The Pilot Project for the Horikawa River Clarification

- **Result of the survey by the Nagoya City**

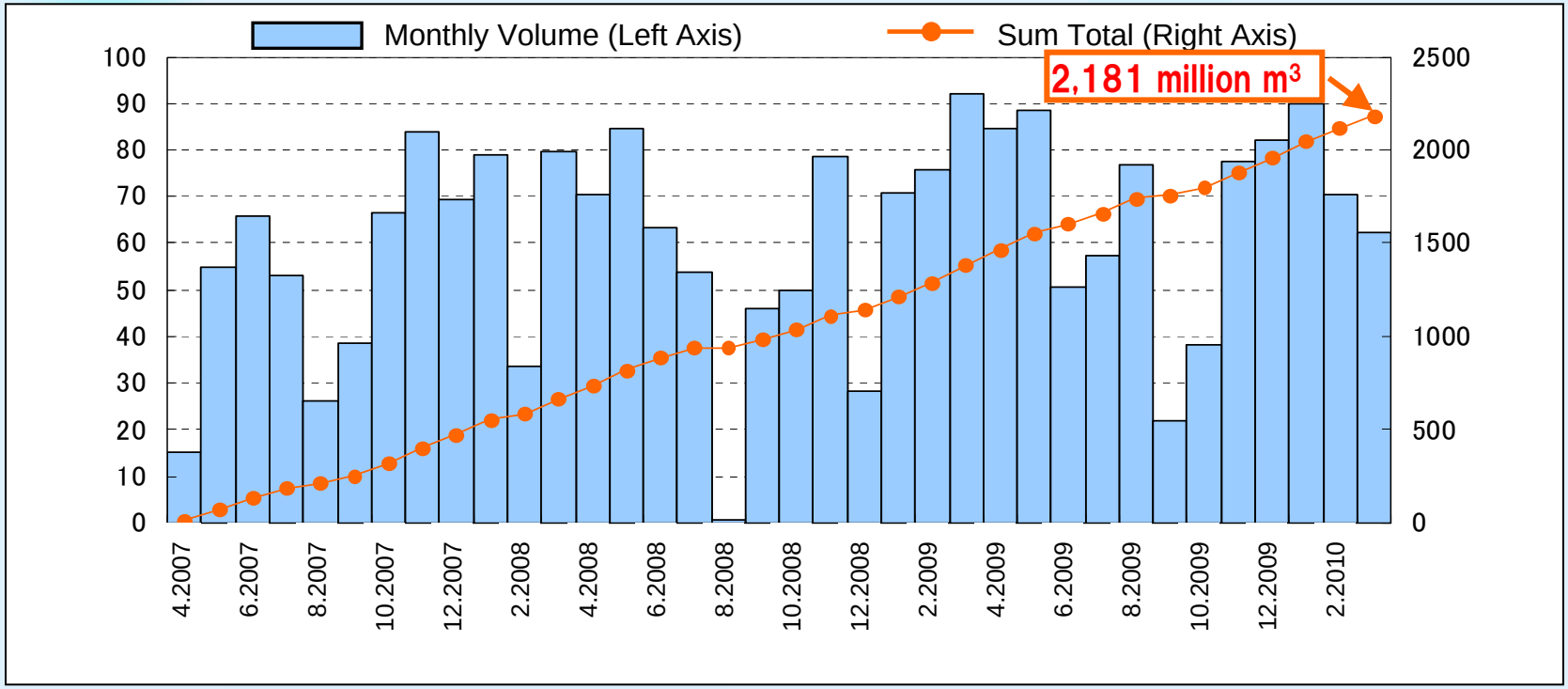
River Planning Division
Rivers Department, Greenification & Public Works Bureau
The Nagoya City

