



**Water resource management
in developing countries**

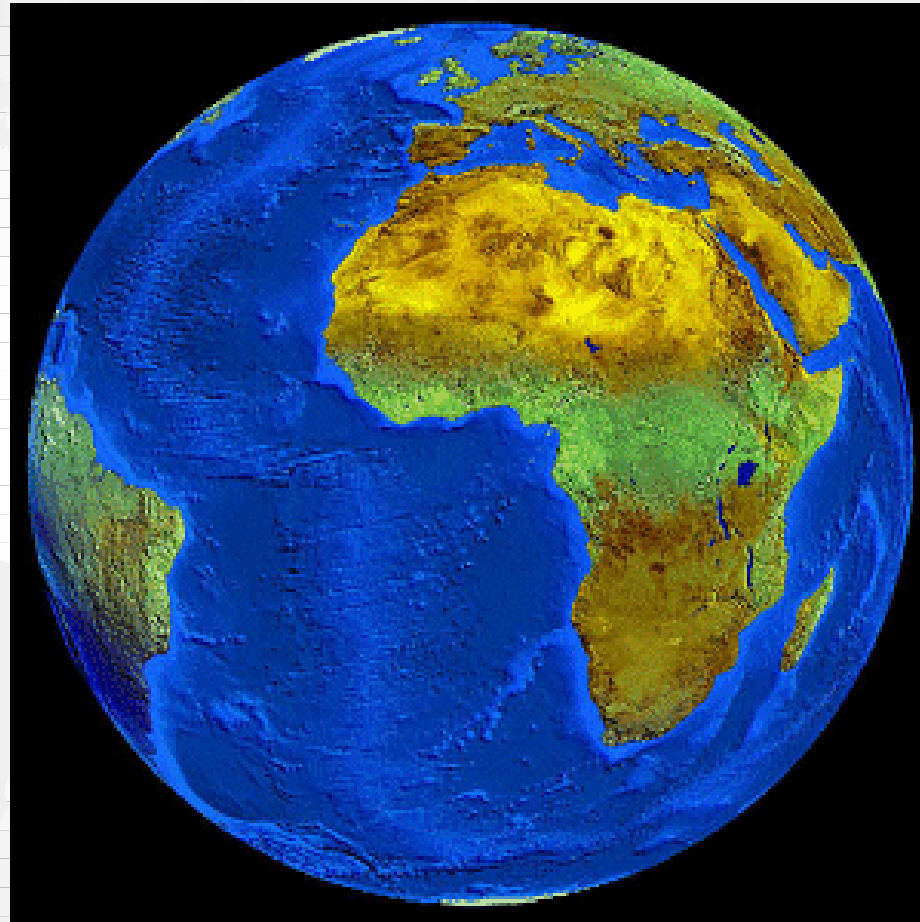
Tropical water resources

Gems / Water UNEP

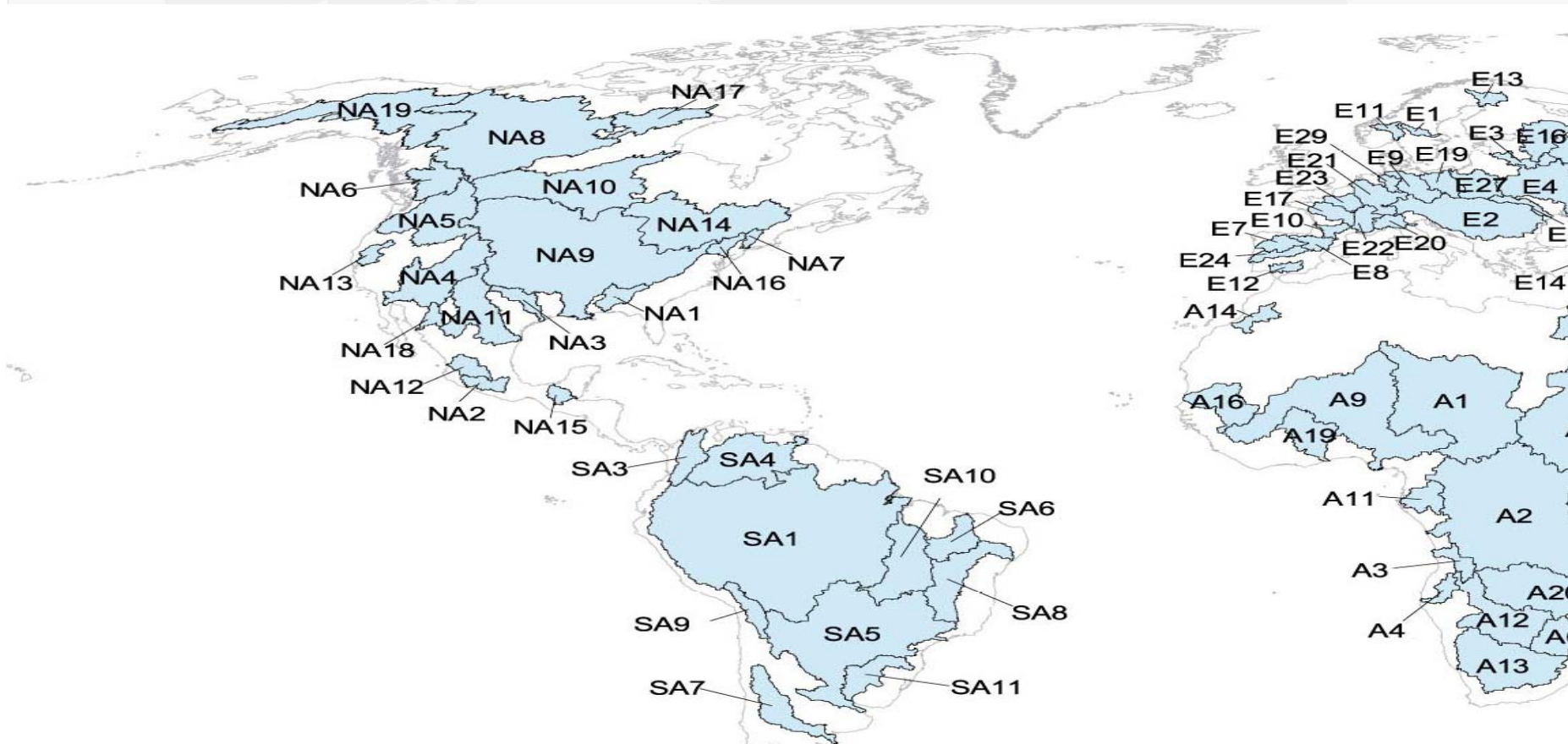
Global Environmental Monitoring System

Helmut Jung, 2005

Tropical water resource



Primary water sheds



- 
- **Africa**
 - A01 Lake Chad
 - A02 Congo
 - A03 Cuanza
 - A04 Cunene
 - A05 Jubba
 - A06 Limpopo
 - A07 Mangoky
 - A08 Mania
 - A09 Niger
 - A10 Nile
 - A11 Ogooue
 - A12 Okavango
 - A13 Orange
 - A14 Oued Draa
 - A15 Rufiji
 - A16 Senegal
 - A17 Shabelle
 - A18 Turkana
 - A19 Volta
 - A20 Zambezi

