

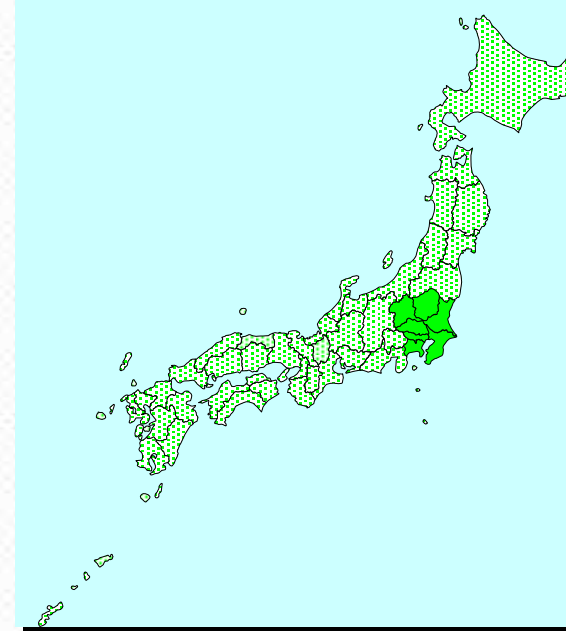
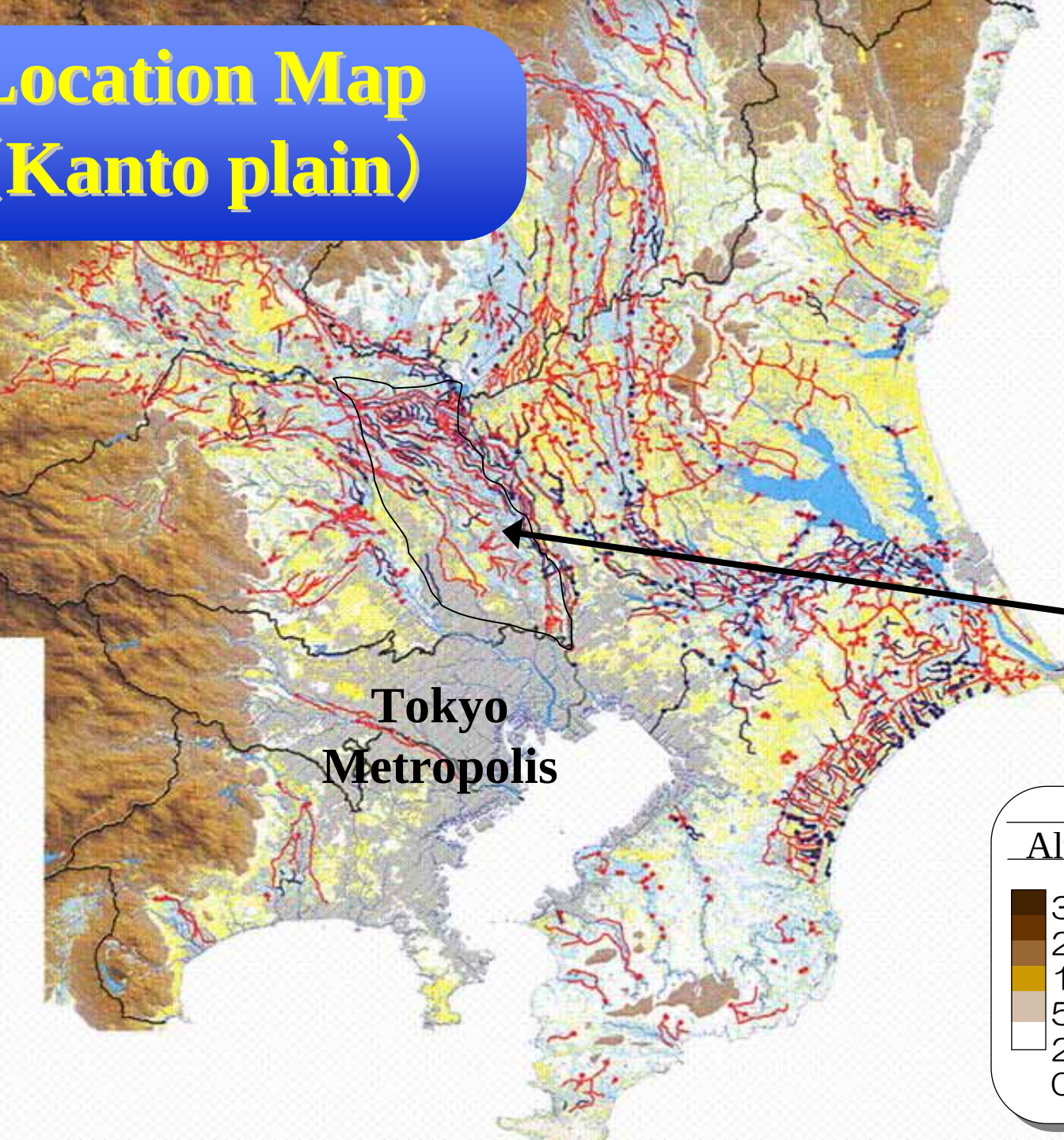
Welcome to Tone Canal Project

Part1

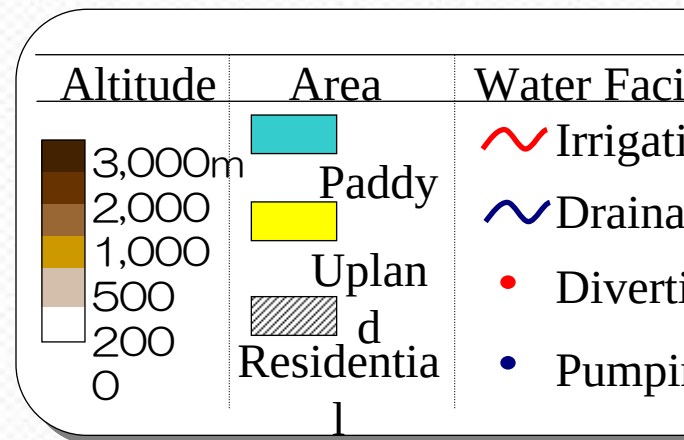
Outline of Tone Canal Project



Location Map (Kanto plain)



