

	Q bio m ³ / Tag	Q min l / s	Q max l / s
Mittelwert	30'007		
20%-Wert	24'240	224	373
50%-Wert	33'328	328	449
80%-Wert	35'568	380	523
Q tw 1)	28'784	276	411
2 Q tw			822

1) Mittel aus 20% und 50%-Wert

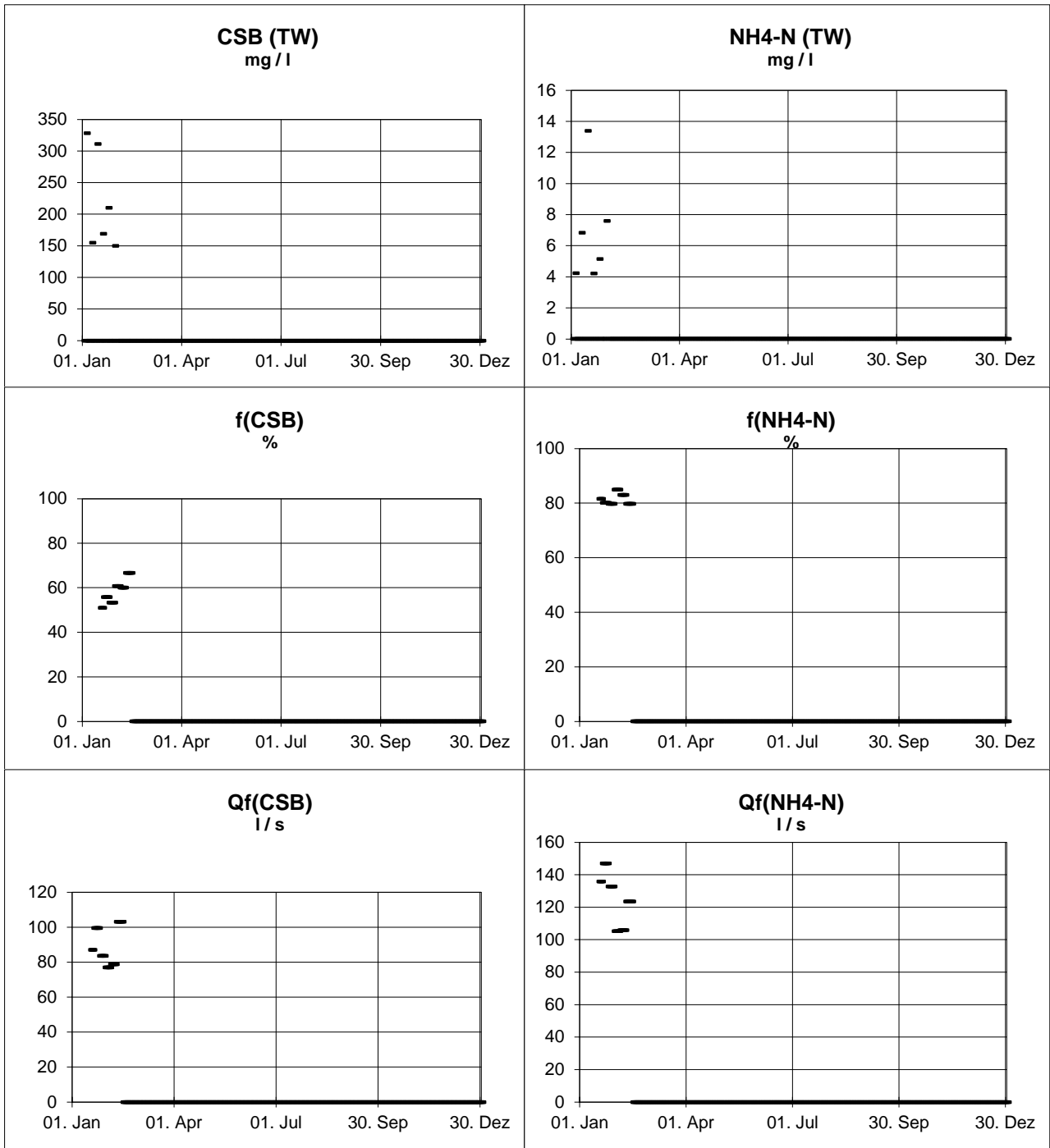
Fremdwasseranteil #DIV/0! %

siehe Seite 2

	Tagesmittelwerte	
	m³ / d	l / s
Q tw	28'784	333
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

