

	Q bio m3 / Tag	Q min l / s	Q max l / s
Mittelwert	22'237		
20%-Wert	13'004	104	270
50%-Wert	19'800	152	439
80%-Wert	32'796	308	518
Q tw 1)	16'402	128	355
2 Q tw			709

1) Mittel aus 20% und 50%-Wert

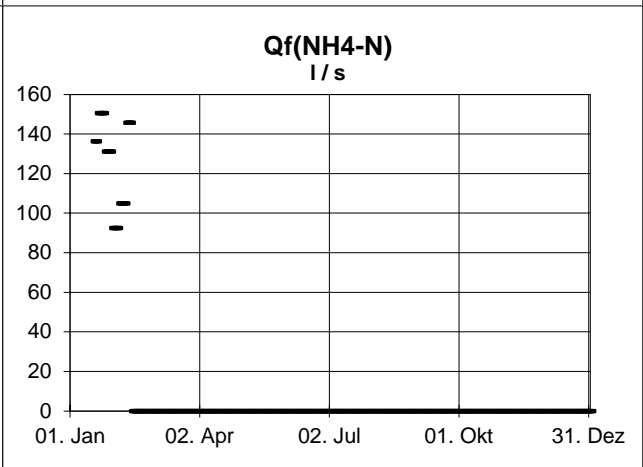
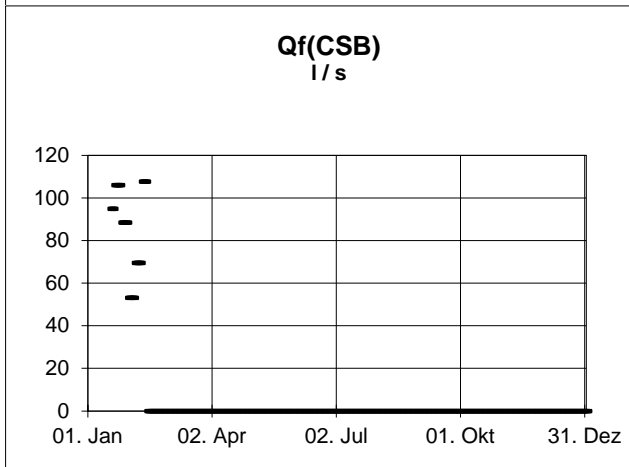
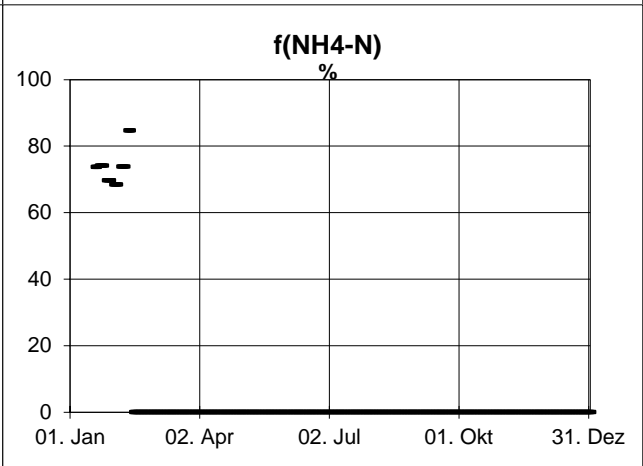
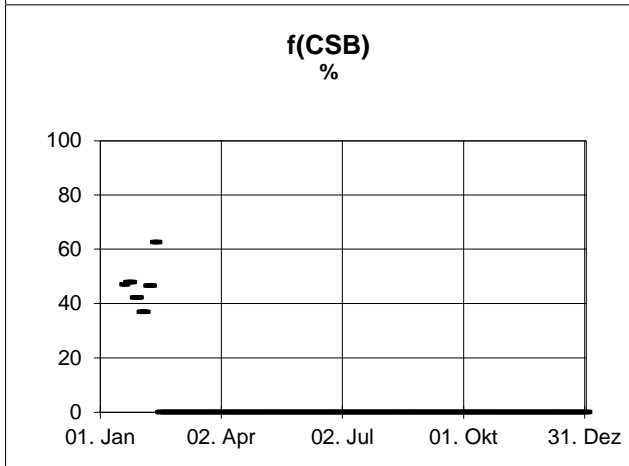
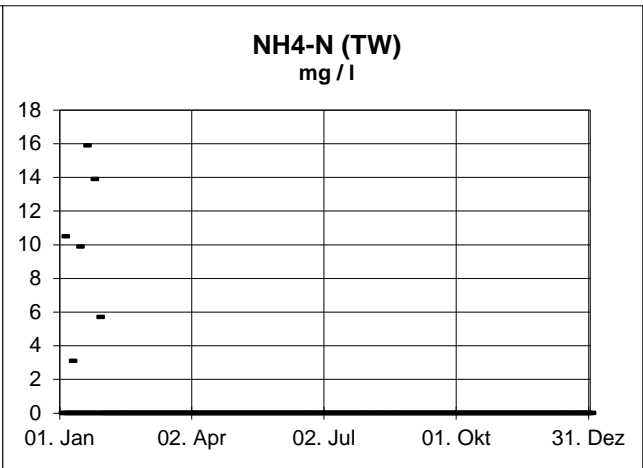
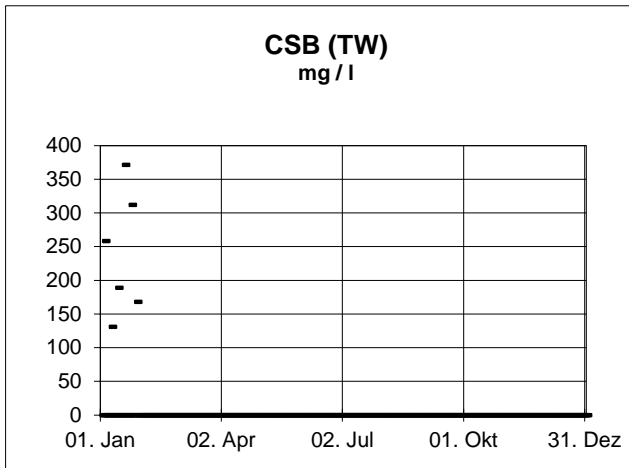
Fremdwasseranteil #DIV/0! %