The Summary of TRWKR

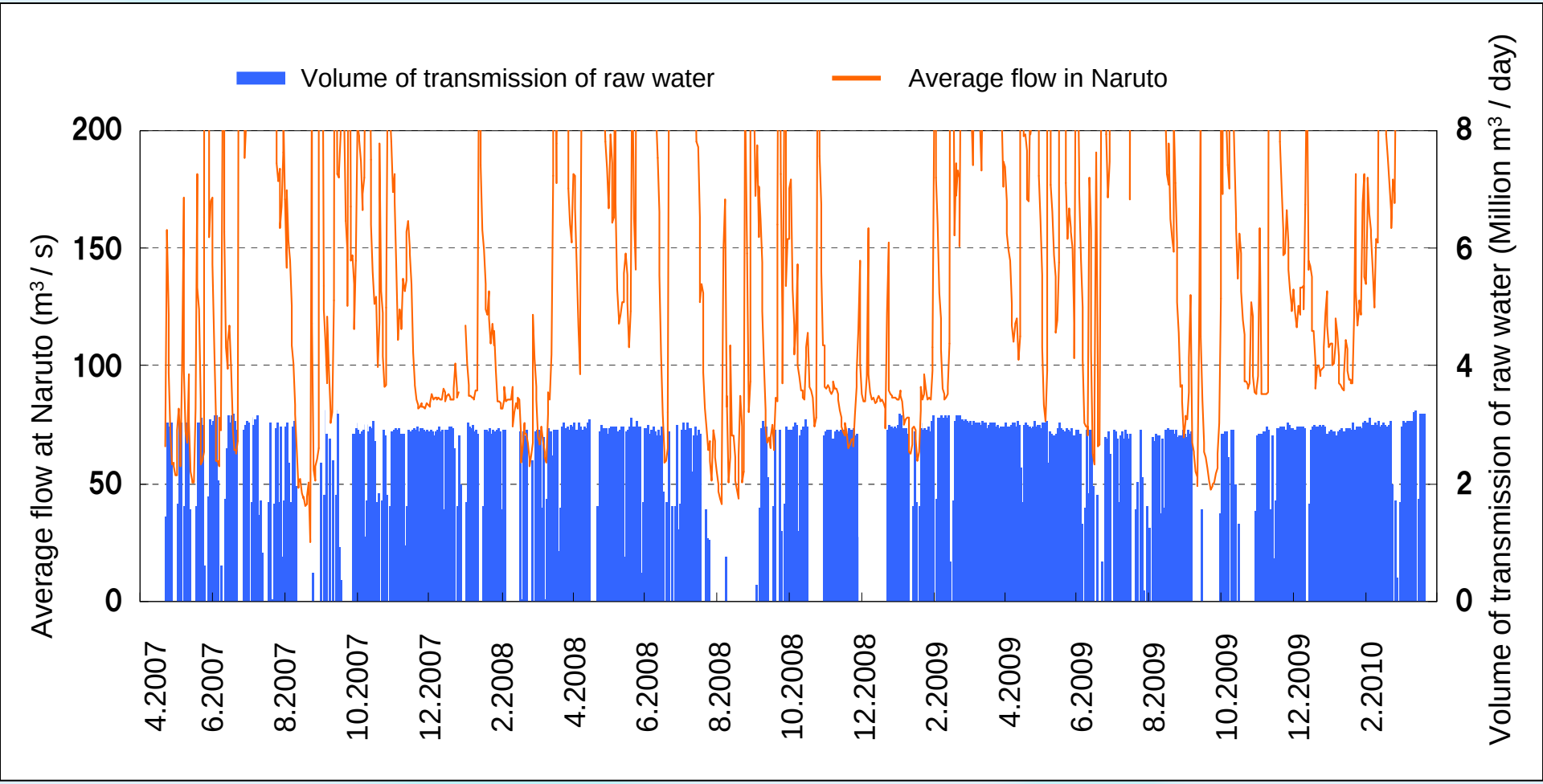
(April 22nd ,2007 ～March 22nd ,2010)

Volume		2,181 million m^3
	2007	667 (million m^3/year)
	2008	714 (million m^3/year)
	2009	800 (million m^3/year)

Running Hours		17,774.9 hr	741 days
Down Hours		7,797.2 hr	325 days
	Drought	2,700.3 hr	113 days
	Heavy Rain	2,581.6 hr	108 days
	Other reasons	2,515.3 hr	105 days
Running Rate			69.50%

