

Monitoring and acquisition of data from Yellow sea in RO Korea

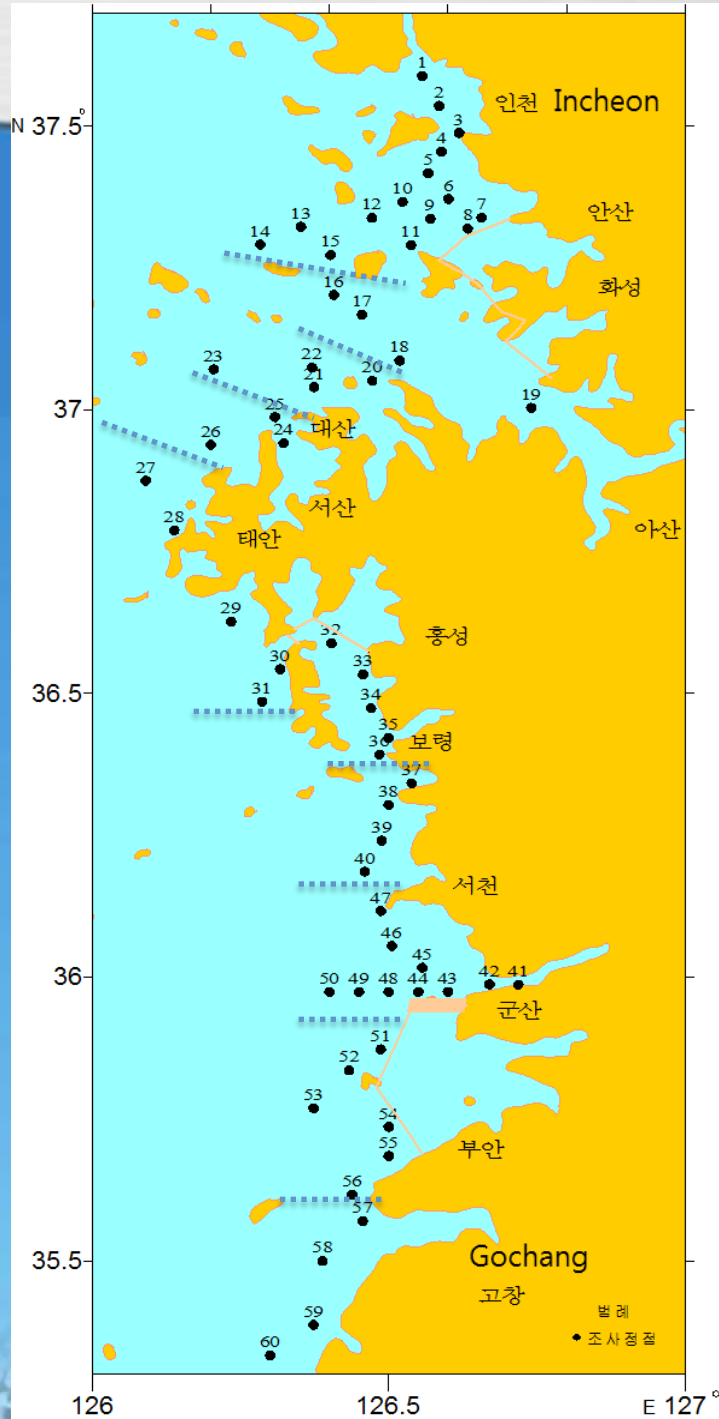
YOONSEOK CHOI, Yoon LEE

National Institute of Fisheries Science,
Ministry of Oceans and Fisheries



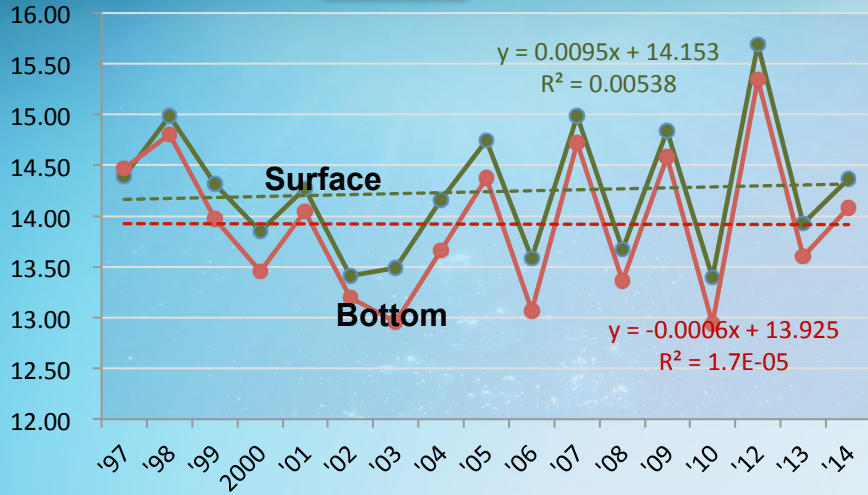
Station map

St		
Incheon	St.1~15	15
Ansan	St.16~19	4
Daesan	St.20~23	4
Garolim	St.24~26	3
Tae'an	St.27~31	5
Cheonsuman	St.32~36	5
Boryeong	St.37~40	4
Gunsan	St.41~50	10
Jenjupo	St.51~56	6
Gochang	St.57~60	4

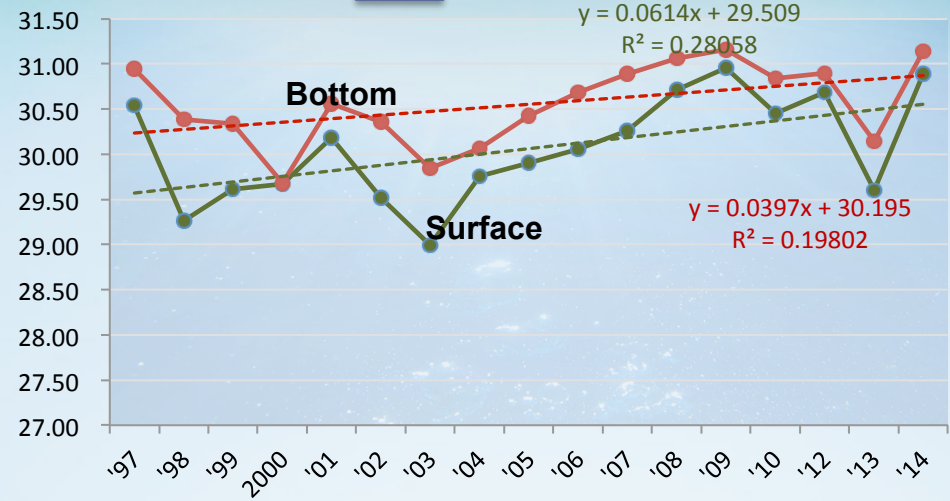


Annual variation

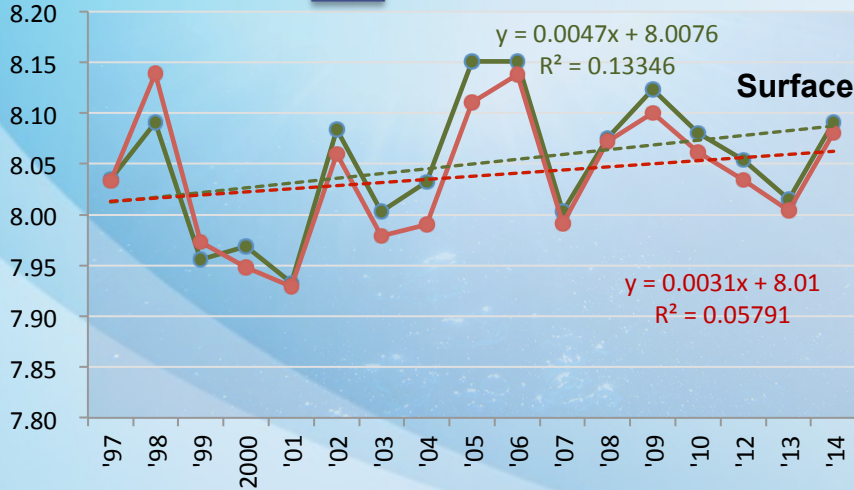
Temp.



