

Bericht Nr. 6

**Untersuchungen zur Feststellung
der Ursachen für die
Verschmutzung des Bodensees**

**Ergebnisse der Reihenuntersuchungen und Erhebungen
im Jahre 1961**

1. Einleitung

Die Frage nach den Ursachen der Verschmutzung des Bodensees wurde bereits in dem Bericht Nr. 1 der Internationalen Gewässerschutzkommission für den Bodensee allgemein behandelt. Der Bericht läßt erkennen, daß die Veränderungen des Sees in den letzten Jahrzehnten weitgehend auf die unmittelbare und mittelbare Einleitung von ungenügend gereinigten Abwässern zurückzuführen sind.

Um zu weiteren Unterlagen über die Ursachen der Verschmutzung zu kommen, wurden die Sachverständigen der Kommission beauftragt, eingehende Untersuchungen und Erhebungen über Art, Menge und Herkunft der für die Veränderung des Sees maßgeblichen Stoffe anzustellen. Es sollten dabei vor allem die erforderlichen Ausgangswerte für eine Stoffbilanz und für die spätere Beurteilung der Wirksamkeit von Reinhaltemaßnahmen festgestellt werden. Das von den Sachverständigen vorgeschlagene Arbeitsprogramm wurde im Oktober 1960 von der Kommission genehmigt und im Frühjahr 1961 in Angriff genommen.

Im vorliegenden Bericht sind die bis jetzt gefundenen Ergebnisse dieser Untersuchungsarbeiten zusammengestellt und soweit ausgewertet, wie es zum gegenwärtigen Zeitpunkt möglich ist.

2. Arbeitsprogramm

Bei der Aufstellung des Arbeitsprogramms wurde besonderes Gewicht auf die genaue Festlegung von Arbeitsvorschriften gelegt, die in allen Anliegerstaaten einheitlich angewendet werden sollen.

Das Programm sah zunächst zwei Teilaufgaben vor:

1. Physikalisch-chemische Untersuchungen der bedeutenderen natürlichen Bodenseezuflüsse in der Nähe ihrer Mündung und der unmittelbar in den See führenden zusammengefaßten kommunalen Abwassereinleitungen.
2. Feststellung der durch die Untersuchungen nach Ziffer 1 nicht erfaßbaren Abwasserbelastung aus den Seeanliegergemeinden auf dem Wege statistischer Erhebungen.

Die Arbeiten zur Teilaufgabe 1 bestehen aus Untersuchungsfolgen von jeweils drei im Laufe eines Jahres durchzuführenden, gleichartigen Reihenuntersuchungen, die in größeren Zeitabständen stattfinden sollen. Bei der jahreszeitlichen Festlegung der drei Reihenuntersuchungen wurde davon ausgegangen, daß sie bei unterschiedlichen Witterungsbedingungen, aber stets stabilen Abflußverhältnissen vorgenommen werden sollten. Sie wurden auf die Monate Februar/März, Juni und Oktober gelegt und sollen am gesamten Seeufer möglichst gleichzeitig, in jedem Falle aber innerhalb eines Zeitraumes von vier Wochen, stattfinden.

Bei jeder Reihenuntersuchung sind aus den ausgewählten Zuflüssen und Einleitungen 7 Tage lang im Abstand von 4 Stunden Wasserproben zu entnehmen und zu analysieren. An jeder Wasserprobe sind zu bestimmen:

Temperatur
pH-Wert
absetzbare Stoffe
Gesamthärte
Karbonathärte
Sauerstoff
5-tägiger biochemischer Sauerstoffbedarf (BSB₅)
Kaliumpermanganat-Verbrauch
Kjeldahl-Stickstoff
Ammonium-Stickstoff
Nitrit-Stickstoff
Nitrat-Stickstoff
Gesamt-Phosphor
Phosphat-Phosphor
Chlorid-Ion

Außerdem sind fallweise zu bestimmen:

Anionaktive Detergentien
Phenole

An allen Entnahmestellen ist zudem in dem untersuchten Fließgewässer oder Kanal der Abfluß zur Zeit jeder Probeentnahme festzustellen.

Zur Erledigung von Teilaufgabe 2 des Arbeitsprogrammes ist es erforderlich, in den in Frage kommenden Seeanliegergemeinden die Einwohnerzahlen und Industrie-Einwohnergleichwerte zu ermitteln. Die in den See gelangenden Mengen an BSB₅, Gesamtstickstoff und Gesamtphosphor sollen sodann durch Multiplikation der Summe von Einwohnern und Industrie-Einwohnergleichwerten mit folgenden Grundwerten gefunden werden:

Biochemischer Sauerstoffbedarf (BSB ₅):	50 g / E,T
Gesamtstickstoff:	12 g / E,T
Gesamtphosphor:	3 g / E,T

Die Sachverständigen der Kommission sind sich bewußt, daß das Ergebnis einer derartigen statistischen Erhebung große Unsicherheiten in sich birgt. Es gibt aber praktisch keine andere Möglichkeit, die Belastung des Sees durch das Abwasser von Seeanliegergemeinden ohne zusammengefaßte kommunale Abwassereinleitungen zu erfassen.

Die Untersuchungen und Erhebungen zu den Teilaufgaben 1 und 2 des Arbeitsprogrammes wurden erstmals im Jahre 1961 durchgeführt. Die Diskussion der Ergebnisse ließ erkennen, daß zur Aufstellung einer Stoffbilanz für den See und zur Beantwortung der Frage nach der Herkunft der eutrophierenden Stoffe eine Erweiterung des Arbeitsprogrammes um folgende Teilaufgaben erforderlich ist:

3. Physikalisch-chemische Untersuchungen des Bodenseeabflusses.
4. Chemische Untersuchungen zur Feststellung der natürlichen Grundwerte des BSB₅, des Gesamtstickstoffes und des Gesamtphosphors.
5. Chemische Untersuchungen über die Herkunft des Phosphors.

3. Methodik

Der durch den Arbeitsumfang bedingte Einsatz mehrerer Untersuchungsinstitute verlangte eine strenge Vereinheitlichung der anzuwendenden Untersuchungsvorschriften. Die einzelnen Methoden für die physikalisch-chemischen Wasseruntersuchungen wurden deshalb genau definiert und schriftlich festgehalten. Nach Abschluß der Vorarbeiten wurden den untersuchenden Instituten verschiedenartige Wasserproben zur vergleichenden Analyse zugestellt. Die Ergebnisse dieser Testanalysen waren zufriedenstellend.

Im einzelnen wurden folgende Methoden vorgeschrieben:

Temperatur

Messung an Ort und Stelle auf $0,1^{\circ}\text{C}$ genau.

pH-Wert

Messung im Laboratorium mittels geeichter elektrometrischer Arbeitsgeräte.

Absetzbare Stoffe

Messung im Laboratorium mittels Imhoff-Glas und Ablesung des Absetzvolumens nach 2 Stunden.

Sauerstoff

Bestimmung nach Winkler (Deutsche Einheitsverfahren, 3. Aufl. G 2) nach blasenfreier Abfüllung und Fixierung der Proben an Ort und Stelle.

BSB₅

Bei wenig belasteten Vorflutern Bebrütung der blasenfrei abgefüllten Proben in einem auf 20°C thermostatisierten Wasserbad. Wasser mit einem mutmaßlichen Rest-Sauerstoffgehalt von weniger als 3 mg/l werden mit belüftetem, ausgezehrtem Seewasser entsprechend verdünnt. Berechnung nach Heller (Deutsche Einheitsverfahren, 2. Aufl. H 5).

Kaliumpermanganatverbrauch

Bestimmung nach Kubel-Thiemann mit $0,01\text{ n-KMnO}_4$ -Lösung, erforderlichenfalls bei entsprechender Verdünnung der Probe.

Kjeldahl-Stickstoff

Mikro-Kjeldahl-Aufschluß unter Zusatz von Selen-Katalysator und photometrischer (mit Nessler-Reagens) oder titrimetrischer Bestimmung des Ammoniums im Destillat.

Ammonium-Stickstoff

Photometrische Bestimmung mit Nessler-Reagens im vorbehandelten (filtrierten oder geklärten) Probematerial, Ausmessung der Farbtiefe 30 Min. nach Reagenszugabe.