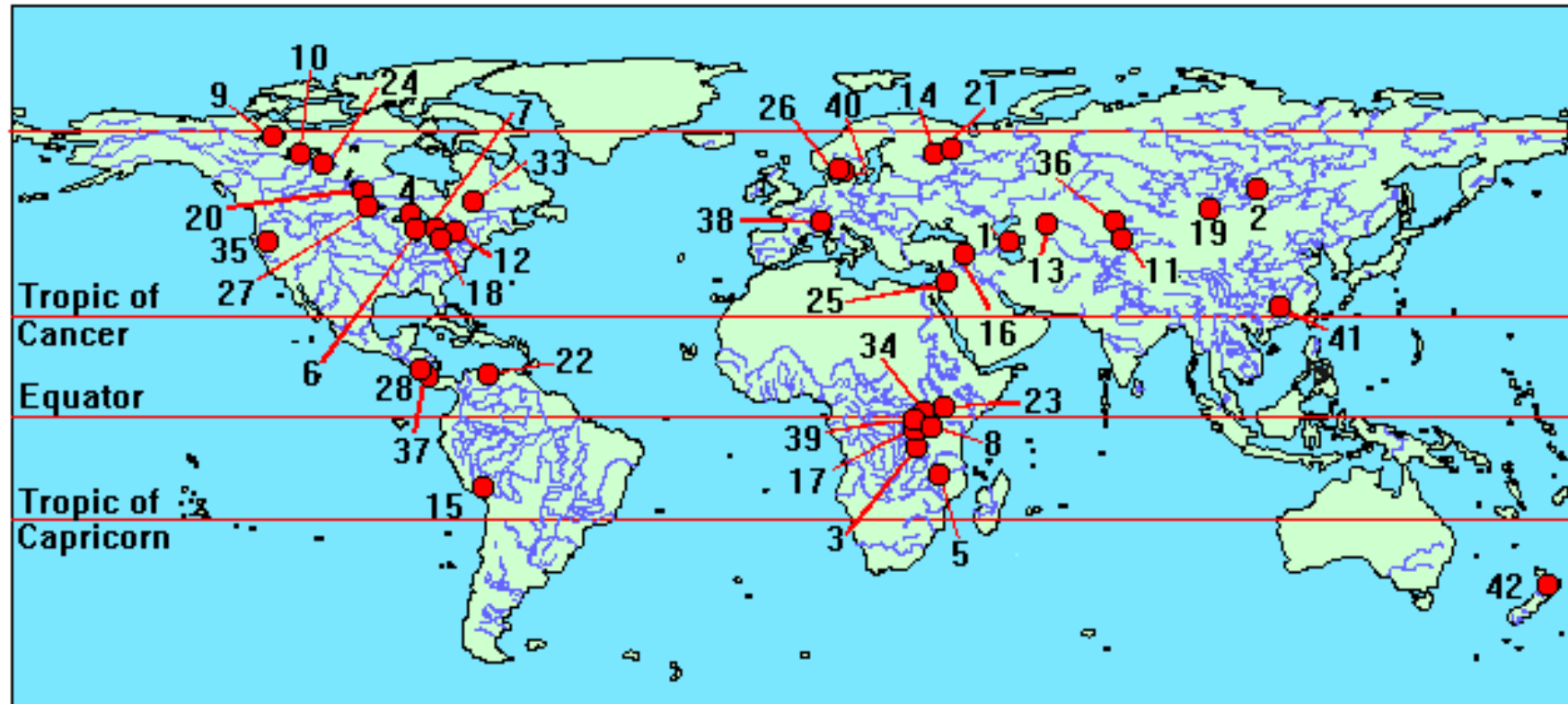


Figure 41 Locations of selected lakes of the world (numbers refer to Table 7)