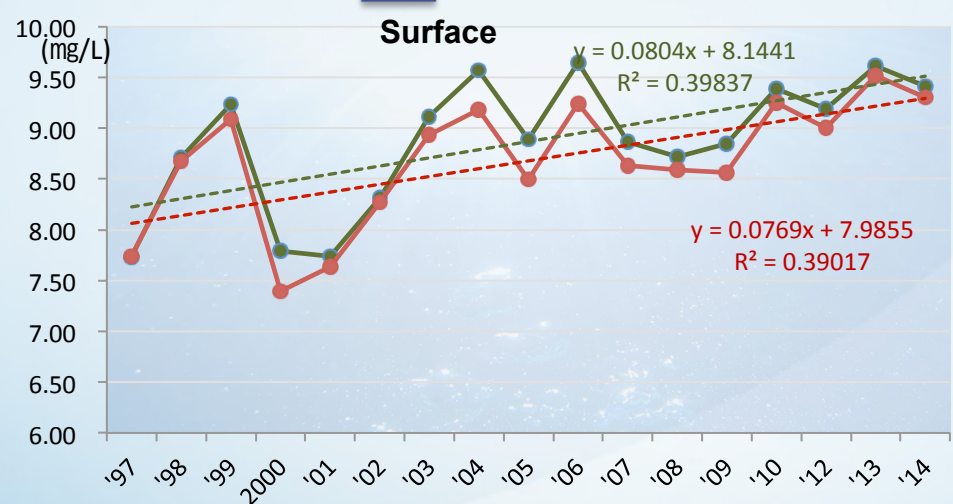
Sal.



