

Users are advised to consult the Canadian Environmental Quality Guidelines introductory text, factsheet, and/or protocols for specific information and implementation guidance pertaining to each environmental quality guideline.

Temperature

Parameter 1: PHYSICAL

Parameter 2: Temperature

Water Quality for the Protection of Aquatic Life

Further documentation on these guidelines can be found in the Canadian Environment Quality Guidelines.

[Download
Factsheet](#)

Freshwater

Concentration (µg/L)

Narrative

For more information, see CCREM 1987

Thermal Stratification: Thermal additions to receiving waters should be such that thermal stratification and subsequent turnover dates are not altered from those existing prior to the addition of heat from artificial origins

Maximum Weekly Average Temperature: Thermal additions to receiving waters should be such that the maximum weekly average temperature is not exceeded

Short-term Exposure to Extreme Temperature: Thermal additions to receiving waters should be such that the short-term exposures to maximum temperatures are not exceeded. Exposures should not be so lengthy or frequent as to adversely affect the important species.

Date

1987

Marine

Concentration (µg/L)

Narrative

Human activities should not cause changes in ambient temperature of marine and estuarine water to exceed $\pm 1^{\circ}\text{C}$ at any time, location, or depth. The natural temperature cycle characteristic of the site should not be altered in amplitude of frequency by human activities. The maximum rate of any human-induced temperature change should not exceed 0.5°C per hour.

Note:
Interim guideline.

Date

1996

Water Quality for the Protection of Agriculture

Irrigation

Concentration (µg/L)

No data

Date

No data

Livestock

Concentration (µg/L)

No data

Date

No data

Sediment Quality for the Protection of Aquatic Life

Freshwater

Concentration (µg/kg dry weight) - ISQG

No data

Concentration (µg/kg dry weight) - PEL

No data

Date

No data

Marine

Concentration (µg/kg dry weight) - ISQG

No data

Concentration (µg/kg dry weight) - PEL

No data

Date

No data

Soil Quality for the Protection of Environmental and Human Health

Concentration (mg/kg dry weight) - Agricultural

No data

Concentration (mg/kg dry weight) - Residential / parkland

No data

Concentration (mg/kg dry weight) - Commercial

No data

Concentration (mg/kg dry weight) - Industrial

No data

Date

No data

Tissue Residue Quality for the Protection of Wildlife Consumer of Aquatic Biota

Concentration (µg/kg diet wet weight)

No data

Date

No data