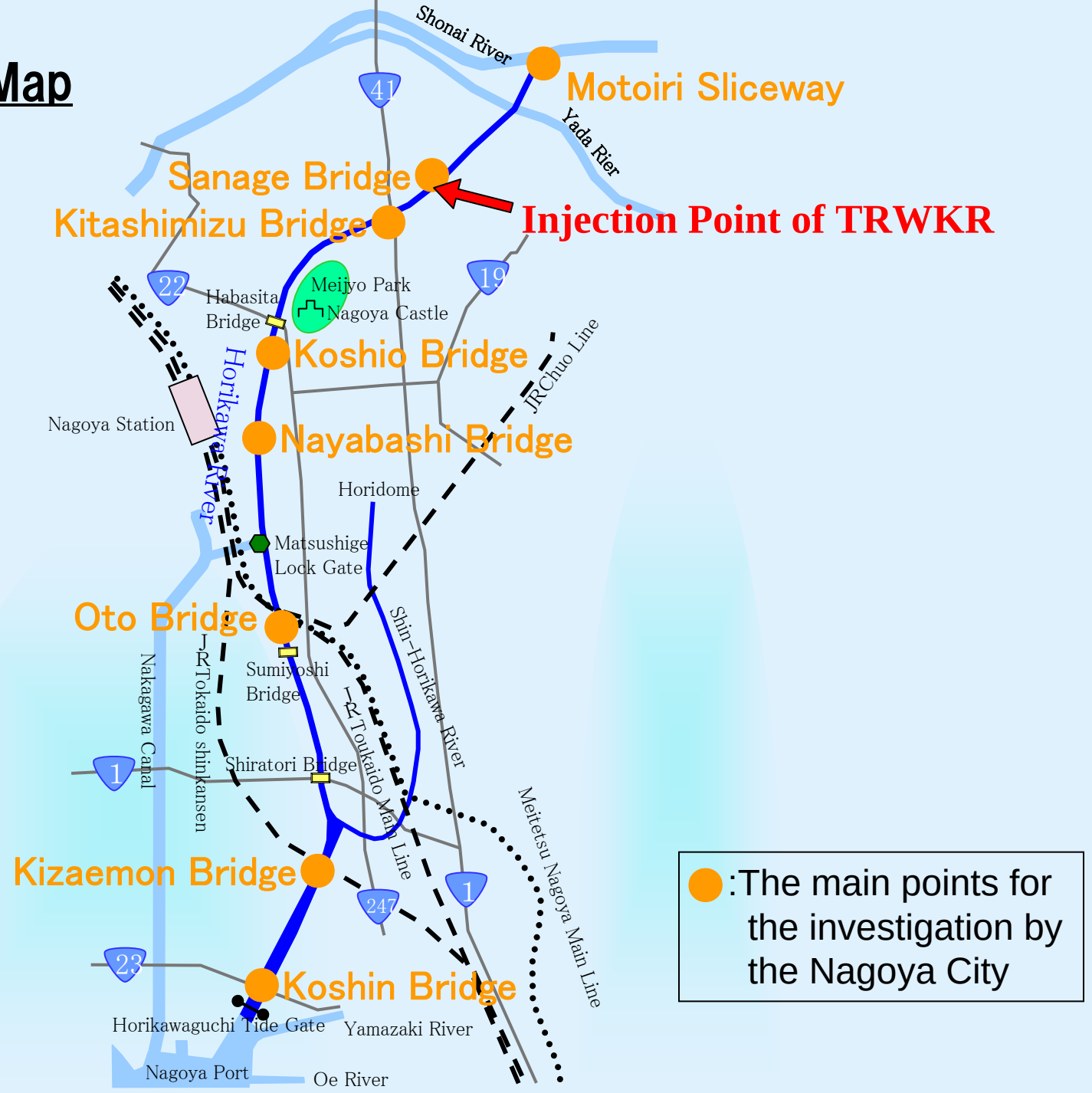


Results of TRWKR



Horikawa River Map

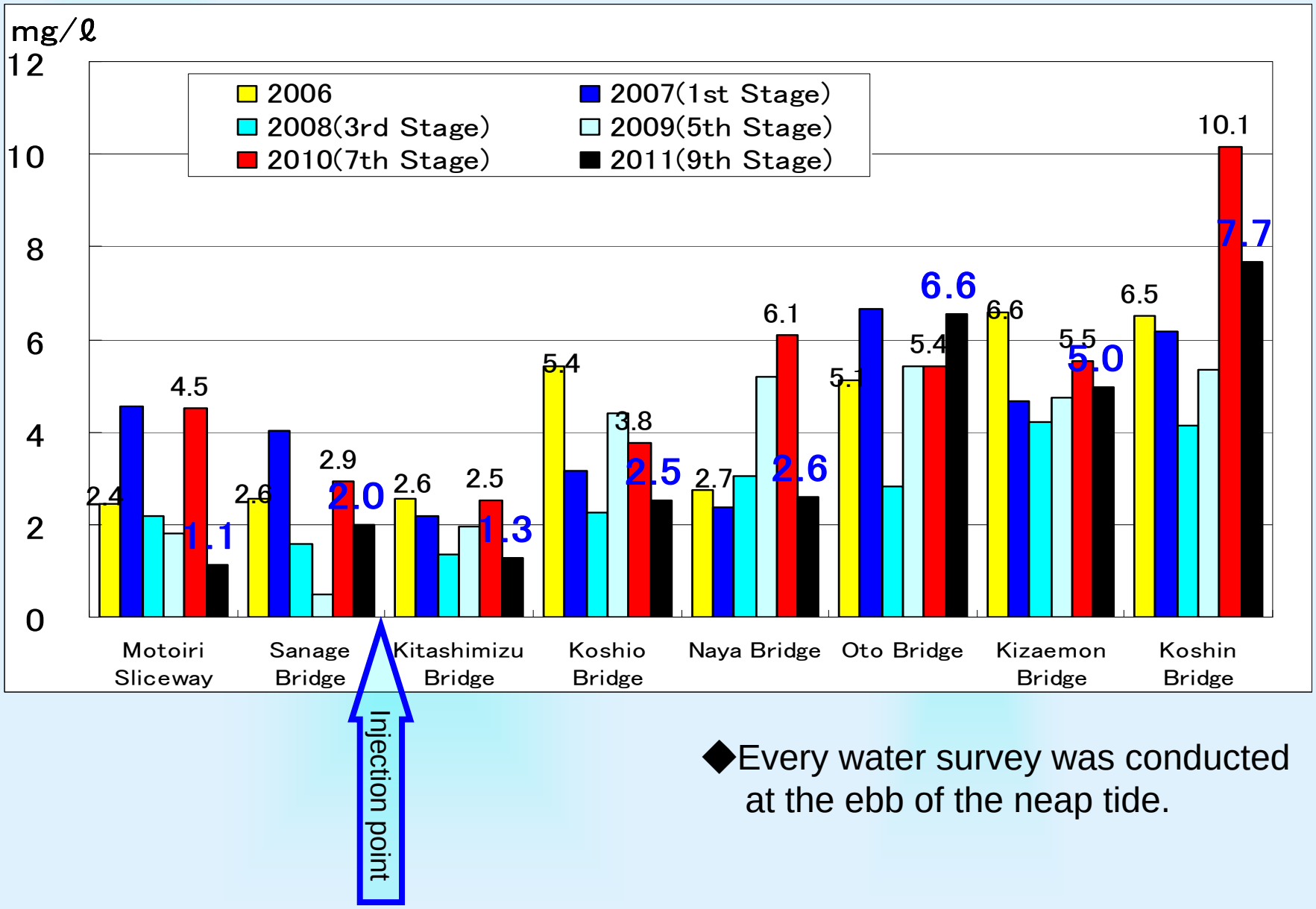
Investigation by the Nagoya City



●:The main points for the investigation by the Nagoya City

Result of the survey of BOD (Biochemical Oxygen Demand)