siehe Seite 2

	Tagesmittelwerte	
	m3 / d	l / s
Q tw	16'402	190
Q fremd 2)	#DIV/0!	#DIV/0!
Q schmutz 3)	#DIV/0!	#DIV/0!

2) = Q tw * Fremdwasseranteil / 100

3) = Q tw - Q fremd



Vorgaben:

Q schmutz	200	l/EW*Tag
CSB	90	g/EW*Tag
NH4-N	7.5	g/EW*Tag
K soll (CSB)	450	mg / l
K soll (NH4-N)	37.5	mg / l

K soll: erwartete Konzentration im Zulauf, wenn nur Schmutzwasser zuläuft!

Schätzung aus EW biochemisch

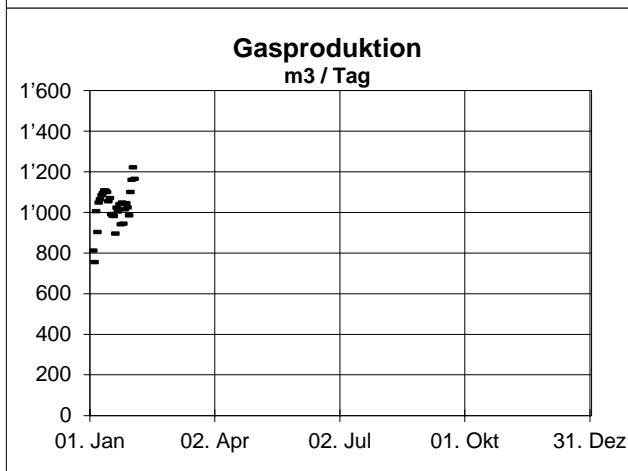
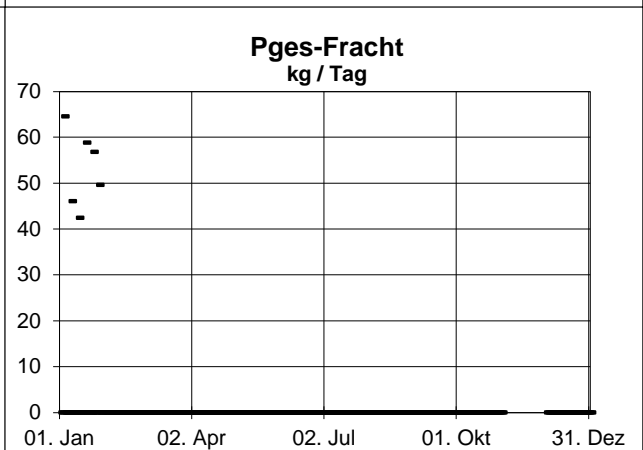
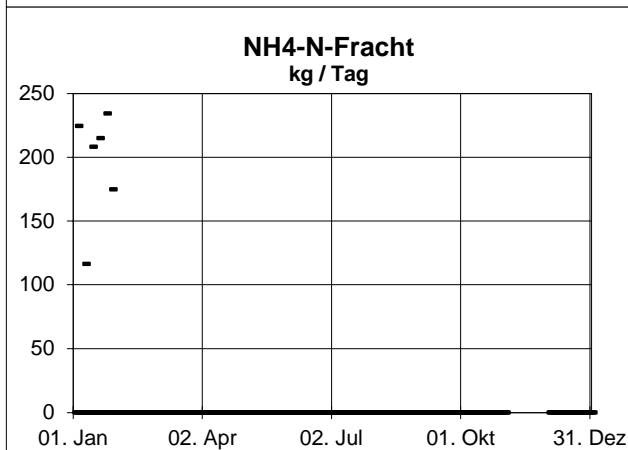
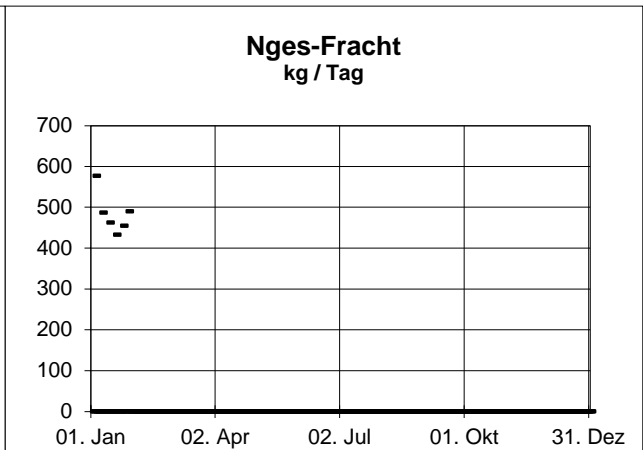
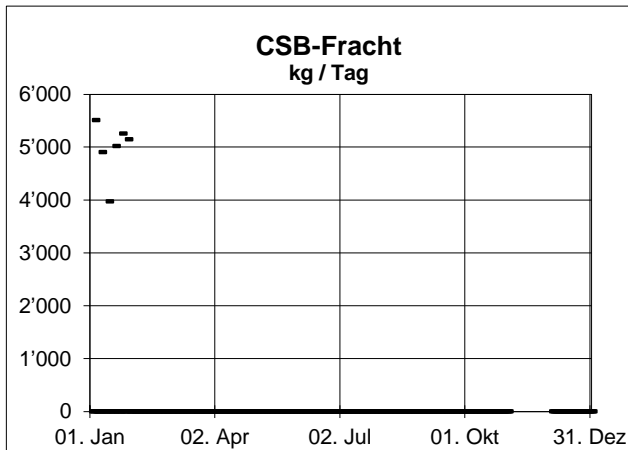
Q tw	16'402	m3 / Tag
Q schmutz (EW) ¹⁾	#DIV/0!	m3 / Tag
Q fremd (EW)	#DIV/0!	m3 / Tag
f (EW)	#DIV/0!	%