GEMS/Water

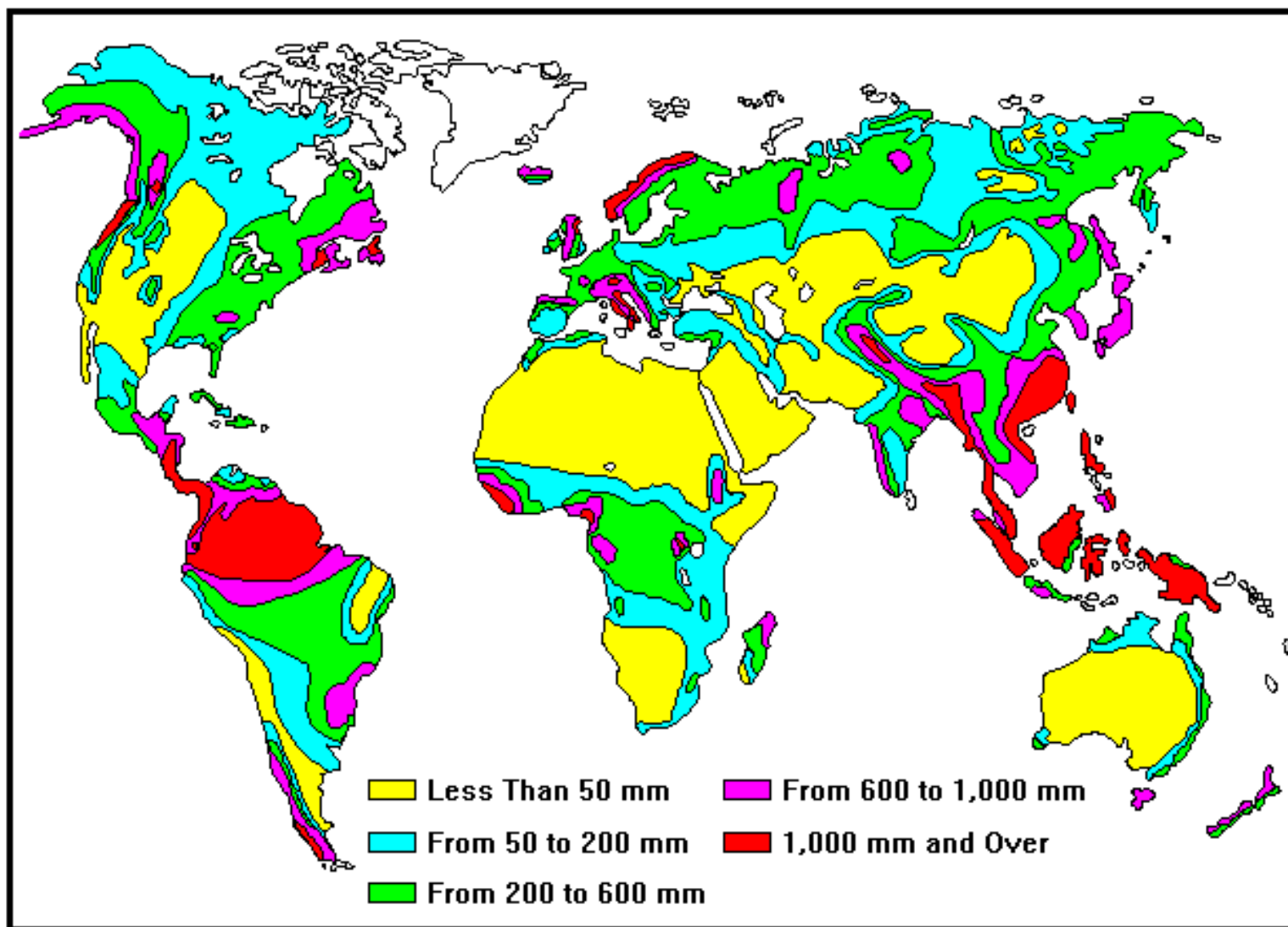
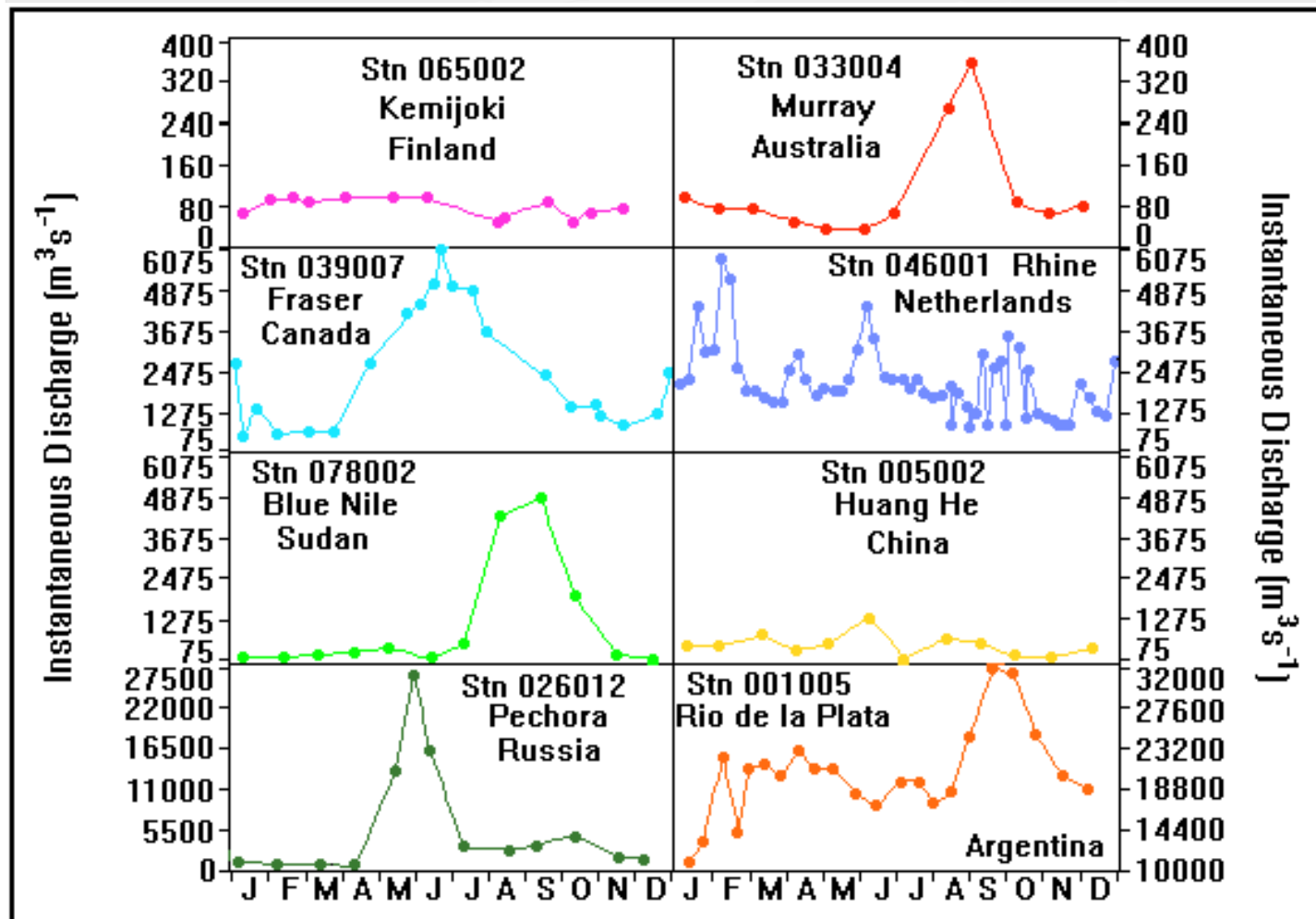


Figure 2 Global distribution of annual surface runoff (Ref. 1). [Reproduced by permission]

GEMS/Water



Selected hydrographs of GEMS/WATER stations.

