8,066	6,773	4,995	4th	7th
	Swimming crabs	2	9	33	66	173	518	662	32th	1th
	Krills	18,463	-	6,934	13,032	9,923	12,845	8,055	2nd	2nd
	Abalone	141	104	96	135	x	112	145	2nd	2nd
Sea urchin	744	102	245	359	434	407	460	3rd	4th	

[x]: figures not made public in order to protect information pertaining to persons, corporations or other organizations

[-]: figures not applicable

Source: Annual Statistics on Fishery and Aquaculture Production (Ministry of Agriculture Forestry and Fisheries)

Production amount of main processed seafood products & national ranking

Name of product	2010			2017		
	National production amount	Production amount	National ranking	National production amount	Production amount	National ranking
Fish paste products						
Fish cake products	468,830	50,115	1st	444,116	34,425	3rd
Frozen food products						
Fish and shellfish	153,346	7,508	5th	128,249	11,767	3rd
Precooked seafood products	138,624	23,458	1st	120,194	18,623	1st
Salted products						
Salmon and trout	93,115	10,490	3rd	83,813	5,511	5th
Cod and Alaska pollock	7,776	5,228	1st	11,876	8,912	1st
Other processed products						
Salted squid guts	21,331	6,347	2nd	12,324	2,992	2nd
Pickled seafood foods	63,598	9,888	2nd	57,742	8,259	4th
Fresh frozen products						
All types of fish and shellfish	1,539,592	252,730	2nd	1,366,166	161,106	3rd

Source: Statistical Survey on Processed Fishery Products (Ministry of Agriculture Forestry and Fisheries)