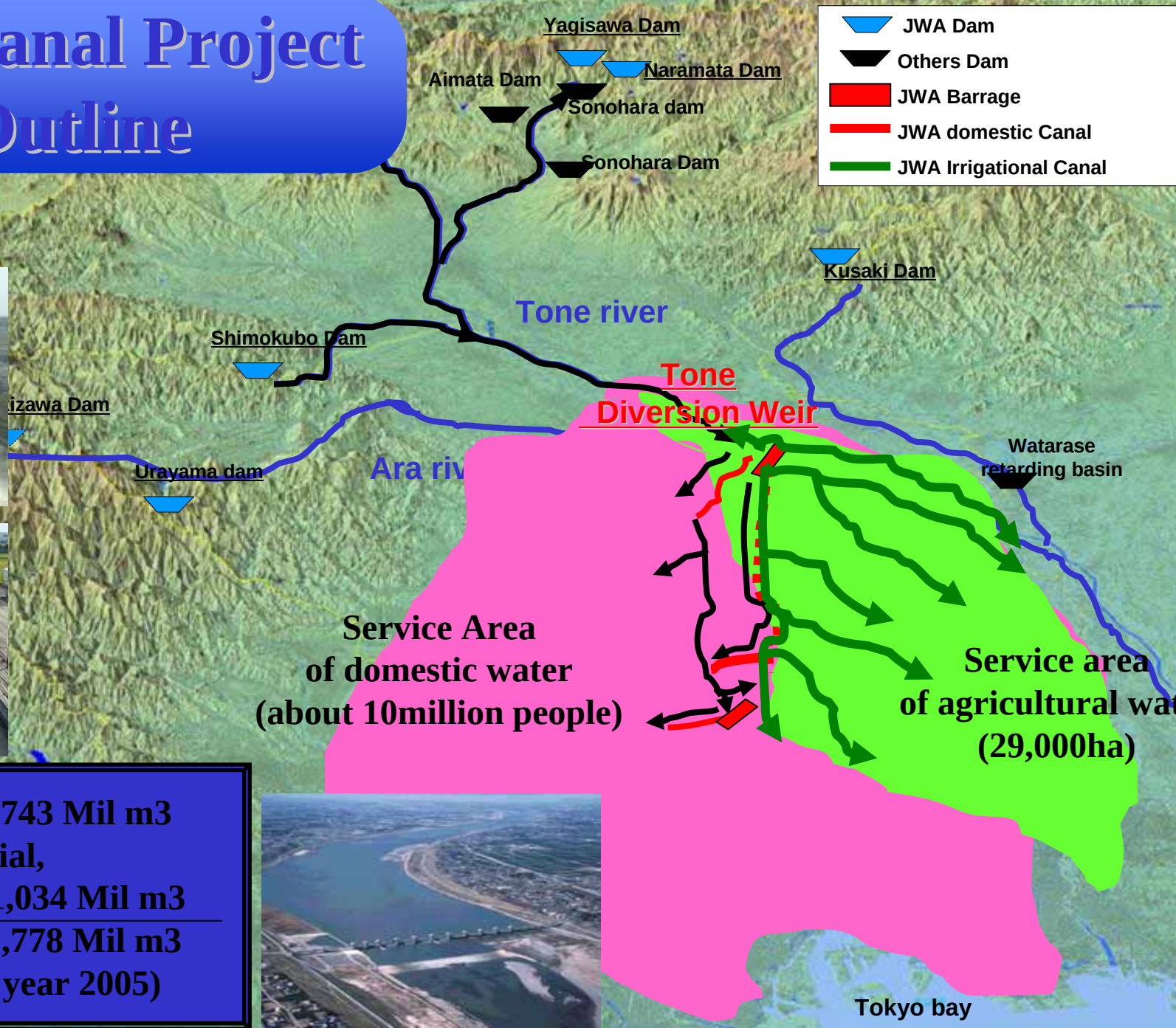
**Tone Canal
service coverage
of agri.(29,000ha)**



Tone Canal Project Outline



Industrial water	743 Mil m ³
Domestic, Industrial, or etc water	1,034 Mil m ³
TOTAL	1,778 Mil m³
(per year 2005)	