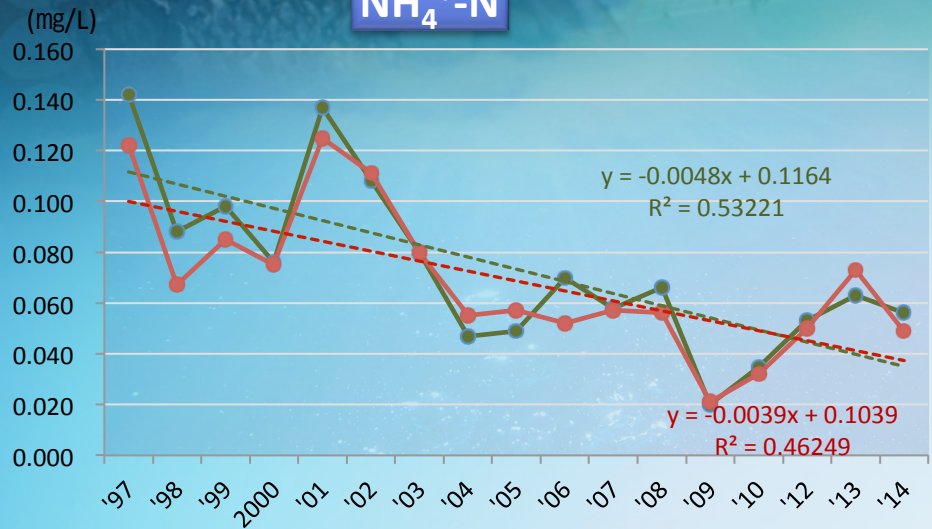
pH



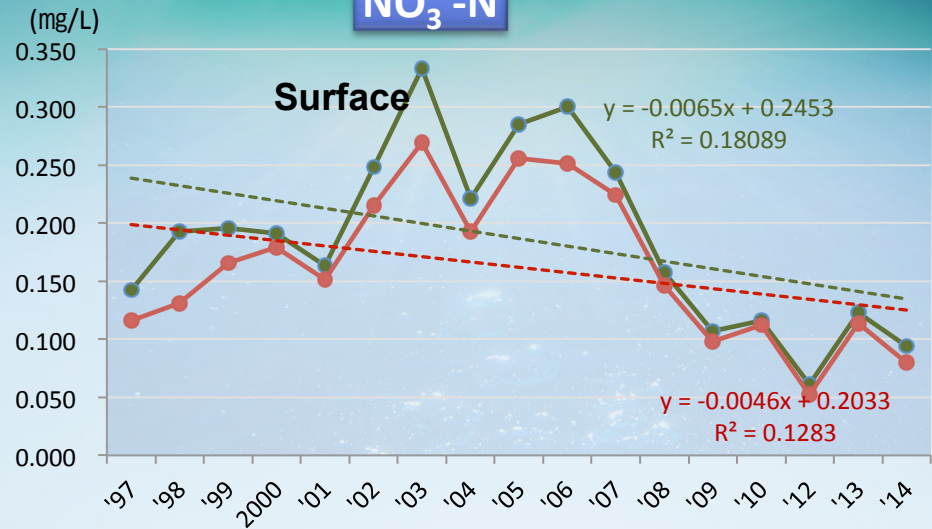
DO



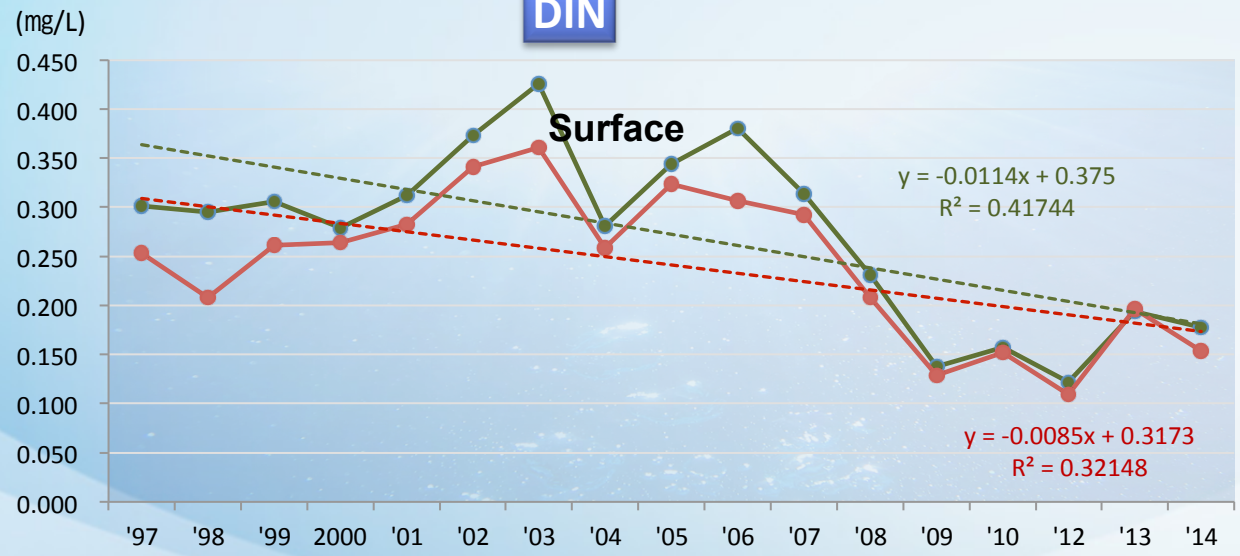
NH₄⁺-N



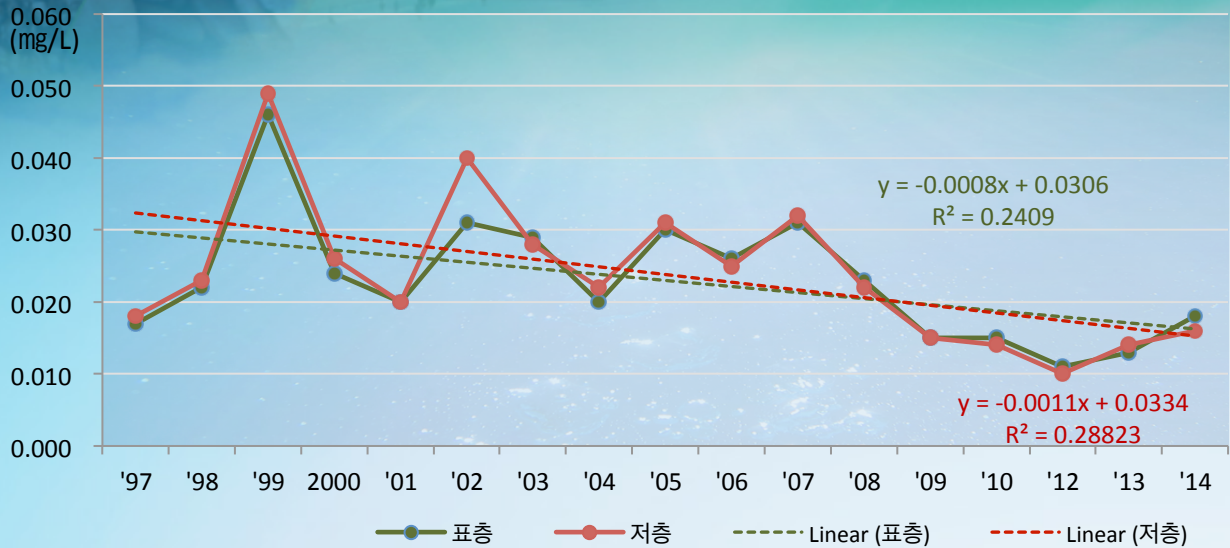
NO₃⁻-N



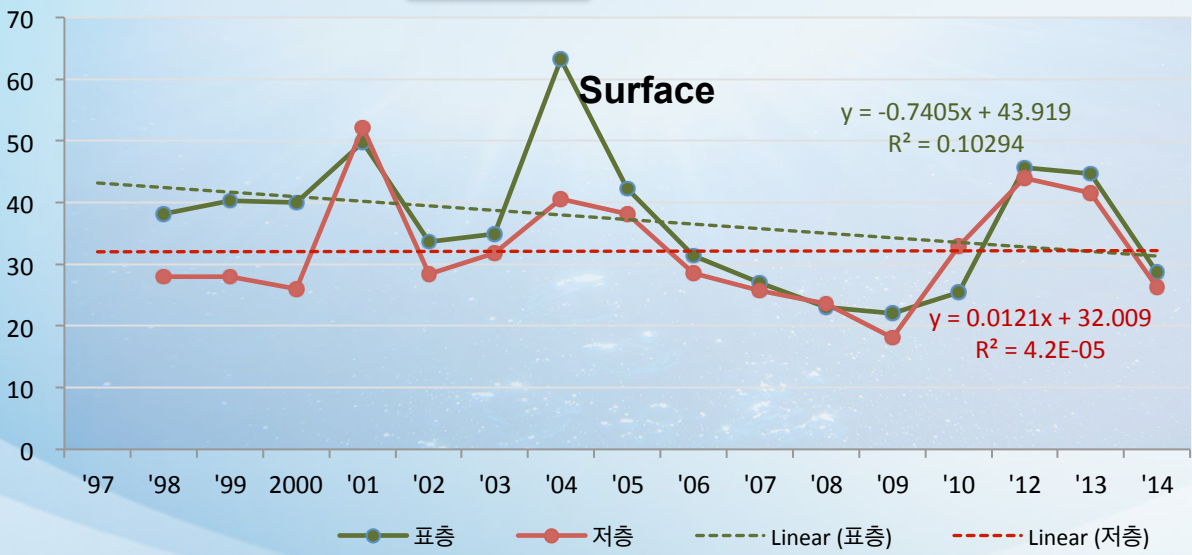
DIN



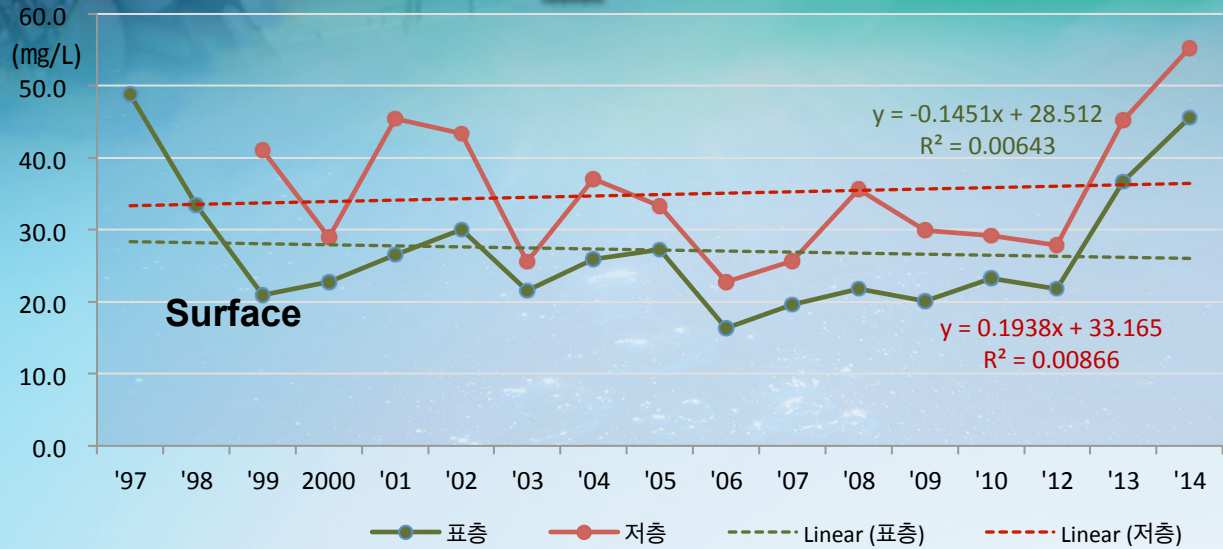
PO₄³⁻-P



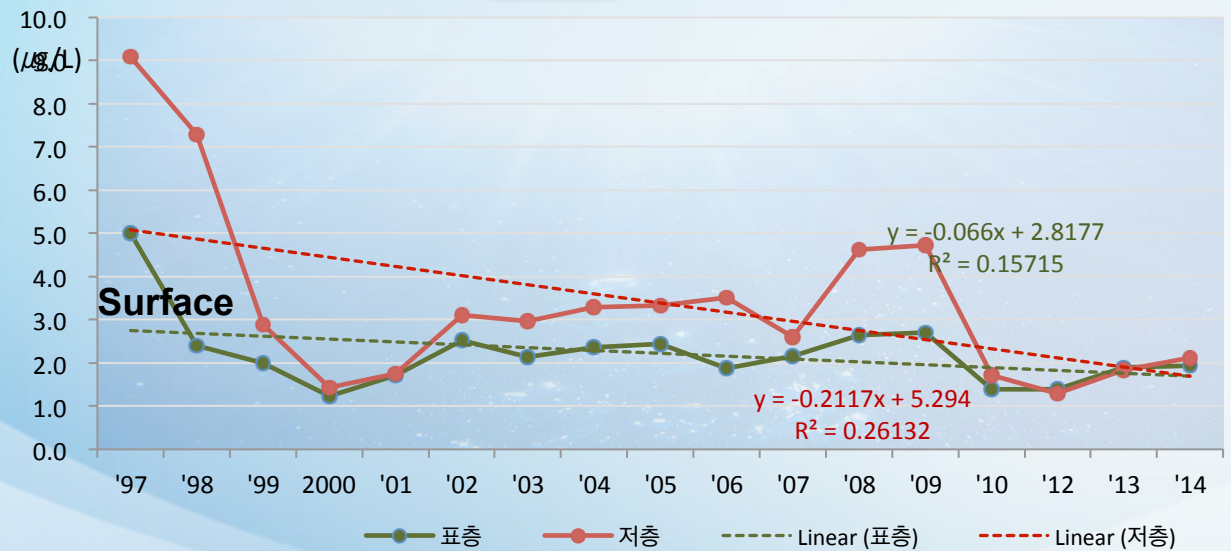