¹⁾ 200 l / EW * Tag

Schätzung aus den Zulaufkonzentrationen:

f(CSB)	Jahresmittel	47	%
f(NH4-N)	Jahresmittel	74	%

f Mittelwert	#DIV/0!	%
f gewählt	#DIV/0!	%

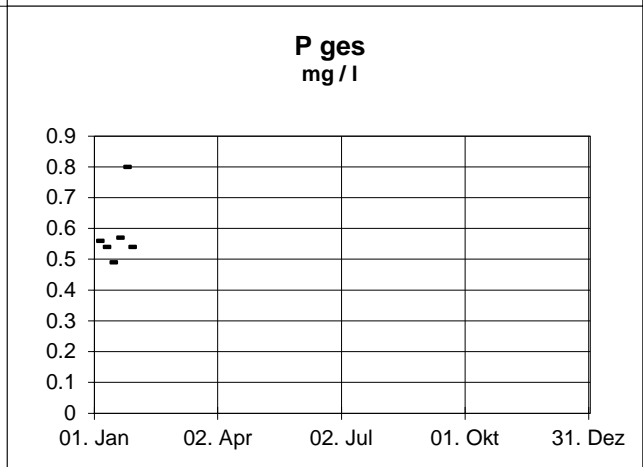
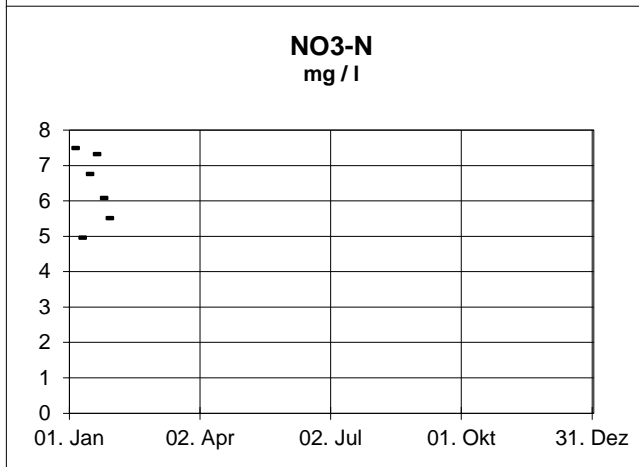
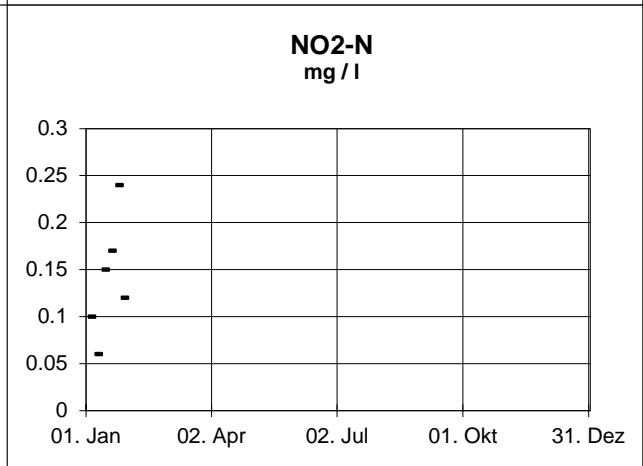
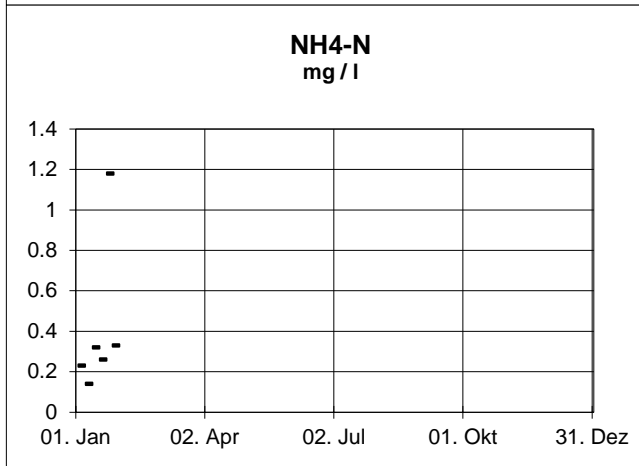
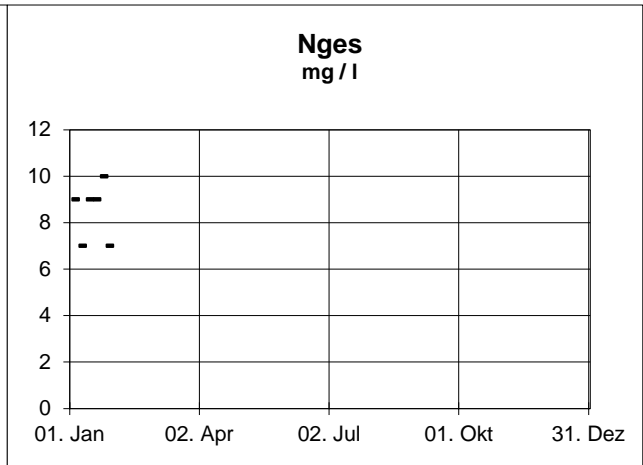
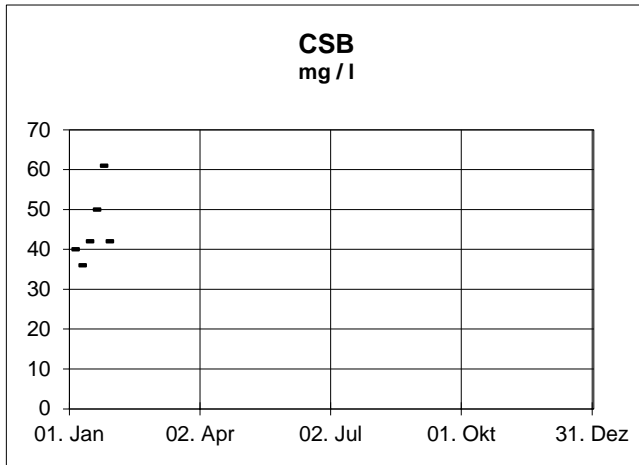