Nitrit-Stickstoff

Bestimmung nach Griess-Ilosvay-Lunge mit Sulfanilsäure und α -Naphthylamin im vorbehandelten Probematerial, photometrische Ausmessung des gebildeten roten Azofarbstoffes nach 60 Min. Entwicklungszeit.

Nitrat-Stickstoff

Photometrische Bestimmung mit Natriumsalicylat nach Scheringa im vorbehandelten Probematerial.

Gesamt-Stickstoff

Berechnung als Summe von Kjeldahl-Stickstoff und Nitrat-Stickstoff.

Phosphat-Phosphor

Bestimmung nach Wattenberg und Kalle. Reduktion des Molybdän-Komplexes mit Zinn-II-Chlorid im abgesetzten bzw. filtrierten Probematerial.

Gesamt-Phosphor

Bestimmung nach Wattenberg und Kalle nach Mineralisation des organisch gebundenen Phosphors durch Glühen des Abdampfrückstandes des ursprünglichen Probematerials bei 550° C und Hydrolyse der Mineralisationsprodukte unter Zusatz von Salzsäure auf dem Wasserbad.

Chloride

Titration mit Mercurinitrat und Diphenylcarbazon als Endpunktindikator.

Karbonathärte

Titration mit 0,1 n-Salzsäure gegen Methylorange.

Gesamthärte

Titration mit Komplexon und Eriochromschwarz-T als Endpunktindikator.

Anionaktive Detergentien

Methylenblaumethode nach Longwell und Manièce, modifiziert.

Phenol

Photometrische Ausmessung des mit Dibromchinonchlorimid gebildeten blauen Farbstoffes, erforderlichenfalls mit vorangehender Konzentration des Probematerials.

Die Standardlösungen für die photometrischen Messungen, der Standardpuffer, die zur Einstellung der Thiosulfatlösung definierte Bichromatlösung, eine definierte organische P-Verbindung und eine definierte anionaktive Testsubstanz wurden den beteiligten Instituten durch die Eidg. Anstalt für Wasserversorgung, Abwasserreinigung und Gewässerschutz an der ETH Zürich zur Verfügung gestellt.

4. Durchführung

Die 1. Folge von drei Reihenuntersuchungen nach Teilaufgabe 1 des Arbeitsprogrammes wurde im Jahre 1961 durchgeführt. Dabei wurden den folgenden Zuflüssen und Einleitungen Wasserproben entnommen und analysiert:

Am baden-württembergischen Seeufer

durch das Regierungspräsidium Südbaden

Radolfzeller Aach

durch das Staatl. Institut für Seenforschung und Seenbewirtschaftung in Langenargen

Stockacher Aach

Rotach

Seefelder Aach

Schussen

Lipbach

Argen

Am bayerischen Seeufer

durch das Bayer. Landesamt für Wasserversorgung und Gewässerschutz und den Sachverständigen für die chemisch-biologische Gewässerüberwachung bei der Regierung der Oberpfalz

Lindauer Aach

Ablauf der Sammelkläranlage Lindau

Leiblach

Am österreichischen Seeufer

durch die Chemische Versuchsanstalt des Landes Vorarlberg

Leiblach

Dornbirner Ach

Leiblach-Kanal

Lustenauer Kanal

Bregenzer Ach

Alpenrhein

Am schweizerischen Seeufer

durch das Kantonale Laboratorium St. Gallen

Alter Rhein

Steinach

Goldach

Salmsacher Aach

Die 19 Probeentnahmestellen sind im Übersichtsplan (Anl. 1) eingetragen. Die Abflußmeßstellen sind dort ebenfalls angegeben. Soweit für die Abflußmessung keine amtlichen Pegel zur Verfügung standen, mußten Hilfspiegel eingerichtet werden. Die Wasserführung der untersuchten Fließgewässer beträgt zusammen rd. 97% des Gesamtzuflusses zum Bodensee. Die Probeentnahmezeiten und Ergebnisse der physikalischen und chemischen Einzelbestimmungen sind ebenso wie die gemessenen Abflußwerte in den Tabellen 1—60 zusammengestellt. Insgesamt wurden bei den Reihenuntersuchungen an 2550 Wasserproben 34 500 Einzelbestimmungen vorgenommen.

Im Laufe des Jahres 1961 haben auch erstmalig die Erhebungen nach Teilaufgabe 2 programmgemäß in 71 Seegemeinden stattgefunden.

5. Auswertung

Die Auswertung beschränkte sich vorerst auf die Beantwortung der Fragen nach Art und Menge der in den See gelangenden und für seine Veränderung maßgebenden Stoffe. Dabei wurden aus den Untersuchungsergebnissen zu den Teilaufgaben 1 und 2 zunächst nur die Jahresfrachten an BSB₅, Gesamtphosphor und Gesamtstickstoff ermittelt. Eine weitergehende Auswertung, insbesondere zur Klärung der Frage nach der Herkunft der Stoffe, ist erst dann möglich, wenn die Untersuchungen zu den Teilaufgaben 3, 4 und 5 abgeschlossen sind.

Die Auswertung begann damit, daß in den Tabellen 1–60 für jede Probeentnahme das mit 3,6 vervielfachte Produkt aus Stoffkonzentration (mg/l) und Abflußwert (m³/s) gebildet wurde. Es gibt die Stoffmenge an, die zur Zeit der Probeentnahme innerhalb einer Stunde an der Untersuchungsstelle durch den Flußquerschnitt abgeführt worden ist (Stundenfracht in kg/h). Für diejenigen Untersuchungsstellen, an denen deutliche tageszeitliche Schwankungen der gemessenen Stoffkonzentrationen zu beobachten waren, wurde jede Stundenfracht in Abhängigkeit von der Uhrzeit der Probeentnahme in ein Diagramm eingetragen und sodann eine gemittelte Stoffmengenganglinie gebildet. Die von dieser Linie und den Koordinaten umschlossene Fläche entspricht der Stoffmenge, die während der betreffenden 7tägigen Reihenuntersuchung im Durchschnitt an einem Tage in den See gelangt ist (Tagesfracht). Durch Multiplikation des arithm. Mittelwertes aus den drei so gefundenen Tagesfrachten mit 365 wurde die Jahresfracht des betreffenden Stoffes bestimmt. Für die Probeentnahmestellen ohne erkennbare tageszeitliche Konzentrationsschwankungen wurde die Tagesfracht aus dem arithmetischen Mittel aller Stundenfrachtwerte gefunden und dann im gleichen Sinne verfahren.

Die auf diese Weise gefundenen Jahresfrachten der untersuchten Zuflüsse und Einleitungen sind zusammen mit den statistisch ermittelten Jahresfrachten von den Seeanliegergemeinden in Tabelle 61 angegeben. Durch Addition dieser Werte ergeben sich nachstehende jährlich in den See gelangende Stoffmengen.

	BSB ₅	Gesamtstickstoff	Gesamtphosphor
von den phys.-chem. untersuchten Zuflüssen und Einleitungen	27 394 t	15 229 t	1 351 t
von den statistisch erfaßten Seeanliegergemeinden	7 631 t	1 688 t	403 t
	35 025 t	16 917 t	1 754 t

Die Jahresfrachtwerte für die physikalisch-chemisch untersuchten Zuflüsse und Einleitungen enthalten auch die Stoffmengen im Ablauf der Kläranlage Lindau (vergl. Tab. 61). Werden diese den statistisch erfaßten Seeanliegergemeinden zugerechnet, dann ergibt sich nachstehende Verteilung der Jahresfrachten auf die Zuflüsse und Seeanliegergemeinden:

	BSB ₅	Gesamtstickstoff	Gesamtphosphor
physik.-chem. untersuchte Zuflüsse	77%	90%	76%
statistisch erfaßte Seeanliegergemeinden			
zuzügl. Ablauf der Kläranlage Lindau	23%	10%	24%

Der Anteil der einzelnen Zuflüsse an der Gesamtbelastung des Sees ist aus Tabelle 61 ersichtlich.

