

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.

Silver

Parameter 1: INORGANIC

Parameter 3: Metals

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

Short Term Concentration (µg/L) NRG

NRG= no recommended guideline

This guideline is not applicable to silver nanoparticles.

CWQGs were derived based on the total concentration of Ag.

Because the short-term SSD 5th percentile and the long-term SSD 5th percentile (CWQG) are essentially equal, no designated short-term freshwater benchmark is recommended.

Long Term Concentration (µg/L) 0.25

This guideline is not applicable to silver nanoparticles.

CWQGs were derived based on the total concentration of Ag.

Date 2015

Marine

Short Term Concentration (µg/L) 7.5

This guideline is not applicable to silver nanoparticles.

CWQGs were derived based on the total concentration of Ag.

Long Term Concentration (µg/L) NRG

NRG= no recommended guideline

This guideline is not applicable to silver nanoparticles.

CWQGs were derived based on the total concentration of Ag.
There were insufficient data to derive a long-term marine guideline.

Date	2015
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Water Quality for the Protection of Agriculture

Irrigation

Concentration (µg/L)	No data
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Date	No data
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Livestock

Concentration (µg/L)	No data
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Date	No data
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Sediment Quality for the Protection of Aquatic Life

Freshwater

Concentration (µg/kg dry weight) - ISQG	No data
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Concentration (µg/kg dry weight) - PEL	No data
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Date	No data
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Marine

Concentration (µg/kg dry weight) - ISQG	No data
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Concentration (µg/kg dry weight) - PEL	No data
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Date	No data
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Soil Quality for the Protection of Environmental and Human Health

Concentration (mg/kg dry weight) - Agricultural	20
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Concentration (mg/kg dry weight) - Residential / parkland	20
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Concentration (mg/kg dry weight) - Commercial	40
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Concentration (mg/kg dry weight) - Industrial	40
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Date	1991
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Tissue Residue Quality for the Protection of Wildlife Consumer of Aquatic Biota

Concentration (µg/kg diet wet weight)	No data
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Date	No data
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