EZ angeschlossen	21'300
EW biochem. gewählt	#DIV/0!
EW biochem. 80%-Wert	#DIV/0!
EW Stickstoff	#WERT!
EW Phosphor	#WERT!

<u>Zulauffrachten</u>	BSB5 kg/Tag	CSB kg/Tag	NH4-N kg/Tag	Pges kg/Tag	Gasp. m3/Tag	FS kg/Tag
Mittelwert					1'025	2'758
50%-Wert					1'041	
80%-Wert					1'101	

spezifische Belastung pro EW	g / Tag	g / Tag	g / Tag	g / Tag	Probenahmeort: ab VKB	l / Tag	g / Tag
	45	90	7.5	1.6		30	85

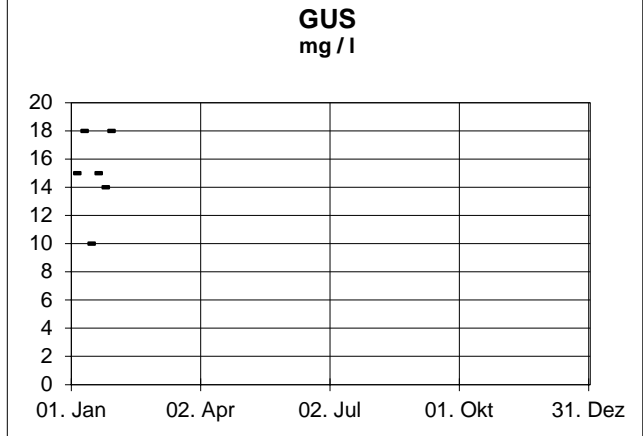
<u>Einwohnerwerte</u>	BSB5 EW	CSB EW	NH4-N EW	Pges EW	Mittelwerte EW	Gasp. EW	FS EW
Mittelwert					#DIV/0!	34'178	32'444
50%-Wert					#DIV/0!	34'700	
80%-Wert					#DIV/0!	36'700	