Untersuchung der Seezuflüsse

Datum	Tageszeit	Wasser- führung		Temperatur	Absetzbare Stoffe		Sauerstoff		BSB ₅	Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionische Detergenzien	Gesamt- Härte °dH	Karbonat- Härte °dH	Bemerkungen					
		m³/s	m³/h	°C	pH	ml/l	mg/l	kg/h	%	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h							
1	20. 2. 61	12.00	11.9	42 840	6.6	7.88	0.15			11.5	492.7	101.8	6.9	295.6	0.67	28.70	0.56	23.99	0.031	1.328	2.07	88.68	2.74	117.38	0.104	4.455	0.147	6.230	12.6	539.8	28.4	1216.7		13.2	11.8	
2		16.00	11.9	42 840	8.0	8.0	0.20			12.4	531.2	113.8	6.9	295.6	0.50	21.42	0.62	26.56	0.030	1.285	2.19	93.82	2.69	115.24	0.086	3.684	0.147	6.230	17.6	754.0	13.9	595.5		13.5	11.8	
3		20.00	11.7	42 120	8.4	7.6	0.15			10.9	459.1	101.0	8.7	371.4	0.34	14.32	0.50	21.06	0.026	1.095	1.15	48.44	1.49	62.76	0.156	6.571	0.208	8.761	14.6	615.0	15.6	657.1		13.7	11.8	
4		24.00	11.5	41 400	7.5	7.7	0.15			10.5	434.7	95.2	8.0	331.2	0.25	10.35	0.39	16.15	0.024	0.994	2.25	93.15	2.50	103.50	0.086	3.560	0.208	8.611	17.4	720.4	19.9	823.9		14.4	11.5	
5	21. 2. 61	04.00	11.7	42 120	6.4	7.7	0.15			10.7	450.7	94.5	4.1	166.9	0.11	4.63	0.34	14.32	0.017	0.716	2.30	96.88	2.41	101.51	0.086	3.622	—	—	16.8	707.6	12.3	518.1		13.5	11.5	
6		08.00	11.0	39 600	6.4	7.7	0.15			10.9	431.6	96.5	3.3	130.7	0.13	5.15	0.37	14.65	0.020	0.792	2.25	89.10	2.38	94.25	0.078	3.089	0.121	4.792	17.6	697.0	14.4	570.2		13.6	11.8	
7		12.00	10.9	39 240	7.0	7.8	0.20			10.0	392.4	89.4	7.7	302.1	0.59	23.15	0.60	23.54	0.027	1.059	2.42	94.96	3.01	118.11	0.104	4.081	0.242	9.496	23.0	902.5	15.0	588.6		13.8	11.8	
8		16.00	11.3	40 680	7.3	7.8	0.15			11.4	463.8	94.0	4.8	195.3	0.14	5.70	0.58	23.59	0.031	1.261	2.42	98.45	2.56	104.15	0.104	4.231	0.208	8.461	21.8	886.8	18.3	744.4		13.8	11.8	
9		20.00	11.9	42 840	7.6	7.9	0.15			11.3	484.1	102.8	4.8	205.6	0.08	3.43	0.44	18.85	0.032	1.371	2.42	103.67	2.50	107.10	0.086	3.684	—	—	18.8	805.4	16.2	694.0		13.9	11.5	
10		24.00	11.0	39 600	7.0	7.9	0.15			10.1	400.0	90.5	6.6	261.4	0.20	7.92	0.51	20.20	0.029	1.148	2.42	95.93	2.62	103.75	0.086	3.406	0.113	4.475	18.0	712.8	14.1	558.4		13.9	11.5	
11	22. 2. 61	04.00	11.0	39 600	6.4	7.8	0.15			10.7	423.7	94.5	4.1	162.4	0.48	19.01	0.26	10.30	0.022	0.871	2.48	98.21	2.96	117.22	0.086	3.406	—	—	17.5	693.0	18.3	724.7		13.8	11.2	
12		08.00	11.0	39 600	6.0	7.9	0.15			10.7	423.7	93.4	2.2	87.1	0.62	24.55	0.27	10.69	0.021	0.832	2.48	98.21	3.10	122.76	0.069	2.732	—	—	17.5	693.0	12.3	487.1		13.9	11.2	
13		12.00	10.8	38 880	6.3	7.9	0.50			11.5	447.1	101.6	16.5	641.5	0.64	24.88	0.82	31.88	0.028	1.089	2.48	96.42	3.12	121.30	0.113	4.393	0.147	5.715	19.6	762.1	20.5	797.0		13.7	11.2	
14		16.00	10.8	38 880	7.3	7.9	0.25			11.7	454.9	106.0	13.7	532.7	0.50	19.44	0.59	22.94	0.033	1.283	2.48	96.42	2.98	115.86	0.113	4.393	0.130	5.054	21.6	839.8	16.2	629.9		13.8	11.2	
15		20.00	10.7	38 520	7.6	7.9	0.80			10.5	404.5	95.5	6.6	254.3	0.42	16.18	0.49	18.88	0.031	1.194	2.37	91.29	2.79	107.47	0.043	1.656	0.121	4.661	18.0	693.4	13.9	535.4		13.6	11.2	
16		24.00	10.7	38 520	7.6	7.9	0.35			10.3	396.8	93.6	6.6	254.3	0.42	16.18	0.53	20.42	0.026	1.002	2.37	91.29	2.79	107.47	0.086	3.313	0.104	4.006	19.2	739.6	13.3	512.3		13.9	11.2	
17	23. 2. 61	04.00	10.5	37 800	6.5	7.8	0.10			10.4	393.1																									