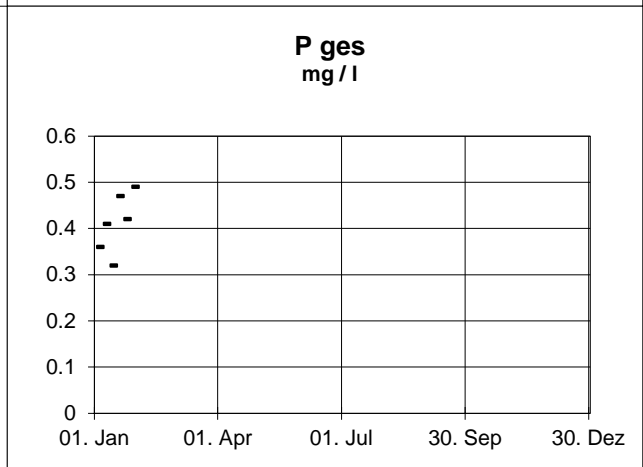
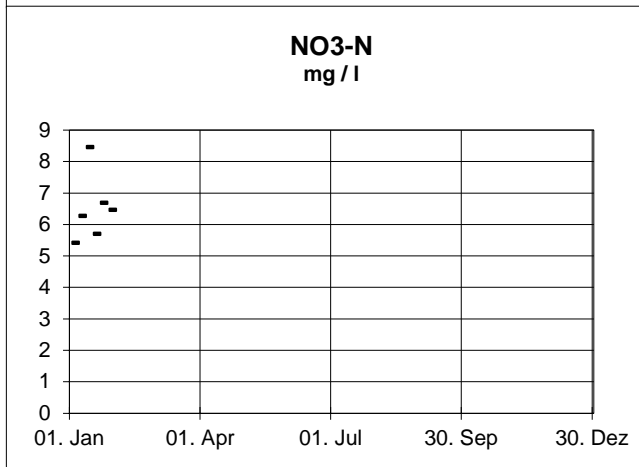
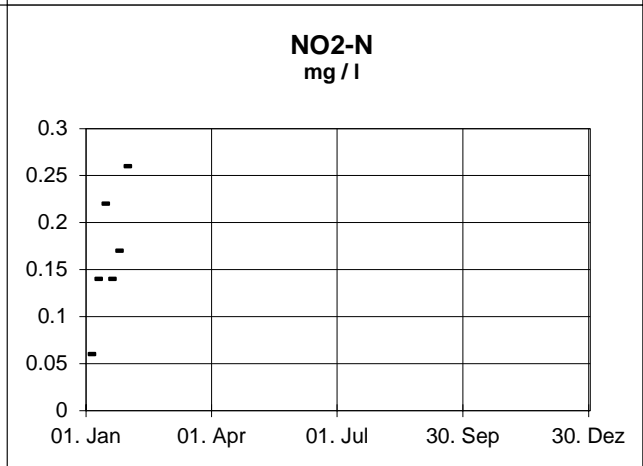
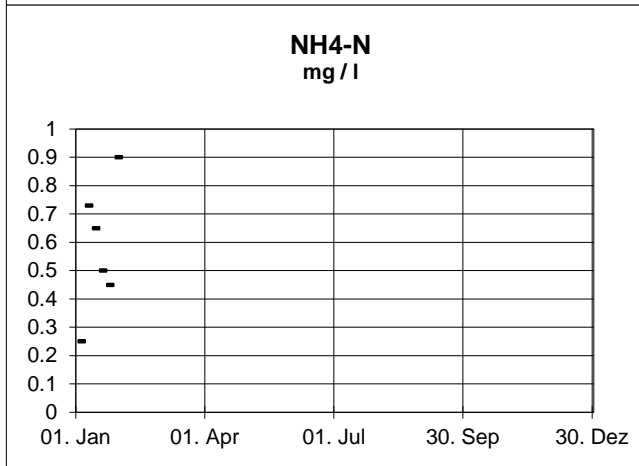