DIN/DIP



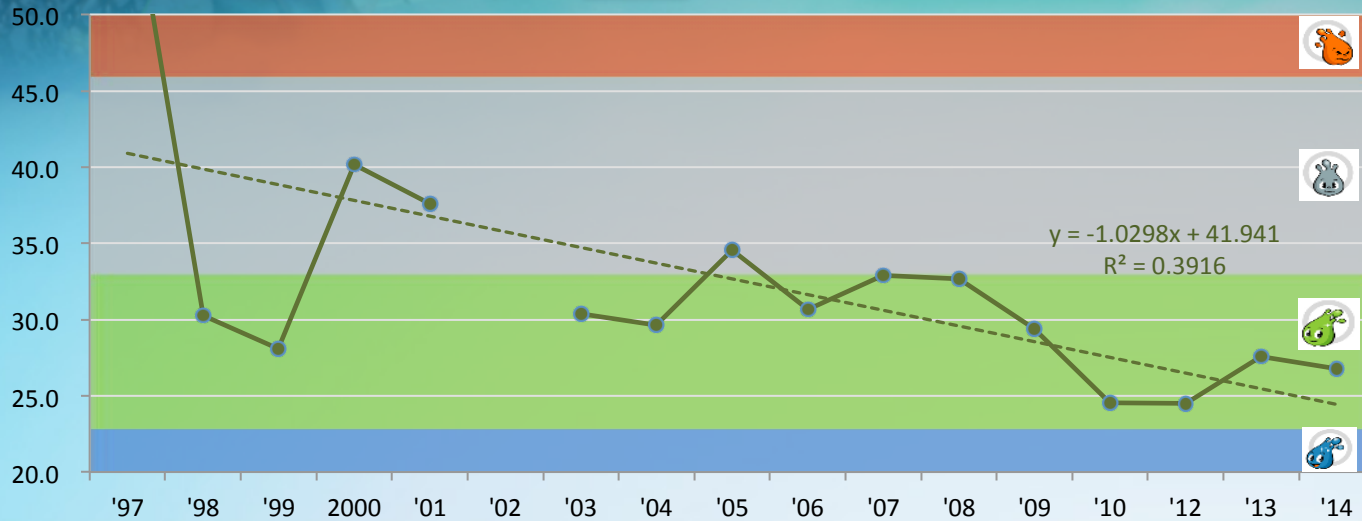
SS



Chl-a



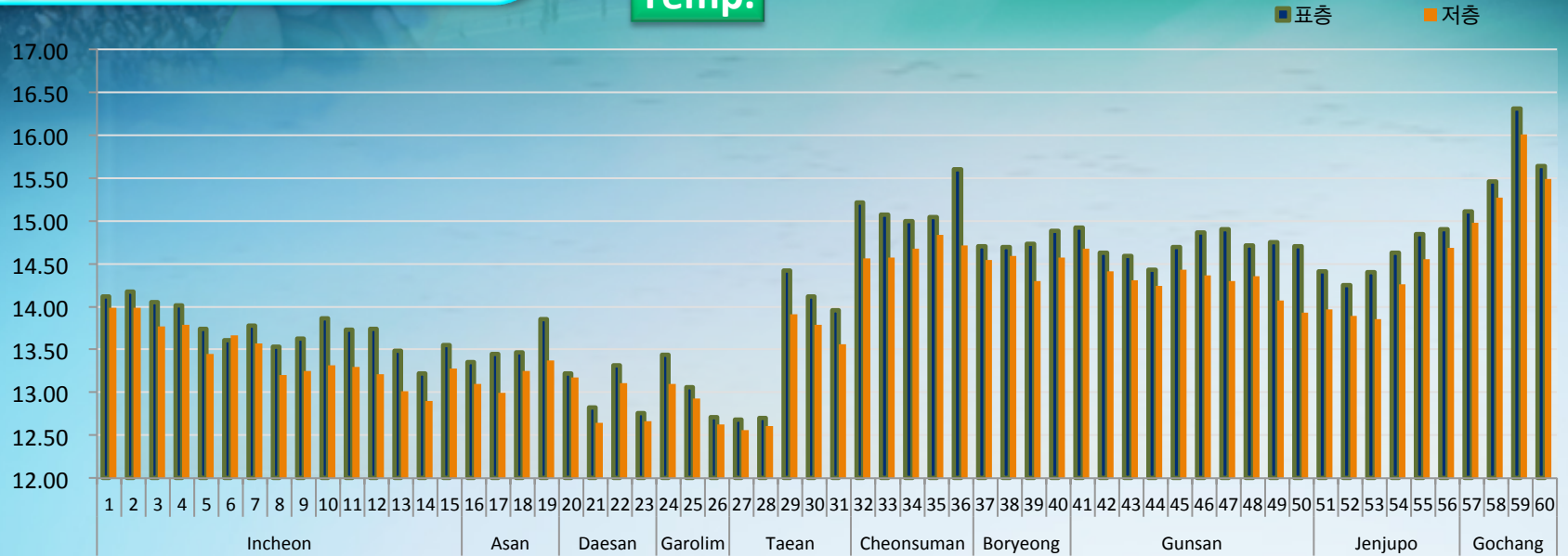
WQI



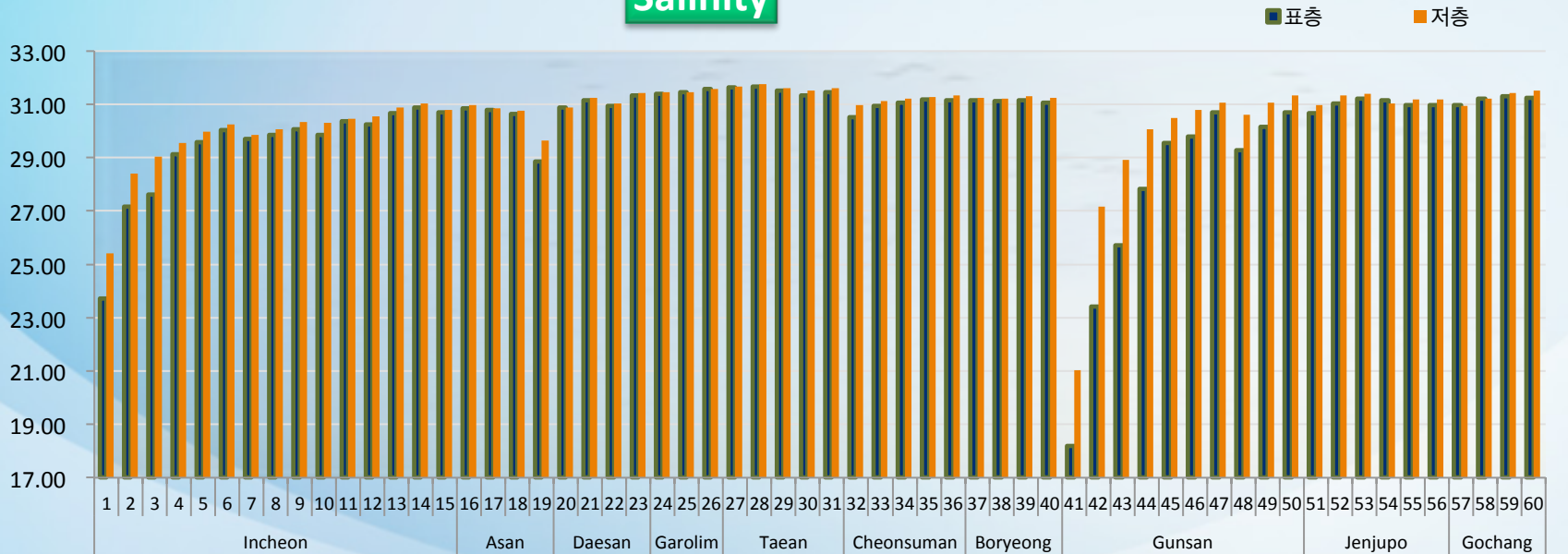
$$(WQI, \text{ Water Quality Index}) = 10 \times [(DO)] + 6 \times [((Chl-a) + \text{Transparency})/2] + 4 \times [((DIN) + (DIP))/2]$$

Spatial Variation

Temp.