Datum	Tageszeit	Wasserführung		Temperatur	Absetzbare Stoffe		Sauerstoff		Sättigung	BSB ₅		Kjeldahl-N		Ammonium-N		Nitrit-N		Nitrat-N		Gesamt-N		Anorganischer (Phosphat) P		Gesamt-P		Chlorid Cl		KMnO ₄ -Verbrauch		Anionische Detergentien	Gesamt-Härte °dH	Karbonat-Härte °dH	Bemerkungen
		m³/s	m³/h	°C	pH	ml/l	m³/h	mg/l	kg/h	%	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h			
1	21. 8. 61	16.00	16.0	57 600	16.2	7.30	0.80	9.7	558.7	106.0	10.7	616.3	0.87	50.11	0.33	19.01	0.059	3.40	2.19	126.14	3.06	176.25	0.086	4.954	0.173	9.965	22.9	1319.0	12.3	708.5			
2		20.00	16.3	58 680	15.4	7.35	0.60	8.6	504.7	93.0	9.8	575.1	1.82	48.12	0.87	51.05	0.071	4.17	1.61	94.47	3.43	142.59	0.086	5.046	0.260	15.267	25.1	1472.9	15.8	927.1			
3		24.00	16.6	59 760	14.2	7.40	0.40	8.9	531.9	94.0	9.5	567.7	0.82	49.00	0.16	9.56	0.043	2.57	1.73	103.38	2.55	152.38	0.095	5.677	0.208	12.430	18.8	1123.5	12.0	717.1			
4	22. 8. 61	04.00	16.2	58 320	13.5	7.30	0.30	9.7	565.7	101.0	3.4	198.3	0.75	43.74	0.09	5.25	0.029	1.69	1.73	100.89	2.48	144.63	0.104	6.065	0.424	24.728	15.8	921.5	12.4	723.1			
5		07.00	16.2	58 320	13.3	7.55	0.30	9.0	524.9	93.5	2.8	163.3	0.62	36.16	0.07	4.08	0.023	1.34	1.73	100.89	2.35	137.05	0.104	6.065	0.251	14.638	15.6	909.8	8.9	519.1			
6		11.00	16.6	59 760	14.1	7.50	0.50	10.7	639.4	112.5	9.1	543.8	1.00	59.76	0.27	16.14	0.036	2.15	1.73	103.38	2.73	163.14	0.086	5.139	0.234	13.984	15.6	932.3	10.0	597.6			
7		15.00	16.6	59 760	15.2	7.65	0.55	9.5	567.7	102.2	5.0	298.8	1.19	71.11	0.27	16.14	0.041	2.45	1.73	103.38	2.92	174.49	0.130	7.769	0.312	18.645	18.2	1087.6	10.0	597.6			
8		19.00	16.3	58 680	15.4	7.60	0.50	8.8	516.4	95.0	3.3	193.6	1.13	66.31	0.32	18.78	0.041	2.41	1.73	101.52	2.86	167.83	0.113	6.631	0.268	15.725	19.8	1161.9	9.2	539.9			
9		23.00	16.0	57 600	14.0	7.40	0.45	8.7	501.1	91.5	3.6	207.4	0.64	36.86	0.18	10.37	0.041	2.36	1.56	89.86	2.20	126.72	0.095	5.472	0.270	15.552	17.8	1025.3	8.5	489.6			
10	23. 8. 61	03.00	15.9	57 240	13.4	7.30	0.40	9.1	520.9	94.0	4.9	280.5	0.65	37.21	0.29	16.60	0.038	2.18	1.54	88.15	2.19	125.36	0.078	4.465	0.277	15.855	18.6	1064.7	7.6	435.0			
11		06.00	15.7	56 520	13.2	7.40	0.25	9.5	536.9	98.0	2.8	158.3	0.59	33.35	0.12	6.78	0.030	1.70	1.61	91.00	2.20	124.35	0.086	4.861	0.121	6.839	17.4	983.5	7.3	412.6			
12		10.00	15.7	56 520	14.0	7.35	0.50	9.3	525.6	97.5	4.7	265.6	0.68	38.43	0.23	13.00	0.038	2.15	1.56	88.17	2.24	126.60	0.078	4.409	0.147	8.308	18.0	1017.4	7.6	429.6			
13		14.00	15.7	56 520	15.0	7.40	0.55	9.5	536.9	102.0	4.6	260.0	0.81	45.78	0.43	24.30	0.051	2.88	1.66	93.82	2.47	139.60	0.095	5.369	0.173	9.778	20.5	1158.7	7.6	429.6			
14		18.00	15.4	55 440	15.2	7.40	0.60	9.5	526.7	103.0	7.1	393.6	0.80	44.35	0.28	15.52	0.042	2.33	1.68	93.14	2.48	137.49	0.113	6.265	0.242	13.416	16.6	920.3	7.6	421.3			
15		22.00	15.4	55 440	14.2	7.20	0.60	8.7	482.3	92.0	7.3	404.7	0.97	53.78	0.48	26.61	0.044	2.44	1.52	84.27	2.49	138.05	0.061	3.382	0.200	11.088	20.0	1108.8	7.3	404.7			
16	24. 8. 61	02.00	15.4	55 440	13.7	7.20	0.30	9.3	515.6	97.0	6.8	377.0	0.62	34.37	0.27	14.97	0.032	1.77	1.68	93.14	2.30	127.51	0.069	3.825	0.260	14.414	17.4	964.7	6.6	365.9			
17		05.00	15.2	54 720	13.4	7.20	0.15	9.4	514.4	97.5	2.0	109.4	0.49	26.81	0.11	6.02	0.020	1.09	1.36	74.42	1.85	101.23	0.078	4.268	0.190	10.397	18.0	985.0	6.6	361.2			
18		09.00	15.1	54 360	13.3	7.30	0.20	9.6	521.9	99.5	4.3	233.7	0.49	26.64	0.06	3.26	0.020	1.08	1.50	81.54	1.99	108.18	0.086	4.675	0.208	11.307	16.6	902.4	6.3	342.5			
19		13.00	14.9	53 640	14.3	7.35	0.40	9.7	520.3	102.5	5.4	289.7	0.85	45.59	0.32	17.16	0.038	2.04	1.52	81.53	2.37	127.12	0.095	5.096	0.199	10.674	17.5	938.7	7.3	391.6			
20		17.00	14.8	53 280	15.3	7.30	0.45	10.3	548.8	111.0	6.5	346.3	0.85	45.29	0.31	16.52	0.041	2.18	1.66	88.44	2.51	133.73	0.086	4.582	0.251	13.373	15.9	847.2	7.0	373.0			
21		21.00																															

Untersuchung der Seezuflüsse

Radolfzeller Aach

(= Singener Aach) Brücke Bohlingen

Regierungspräsidium Südbaden

Abt. Wasserwirtschaft, Freiburg i. Br.

	Datum	Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe			Sauerstoff		Sättigung %	BSB ₅		Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionische Detergentien	Gesamt- Härte °dH	Karbonat- Härte °dH	Bemerkungen
			m³/s	m³/h		pH	ml/l	m³/h	mg/l	kg/h		mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h				
1	27. 11. 61	12-16	5.72	20 592	7.85	0.1			12.0	247.1		8.0	164.7	1.31	27.00	1.06	21.83	0.062	1.360	2.42	49.83	3.73	76.83	0.043	0.885	0.616	12.684	22.8	469.5	14.2	292.4				
2		16-20	5.30	19 080	7.90	0.1			10.5	200.3		6.2	118.3	1.64	31.29	1.34	25.57	0.082	1.565	2.42	46.17	4.06	77.46	0.069	1.316	0.600	11.448	29.9	570.5	11.3	215.6				
3		20-24	5.30	19 080	7.90	0.1			11.0	209.9		5.5	104.9	1.25	23.85	0.98	18.70	0.074	1.412	2.30	43.88	3.55	67.73	0.190	3.625	0.600	11.448	25.5	486.5	13.9	265.2				
4	28. 11. 61	00-04	4.98	17 928	7.85	0.1			10.6	190.0		4.3	77.1	1.38	24.74	1.05	18.82	0.083	1.488	2.53	45.36	3.91	70.10	0.147	2.635	0.282	5.056	30.6	548.6	11.3	202.6				
5		04-08	4.88	17 568	7.88	0.1			11.1	195.0		4.6	80.8	1.34	23.54	0.93	16.34	0.073	1.282	2.53	44.45	3.87	67.99	0.130	2.284	0.334	5.868	29.5	518.3	10.0	175.7				
6		08-12	4.68	16 848	7.90	0.1			10.3	173.5		3.8	64.0	0.95	16.01	0.65	10.95	0.062	1.044	2.53	42.63	3.48	58.64	0.147	2.477	0.563	9.485	28.5	480.2	8.6	144.9				
7		12-16	5.20	18 720	7.95	0.1			10.6	198.4		4.5	84.2	1.12	20.97	0.95	17.78	0.075	1.404	2.53	47.36	3.65	68.33	0.156	2.920	0.651	12.187	27.4	512.9	10.0	187.2				
8		16-20	5.30	19 080	7.75	0.1			11.2	213.7		4.7	89.7	1.34	25.57	1.18	22.51	0.082	1.565	2.53	48.27	3.87	73.84	0.182	3.473	0.334	6.373	31.6	602.9	11.1	211.8				
9		20-24	5.41	19 476	7.80	0.1			11.0	214.2		6.4	124.6	1.24	24.15	1.22	23.76	0.086	1.675	2.60	50.64	3.84	74.79	0.199	3.876	0.739	14.393	33.0	642.7	14.0	272.7				
10	29. 11. 61	00-04	5.51	19 836	7.75	0.1			11.1	220.2		8.7	172.6	1.05	20.83	0.87	17.26	0.085	1.686	2.30	45.62	3.35	66.45	0.156	3.094	0.598	11.862	28.0	555.4	11.1	220.2				
11		04-08	5.72	20 592	7.70	0.1			11.7	240.9		3.1	63.8	0.57	11.74	0.48	9.88	0.051	1.050	2.30	47.36	2.87	59.10	0.147	3.027	0.299	6.157	31.8	654.8	9.3	191.5				
12		08-12	5.09	18 324	7.50	0.1			9.6	175.9		3.9	71.5	0.76	13.93	0.68	12.46	0.056	1.026	2.53	46.36	3.29	60.29	0.139	2.547	0.334	6.120	36.2	663.3	7.9	144.8				
13		12-16	5.95	21 420	7.60	0.1			10.8	231.3		2.2	47.1	1.23	26.35	0.96	20.56	0.070	1.499	2.83	60.62	4.06	86.97	0.121	2.592	0.387	8.290	40.0	856.8	12.9	276.3				
14		16-20	5.62	20 232	7.65	0.1			11.8	238.7		7.0	141.6	1.52	30.75	1.17	23.67	0.076	1.538	2.88	58.27	4.40	89.02	0.199	4.026	0.669	13.535	44.5	900.3	16.1	325.7				
15		20-24	5.84	21 024	7.65	0.1			12.3	258.6		10.6	222.9	2.30	48.36	1.58	33.22	0.085	1.787	2.76	58.03	5.06	106.39	0.156	3.280	0.493	10.365	30.4	639.1	20.8	437.3				
16	30. 11. 61	00-04	5.51	19 836	7.65	0.1			11.8	234.1		6.8	134.9	1.72	34.12	1.26	24.99	0.078	1.547	2.83	56.14	4.55	90.26	0.139	2.757	0.317	6.288	33.6	666.5	18.6	368.9				
17		04-08	5.30	19 080	7.70	0.1			12.4	236.6		5.2	99.2	0.89	16.98	0.85	16.22	0.060	1.145	2.88	54.95	3.77	71.93	0.121	2.309	0.493	9.406	31.6	602.9	14.2	270.9				
18		08-12	5.09	18 324	7.70	0.1			12.4	227.2		5.5	100.8	0.89	16.31	0.73	13.38	0.054	0.989	2.83	51.86	3.72	68.17	0.130	2.382	0.458	8.392	31.8	582.7	13.3	243.7				
19		12-16	5.62	20 232	7.75	0.1			11.2	226.6		5.9	119.4	1.20	24.28	0.95	19.22	0.068	1.376	2.94	59.48	4.14	83.76	0.156	3.156	0.246	4.977	33.6	679.8	13.9	281.2				