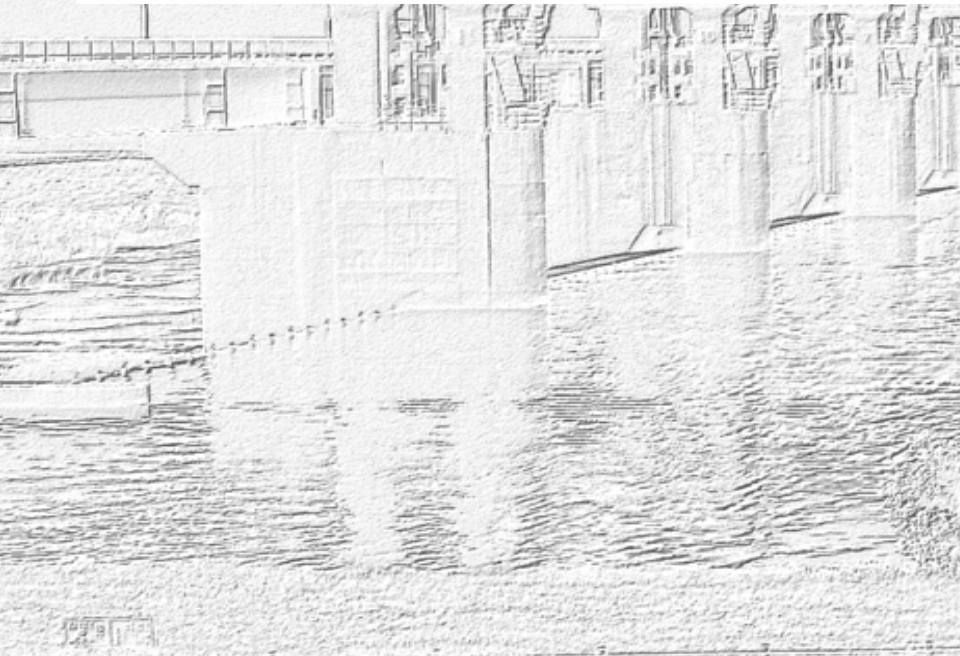
The Role of Tone Canal Project

- Achieved to supply large quantity water rapidly from the Tone River middle reach to Metropolitan area.
- Comprehensive water plan which supply domestic water and agricultural water.
- Provided the Water Resources Development Promotion law.



Outline of the Tone Canal Project

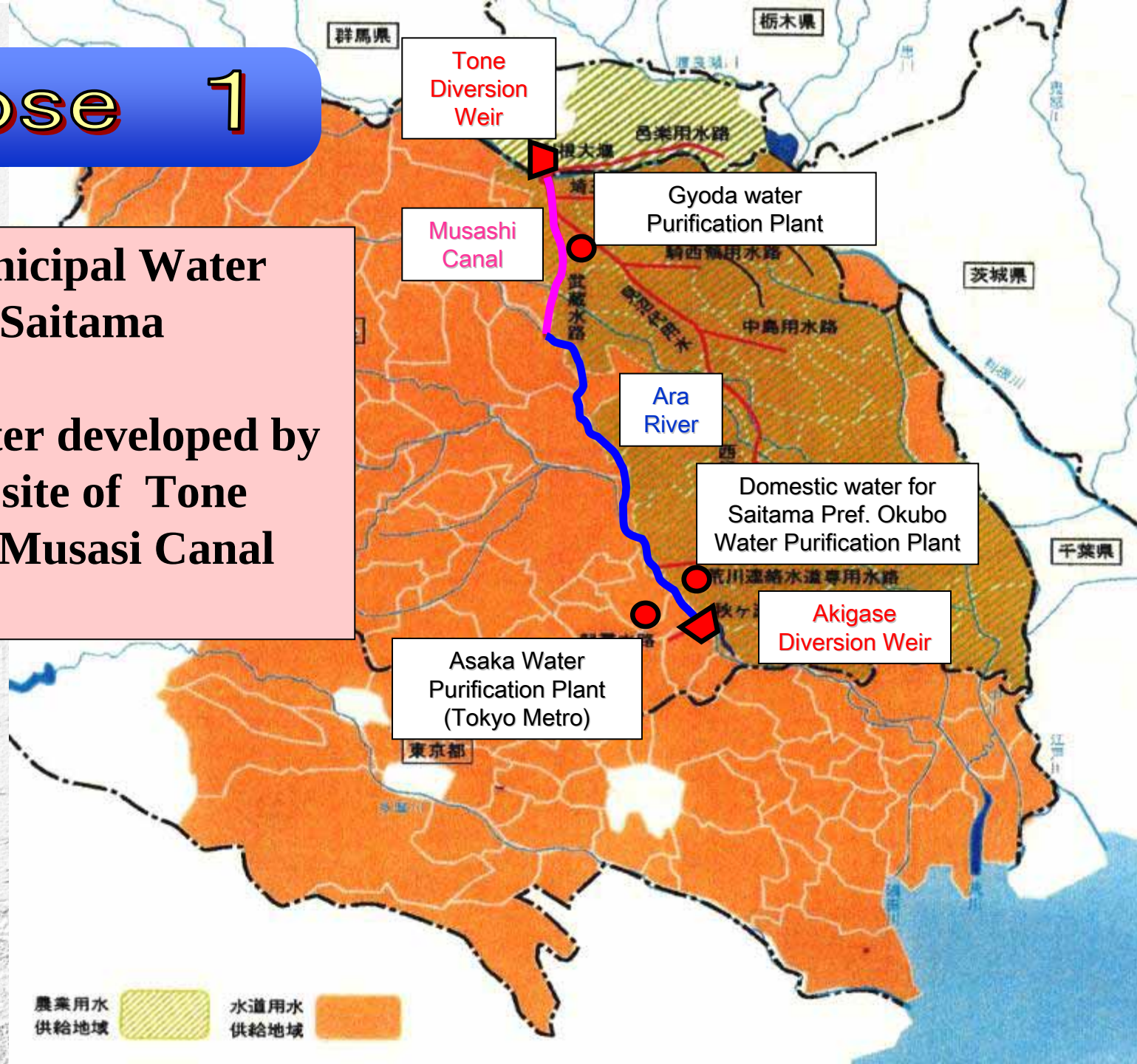
- Tone Canal Project was carried out during 1963 to 1968.
- Intake water quantity from Tone river is max 138m³/s.