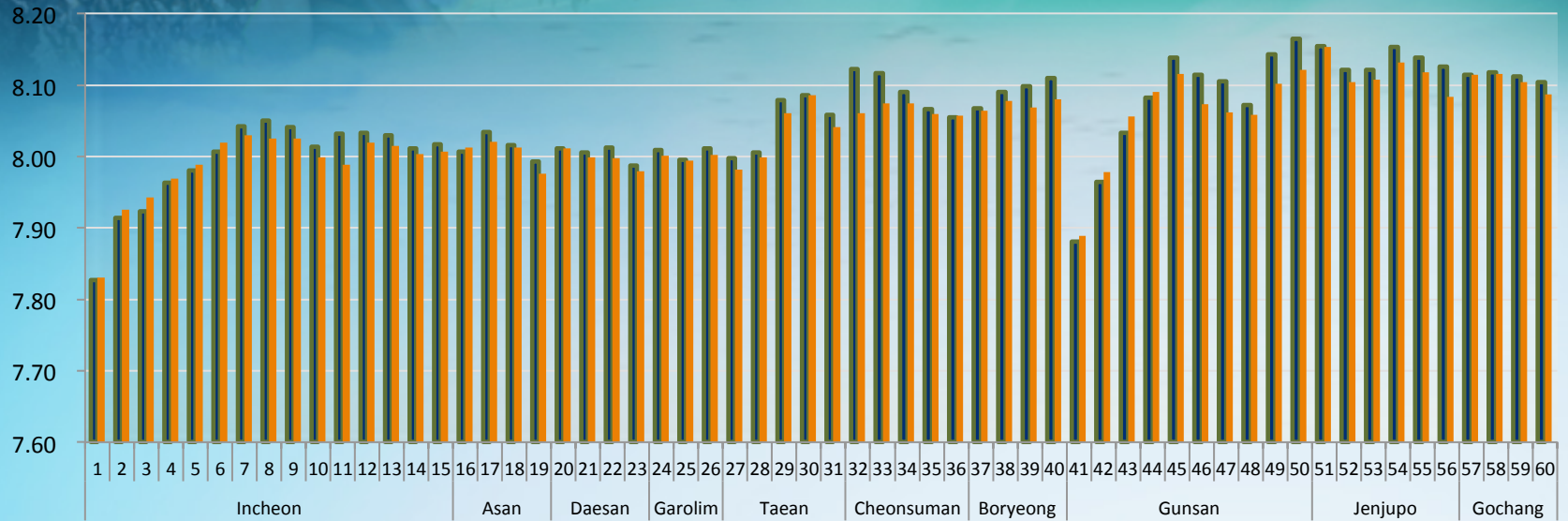


Salinity



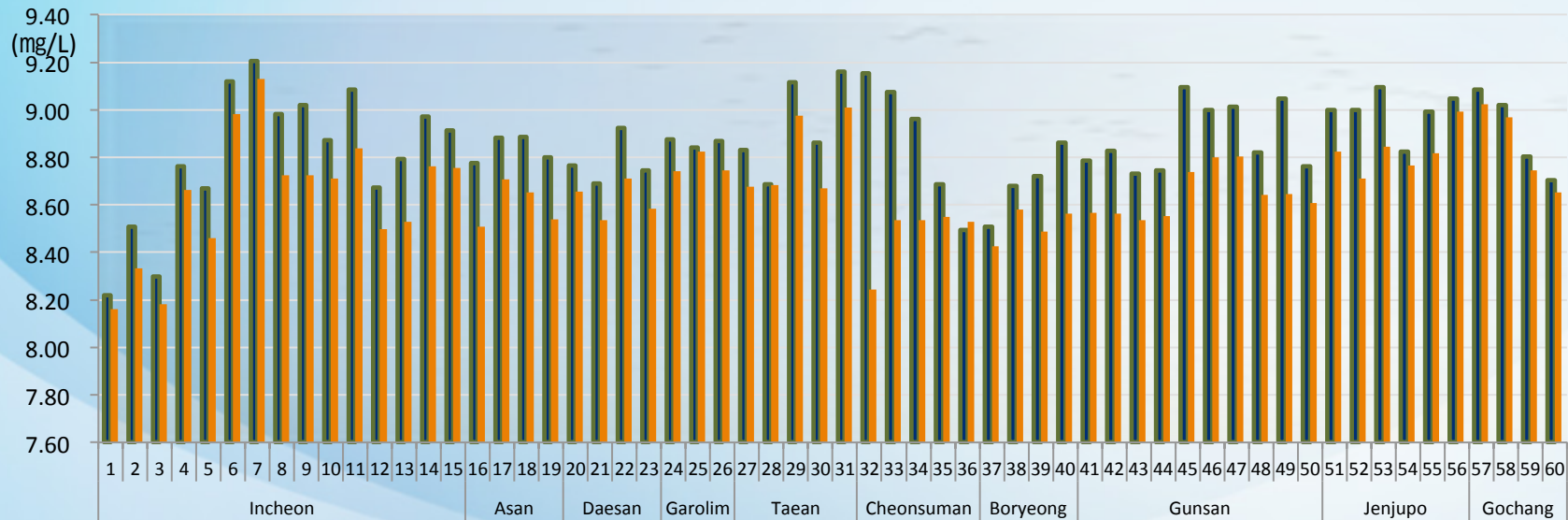
pH

■ 표층 ■ 저층



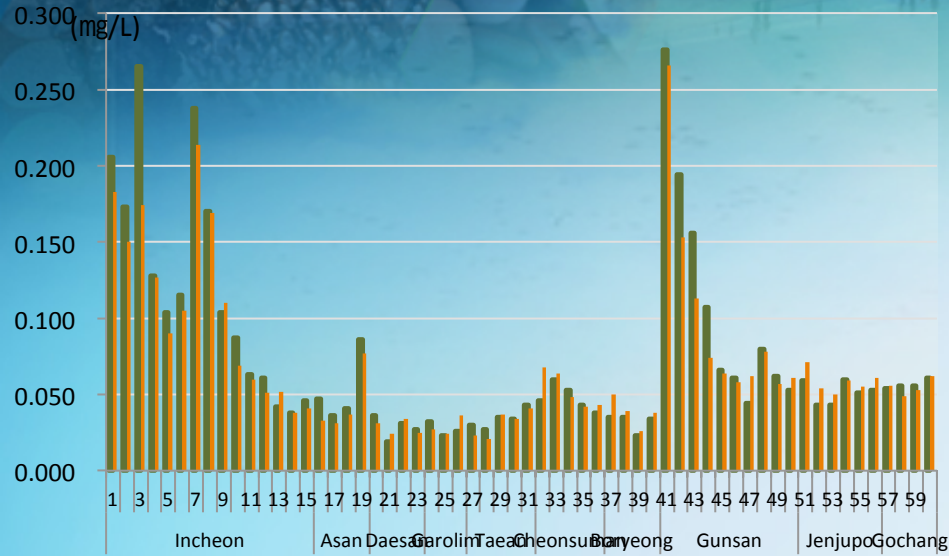
DO

■ 표층 ■ 저층



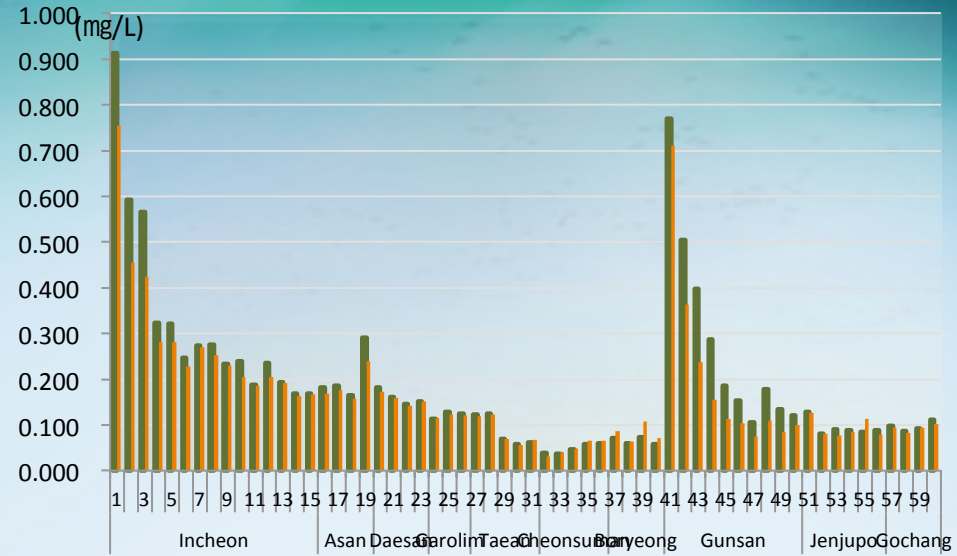
