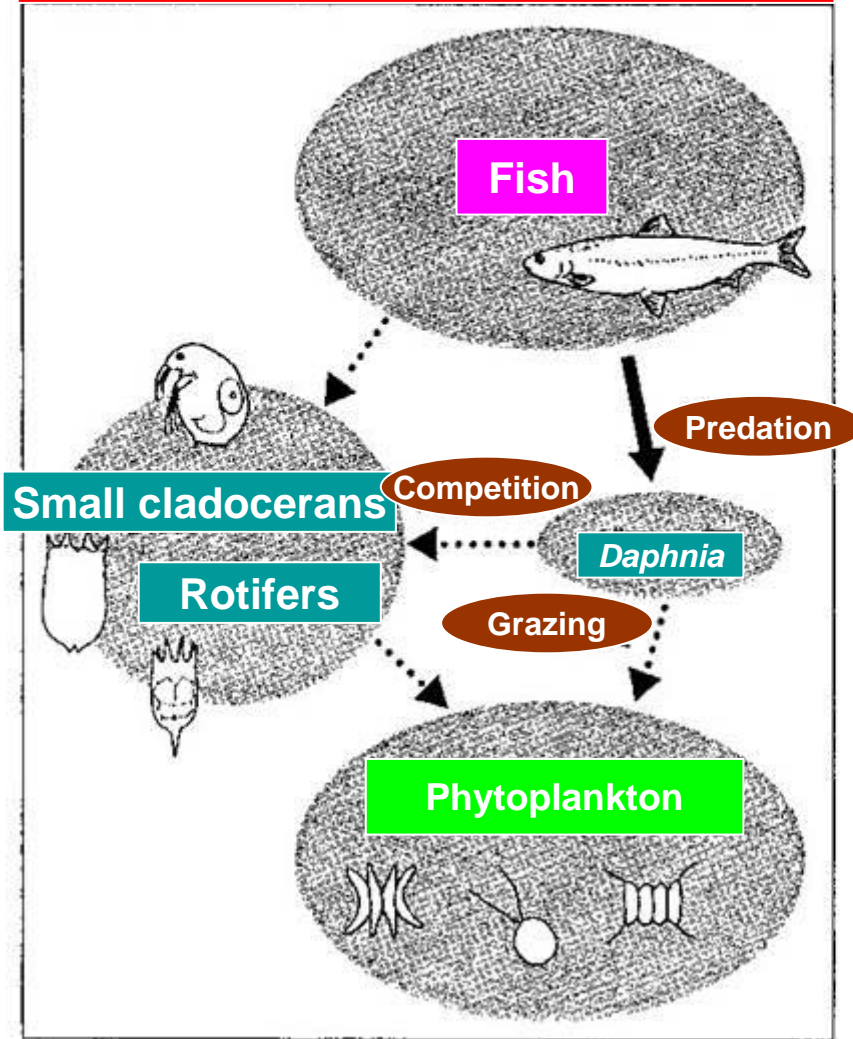
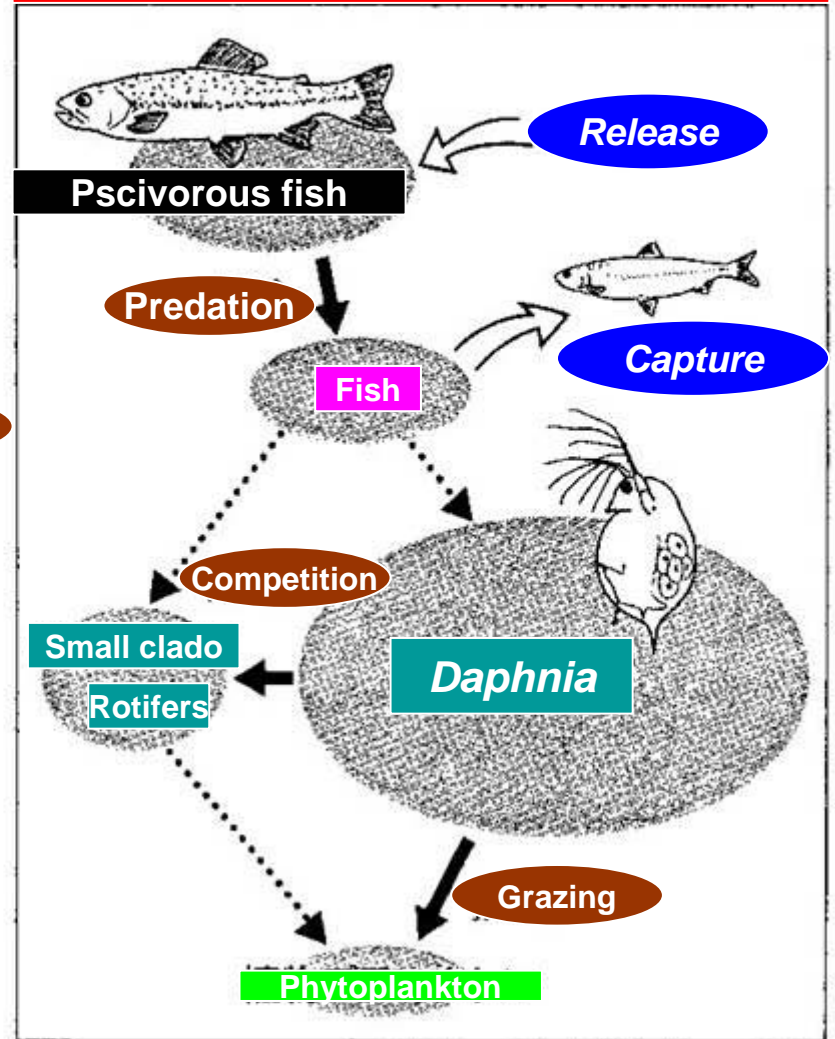