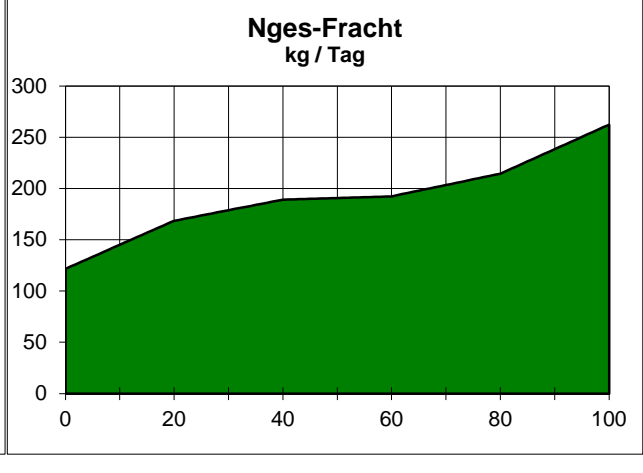
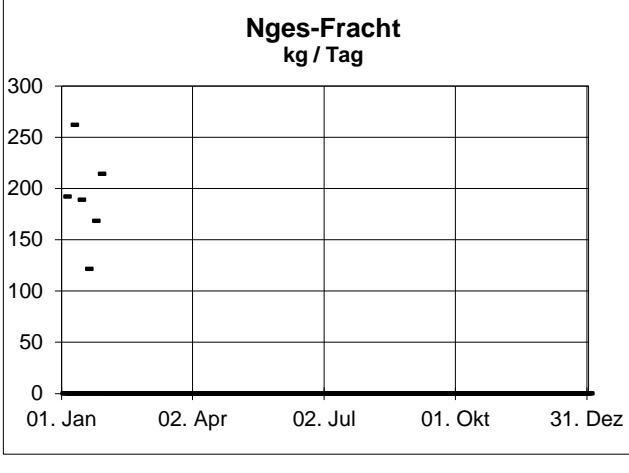
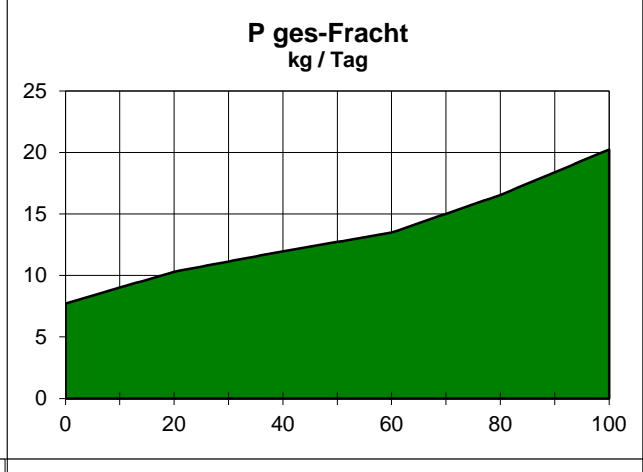
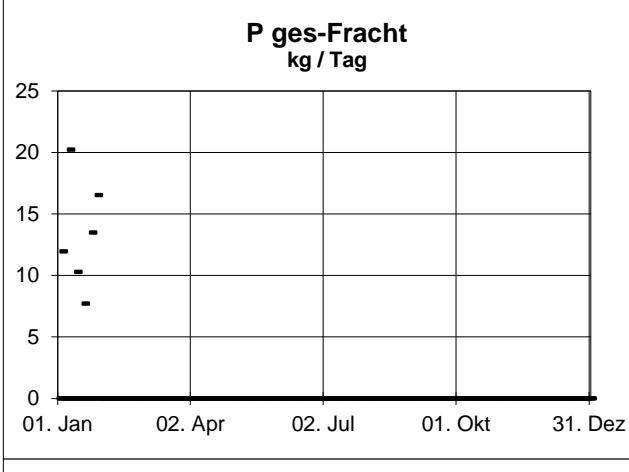
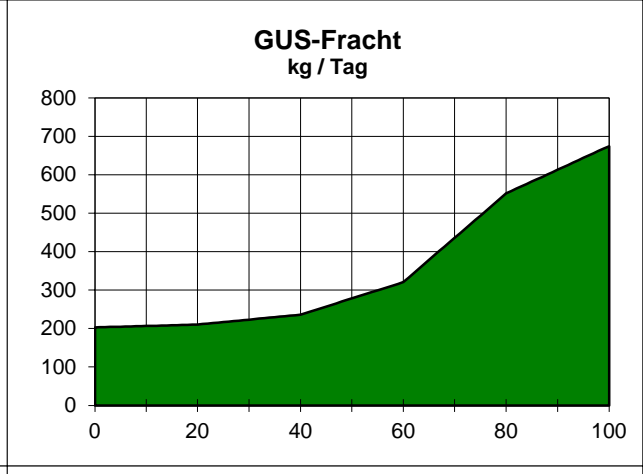
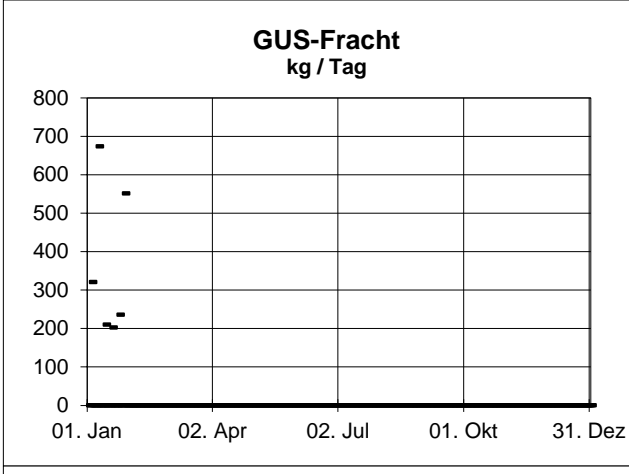
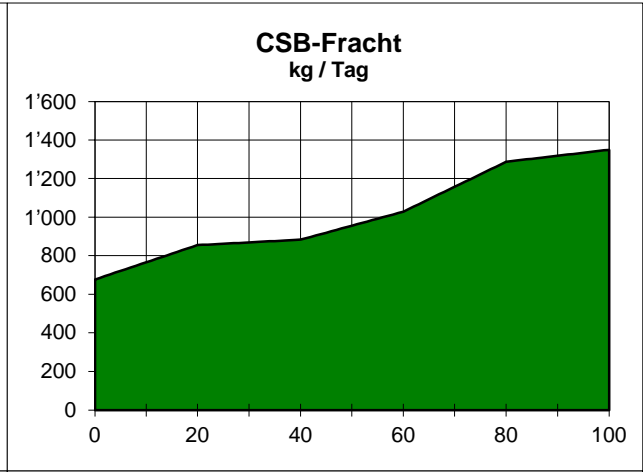
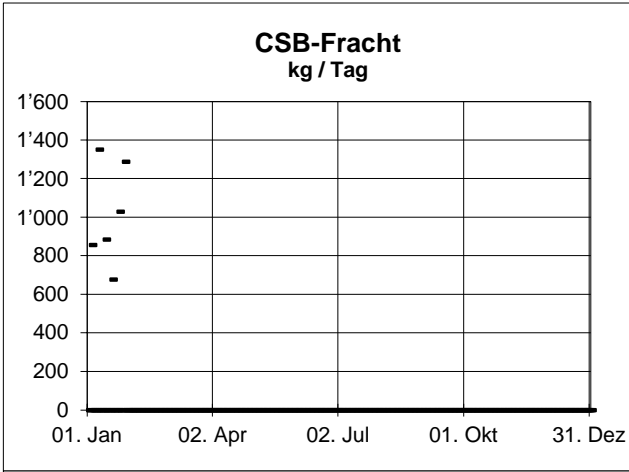