NH₄⁺-N

■ 표층 ■ 저층



NO₃⁻-N

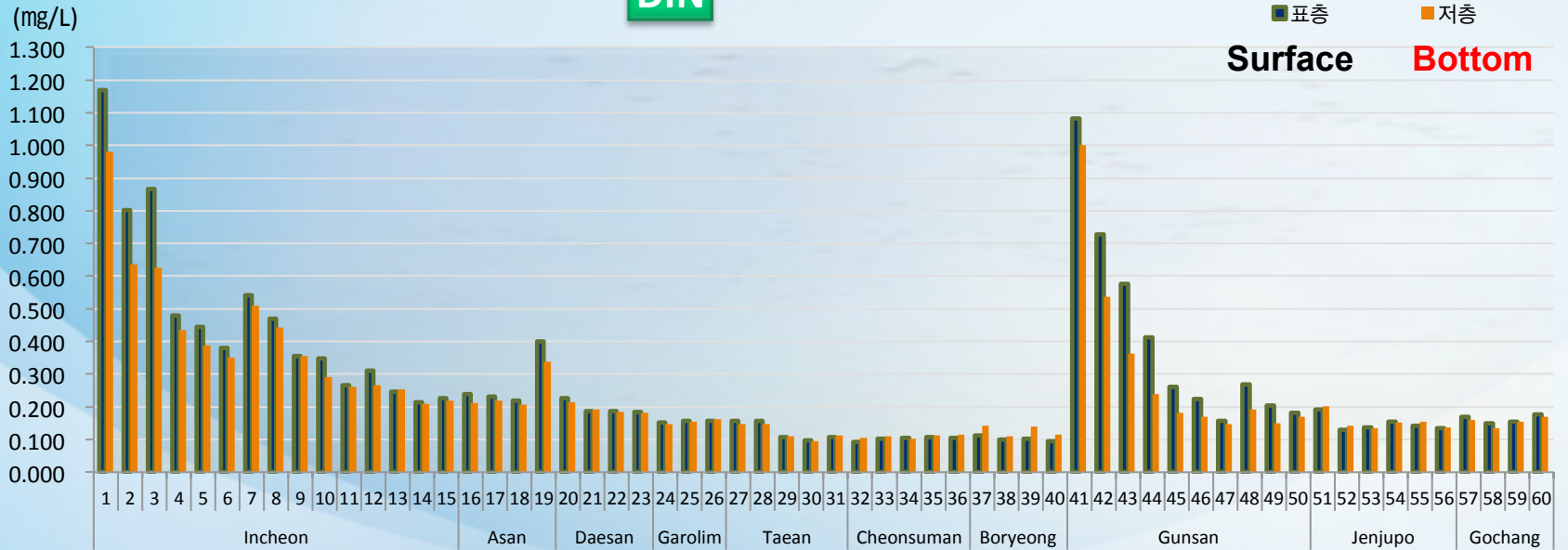
■ 표층 ■ 저층



DIN

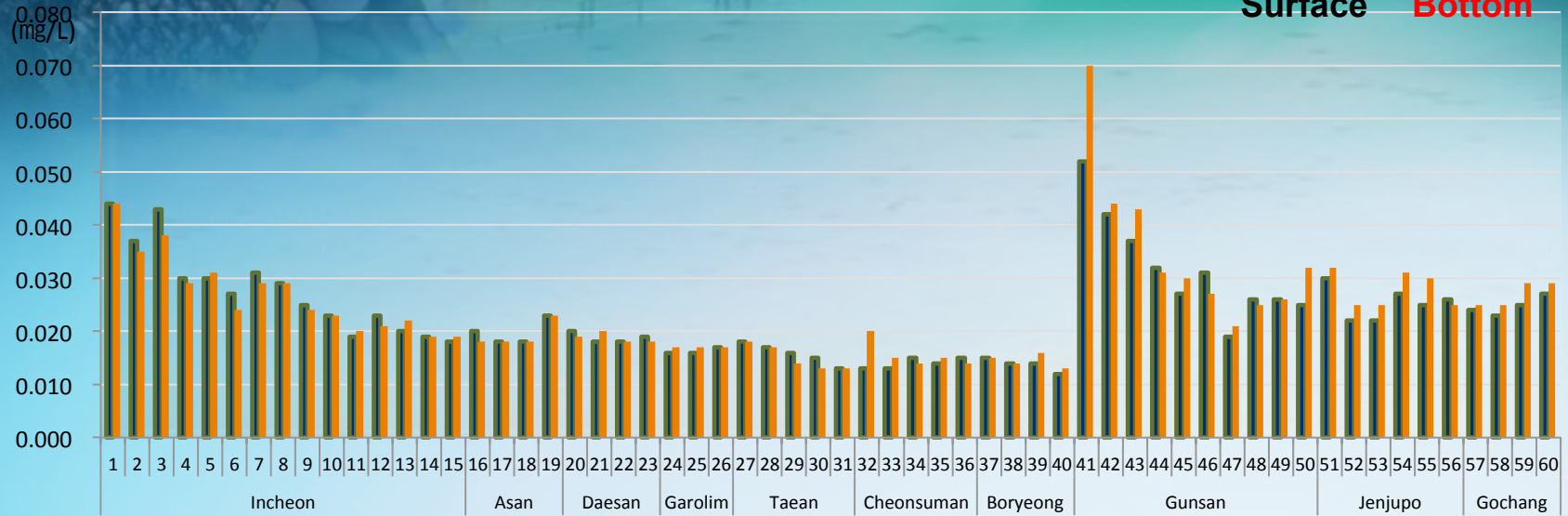
■ 표층 ■ 저층

Surface Bottom



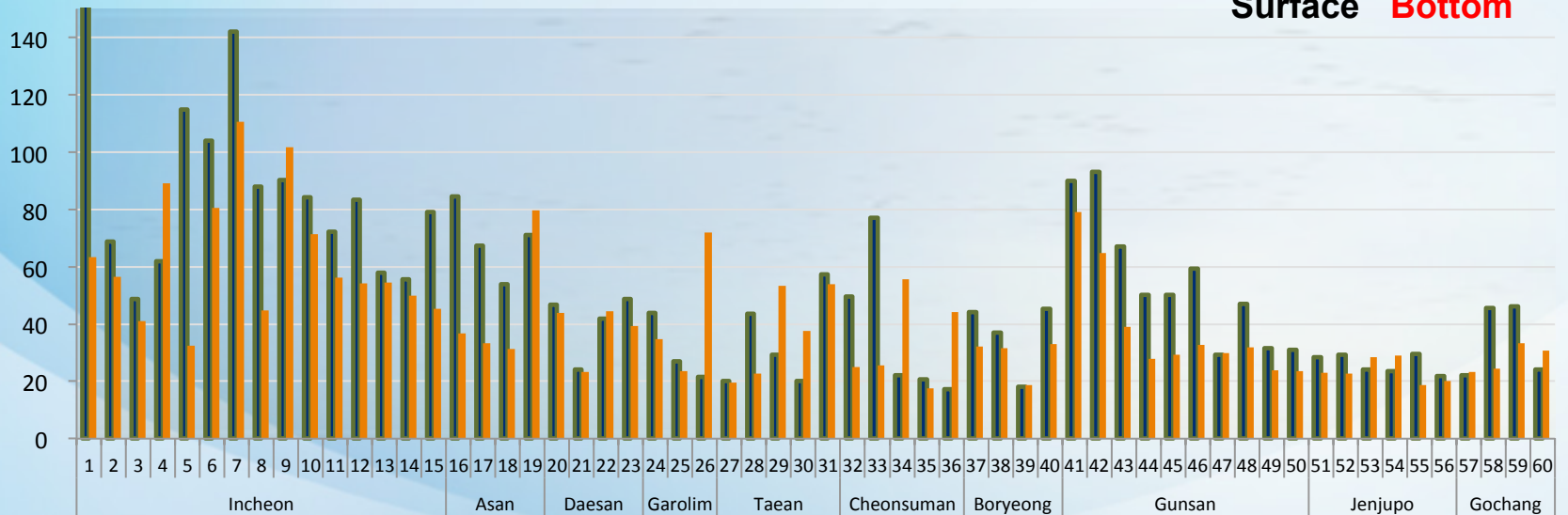