GEMS/Water



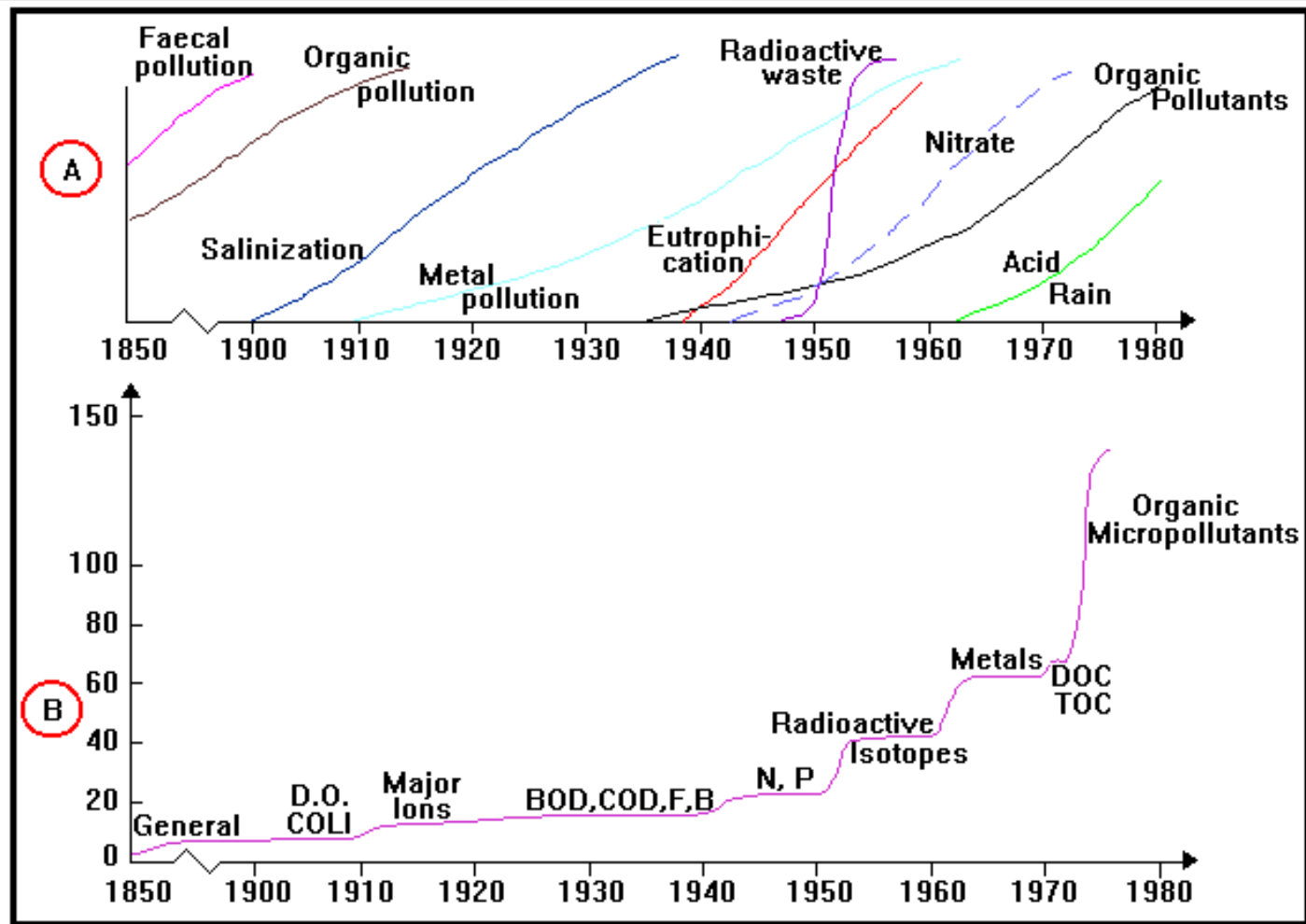


Figure 1 (A) Conceptual evolution of major water quality issues. (B) Water quality variables considered in surveys (Ref. 4). (Reproduced by permission)

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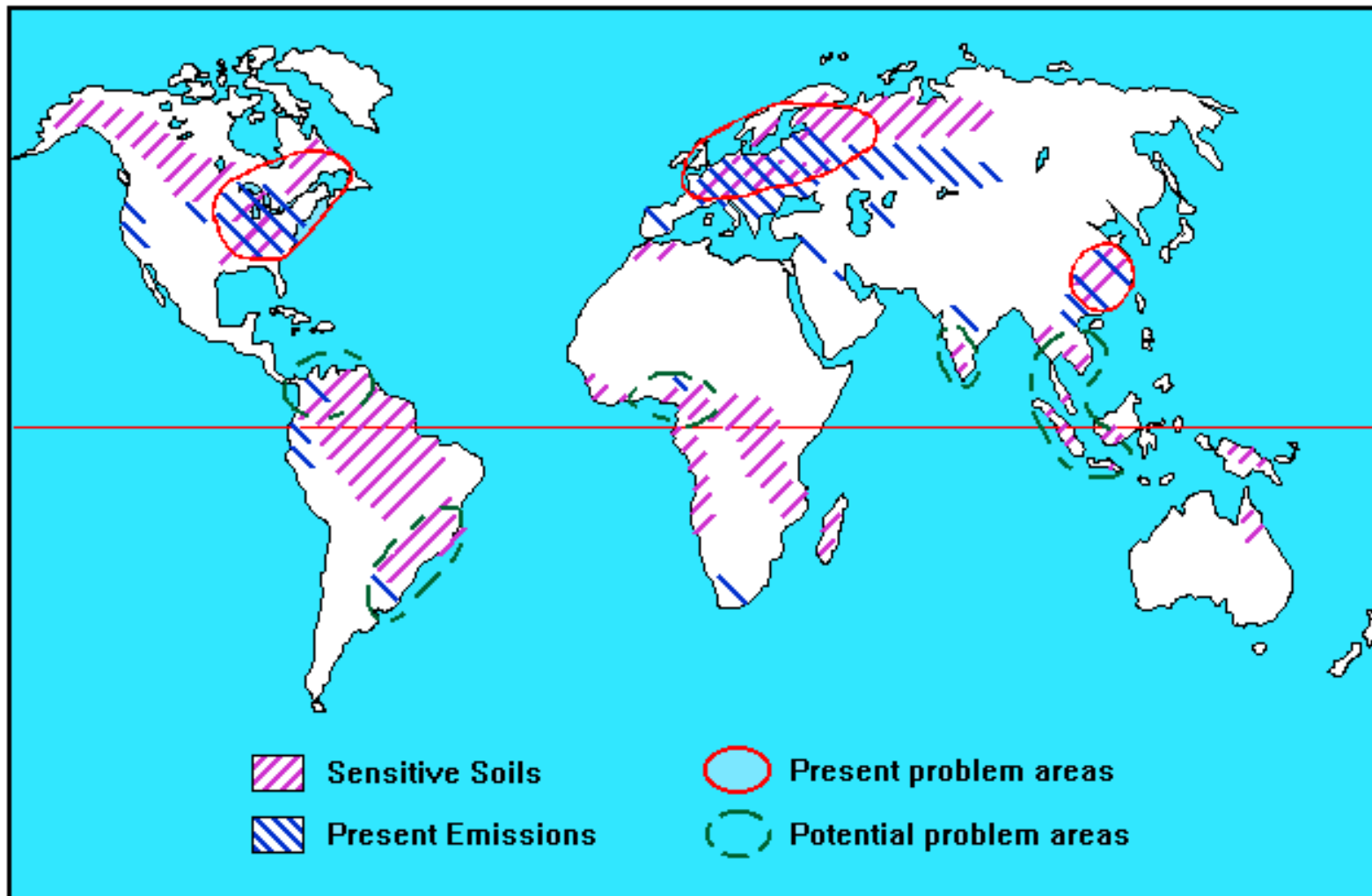