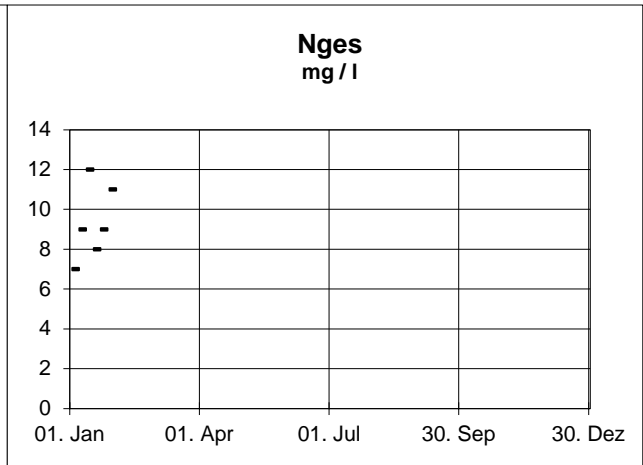
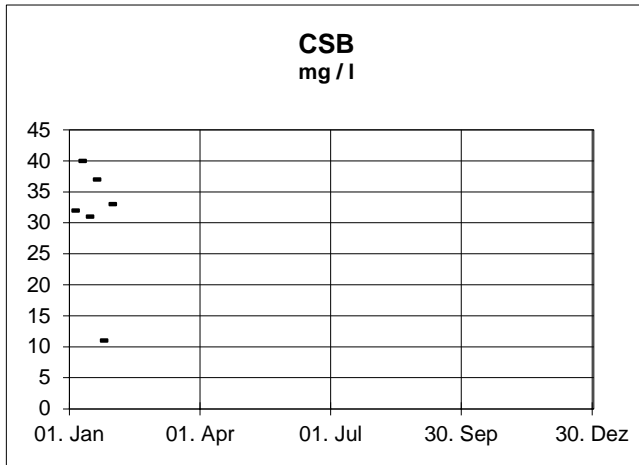
Q tw	28'784	m3 / Tag
Q schmutz (EW) ¹⁾	#DIV/0!	m3 / Tag
Q fremd (EW)	#DIV/0!	m3 / Tag
f (EW)	#DIV/0!	%