Untersuchung der Seezuflüsse

Schussen

Staatl. Institut für Seenforschung

Langenargen

	Datum	Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe		Sauerstoff		Sättigung %	BSB ₅		Kjeldahl- N 1		Ammonium- N 2		Nitrit- N 3		Nitrat- N 4		Gesamt- N 1+4		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionische Detergentien		Bemerkungen			
			m³/s	m³/h		pH	ml/l	m³/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h				
1	16.2.61	05.45	12.45	44 820	4.5	7.70	0.40	17.9	10.8	484.1	91	9.2	412	—	—	1.35	60.5	0.033	1.5	1.59	71.3	—	—	0.051	2.30	0.180	8.10	14.8	663.3	65	2913	0.1	4.5	19.7	14.7	Abwasserpilze
2		09.00	12.05	43 380	4.0	7.80	0.30	13.0	10.4	451.2	87	5.5	238	—	—	1.25	54.2	0.026	1.1	1.48	64.2	—	—	0.038	1.70	0.132	5.70	13.4	581.3	80	3470	0.1	4.3	19.8	14.7	
3		12.45	12.05	43 380	4.8	7.70	0.40	17.4	11.0	477.2	93	10.9	473	1.20	52.1	0.28	12.1	0.040	1.65	1.94	84.2	3.14	136.2	0.089	3.86	0.209	9.07	13.3	577.0	82	3560	Spur		17.6	14.4	
4		16.40	12.05	43 380	5.2	7.70	0.30	13.0	10.4	451.2	89	8.9	386	1.23	53.4	0.78	33.8	0.033	1.48	2.06	89.4	3.29	142.7	0.062	2.69	0.167	7.24	13.7	594.3	104	4511	0.2	8.7	16.8	14.4	
5		20.50	12.05	43 380	5.2	7.85	0.55	23.9	10.3	446.8	88	8.7	377	2.47	107.1	0.60	26.0	0.040	1.73	2.26	98.0	4.73	205.2	0.087	3.77	0.367	15.90	15.0	659.7	66	2863	0.1	4.3	18.8	14.4	
6	17.2.61	00.50	11.80	42 480	5.0	7.90	0.30	12.7	9.0	382.3	77	4.2	178	1.86	79.0	0.52	22.1	0.049	2.08	2.16	91.8	4.02	170.8	0.081	3.44	0.502	21.32	15.6	662.7	82	3483	Spur		17.1	14.3	
7		05.00	11.13	40 068	4.8	8.00	0.30	12.0	10.1	404.7	86	6.8	272	1.44	57.7	0.56	22.4	0.037	1.48	2.12	84.9	3.56	142.6	0.054	2.16	0.190	7.61	15.4	617.0	77	3085	Spur		21.0	14.9	
8		09.00	9.80	35 280	4.6	7.85	0.25	8.8	10.4	366.9	88	0.6	21	0.92	32.5	0.35	12.2	0.030	1.06	2.26	79.7	3.18	112.2	0.037	1.31	0.142	5.01	14.8	522.1	72	2540	0.1	3.5	20.4	14.6	
9		12.40	10.68	38 448	5.6	7.55	0.55	21.2	9.0	346.0	78	14.3	549	1.19	45.8	0.33	12.7	0.043	1.65	2.04	78.4	3.23	124.2	0.094	3.61	0.290	11.15	14.5	557.5	108	4152	Spur		19.9	14.7	
10		16.30	11.13	40 068	6.4	7.70	0.55	22.0	10.5	420.7	93	7.5	300	1.02	40.9	0.30	12.0	0.031	1.24	2.08	8.33	3.10	124.2	0.050	2.00	0.168	6.73	16.5	661.1	59	2364	Spur		18.8	14.6	
11		20.50	11.38	40 968	5.2	7.80	0.25	10.2	9.3	381.0	80	10.4	426	2.68	109.8	0.51	20.9	0.038	1.53	2.06	82.5	4.74	190.0	0.066	2.64	0.209	8.37	15.5	621.0	89	3566	0.1	4.9	16.8	14.4	
12	18.2.61	00.50	11.38	40 968	5.2	7.80	0.45	18.4	9.6	393.3	82	7.7	315	2.43	99.6	0.44	18.0	0.036	1.47	2.20	90.1	4.63	189.6	0.048	1.97	0.202	8.28	14.0	573.6	79	3236	0.2	8.2	17.5	14.6	
13		05.00	11.13	40 068	5.0	7.90	0.50	20.0	8.8	352.6	75	4.4	176	1.00	40.1	0.60	24.0	0.042	1.68	1.90	76.1	2.90	116.2	0.058	2.32	0.186	7.45	15.0	601.0	66	2644	0.2	8.0	19.3	14.5	
14		09.00	9.80	35 280	4.7	8.00	0.40	14.1	10.6	373.9	90	3.4	119	0.86	30.3	0.17	6.0	0.031	1.09	2.12	74.8	2.98	105.1	0.044	1.55	0.130	4.59	13.9	490.4	57	2011	0.1	3.5	21.0	14.2	
15		12.50	10.05	36 180	5.2	7.70	0.55	19.9	9.2	332.8	79	13.1	473	1.65	59.7	0.36	13.0	0.049	1.77	2.06	74.5	3.71	134.2	0.123	4.45	0.268	9.69	15.0	542.7	97	3509	0.1	3.6	16.8	14.7	
16		16.30	10.30	37 080	5.8	7.20	0.10	3.7	9.7	359.7	82	8.1	300	1.51	56.0	0.28	10.4	0.038	1.41	2.24	83.1	3.75	139.0	0.045	1.67	0.130	4.82	15.7	582.1	81	3003	0.2	7.4	16.8	14.8	
17		20.50	9.80	35 280	5.1	8.20	0.40	14.1	9.2	324.6	79	6.5	229	0.90	31.8	0.48	16.9	0.035	1.24	2.36	83.3	3.26	115.0	0.057	2.01	0.277	9.77	14.7	518.6	69	2434	0.3	10.6	16.7	14.3	
18	19.2.61	00.50	10.30	37 080	5.0	7.95	0.35	13.0	—	—	—	6.6	244	1.00	37.1	0.52	19.3	0.037	1.37	2.32	86.0	3.32	123.1	0.037	1.37	0.193	7.15									