PO₄³⁻-P

■ 표층 Surface ■ 저층 Bottom



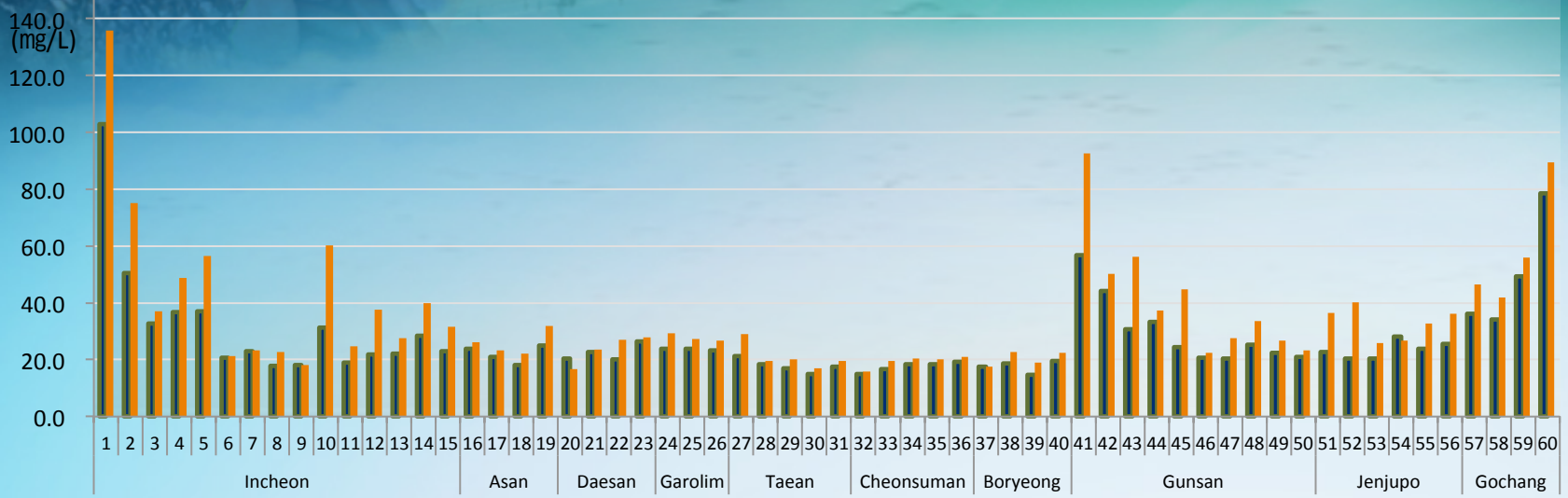
DIN/DIP

■ 표층 Surface ■ 저층 Bottom



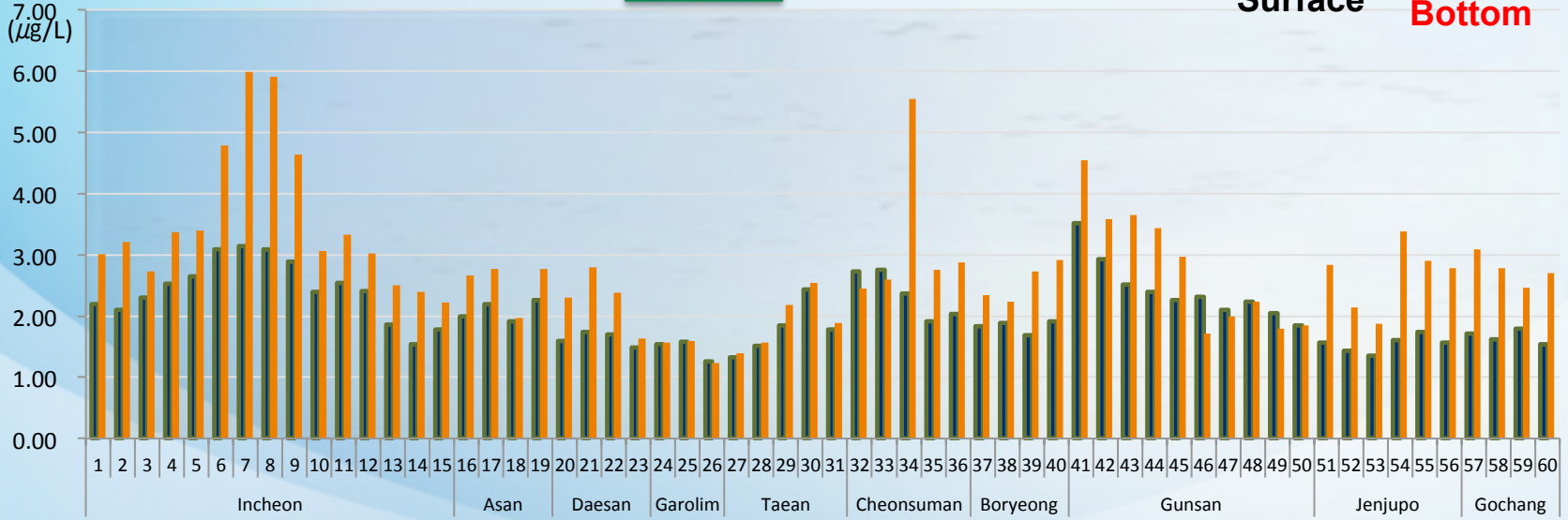
SS

■ 표층 Surface ■ 저층 Bottom



