



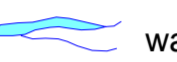


Degree of eutrophication 1999 - 2001

Quality of Surface Waters

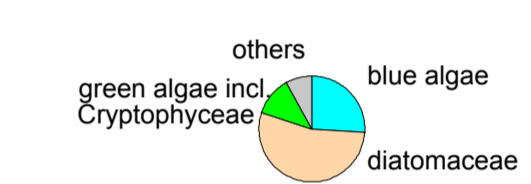
- quality class I
- quality class I-II
- quality class II
- quality class II-III
- quality class III-IV
- quality class IV

 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 - 0,152	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 placton 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



Published by: **Berlin Department of Urban Development Communication**

Conception: VIII E 2 - Wasserwirtschaftliche Grundlagen
 Text: VIII E 2
 Data: - Landesmessnetz Oberflächenwasserbeschaffenheit für den Zeitraum 1. März bis 31. Oktober über die Jahre 1999, 2000, 2001
 - Pro Jahr 12 bis 15 Stichprobenmessungen, Analytik bei den BWB oder im LAGETSI
 - Schichtproben 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: April 2002
 Based on the maps: Digitale Arbeitskarte 1 : 5 000 - SenStadt 2001; Gewässerverzeichnis, SenStadt HT II 11.2; Gewässergütekarten, SenStadt IX B 2; Digitale Grundkarte Berlin, SenStadt IX B 2;
 Diese Karte ist gesetzlich geschützt. Nachdruck oder sonstige Vervielfältigung nur mit Erlaubnis des Herausgebers.
 Edition March 2004
 Internet-Adress: <http://www.stadterwicklung.berlin.de>

