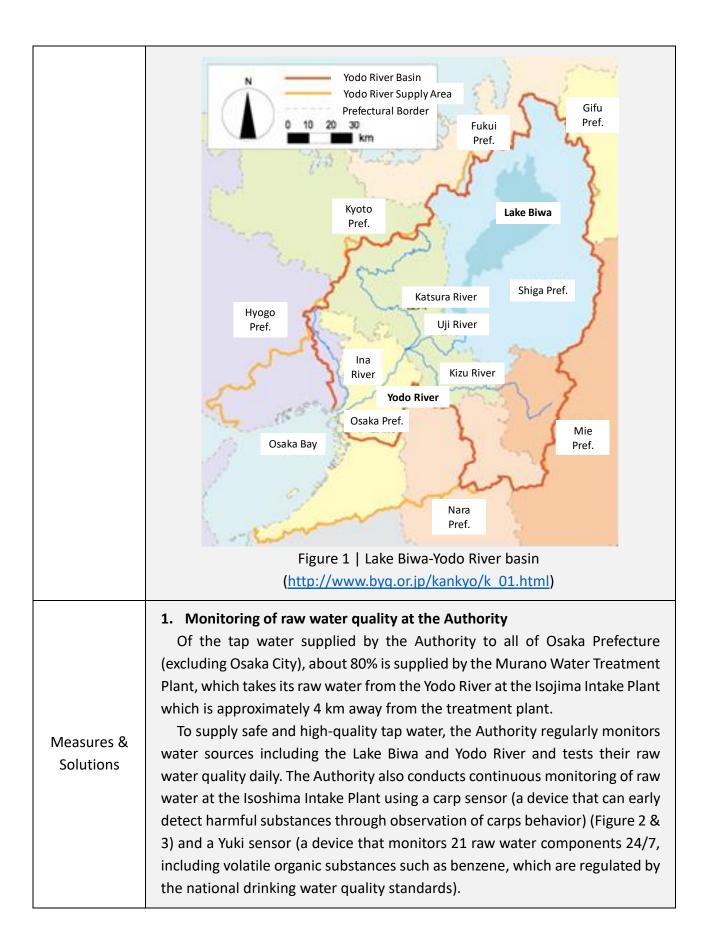
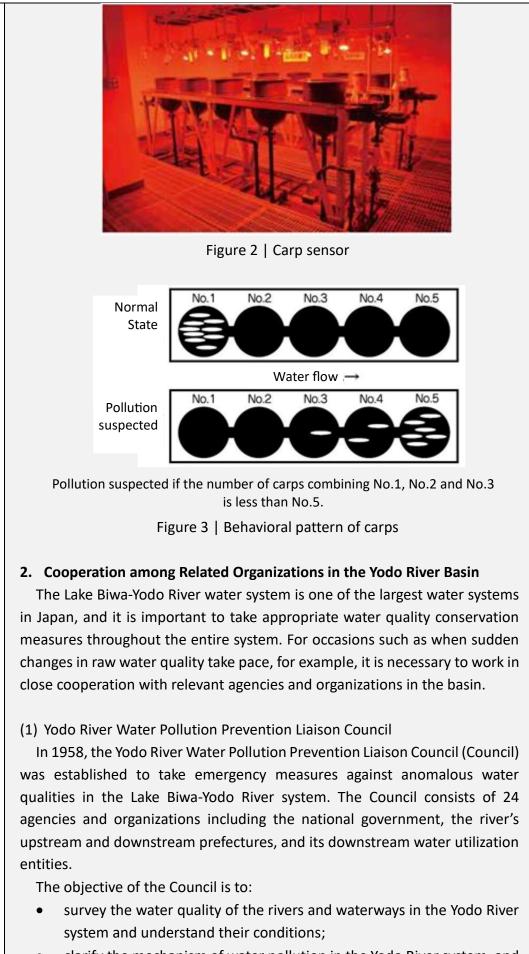
Case	Yodo River Basin Management Structure		
Water utility	Osaka Water Supply Authority		
General information of the utility (2019) *(w) represents data of wholesale water supply			
Operation type	Public (wholesale & retail supply)	Service area (km <sup>2</sup> )	_
Population served	_	Distribution (m <sup>3</sup> /d)	1,487,610 (w)
Service coverage (%)	_	Pipe length (km)	(w)
NRW (%)	0% (w)	Number of staff	547
Number of water sources	Surface water (3), Groundwater (0), Others (0)		
Water rates (JPY)	_	(in case of 10m <sup>3</sup> of wat residential customers)	ter use per month for
Summary	The Yodo River is the source of water supply for the Osaka Water Supply Authority (Authority). The river is constantly under threat of water pollution incidents due to oil and harmful substances, and depending on the nature and scale of water pollution, water intake might get suspended. Therefore, in addition to continuous raw water monitoring, the Authority has a collaborative structure in place to address sudden changes in water quality through close cooperation with related agencies and organizations in the Yodo River basin.		
Current Status & Challenges	Primarily fed by Lake Biwa and joined by three rivers which are Uji, Kizu, and Katsura, the Yodo River has a relatively stable flow conditions as compared with other rivers in Japan and is a source of water supply for approximately 12 million people in the basin (Figure 1). It is a "repeatedly used river" that flows through various urban areas and is constantly exposed to the threat of water pollution incidents due to oil and harmful substances. Therefore, depending on the nature and scale of water pollution, water intake might need to be suspended.		





• clarify the mechanism of water pollution in the Yodo River system, and

to conduct research on water quality management methods and pollution prevention measures in the basin; and

• improve the water quality of the Yodo River effectively through mutual communication and coordination among the council members.

In the event of a water quality incident, the Council members contact with each other via NTT's telephone lines and the Ministry of Land, Infrastructure, Transport and Tourism's dedicated telephone lines, in order to swiftly address the incident.

(2) Yodo River Water Quality Council

In 1965, the Yodo River Water Quality Council (Quality Council) was established, comprised of seven water utilities (currently nine utilities) that abstract raw water from the Yodo River.

The Quality Council aims to:

- monitor and investigate the river's water quality;
- prevent the river's water pollution by negotiating with and communicating related information to the national government and local governments upstream of the river;
- establish an emergency communication line so that the member utilities can work together efficiently when sudden water quality incidents occur; and
- conduct public outreach about water quality conservation.

In recent years, the member utilities have conducted a joint survey on radioactive substances (cesium-134, cesium-137, and iodine-131) at five representative points in the Lake Biwa-Yodo River system, and have published its result.

(3) Mutual communication line in the event of water quality incident

Figure 4 shows the basic communication line among the Quality Council members in the event of a water quality incident in the Yodo River. In addition, another communication line has also been established to address anomalous water qualities occurring at the water facilities operated by the Quality Council members. These communication lines help efficient coordination among the member utilities and with other relevant agencities and organizations.