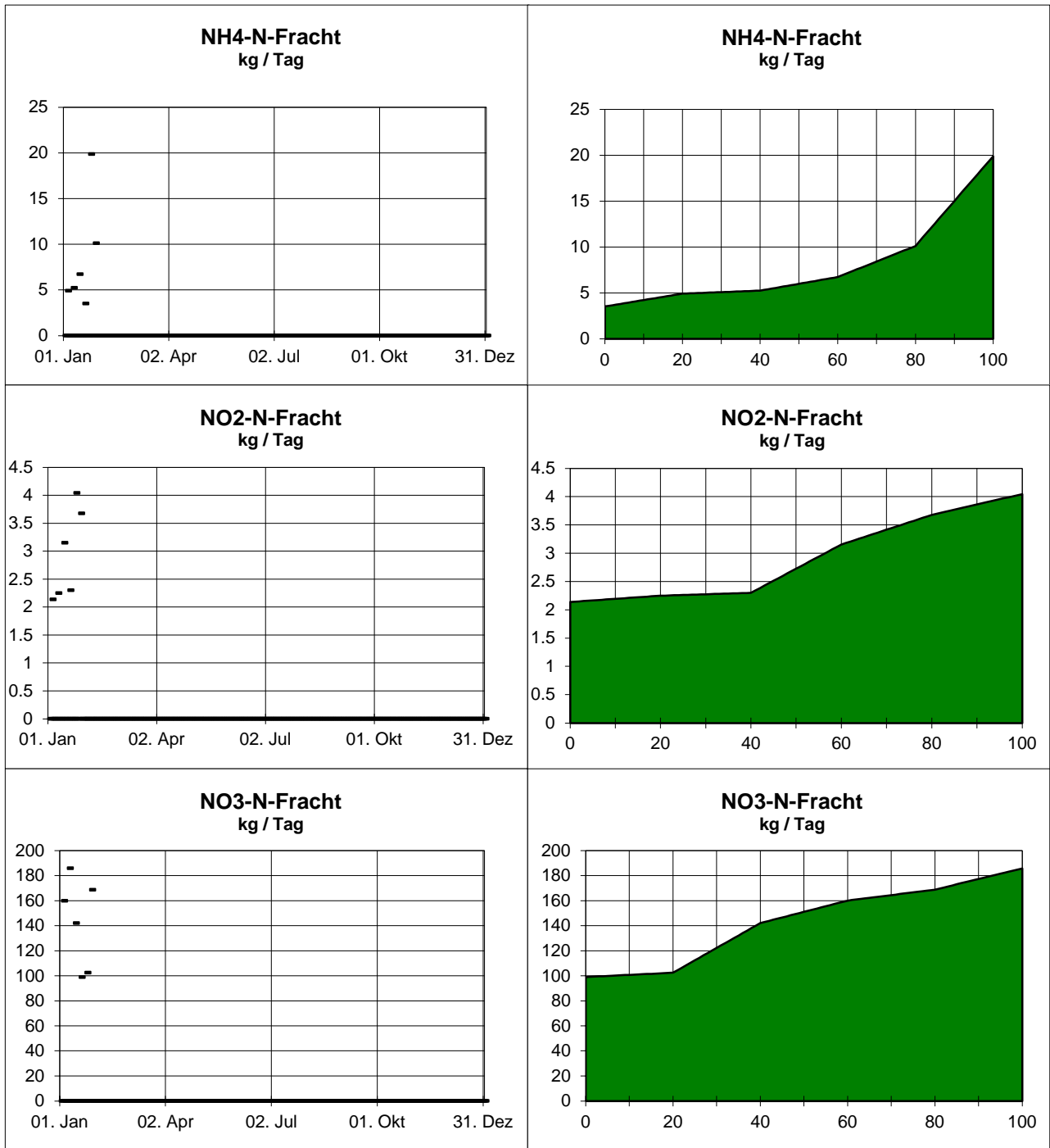
Angaben in mg/l	Mittelwert	90%-Wert	Grenzwert ¹⁾
BSB5			15
CSB			
GUS			15
NH4-N			2
NO2-N²⁾			0.3
NO3-N			
P ges			0.8