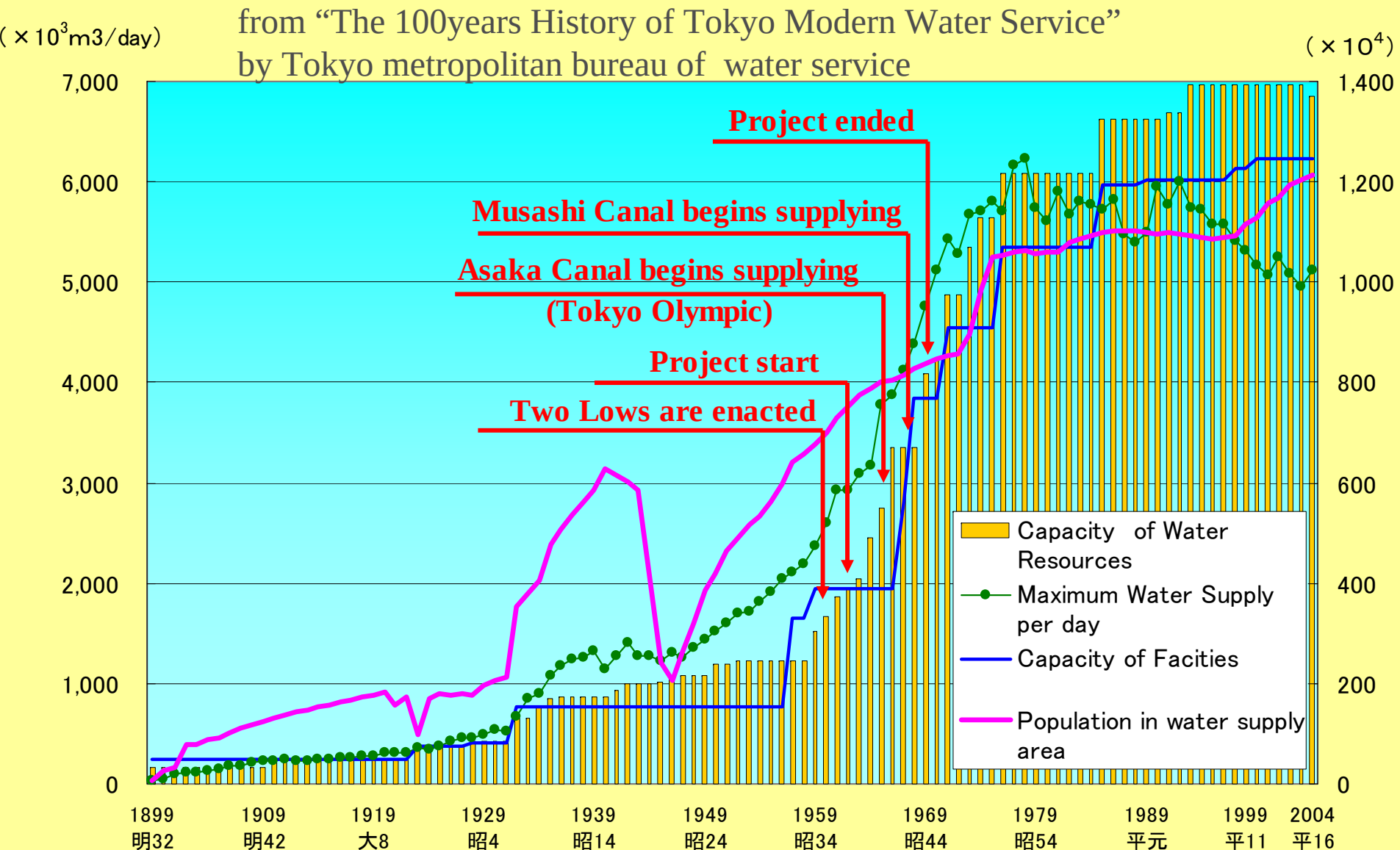
Purpose 1

To Supply Municipal Water for Tokyo and Saitama Prefecture.

We convey water developed by dams in upper site of Tone River through Musasi Canal and Ara River.



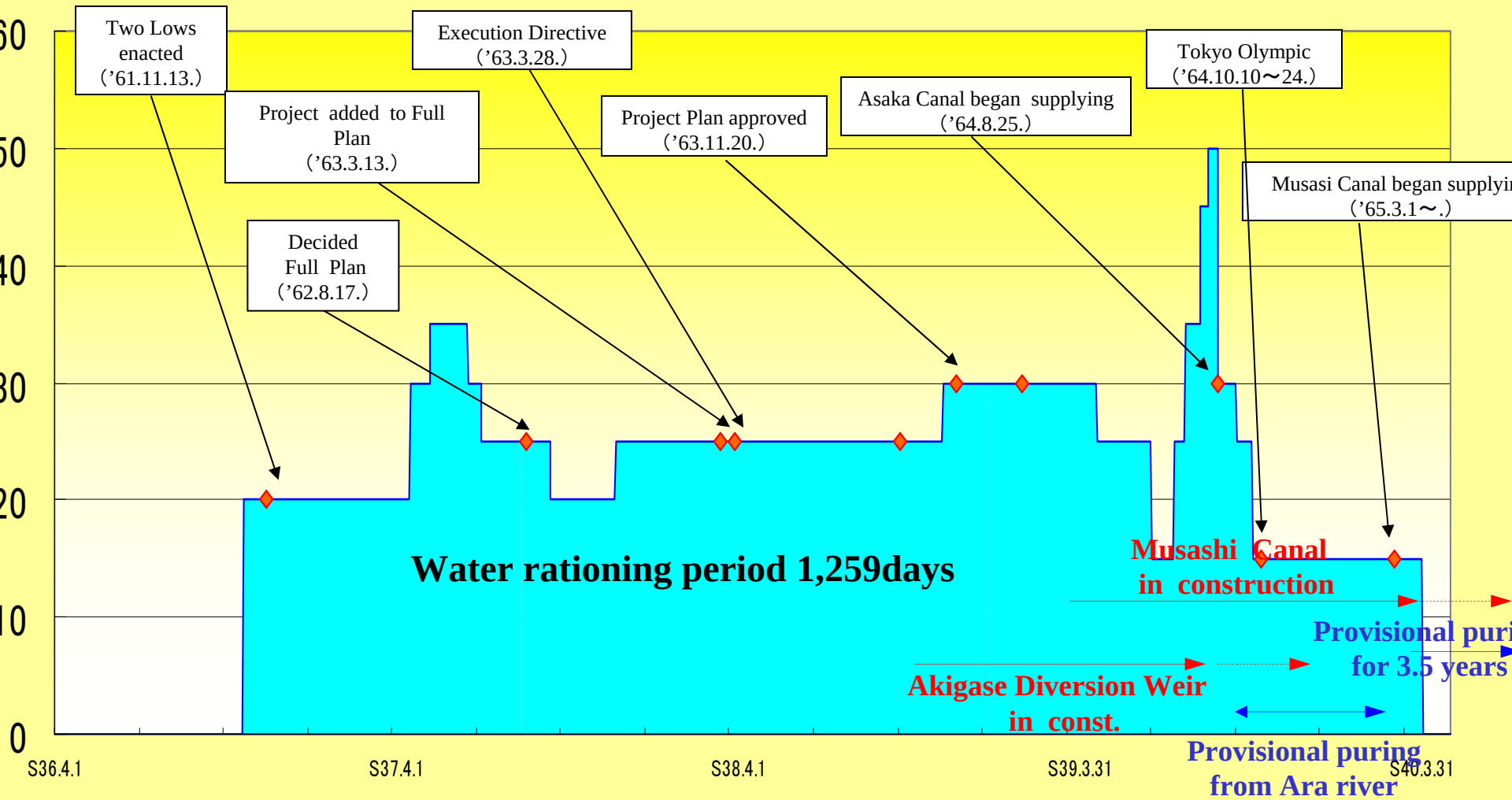
Population growth and Water supply capacity in Tokyo