Figure 40 Global risk of surface water acidification (Ref. 20).
 (Reproduced by permission)

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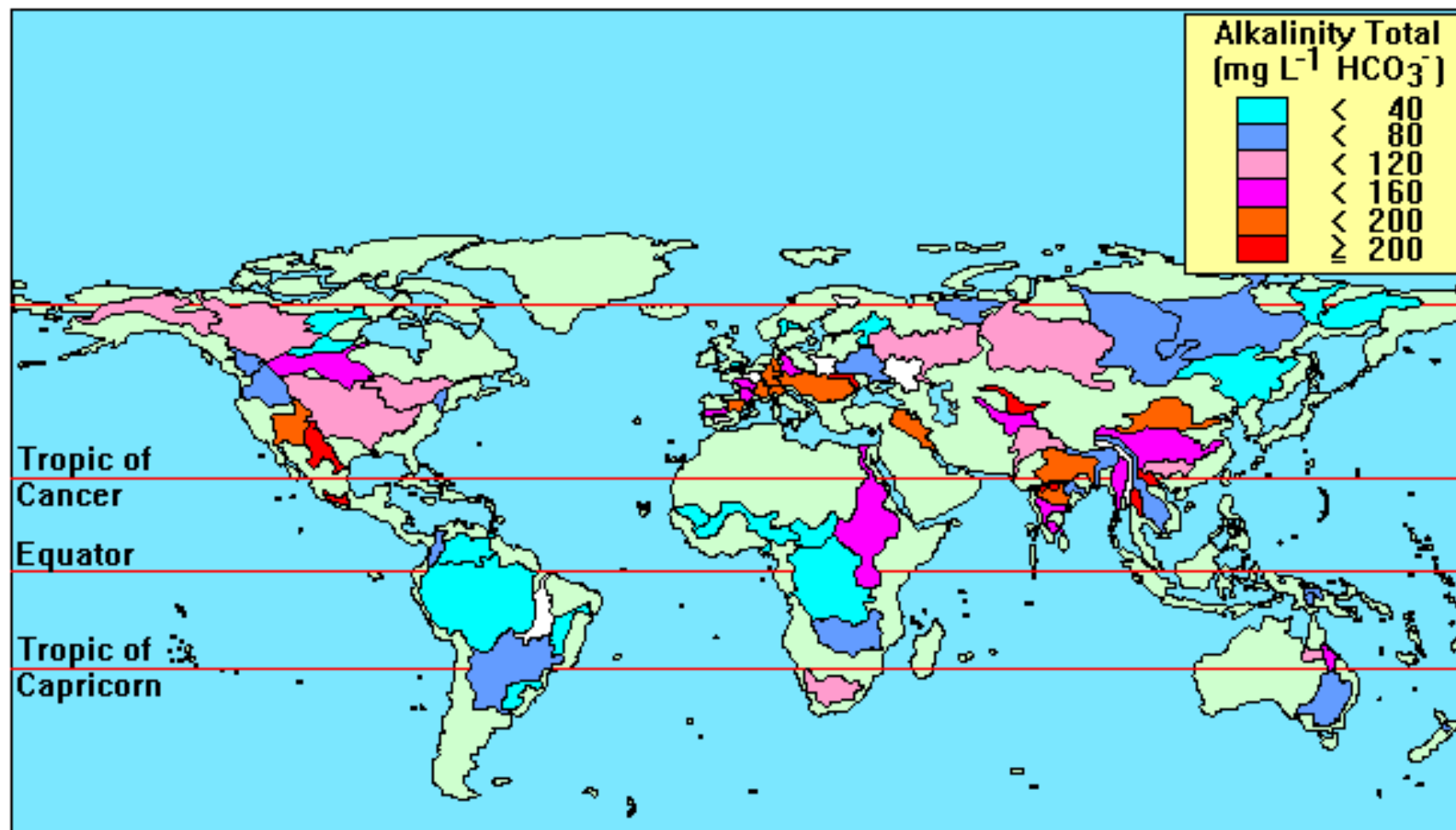


Figure 38 Global variation of average bicarbonate concentration at major river mouths.