¹⁾ 200 l / EW * Tag

Schätzung aus den Zulaufkonzentrationen:

f(CSB)	Jahresmittel	51	%
f(NH4-N)	Jahresmittel	82	%

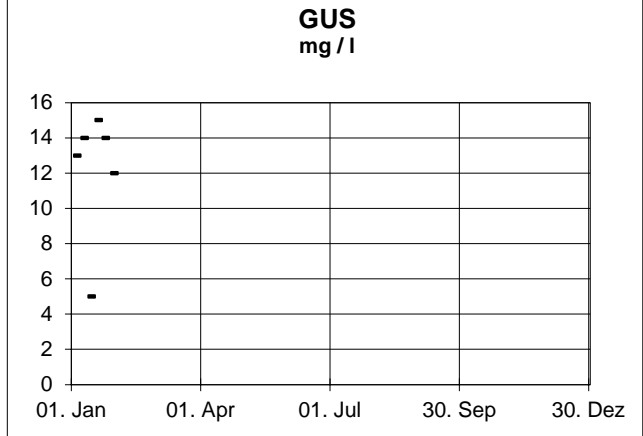
f Mittelwert	#DIV/0!	%
f gewählt	#DIV/0!	%

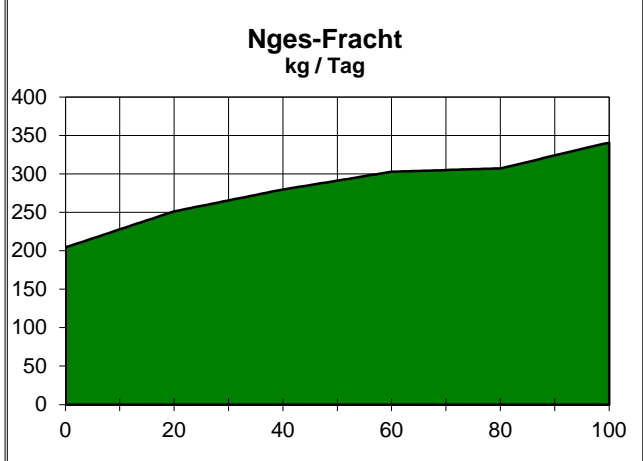
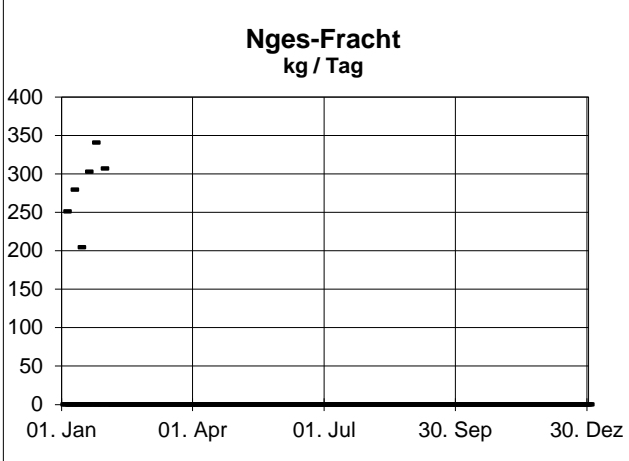