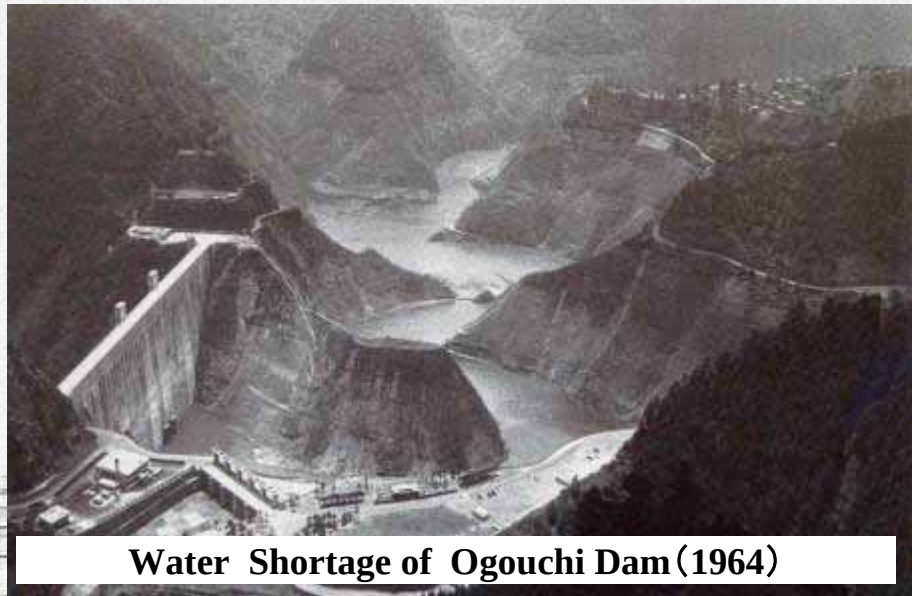
Water Rationing in Tokyo

(1961.10.20 ~ 1965.3.31)

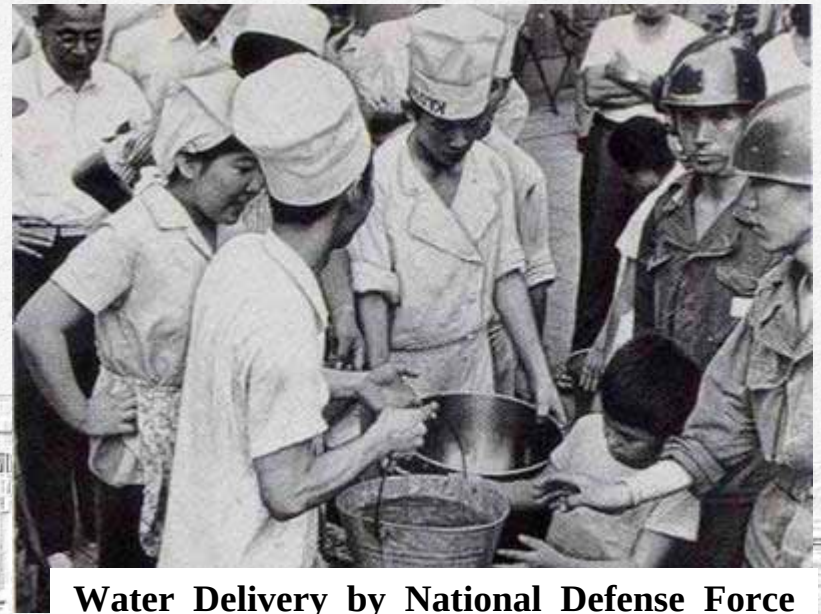
制限率 (%)



“Tokyo Desert” or “Olympic Drought”



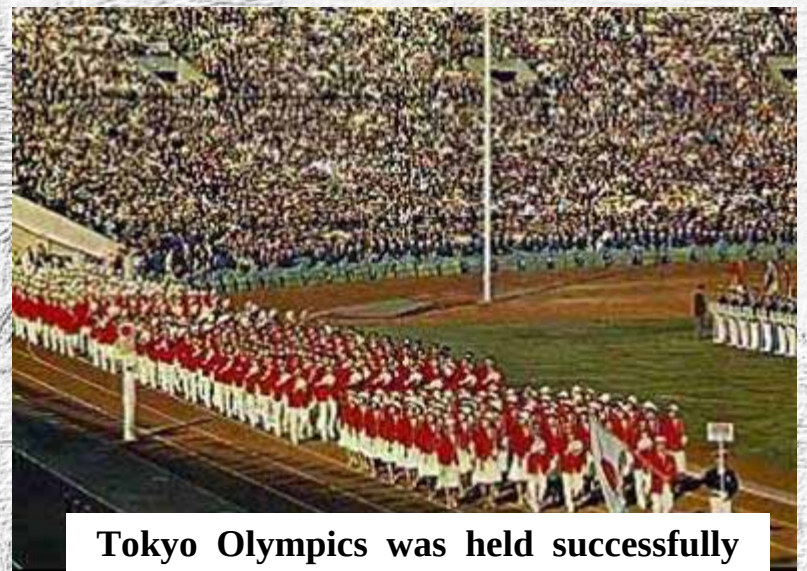
Water Shortage of Ogouchi Dam (1964)