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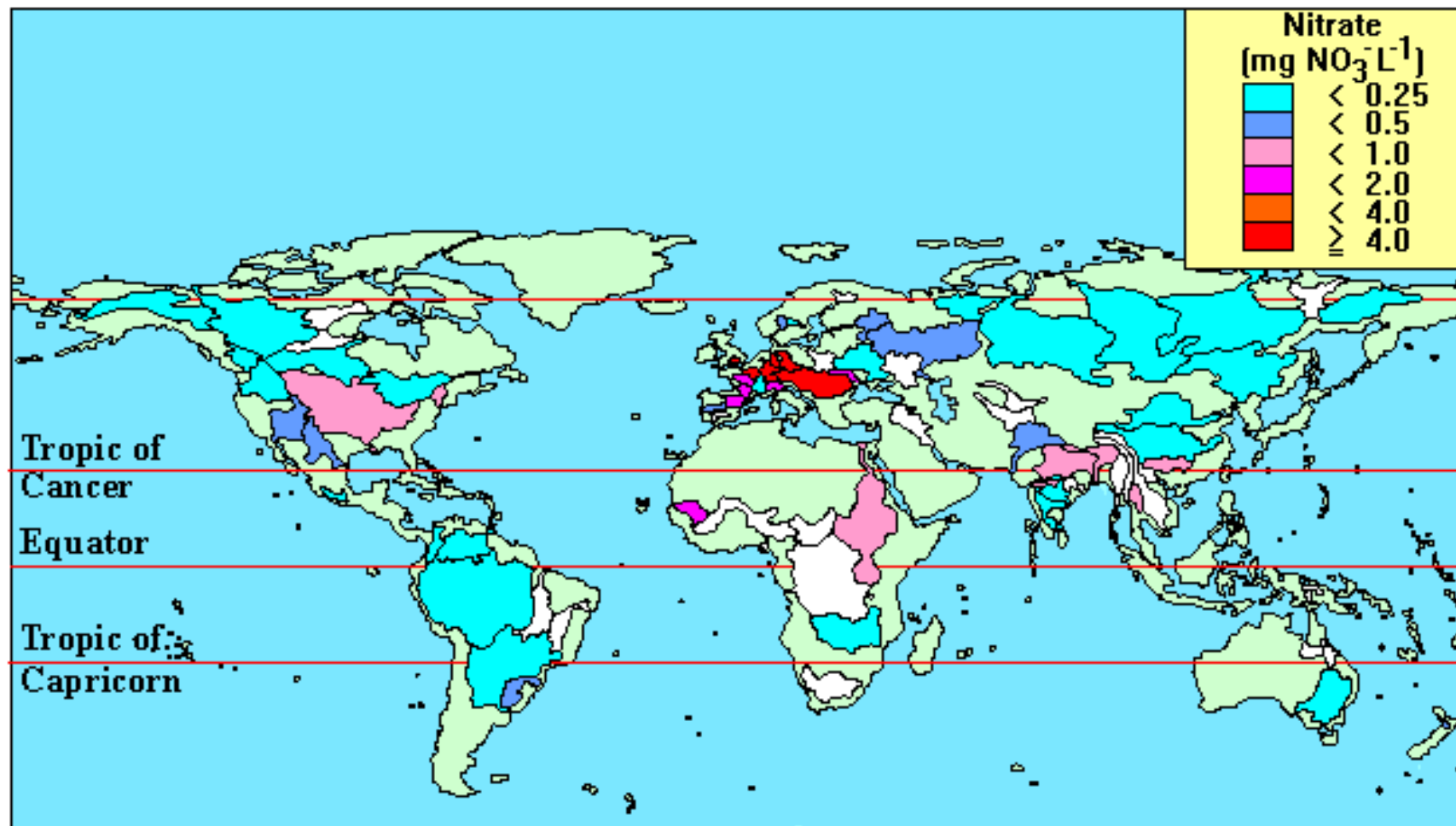


Figure 30 Nitrate concentration for major global watersheds.