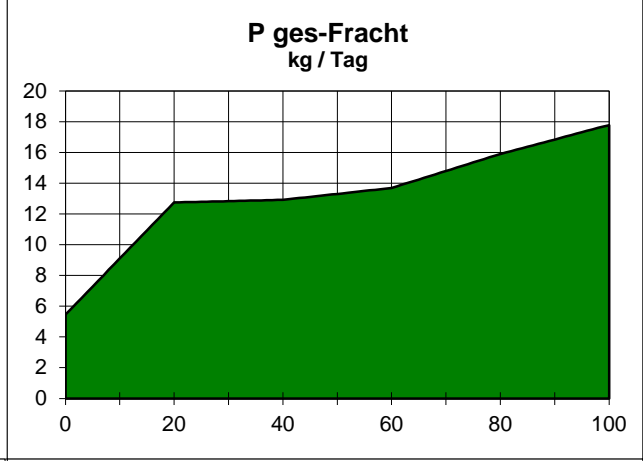
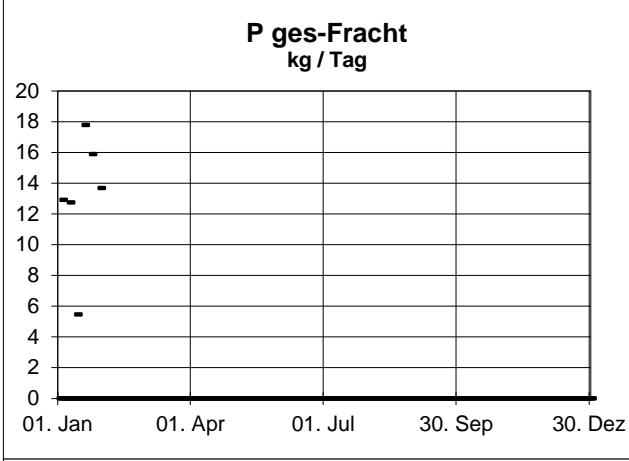
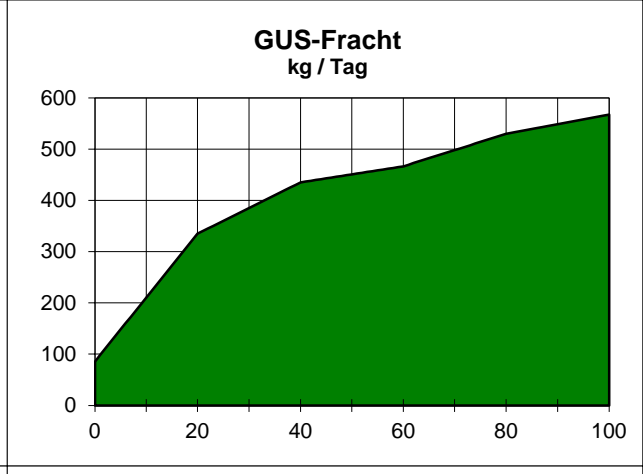
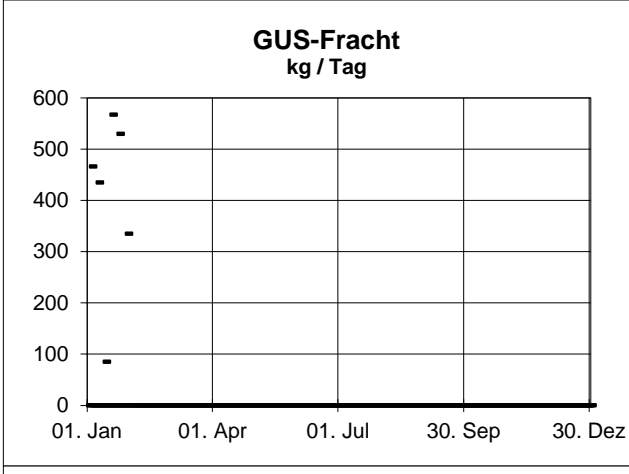
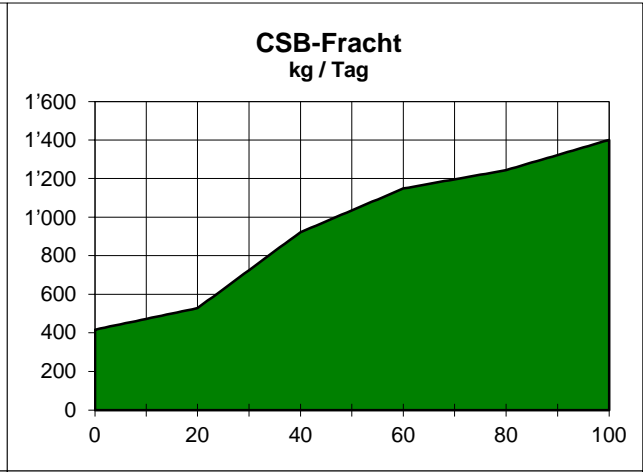
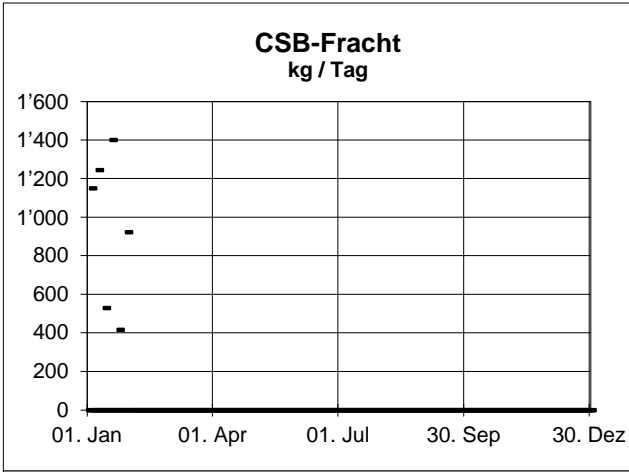