Water Delivery by National Defense Force



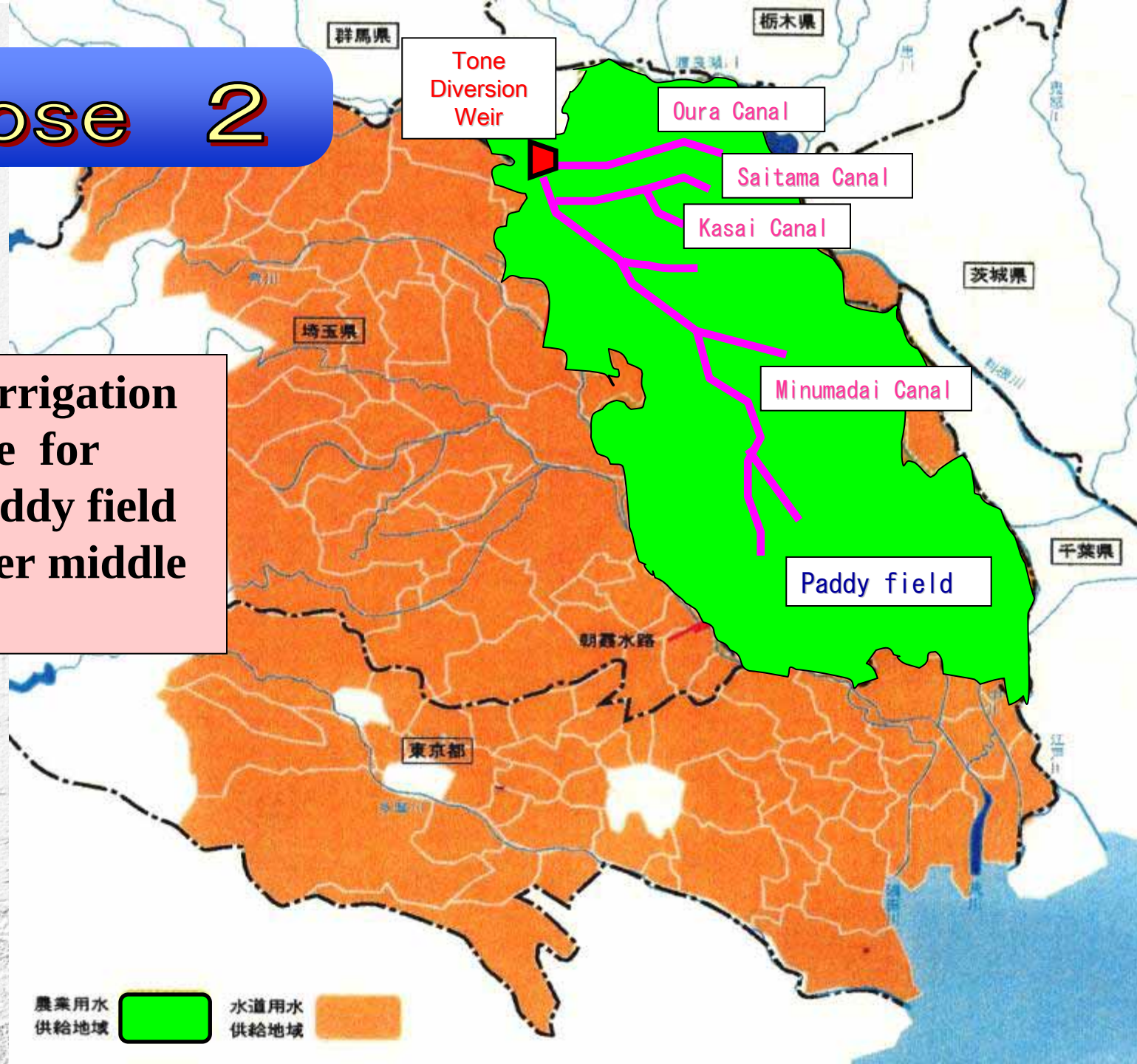
“Olympic water delivery” by water tank car



Tokyo Olympics was held successfully

Purpose 2

To Supply Irrigation Water stable for 29,000ha paddy field in Tone River middle reach.



