

VALUE(S) ADDED 7-24-85  
FACT SHEET REVISED \_\_\_\_\_  
VALUE(S) REMOVED \_\_\_\_\_

Date: August 6, 1984

Surface Water Quality  
Standard Documentation

Chemical: Boron

C.A.S. No.(s): NA

Basis (Human/Aquatic): Aquatic

Standard by Water Classification:

	<u>ug/l</u>	<u>Notes</u>
Classes AA,AA-s;A;A-s;B;C	10,000	J
Class D		
Classes SA;SB;SC;I	1,000	J
Class SD		

Remarks:

Summary of Information

Thompson, J.A.J. et al. 1979. Boron. Pages 44-50 In: A review of the EPA Red Book: Quality criteria for water. RV. Thurston et al. (Eds.). Water Quality Section, American Fisheries Soc. Bethesda, MD.

-criticize EPA Red Book for its failure to provide guidance to prevent toxicity to aquatic life.

-recommended criteria.

-"1,000 ug/liter for discharge to marine waters".

-"10,000 ug/liter for discharge to freshwater".

-no studies to evaluate chronic effects on reproduction have been conducted; criteria selected are based on applying a factor of 0.05 to acute tests of varying time periods.

Standard Derivation

The criteria recommended by Thompson et al. (1979) are scientifically sound, satisfy NYS protocol and should be adopted for all surface water classes except D and SD.