Untersuchung der Seezuflüsse

Datum		Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe		Sauerstoff		BSB ₅	Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionaktive Detergentien	Gesamt- Härte °dH	Karbonat- Härte °dH	Bemerkungen			
			m³/s	m³/h		pH	ml/l	m³/h	mg/l		kg/h	% Sättigung	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h					mg/l	kg/h	mg/l
1	26. 6. 61	02.05	5.00	18 000	19.8	7.3	0.5	9.00	5.1	92	60	6.1	110	0.66	11.9	1.10	19.8	0.094	1.69	1.38	24.8	2.04	36.7	0.162	2.92	0.319	5.74	16.4	295.2	63.7	1147				
2		05.26	5.00	18 000	18.8	7.3	0.2	3.60	5.6	101	65	3.8	68	1.52	27.4	1.19	21.4	0.103	1.85	1.44	25.9	2.96	53.3	0.176	3.17	0.266	4.79	12.8	230.4	38.8	698				
3		09.10	5.35	19 260	19.0	7.2	0.5	9.63	5.5	106	64	6.6	127	0.94	18.1	1.44	27.7	0.126	2.43	1.58	30.4	2.52	48.5	0.221	4.26	0.453	8.72	12.8	246.5	58.0	1117				
4		13.05	6.00	21 600	20.6	7.4	0.3	6.48	6.4	138	77	3.8	82	0.77	16.6	2.12	45.8	0.093	2.01	1.67	36.1	1.44	31.1	0.156	3.37	0.084	1.81	13.9	300.2	70.2	1516				
5		17.20	7.21	25 956	21.9	7.1	0.9	23.36	4.5	117	55	10.8	280	1.64	42.6	0.83	21.5	0.125	3.24	1.62	42.0	3.26	84.6	0.202	5.24	0.542	14.07	19.3	501.0	88.4	2295				
6		21.25	8.00	28 800	20.6	7.1	1.9	54.72	3.4	98	41	12.7	366	2.34	67.4	0.68	19.6	0.167	4.81	1.33	38.3	3.67	105.7	0.258	7.43	0.649	18.69	22.4	645.1	76.7	2209				
7	27. 6. 61	01.55	10.45	37 620	19.4	7.2	2.2	83.76	3.7	139	43	17.3	651	3.98	149.7	0.91	34.2	0.143	5.38	1.24	46.6	5.22	196.4	0.162	6.09	0.943	35.48	9.0	338.6	106.5	4007	0.3	11.3	19.6	13.5
8		05.55	8.20	29 520	18.4	7.7	0.5	14.76	5.4	159	62	9.2	272	2.74	80.9	0.70	20.7	0.110	3.25	1.62	47.8	4.36	128.7	0.140	4.13	0.394	11.63	18.6	549.1	83.7	2471				
9		09.55	7.81	28 116	19.4	7.2	0.1	2.81	4.9	138	57	6.5	183	1.26	35.4	0.71	20.0	0.101	2.84	1.22	34.3	2.48	69.7	0.083	2.33	0.071	2.00	20.2	567.9	103.3	2904				
10		14.00	7.81	28 116	19.9	7.1	0.1	2.81	4.8	135	57	6.5	183	0.44	12.4	0.72	20.2	0.093	2.61	1.26	35.4	1.70	47.8	0.111	3.12	0.066	1.86	27.6	776.0	99.4	2795				
11		18.25	8.80	31 680	19.1	6.6	1.7	53.86	3.2	101	37	9.4	298	2.47	78.2	0.21	6.7	0.116	3.67	1.58	50.1	4.05	128.3	0.184	5.83	0.329	10.42	21.4	678.0	99.7	3158				
12		22.55	9.00	32 400	—	6.9	0.8	25.9	3.7	120	—	8.5	275	3.31	107.2	0.37	12.0	0.103	3.34	1.00	32.4	4.31	139.6	0.234	7.58	0.421	13.64	24.3	787.3	100.0	3240				
13	28. 6. 61	03.30	9.00	32 400	—	7.0	0.8	25.9	4.4	143	—	3.5	113	2.99	96.9	0.46	14.9	0.097	3.14	1.23	39.9	4.22	136.7	0.092	2.98	0.474	15.36	21.7	703.1	89.5	2900	0.3	9.7	—	14.1
14		07.15	8.80	31 680	16.5	7.2	0.5	15.84	5.4	171	60	2.1	67	2.24	71.0	0.63	20.0	0.090	2.85	1.21	38.3	3.45	109.3	0.116	3.67	0.291	9.22	18.7	592.4	80.4	2547				
15		10.55	8.80	31 680	17.1	7.1	1.0	31.68	5.0	158	51	8.5	269	2.52	79.8	0.38	12.0	0.109	3.45	1.10	34.8	3.62	114.7	0.054	1.71	0.519	16.44	21.7	687.5	96.9	3070				
16		14.55	9.20	33 120	18.2	7.6	0.2	6.62	5.8	192	66	5.4	179	1.33	44.0	0.56	18.5	0.081	2.68	1.39	46.0	2.72	90.1	0.115	3.81	0.618	20.47	22.3	738.6	66.8	2212				
17		19.30	9.20	33 120	18.1	7.5	1.0	33.12	7.7	255	88	5.0	166	1.32	43.7	0.56	18.5	0.079	2.62	1.19	39.4	2.51	83.1	0.147	4.87	0.449	14.87	17.5	579.6	77.1	2554				
18		23.45	8.40	30 240	16.8	7.7	0.1	3.02	4.6	139	51	5.7	172	1.46	44.2	0.78	23.6	0.096	2.90	1.25	37.8	2.71	82.0	0.174	5.26	0.350	10.58	15.3	462.7	84.7	2561				
19	29. 6. 61	04.20	7.41	26 676	15.6	7.4	0.5	13.34	5.7	152	62	3.2	85	1.65	44.0	0.59	15.7	0.084	2.24	1.22	32.5	2.87	76.6	0.128	3.41	0.332	8.86	14.9	397.5	70.0	1867	0.3	8.0	17.2	14.6
20		08.10	6.35	22 860	15.4	7.5	0.1	2.29	6.7	153	72	3.1	71	2.06	47.1	0.62	14.2	0.079	1.81	1.30	29.7	3.36	76.8	0.136	3.11	0.211	4.82	13.3	304.0	67.6	1545				
21		11.55	6.88	24 768	17.3	7.4	0.5	12.38	6.5	161	73	6.5	161	0.73	18.1	0.76	18.8	0.093	2.30	1.49	36.9	2.22	59.0	0.140	3.47	0.397	9.83	15.5	383.9	75.9	1880				
22		15.45	7.05	25 380	19.7	7.4	0.1	2.54	5.1	129	60	8.1	206	2.13	54.1	0.79	20.1	0.115	2.92	1.18	29.9	3.31	84.0	0.091	2.31	0.307	7.79	16.9	428.9	100.7	2556				
23		20.15	7.05	25 380	18.2	7.3	0.8	20.30	4.3	109	49	7.7	195	13.88	352.3	0.79	20.1	0.121	3.07	0.82	20.8	14.70	375.1	0.118											

Untersuchung der Seezuflüsse

Probeentnahmestelle:

Schussen

Okt. – Nov. 1961

Untersuchendes Institut

Staatl. Institut für Seenforschung

Langenargen

Datum	Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe			Sauerstoff		Sättigung %	BSB ₅		Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionische Detergentien mg/l kg/h	Gesamt- Härte °dH	Karbonat- Härte °dH	Bemerkungen	
		m³/s	m³/h		pH	ml/l	m³/h	mg/l	kg/h		mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h					mg/l
1	30.10.61	01.20	4.28	15 048	8.5	7.7	0.5	7.7	3.6	55.5	33	5.9	90.9	2.50	38.5	1.02	15.7	0.087	1.34	0.78	12.0	3.28	50.5	0.121	1.86	0.302	4.65	27.4	422.2	126	1941				
2		05.10	4.13	14 868	9.1	7.7	0.1	1.5	3.6	53.5	34	5.0	74.3	2.07	30.8	1.02	15.2	0.074	1.10	0.78	11.6	2.85	42.4	0.127	1.89	0.284	4.22	22.6	336.0	71	1056				
3		09.10	4.13	14 868	9.0	7.6	<0.1	<1.5	5.8	86.2	55	6.2	92.2	2.11	31.4	1.19	17.7	0.088	1.31	0.85	12.6	2.96	44.0	0.123	1.83	0.255	3.79	24.2	359.8	83	1234				
4		13.20	4.86	17 496	9.3	7.6	<0.1	<1.7	6.7	117.2	63	1.1	19.2	1.93	33.8	1.02	17.8	0.085	1.49	0.98	17.1	2.91	50.9	0.127	2.22	0.352	6.16	13.0	227.4	50	875				
5		17.30	4.86	17 496	9.5	7.8	0.2	3.5	6.2	108.4	59	4.8	84.0	2.67	46.7	0.98	17.1	0.079	1.38	1.03	18.0	3.70	64.7	0.111	1.94	0.318	5.56	17.8	311.4	90	1575				
6		21.00	5.00	18 000	9.2	7.6	<0.1	<1.8	5.4	97.2	51	4.3	77.4	2.44	43.9	1.05	18.9	0.086	1.55	0.67	12.1	3.11	56.0	0.133	2.39	0.514	9.25	23.8	428.4	78	1404				
7	31.10.61	02.20	4.42	15 912	8.4	7.8	0.3	4.8	3.8	60.5	35	9.2	146.4	0.67	10.7	2.14	34.1	0.089	1.42	0.87	13.8	1.54	24.5	0.251	4.00	0.612	9.74	30.0	477.4	88	1400	0.3	4.8	17.6	15.9
8		06.10	4.28	15 408	9.3	7.7	<0.1	<1.5	4.2	64.7	40	5.3	81.7	0.68	10.5	1.61	24.8	0.095	1.46	0.91	14.0	1.59	24.5	0.294	4.53	0.645	9.94	25.6	394.4	86	1325				
9		10.15	4.28	15 408	9.3	7.7	0.1	1.5	5.0	77.0	47	4.1	63.2	3.13	48.2	1.49	22.9	0.105	1.62	0.66	10.2	3.79	58.4	0.274	4.22	0.559	8.61	37.8	582.4	62	955				
10		14.10	4.72	16 992	10.0	7.8	<0.1	<1.7	5.4	91.8	51	3.0	51.0	1.78	30.2	1.05	17.8	0.081	1.38	0.77	13.1	2.55	43.3	0.240	4.09	0.466	7.92	29.2	496.2	56	952				
11		18.10	5.00	18 000	9.6	7.6	0.1	1.8	5.5	99.0	52	5.1	91.8	1.98	35.6	1.37	24.7	0.086	1.55	0.89	16.0	2.87	51.7	0.135	2.43	0.494	8.89	27.2	489.6	73	1314				
12		21.45	5.18	18 648	9.0	7.7	0.1	1.9	4.4	82.1	41	8.3	154.8	1.94	36.2	1.02	19.0	0.100	1.86	0.63	11.7	2.57	47.9	0.162	3.02	0.689	12.84	26.8	499.7	96	1790				
13	1.11.61	03.00	4.72	16 992	9.1	7.5	0.1	1.7	3.8	64.6	36	7.3	124.0	2.07	35.2	1.01	17.2	0.075	1.27	0.45	7.6	2.52	42.8	0.236	4.01	0.473	8.04	28.8	489.4	88	1495	0.3	5.1	17.6	15.9
14		07.05	3.85	13 860	8.9	7.7	0.2	2.8	4.1	56.8	38	7.9	109.5	1.67	23.1	0.72	10.0	0.068	0.94	0.65	9.0	2.32	32.2	0.216	3.00	0.431	5.97	30.4	421.3	71	984				
15		11.05	4.13	14 868	9.0	7.8	0.3	4.5	4.6	68.4	43	7.5	111.5	2.79	41.5	1.35	20.1	0.093	1.38	0.75	11.2	3.54	52.6	0.249	3.70	0.485	7.21	28.2	419.3	59	877				
16		15.15	4.28	15 408	9.4	7.8	0.1	1.5	6.0	92.4	57	5.5	84.7	1.91	29.4	1.01	15.6	0.122	1.88	0.91	14.0	2.94	45.3	0.207	3.19	0.404	6.22	27.4	422.2	22.7	350				
17		19.15	4.28	15 408	9.4	7.6	0.1	1.5	6.2	95.5	59	6.3	97.1	2.38	36.7	0.89	13.7	0.106	1.63	0.79	12.2	3.28	50.5	0.131	2.02	0.287	4.42	26.2	403.7	76.8	1183				
18		22.40	4.13	14 868	9.0	7.8	<0.1	<1.5	5.7	84.7	54	5.9	87.7	2.52	37.5	0.94	14.0	0.098	1.46	0.73	10.9	3.25	48.3	0.123	1.83	0.248	3.69	25.0	371.7	91.9	1366				
19	2.11.61	04.30	3.85	13 860	8.1	7.7	0.2	2.8	5.6	77.6	52	8.2	113.6	2.63	36.5	0.97	13.4	0.064	0.89	0.53	7.3	3.16	43.8	0.155	2.15	0.306	4.24	26.8	371.4	129	1787	0.2	2.8	17.9	15.2
20		08.10	3.45	12 420	8.4	7.7	0.1	1.2	6.3	78.2	58	5.4	67.1	1.70	21.1	0.86	10.7	0.059	0.73	0.75	9.3	2.45	30.4	0.161	2.00	0.319	3.96	25.8	320.4	11.0	137				
21		12.30	4.06	14 616	8.7	7.7	<0.1	<1.5	5.9	86.2	55	6.1	89.7	3.25	47.5	1.05	15.3	0.108	1.58	0.66	9.6	4.02	58.8	0.136	1.99	0.390	5.70	29.0	423.9	83.7	1223				
22		16.10	4.28	15 408	9.0	7.8	0.1	1.5	6.9	106.3	65	7.3	112.5	2.11	32.5	1.09	16.8	0.125	1.93	0.95	14.6	3.19	49.2	0.179	2.76	0.305	4.70	26.8	412.9	91.9	1416				
23		20.30	4.28	15 408	8.3	7.7	<0.1	<1.5	6.2	95.5	57	5.6	86.3	1.75	27.0	1.08	16.6	0.127	1.96	1.03	15.9	2.91	44.8	0.123	1.90	0.265	4.08	25.4	391.3	72.4	1116				
24		23.35	4.57	16 452	8.0	7.7	0.1	1.6	5.1	83.9	47	6.3	103.6	2.59	42.6	1.60	26.3	0.133	2.19	0.88	14.5	3.60	59.2	0.171	2.81	0.341	5.61	24.6	404.7	77.4	1273				
25	3.11.61	05.10	3.75	13 500	7.4	7.6	0.5	6.7	10.7	144.5	97	11.5	155.3	3.0																					