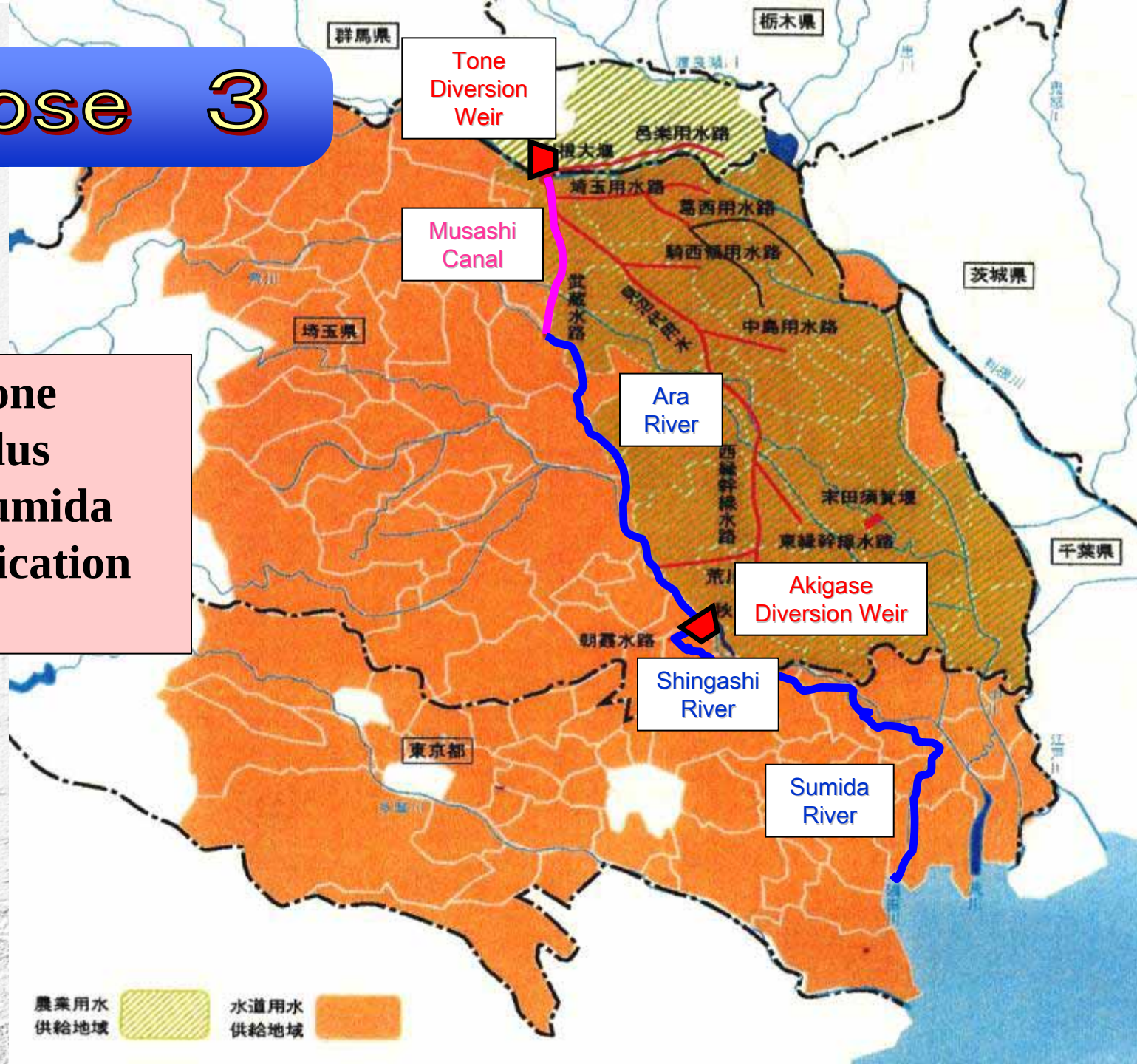
Irrigation water's Intakes Unification

- 8 irrigation water's intakes, which were developed 400 ~ 300 years ago (Edo Era) along the Tone river middle reach, were unified to the Tone Diversion's Intake to intake water stable.