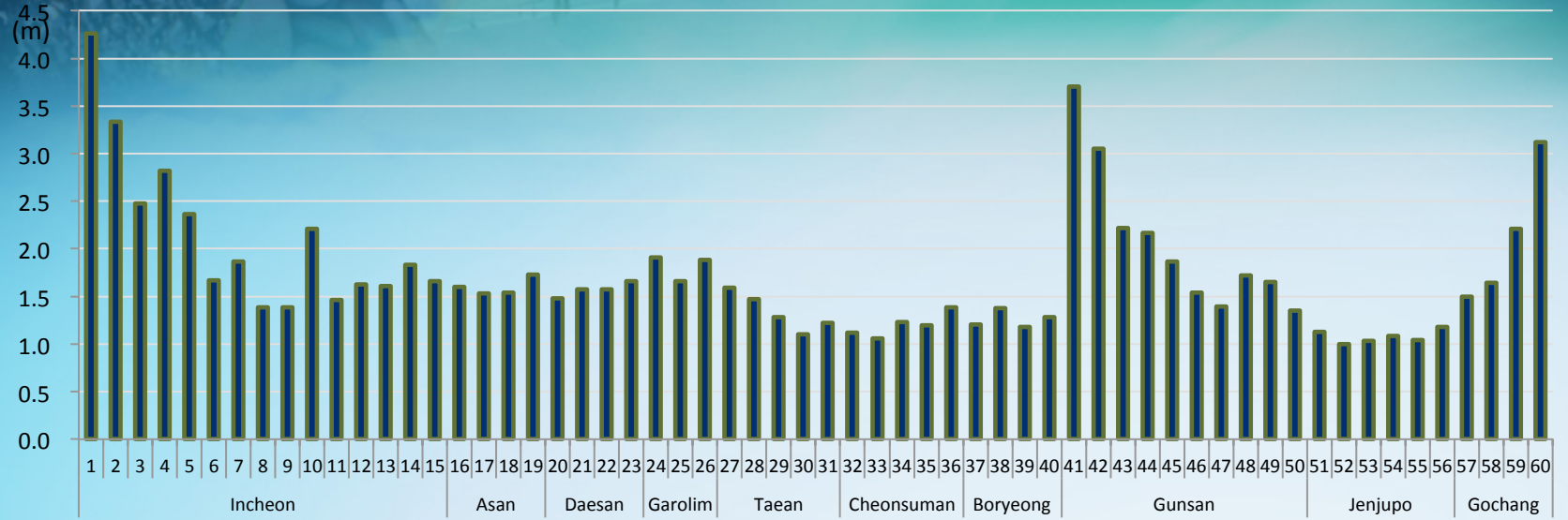
Chl-a

■ 표층 Surface ■ 저층 Bottom



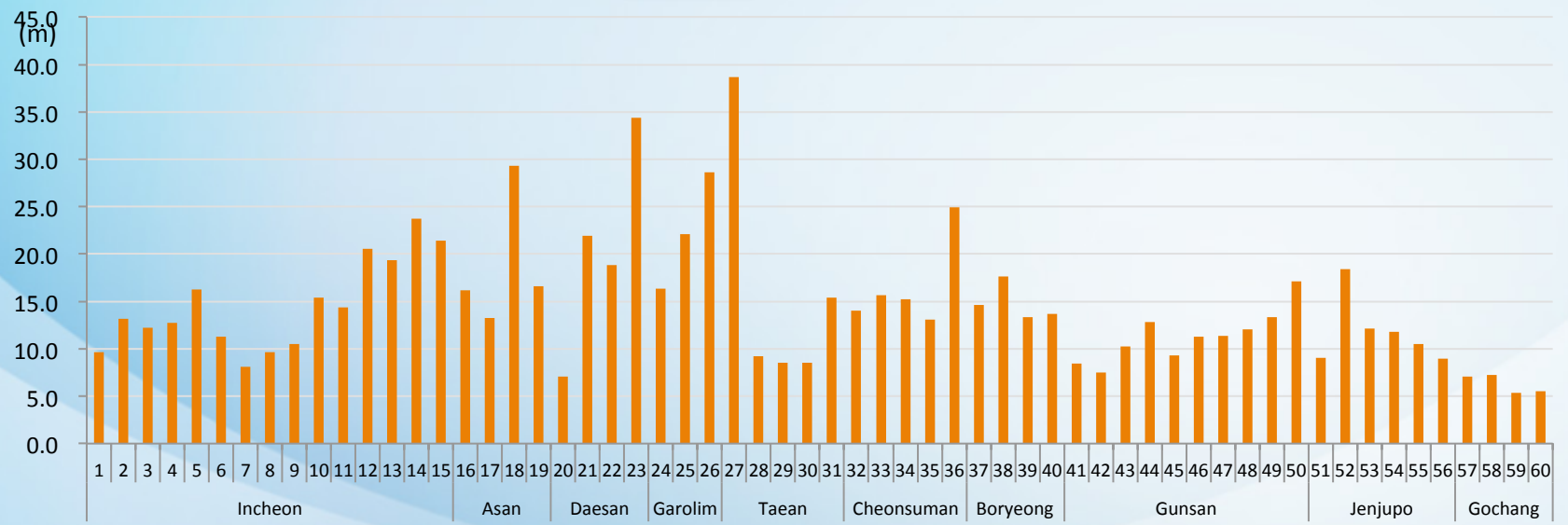
Transparency

투명도

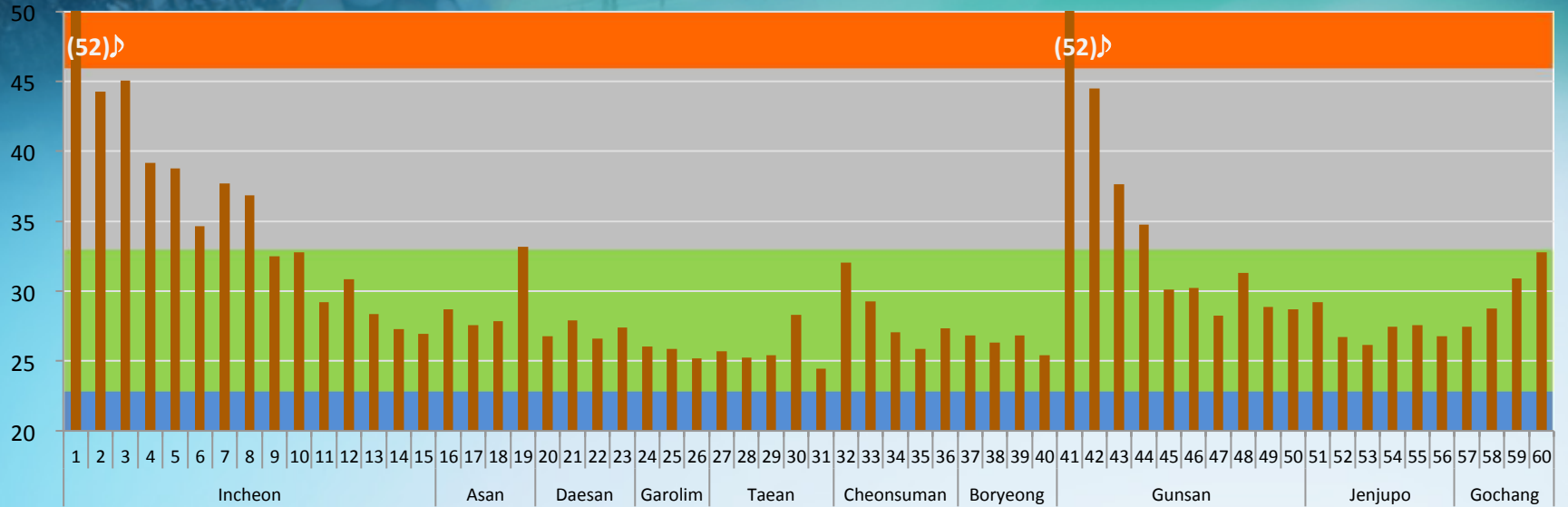


Depth

수심



WQI



Thanks !