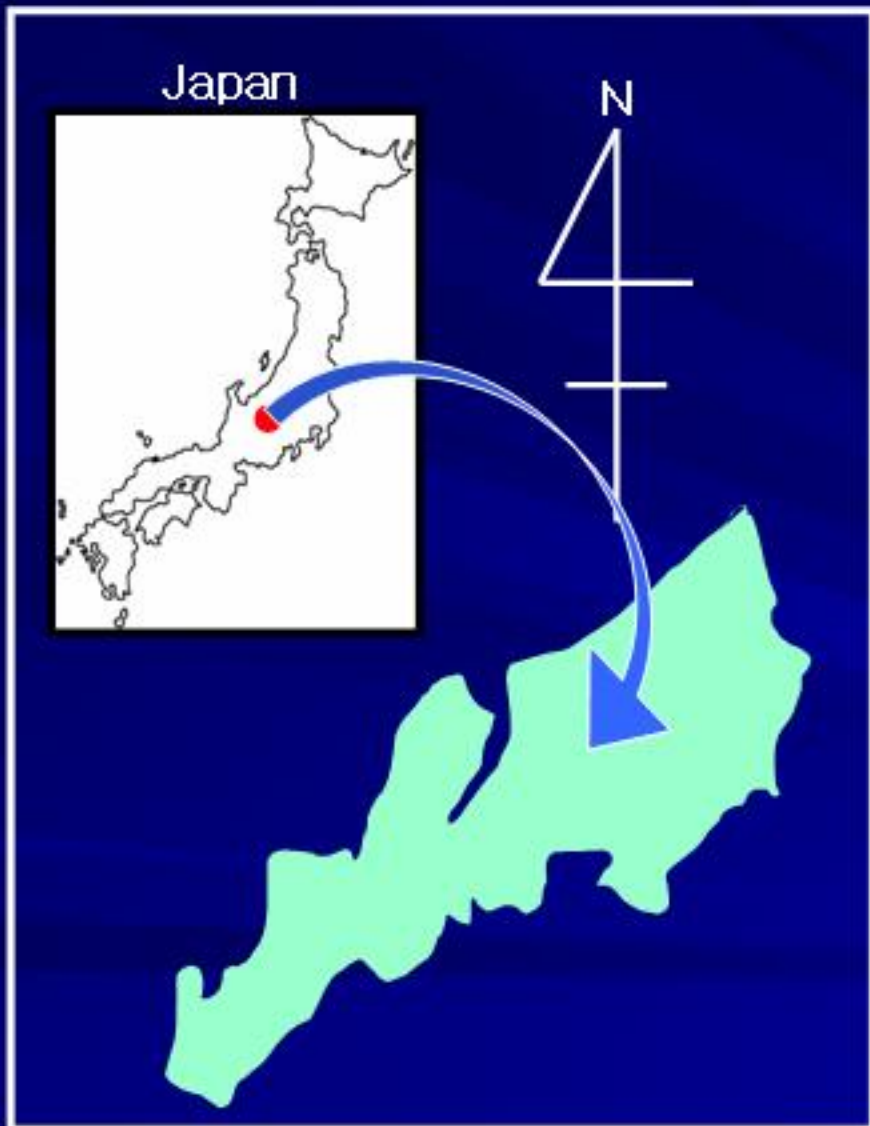
Ecosystem in eutrophic lakes



Biomanipulation



Lake Shirakaba



Outline of the lake

1. Man-made lake: born in 1946
2. Altitude : 1,416m
3. Surface area : 36ha
4. Max. water depth : 9.1m



Lake Shirakara in Spring

Biomanipulation in Lake Shirakaba

Monitoring of water quality and plankton community : 1997 ~

Releasing rainbow trout : 2000 ~ 2003

Introduction of the large cladoceran *Daphnia galeata* : 2000

Oncorhynchus mykiss



Daphnia galeata



Lake Shirakaba in winter