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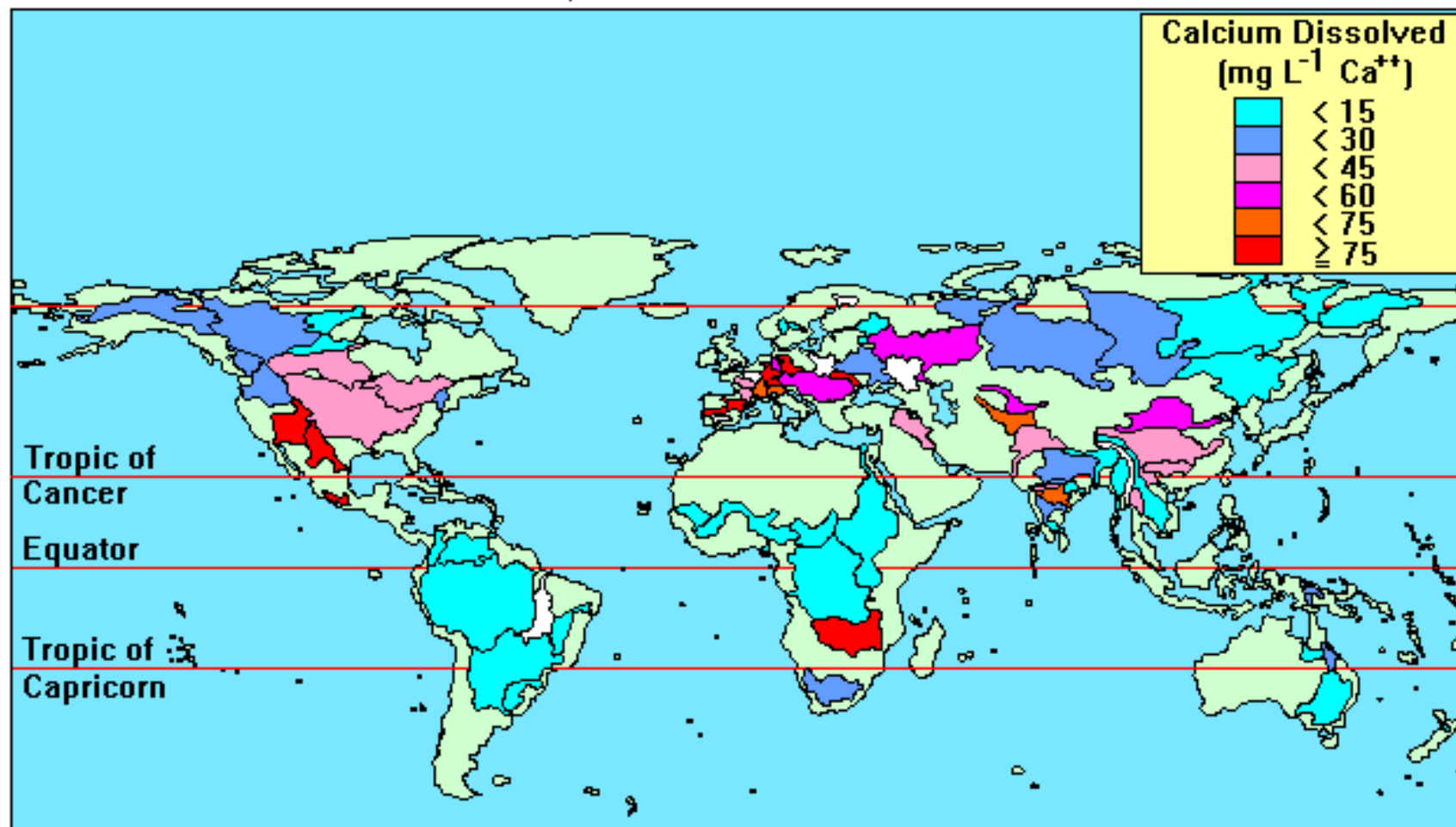
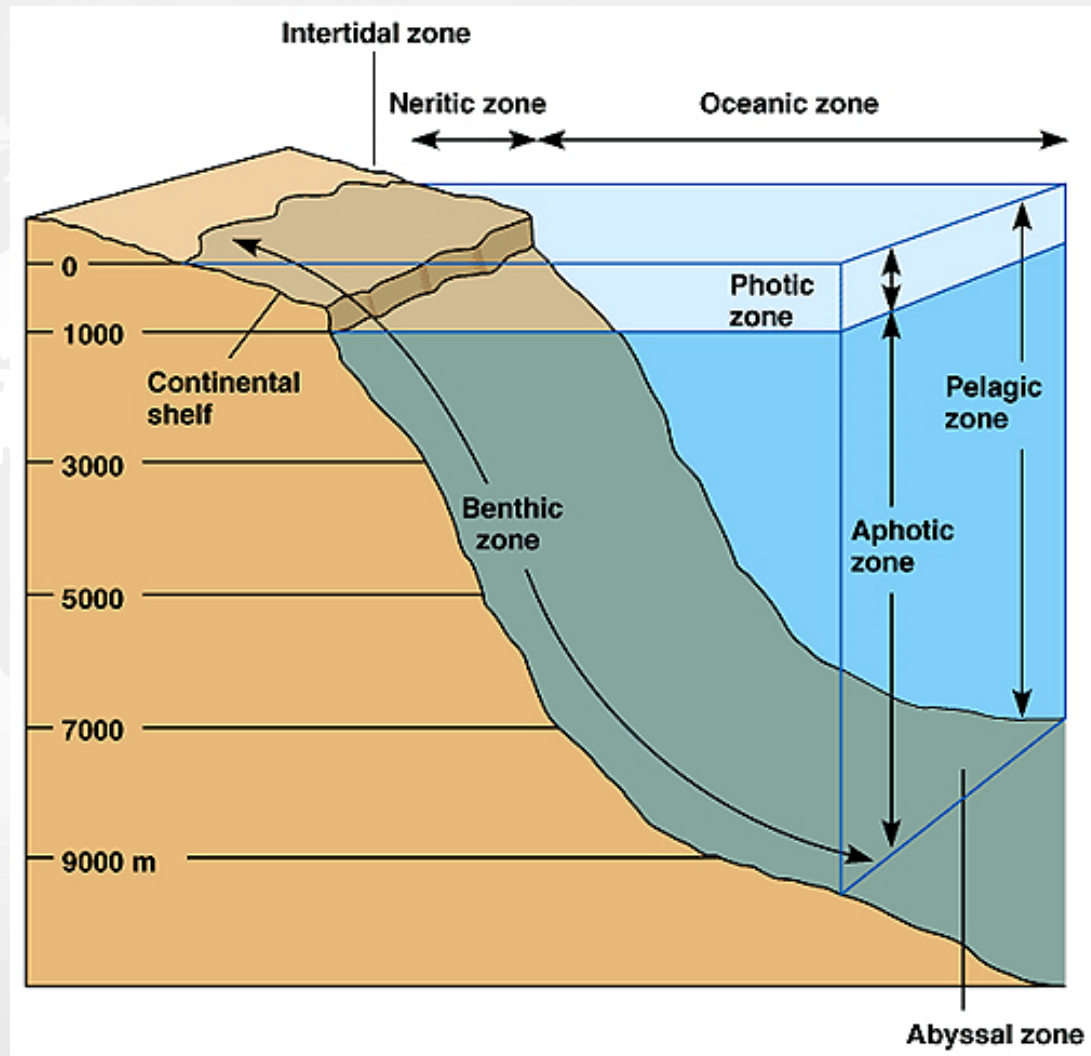


Figure 17 Global variation of average calcium concentration at major river mouths.