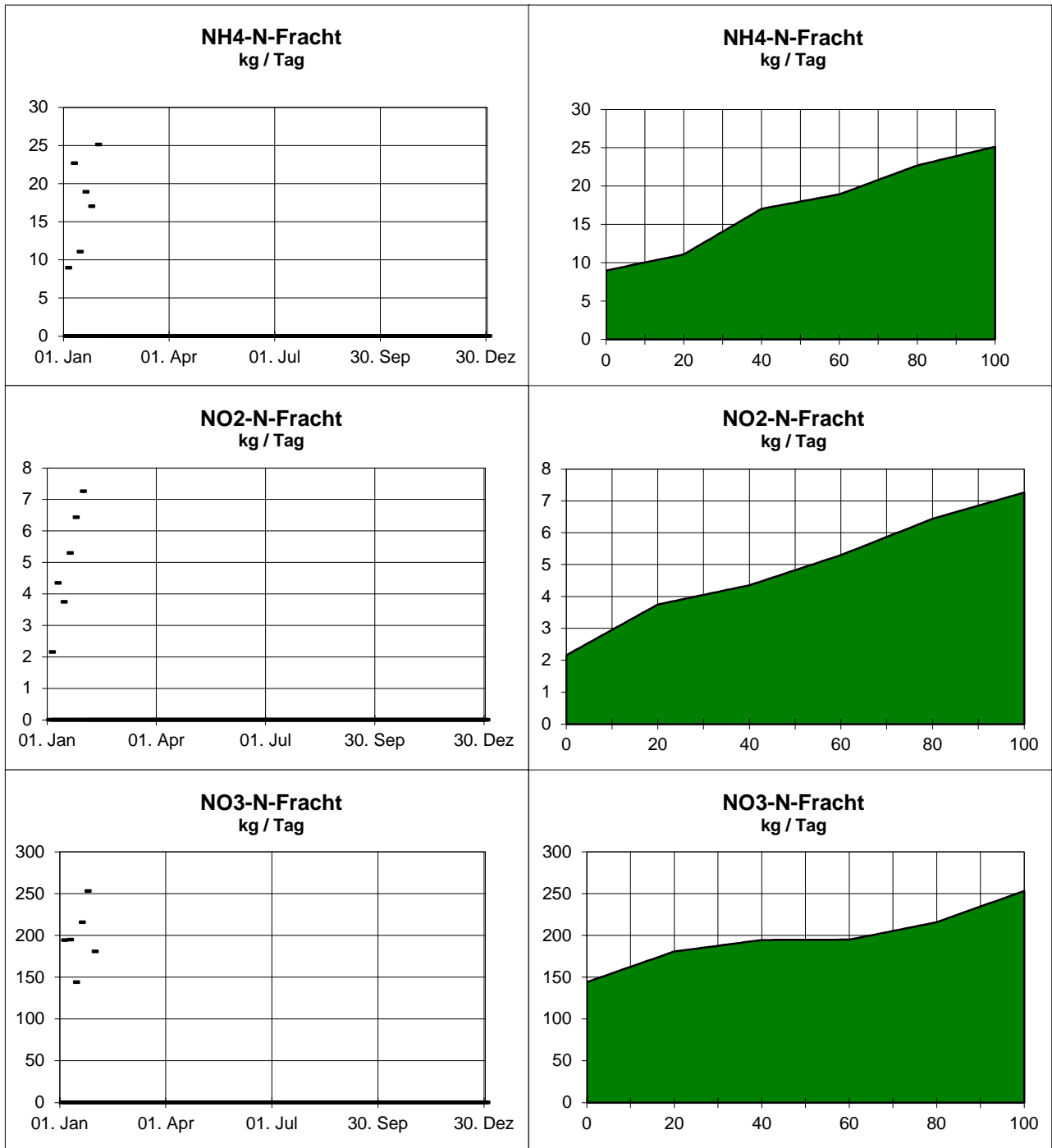
Angaben in mg/l	Mittelwert	90%-Wert	Grenzwert ¹⁾
BSB5			15
CSB			
GUS			15
NH4-N			2
NO2-N²⁾			0.3
NO3-N			
P ges			0.8

¹⁾ nach GSchV vom 28. Oktober 1998

²⁾ Richtwert





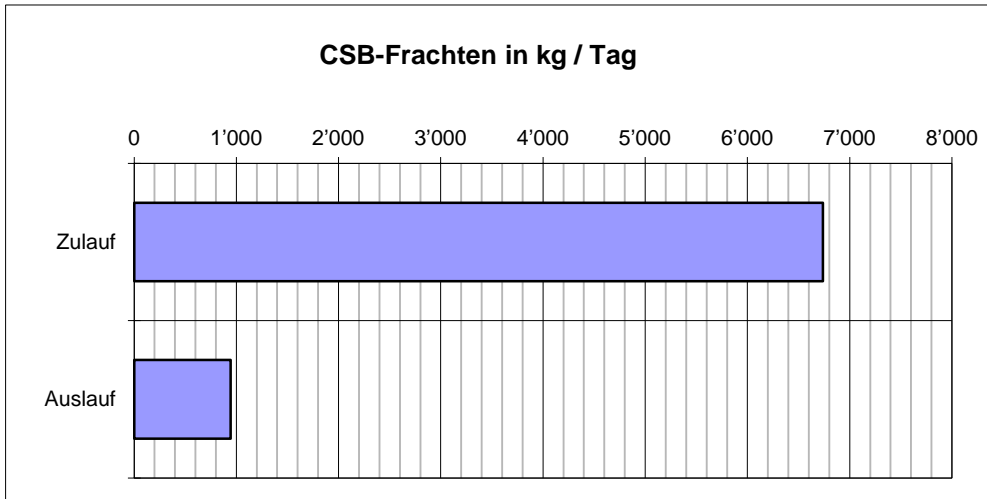


Auslauffrachten:

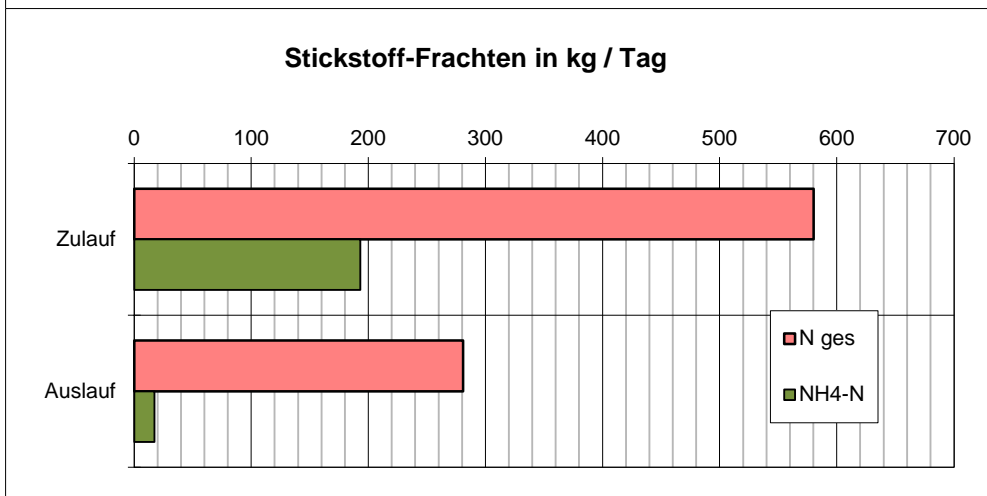
Angaben in kg/Tag	Mittel- wert	50%- Wert	80%- Wert	Mittel 5 - 95 %
CSB				
GUS				
Nges				
NH4-N				
NO2-N				
NO3-N				
P ges				

Abbauleistungen:

	Zulauf kg / Tag	Auslauf kg / Tag	Abbau	Grenz- wert
CSB	6'737	943	86%	80%
N ges	580.2	281.0	52%	30%
NH4-N	193.2	17.3	91%	90%
Pges	61.0	13.1	79%	80%