¹⁾ nach GSchV vom 28. Oktober 1998

²⁾ Richtwert





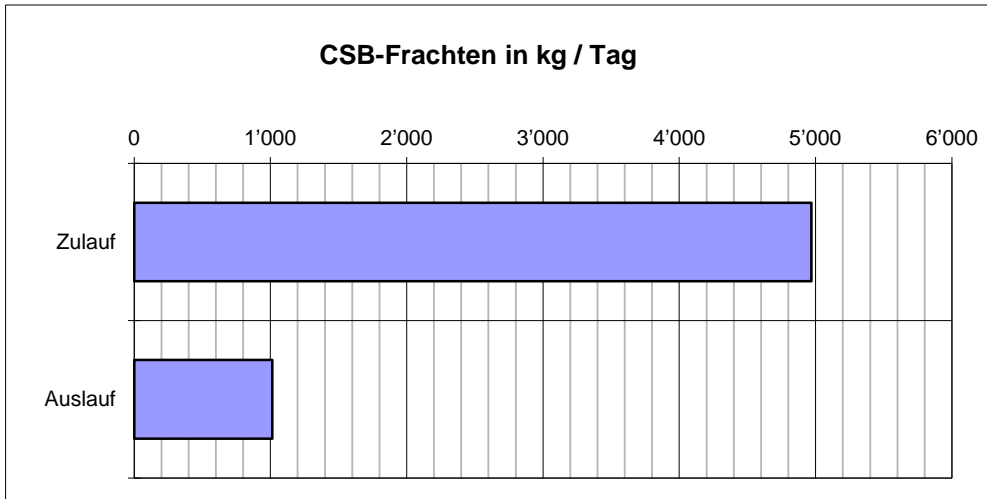


Auslauffrachten:

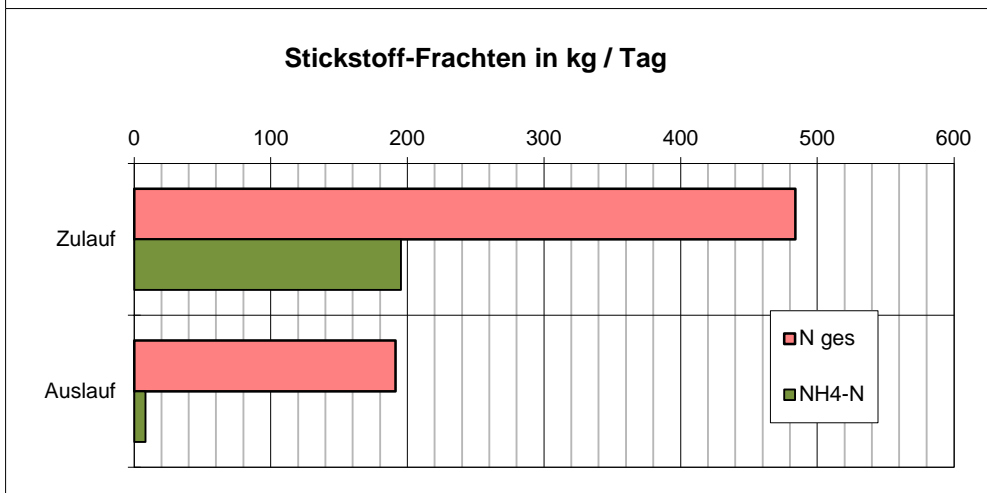
Angaben in kg/Tag	Mittel- wert	50%- Wert	80%- Wert	Mittel 5 - 95 %
CSB				
GUS				
Nges				
NH4-N				
NO2-N				
NO3-N				
P ges				

Abbauleistungen:

	Zulauf kg / Tag	Auslauf kg / Tag	Abbau	Grenz- wert
CSB	4'970	1'013	80%	80%
N ges	483.9	191.4	60%	30%
NH4-N	195.4	8.4	96%	90%
Pges	53.1	13.4	75%	80%