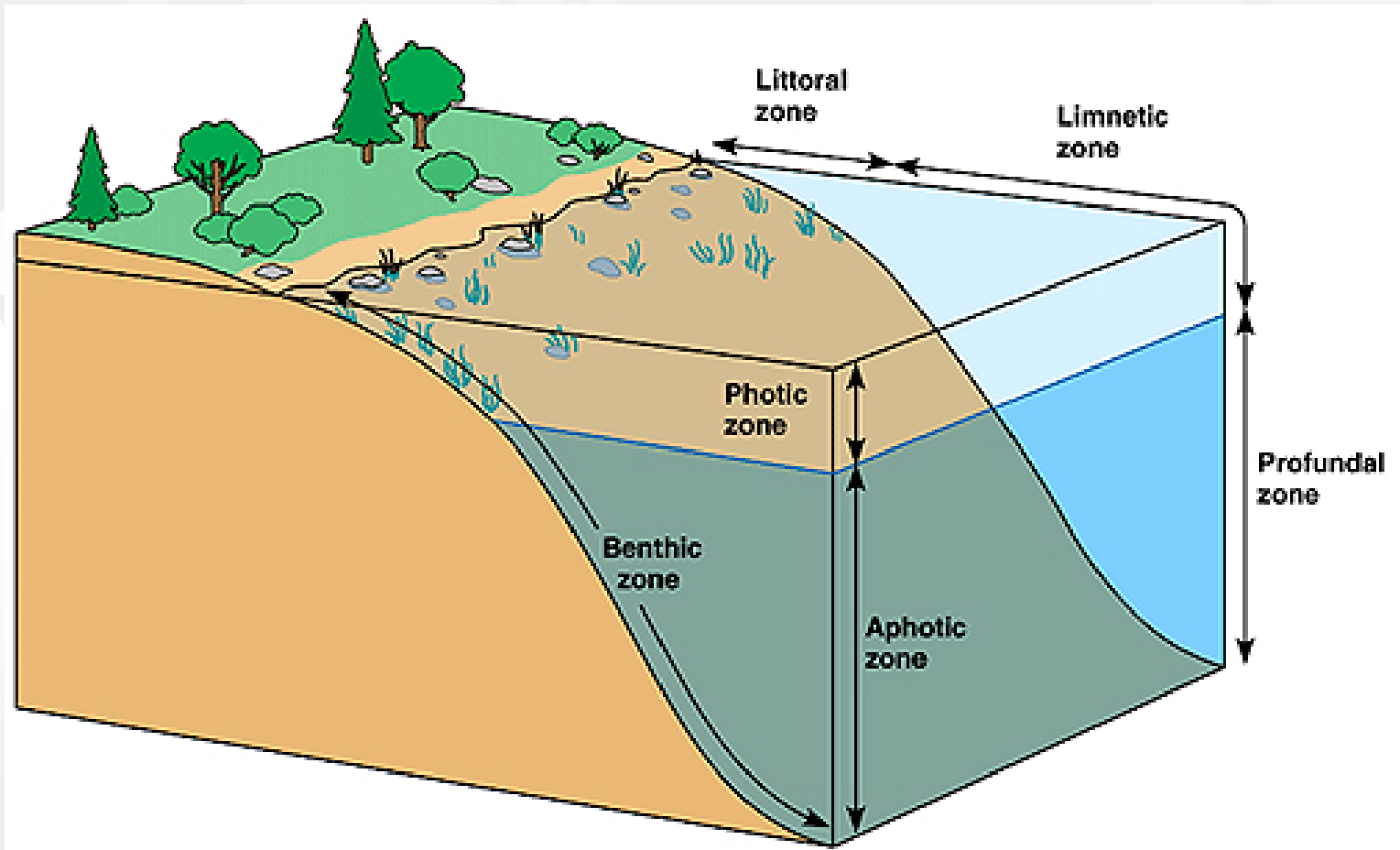
GEMS/Water



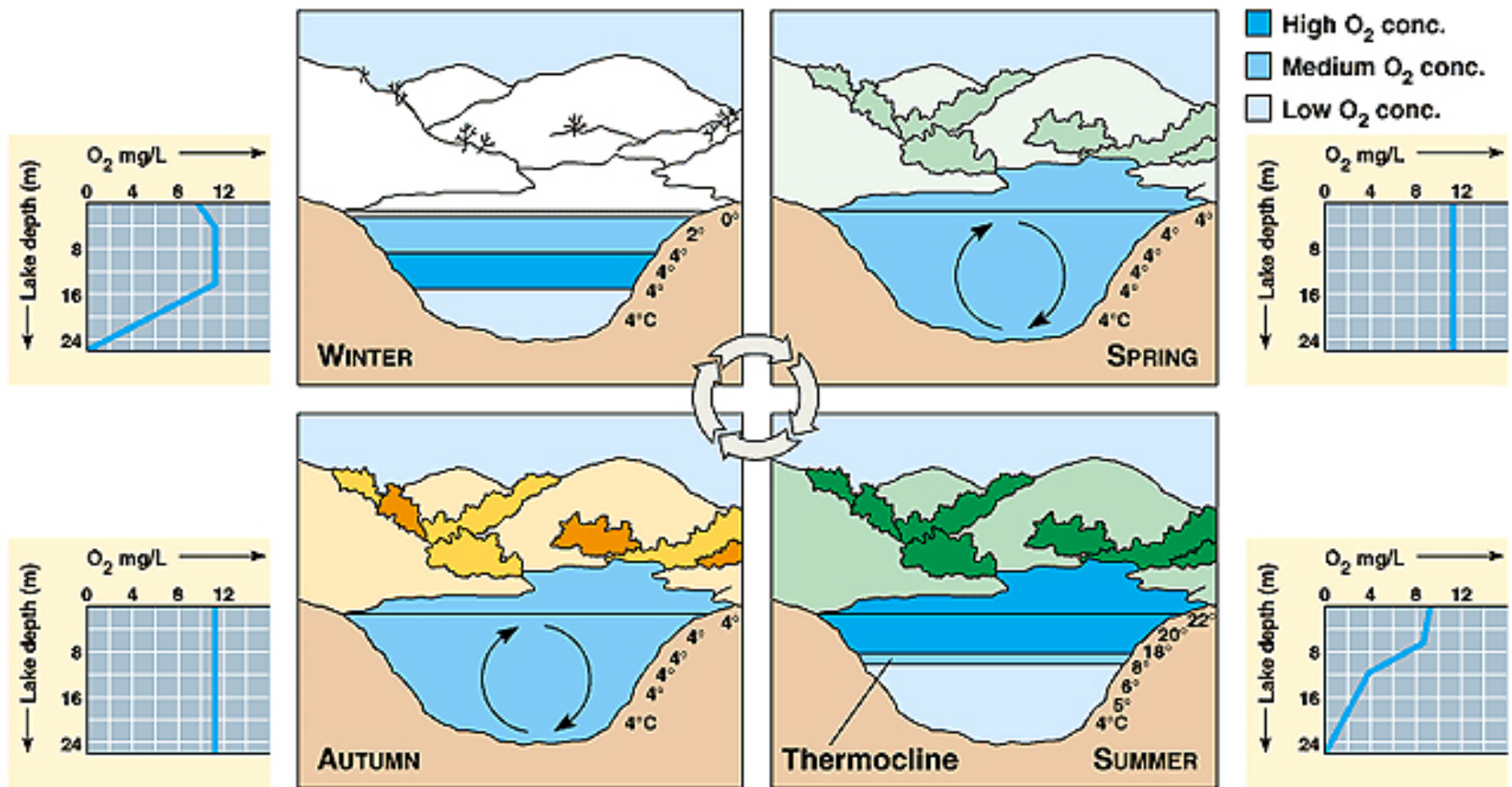




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A faint, light-colored world map is visible in the background of the slide, showing the continents and oceans.

Map – mangrove – corall reef

- http://www.unep-wcmc.org/marine/data/coral_mangrove/marine_maps_main.html

A faint, light gray world map is visible in the background of the slide, centered behind the text.

<http://lnweb18.worldbank.org/ESSD/ardext.nsf/18ByDocName/SectorsandThemesGroundwaterBriefingNotes>

- Groundwater management **Series**

Water resource management



- http://europa.eu.int/comm/development/body/publications/water/en/part1index_en.htm