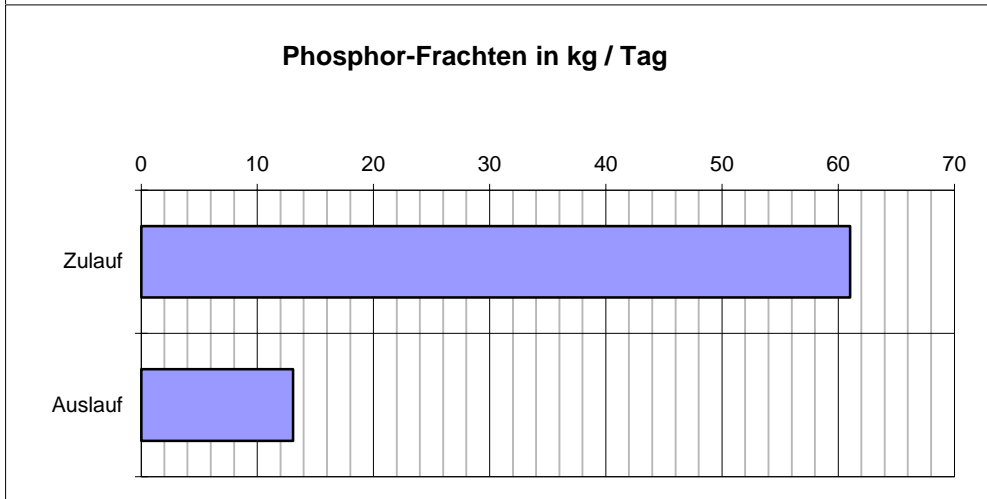


CSB-Abbau	
	5'794 kg / Tag
	86%
	80%
	Richtwert

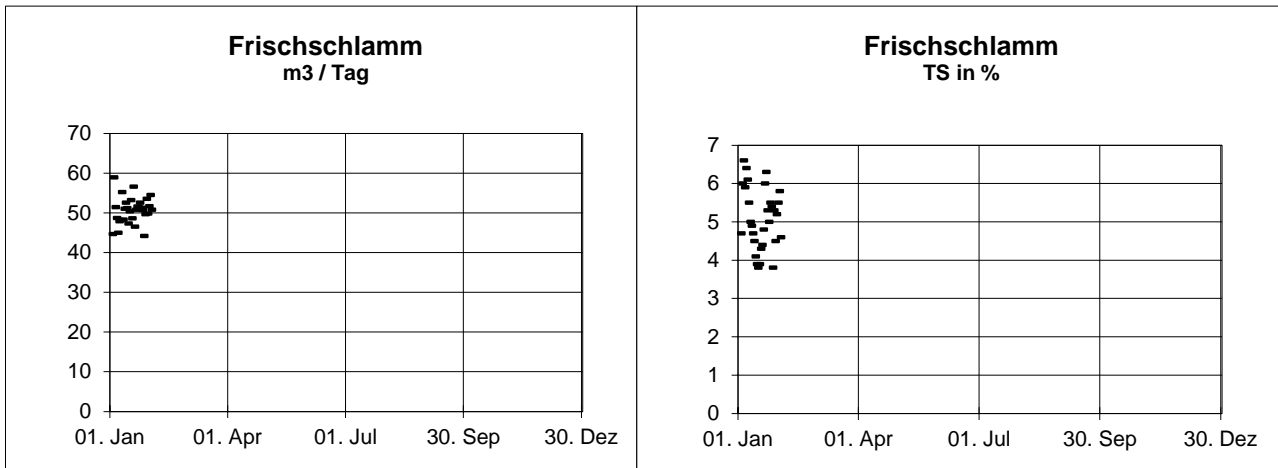


N-Elimination	
	299 kg / Tag
	52%
	30%

Nitrifikation	
	176 kg / Tag
	91%
	90%



P-Elimination	
	48 kg / Tag
	79%
	80%

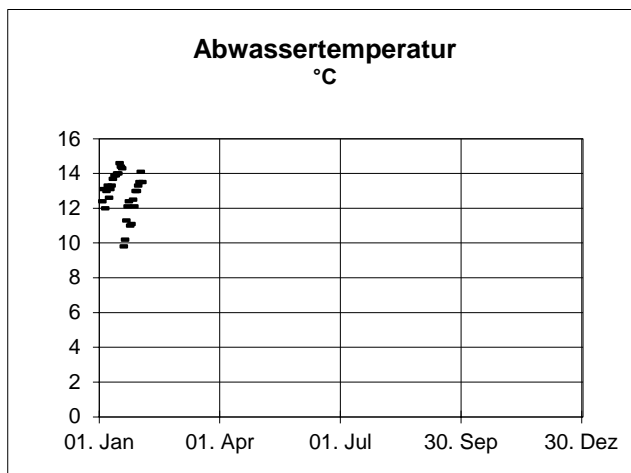


Frishschlammmanfall: Mittelwerte

Frishschl. nass	50.6	m3/Tag
TS-Anteil	5.1	%
Frishschl. in TS	2'574	kg/Tag

Jahresanfall

Frishschl. in TS	939	t/ Jahr
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Abwassertemperatur:

Mittelwert	12.9	°C
20%-Wert	12.1	°C
50%-Wert	13.1	°C
80%-Wert	13.9	°C

Bemerkungen zur Datenauswertung: