




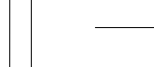

Degree of eutrophication 1995 - 1997

Quality of Surface Waters

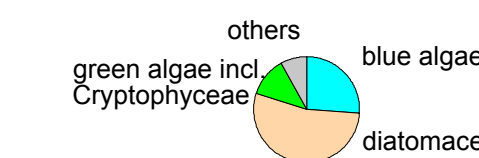
- quality class I
- quality class I-II
- quality class II
- quality class II-III
- quality class III-IV
- quality class IV

 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-IV	50 - 100	0,150 - 0,320	0,5 - 1,0
IV	> 100	> 0,320	< 0,5

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



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 Text: VIII E 2
 Data: - Landesmessnetz Oberflächenwasserbeschaffenheit für den Zeitraum 1. März bis 31. Oktober über die Jahre 1995, 1996, 1997
 - Pro Jahr 12 bis 20 Stichprobenmessungen - Analyse bei den BWB oder im LAGeSti
 - Schöpfprobe in 0,5 m Tiefe
 - Auswertungen aus dem Wasserwirtschaftlichen Informationssystem Berlin - WIB

Dataprocessing and map producing: SenStadt VIII E 22
 LAWA
 End of work: June 1999

Based on the maps: Digitale Arbeitskarte 1 : 5 000 - SenStadt 2001; Gewässerverzeichnis - SenStadt HT 114 C; Gewässergrenztrefen - SenStadt IX B 2; Digitale Grundkarte Berlin - SenStadt IX B 2.

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