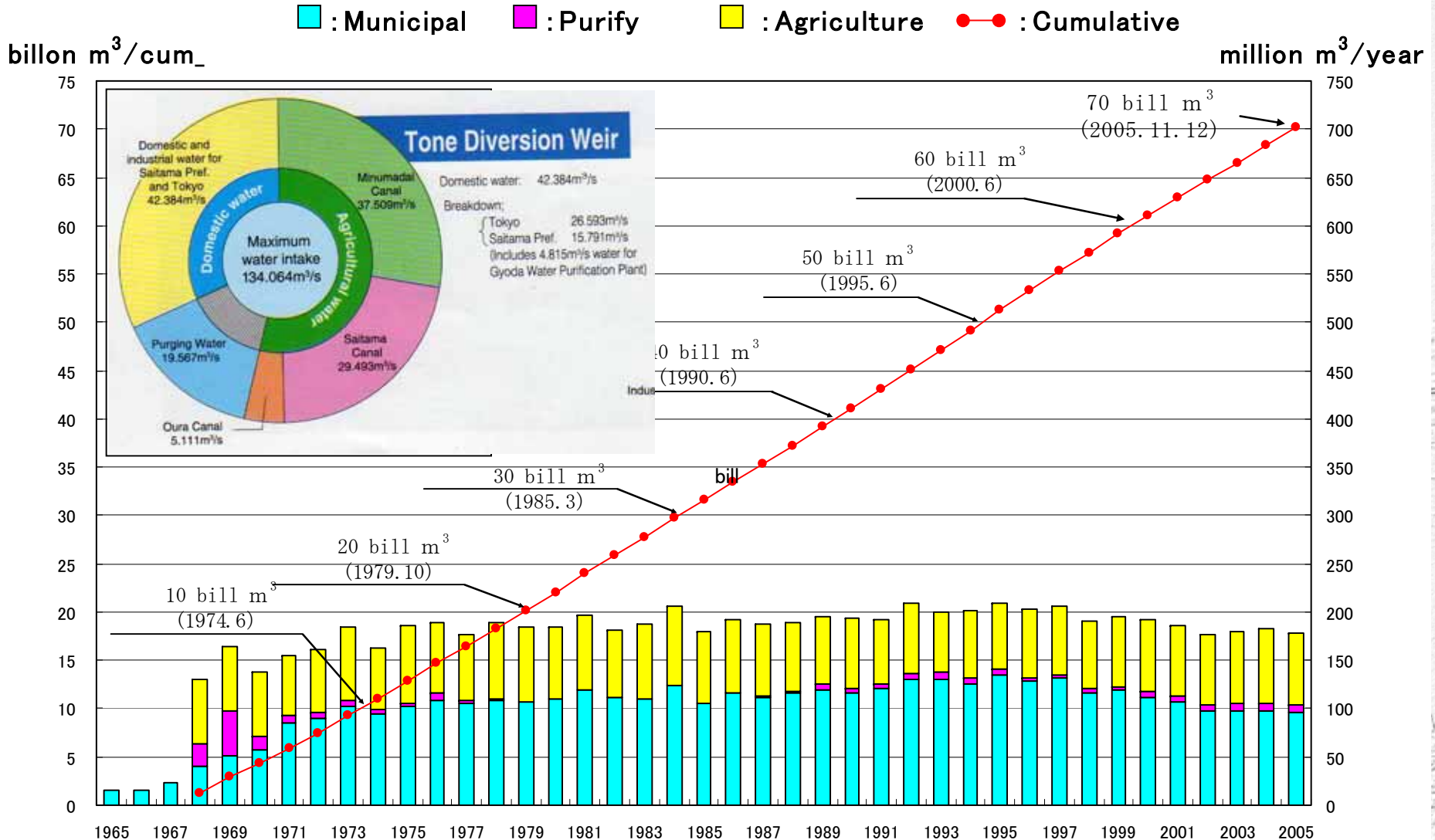


Purpose 3

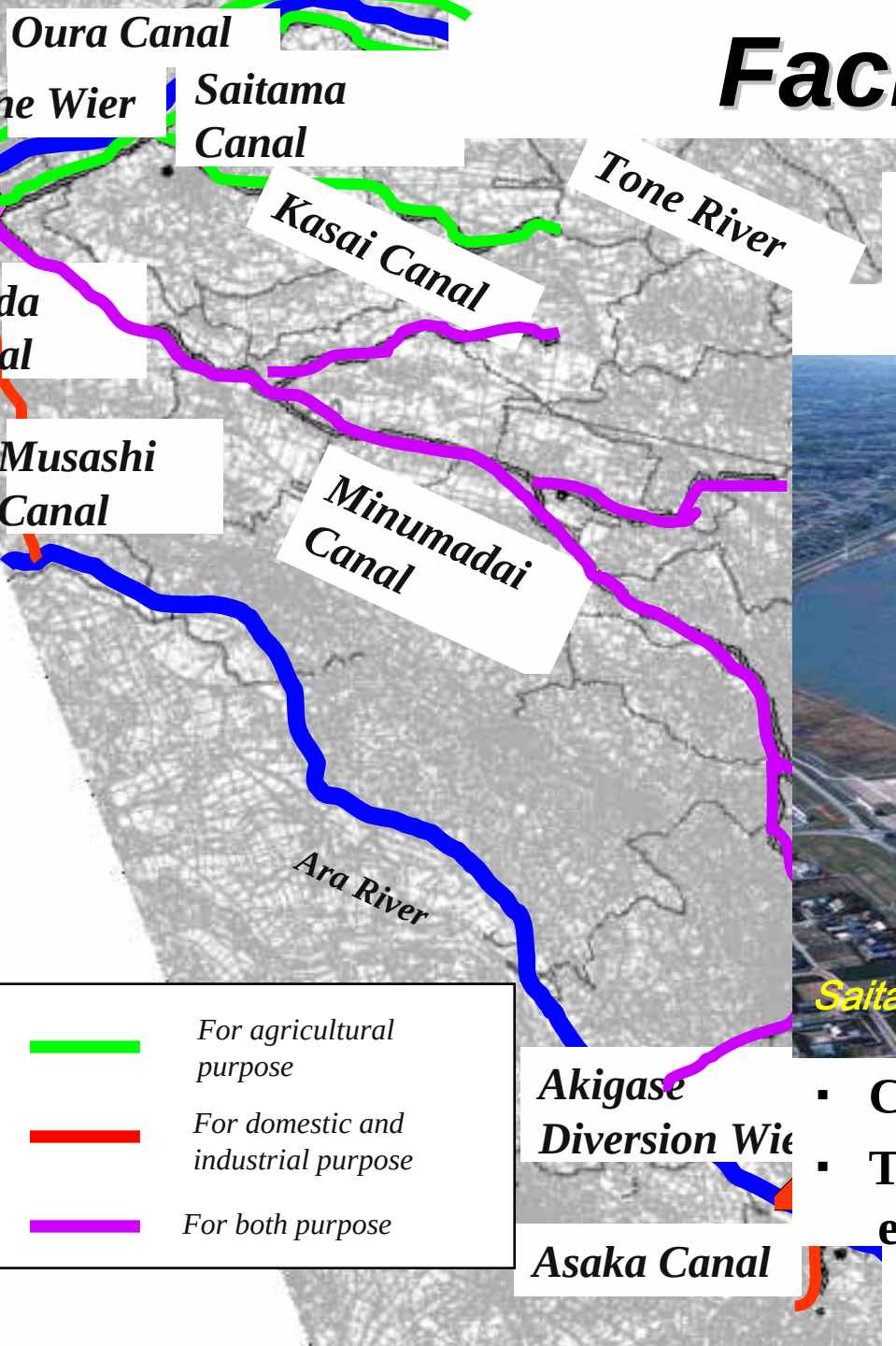
To Supply Tone River's Surplus Water for Sumida River's purification water.



Volume of Water Intake from the Tone Diversion Weir



Facilities



【Musahi Canal】

【Tone Diversion Wier】



- Constructed in 1984.
 - To dam up Tone River and divert water to each canal.
- water for Tokyo and Saitama prefecture.

Supplying water for users properly, safely, stability



Refusing dusts in canal



Canal Gate Operation & Patrol



Inspecting gates



Operation-room (Monitor & Operation)



Inspecting Information equipment

Maintenance on preventing disaster



Flood time operation in Operation-room



Facility Patrolling at flood time



Oil-fence setting for Water quality accident



Flood-time Operation (Full gates open)