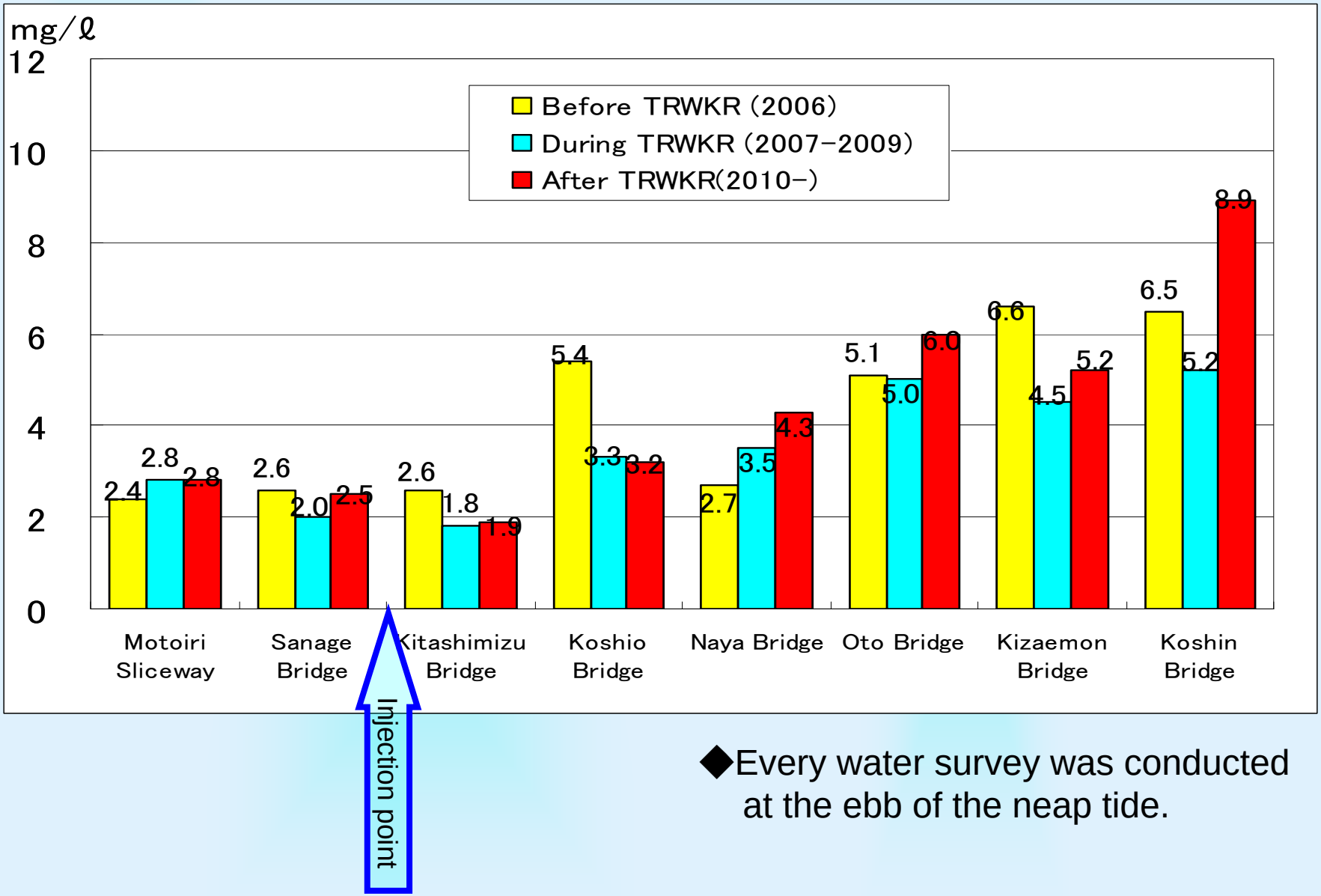
(Mean value from April to June)



◆Every water survey was conducted at the ebb of the neap tide.

Result of the survey of BOD (Biochemical Oxygen Demand)

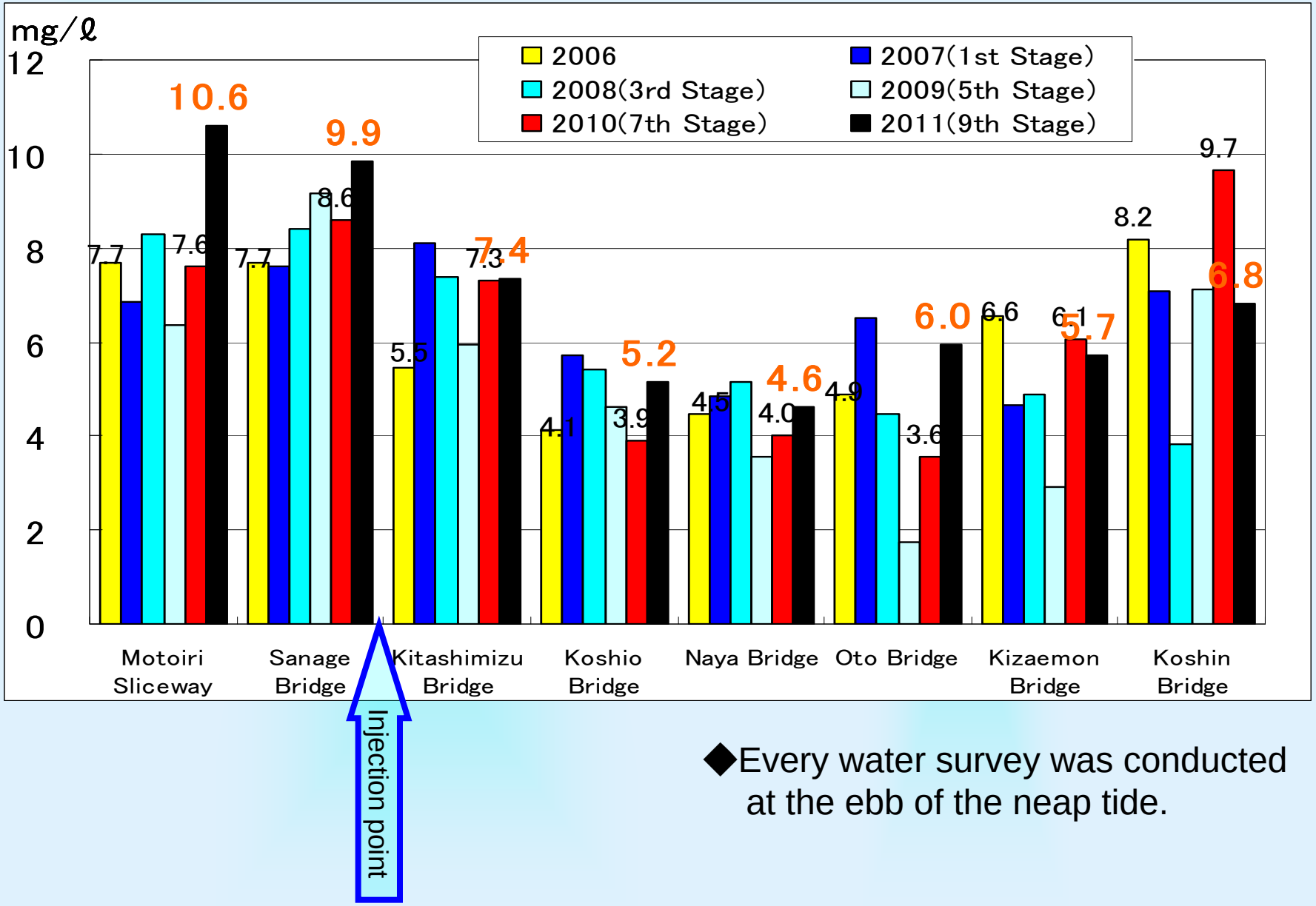
(Mean value from April to June)



◆Every water survey was conducted at the ebb of the neap tide.

Result of the survey of DO （Dissolved oxygen）

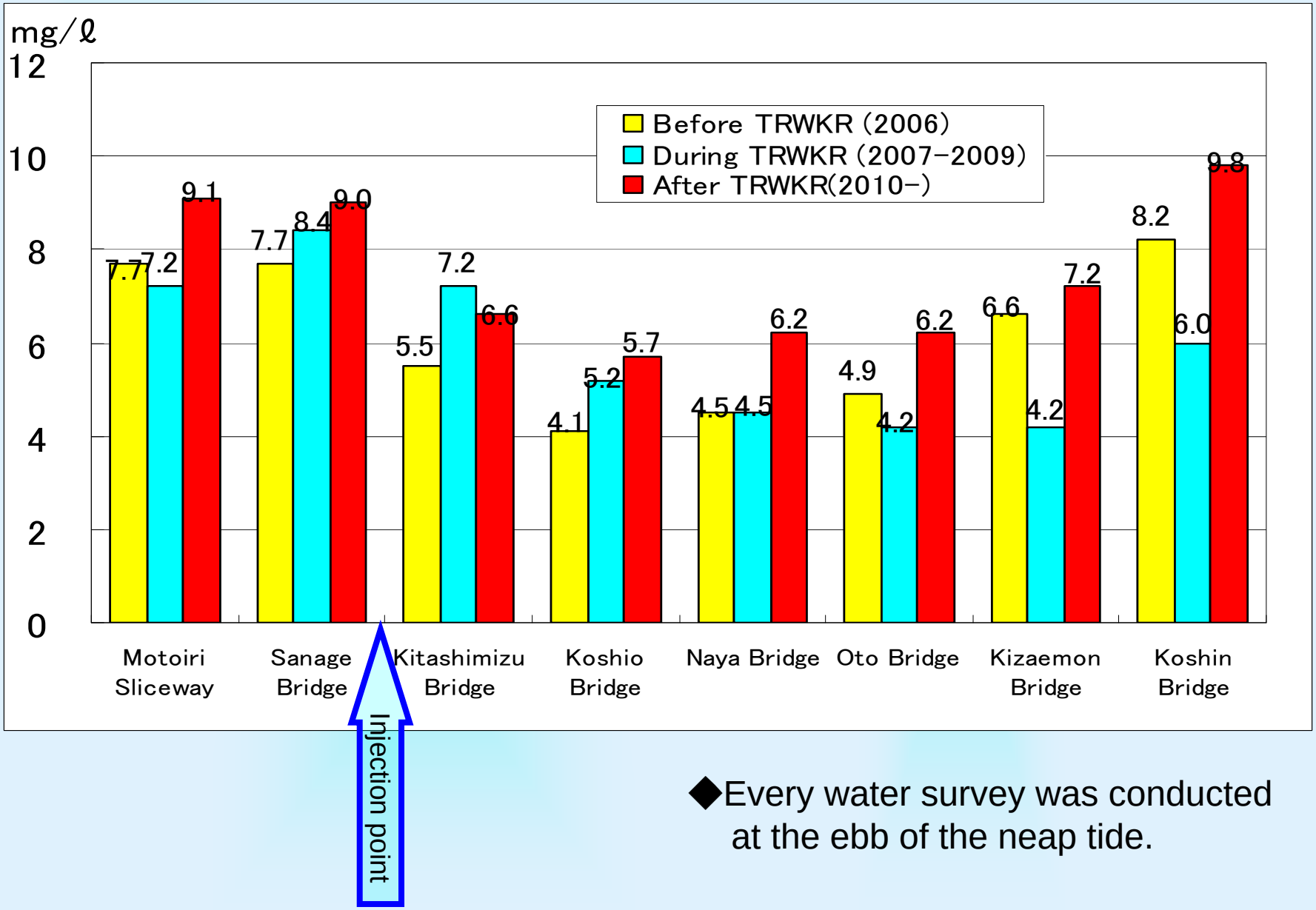
（Mean value from April to June）



◆Every water survey was conducted at the ebb of the neap tide.

Result of the survey of DO （Dissolved oxygen）

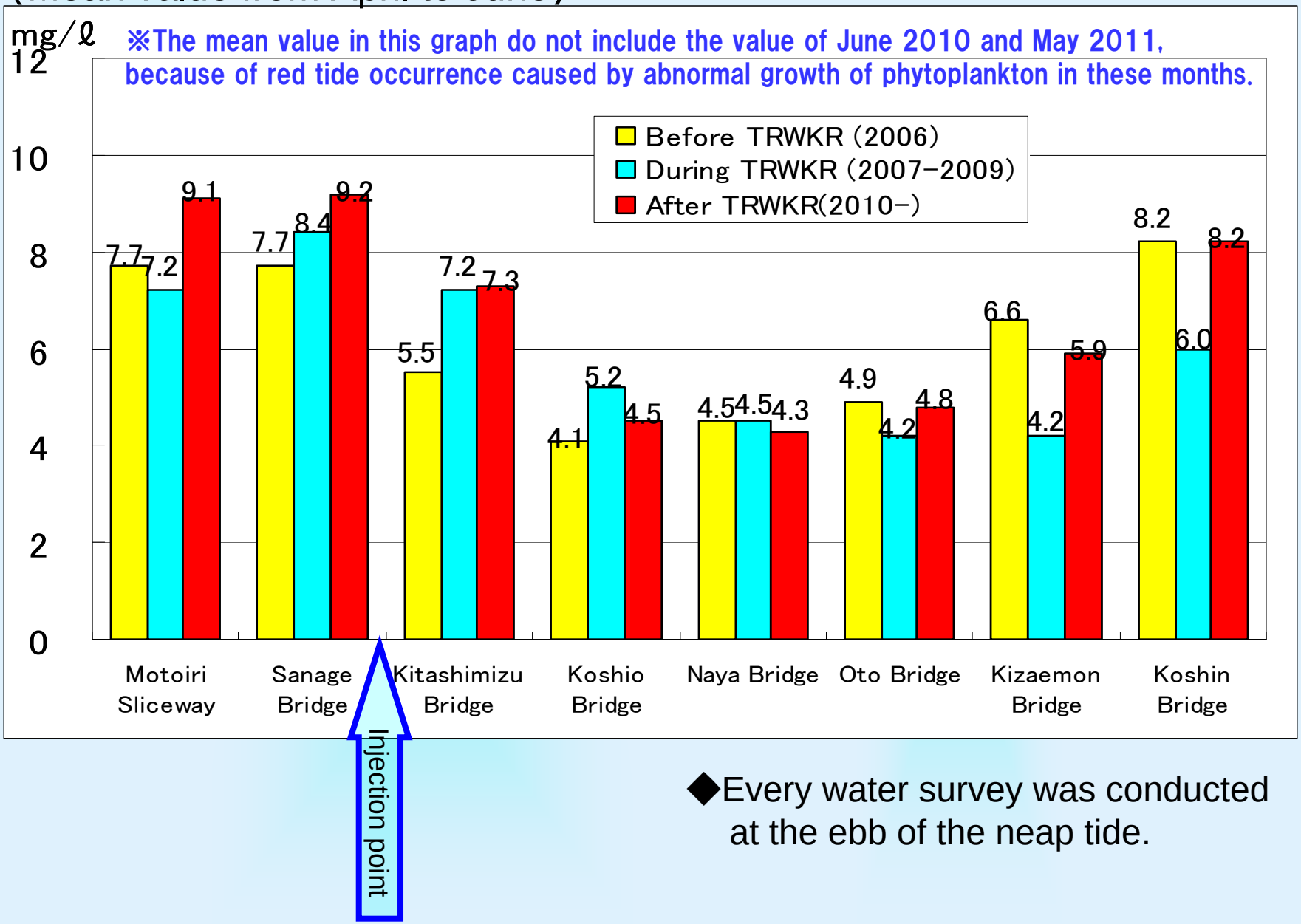
（Mean value from April to June）



◆Every water survey was conducted at the ebb of the neap tide.

Result of the survey of DO （Dissolved oxygen）

（Mean value from April to June）



◆Every water survey was conducted at the ebb of the neap tide.

Glossary

BOD（Biochemical Oxygen Demand）

BOD describes the amount of oxygen consumed when microbes degrade organic compounds in water. It is determined by the amount of organic compounds in drainage water flowing in the river measured by activity of microbes. It is commonly used to show the level of organic pollution in the river.

DO（Dissolved Oxygen）

DO means dissolved oxygen in water. It is necessary for water creatures to live and is also necessary for self-purification of the river and lakes. When drainage water flow in and pollute the water, DO is consumed to degrade organic compounds and is decreased. On the other hand, photosynthesis by algae increases DO. If it shows less than 3mg/L, fishes hardly survive.