



Aquatics Concept List

Water

Chemistry

Acid
Base
Cohesion
Osmosis
pH
Water hardness

Cycle

Condensation
Evaporation
Evapotranspiration
Sublimation
Transpiration
Precipitation

Surface water, Groundwater and Watersheds

Aquifer
- Bedrock aquifer
- Confined aquifer
- Sand and gravel aquifer
Artesian well
Cone of depression
Discharge zone
Drainage basin
Drainage divide
Drawdown
Drilled well
Dug well
Freshwater
Gaining streams
Impervious surfaces
Induced recharge
Infiltration
Losing Streams
Percolation
Pervious surface
Porosity
Recharge zone
Saltwater
Saturation zone

Snow melt
Stormwater runoff
Subwatersheds
Surface runoff
Unconfined aquifer
Unsaturated zone
Water table

Pollution and Water Quality

Coliform bacteria
Effluent
MBTE
Non-point source pollution
Pathogen
PCB's
Point source pollution
Secchi depth
Sedimentation
Septic system
Silt fence
Water clarity

Maps

Mapping Program

GIS – Geographic Information Systems

Topographic

Contour elevation lines
Contour interval
Watershed delineation

Wetlands

National Wetlands Inventory Maps

Fisheries and Aquaculture

Fisheries

Anadromous fish
Catadromous fish
Culvert
Dam
Fish ladder

Aquaculture

Aquatic Ecosystems and Organisms

Estuarine

Brackish

Lacustrine - Lake Ecology

Aging

- Eutrophic
- Mesotrophic
- Oligotrophic

Algal bloom

Anoxia

Dissolved oxygen

Lake productivity

Limiting nutrient

Limnetic

Littoral

Nitrogen

Nutrient Leaching

Phosphorus

Temperature Strata

- Epimnion
- Hypolimnion
- Metalimnion
- Thermocline

Marine

Intertidal zone

Salinity

Subtidal zone

Palustrine

Emergents (non-woody)

Riparian Buffer

Microclimate

Turbidity

Water temperature

Riverine - Stream Ecology

Macroinvertebrates

- Complete metamorphosis
- Ephemeroptera
- Incomplete metamorphosis

- Kick-seine

- Plecoptera

- Trichoptera

- Tolerance

Pool

Riffle

- Dissolved oxygen

Run

Streamflow

Spawning Habitat

Vernal Pool

General Ecology / Random Terms

Autotroph

Facultative organism

Habitat

Habitat fragmentation

Heterotroph

Hydric soil

Limiting resource

Nutrient Sink

Nutrient Source

Obligate organism

Trophic level (Food web)

Upland

Water Use and Protection

Water Use

Consumptive use

Direct Use

Indirect Use

Levee

Total maximum daily load program (TMDL)

Well head protection

Federal Laws

Federal Clean Water Act

Federal Safe Drinking Water Act

State Laws

DEM Freshwater Wetlands Act

Coastal Resource Management

Council Jurisdiction

Rhode Island Private Well Act