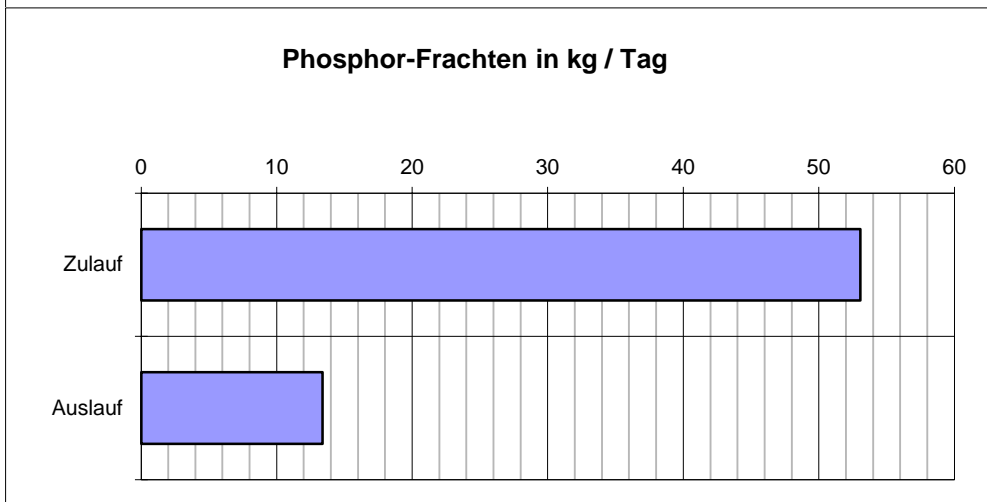


CSB-Abbau	
3'957 kg / Tag	80%
80%	Richtwert

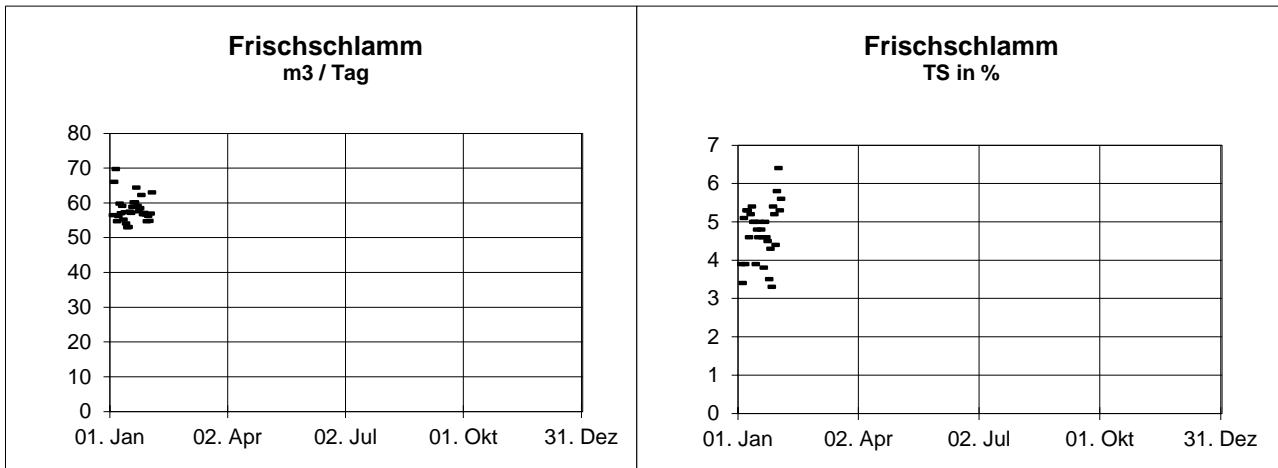


N-Elimination	
293 kg / Tag	60%
30%	

Nitrifikation	
187 kg / Tag	96%
90%	



P-Elimination	
40 kg / Tag	75%
80%	

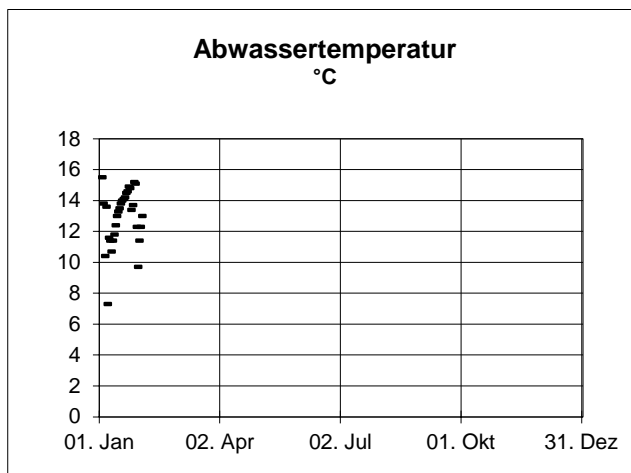


Frishschlammmanfall: Mittelwerte

Frishschl. nass	58.2	m3/Tag
TS-Anteil	4.7	%
Frishschl. in TS	2'758	kg/Tag

Jahresanfall

Frishschl. in TS	1'007	t/ Jahr
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Abwassertemperatur:

Mittelwert	12.9 °C
20%-Wert	11.4 °C
50%-Wert	13.4 °C
80%-Wert	14.5 °C

Bemerkungen zur Datenauswertung: