

Degree of eutrophication 1993 - 1995

Quality of Surface Waters

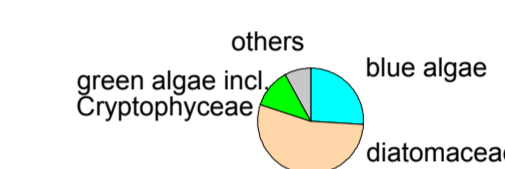
- quality class I
- quality class I-II
- quality class II
- quality class II-III
- quality class III-IV
- quality class IV

The potential of the eutrophication (like high nutrient bid) cannot improved completely because of chemical and physical factors as well as toxicologic growth inhibition. The quality of surface waters is designated decisive by other quality factors. (Bacteriological degradation of organic substances - heterotrophic degradation)

High blue algae concentration (Cyanophyceae) at the algae biovolume during the bathing season.

- waters
- city limit
- borough border

Parts of the algae biovolume during the measured period:



quality class	Chl a medium (µg/l)	TP medium (mg/l)	sighting depth medium (m)
I	1 - 4	-	4,6 - 6,0
I-II	3 - 8	0,006 - 0,018	3,5 - 5,0
II	7 - 30	0,016 - 0,082	1,5 - 3,7
II-III	25 - 50	0,067 - 0,150	1,0 - 1,7
III	50 - 100	0,150 - 0,320	0,5 - 1,0
III-IV	> 100	> 0,320	< 0,5
IV	not defined	-	-

Red marked class: quality objective intended by the LAWA working group "targets".

Basis of evaluation:
Proposal for the quality classification of affluents containing watercourses on the basis of the medial chlorophyll- a-content for the period 1. March to 31. October during 3 years (LAWA 1996) as well as the sighting depth areas and all-up phosphorus concentration (IGB).



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Data: - Landesmessnetz Oberflächenwasserbeschaffenheit für den Zeitraum 1. März bis 31. Oktober über die Jahre 1993, 1994, 1995
- Pro Jahr 12 bis 20 Stichprobenmessungen - Analytik bei den BVB oder im LAGeSi
- Schichtprobe in 0,5 m Tiefe
- Auswertungen aus dem Wasserwirtschaftlichen Informationssystem Berlin - WIB

Dataprocessing and map producing: SenStadt VIII E 22
Colour Scheme: LAWA
End of work: February 1996

Based on the maps: Digitale Arbeitskarte 1 : 5 000 - SenStadt 2001; Gewässerverzeichnis - SenStadt HT IX 2; Gewässergütemessungen - SenStadt IX B 2; Digitale Grundkarte Berlin - SenStadt IX B 2;

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