Untersuchung der Seezuflüsse

Datum	Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe			Sauerstoff		Sättigung %	BSB ₅		Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionaktive Detergentien	Gesamt- Härte °dH	Karbonat- Härte °dH	Bemerkungen		
		m³/s	m³/h		pH	ml/l	m³/h	mg/l	kg/h		mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h						
1	16. 2. 61	05.30	32.90	118 440	3.8	8.10	0.15 17.8	13.0	1539	107	4.5	533	0.20	23.7	0.29	34.3	0.010	1.18	0.68	80.5	0.88	104.2	0.017	2.01	0.085	10.10	3.4	402.6	31	3671	Spur	14.0	12.8			
2		09.30	31.95	115 020	3.8	8.10	0.10 11.5	14.0	1610	116	0.7	80	0.05	5.7	0.50	57.5	0.006	0.69	0.64	73.6	0.69	79.4	0.010	1.15	0.062	7.13	3.2	368.0	31	3671	Spur	16.2	12.4			
3		13.20	31.10	111 960	5.2	8.05	0	0	13.3	1849	114	0.8	90	0.43	48.0	0.04	4.5	0.008	0.89	1.11	124.2	1.54	172.4	0.009	1.01	0.035	3.92	3.1	347.0	35	3918	Spur	16.2	11.9		
4		17.30	30.25	108 900	5.1	8.05	0.05 5.4	13.2	1437	113	0		0.25	27.2	0.03	3.3	0.007	0.76	1.25	136.1	1.50	163.3	0.009	1.01	0.040	4.36	3.0	326.7	23	2504	Spur	15.1	12.3			
5		21.20	29.50	106 200	4.9	8.20	0.02 2.1	12.8	1359	109	3.4	361	2.10	223.0	0.09	9.6	0.010	1.06	1.21	128.5	3.31	351.5	0.004	0.42	0.082	8.71	3.7	392.9	26	2761	Spur	15.6	12.2			
6	17. 2. 61	01.20	25.50	91 800	4.8	8.05	0.01 0.9	12.9	1184	109	3.4	312	0.84	77.1	0.04	3.7	0.010	0.92	1.16	106.5	2.00	183.6	0.010	0.91	0.126	11.57	3.6	330.5	35	3213	Spur	13.4	12.5			
7		05.30	30.25	108 900	4.2	8.20	0.15 16.3	13.6	1481	113	3.2	348	0.23	25.0	0	0	0.010	1.08	1.19	129.5	1.42	154.6	0.009	0.98	0.061	6.64	10.3	1121.6	30	3267	Spur	14.0	12.6			
8		09.30	30.25	108 900	3.9	8.10	0.10 10.9	13.6	1481	112	3.7	403	0.21	22.9	0.26	28.3	0.009	0.98	1.24	135.0	1.45	157.9	0.008	0.87	0.064	6.97	44.0	4791.6	26	2831	Spur	14.5	12.7			
9		13.05	29.50	106 200	5.3	8.10	0.01 1.1	13.1	1391	113	2.4	255	0.34	36.1	0	0	0.012	1.27	1.16	123.1	1.50	159.3	0.008	0.85	0.050	5.31	4.5	477.9	34	3611	Spur	14.0	12.6			
10		16.50	27.85	100 260	5.3	8.00	0.04 4.0	13.2	1323	114	3.6	361	0.27	27.1	0	0	0.007	0.70	0.78	78.2	1.05	105.2	0.009	0.90	0.050	5.01	2.8	280.7	29	2907	Spur	14.3	12.6			
11		21.25	27.05	97 380	4.9	8.10	0	0	13.2	1285	113	1.4	136	1.31	127.5	0.04	3.9	0.008	0.78	1.19	115.8	2.50	243.4	0.005	0.49	0.068	6.62	3.6	350.5	34	3311	Spur	13.5	12.3		
12	18. 2. 61	01.25	27.05	97 380	4.9	8.20	0.05 4.9	13.1	1275	112	5.5	536	1.05	102.2	0.05	4.9	0.009	0.88	1.19	115.8	2.24	218.1	0.007	0.68	0.043	4.19	5.9	574.5	34	3311	0.1	9.7	13.6	12.5		
13		05.30	27.05	97 380	4.5	8.30	0	0	12.9	1256	108	3.5	341	0.37	36.0	0.07	6.8	0.011	1.07	1.11	108.0	1.48	144.1	0.007	0.68	0.032	3.12	3.0	292.1	38	3700	Spur	15.1	12.6		
14		09.30	27.05	97 380	4.4	8.20	0.10 9.7	12.2	1188	102	3.6	351	0.37	36.0	0.20	19.5	0.014	1.36	0.84	81.8	1.21	117.8	0.028	2.73	0.066	6.43	5.0	486.9	70	6816	Spur	15.5	12.5			
15		13.10	26.30	94 680	5.0	7.95	0	0	12.8	1212	109	3.2	303	0.54	51.1	0.03	2.8	0.008	0.76	1.30	123.1	1.84	174.2	0.009	0.85	0.032	3.03	3.6	340.8	28	2651	0.3	28.4	13.4	12.6	
16		17.00	25.50	91 800	5.4	8.05	0.01 0.9	12.7	1166	110	3.1	285	1.00	91.8	0.01	0.9	0.007	0.64	1.06	97.3	2.06	189.1	0.007	0.64	0.039	3.58	3.4	312.1	39	3580	Spur	13.7	12.5			
17		21.25	24.75	89 100	4.8	8.15	0.05 4.4	12.7	1131	108	0.3	27	3.53	314.5	0.05	4.5	0.007	0.62	1.09	97.1	4.62	411.6	0.006	0.53	0.052	4.63	3.6	320.7	41	3653	0.1	8.9	13.7	12.4		
18	19. 2. 61	01.30	23.30	83 880	4.7	8.20	0.05 4.2	12.9	1082	109	0.5	42	3.92	328.8	0.14	11.7	0.008	0.67	1.28	107.3	5.20	436.1	0.005													

Untersuchung der Seezuflüsse

Datum	Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe			Sauerstoff			BSB ₅		Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionische Detergentien		Gesamt- Härte °dH	Karbonat- Härte °dH	Bemerkungen	
		m³/s	m³/h		pH	ml/l	m³/h	mg/l	kg/h	%	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h				
1	26. 6. 61	02.30	9.22	33 192	19.6	7.2	<0.1	<3.32	8.3	275		0.9	30	0.80	26.6	0.21	7.0	0.008	0.27	0.49	16.3	1.29	42.8	0.026	0.86	0.179	5.94	4.5	149.4	78.5	2605	0.1	3.32	14.1	12.7	
2		05.47	8.75	31 500	19.0	7.6	<0.1	<3.15	8.6	271	100	1.4	44	0.10	3.2	0.06	1.9	0.008	0.25	0.52	16.4	0.62	19.5	0.009	0.28	0.013	0.41	4.1	129.1	70.5	2220					
3		09.25	9.70	34 920	19.7	7.7	<0.1	<3.49	9.5	332	112	2.0	70	0.86	30.0	0.48	16.8	0.003	0.10	1.48	50.2	2.34	79.4	0.022	0.75	0.050	1.70	5.5	186.6	72.4	2456					
4		13.25	9.70	34 920	22.7	7.9	<0.1	<3.49	9.1	318	113	3.0	105	0.79	27.6	0.15	5.2	0.007	0.24	0.51	17.3	1.30	44.1	0.018	0.61	0.057	1.93	6.0	203.5	72.8	2469					
5		17.40	10.20	36 720	22.0	7.9	<0.1	<3.67	7.7	283	94	6.5	239	0.73	26.8	0.13	4.8	0.011	0.40	0.50	18.4	1.23	45.2	0.013	0.48	0.153	5.62	6.9	253.4	71.1	2611					
6		21.45	11.80	42 480	20.9	7.7	<0.1	<4.24	8.0	340	96	3.4	144	0.61	25.9	0.07	3.0	0.010	0.42	0.34	14.4	0.95	40.4	0.014	0.59	0.041	1.74	4.2	178.4	98.8	4197					
7	27. 6. 61	02.20	11.30	40 680	19.8	7.6	<0.1	<4.01	8.6	350	101	0.1	4	0.54	22.0	0.04	1.6	0.018	0.73	0.61	24.8	1.15	46.8	0.012	0.49	0.089	3.62	4.8	195.3	62.5	2543	0.3	12.72	15.3	12.3	
8		06.15	10.20	36 720	19.2	7.9	<0.1	<3.67	8.7	319	101	3.9	143	0.95	34.9	0.03	1.1	0.023	0.84	0.62	22.8	1.57	57.7	0.017	0.62	0.069	2.51	5.3	194.6	47.6	1748					
9		10.15	10.20	36 720	19.8	7.6	<0.1	<3.67	8.7	319	102	0.1	4	0.58	21.3	0.16	5.9	0.014	0.51	0.69	25.3	1.27	46.6	0.077	0.99	0.189	6.94	6.4	235.0	70.0	2570					
10		14.20	11.30	40 680	19.9	7.6	<0.1	<4.10	4.6	187	54	4.4	180	—	—	0.16	6.5	0.018	0.73	0.52	21.2	—	—	0.026	1.06	0.217	8.83	7.2	292.9	77.4	3149					
11		18.45	11.80	42 480	18.8	7.4	<0.1	<4.25	5.7	242	66	3.1	132	1.43	60.7	0.05	2.1	0.011	0.47	0.51	21.7	1.94	82.4	0.011	0.47	0.059	2.51	6.5	276.1	79.6	3381					
12		23.10	11.80	42 480	—	7.2	<0.1	<4.25	8.3	353	—	1.0	42	0.94	40.0	—	—	0.013	0.55	0.60	25.5	1.54	65.4	0.016	0.68	0.053	2.25	5.0	212.4	66.8	2836					
13	28. 6. 61	3.55	15.15	54 540	—	7.4	<0.1	<5.45	9.1	496	—	1.5	82	0.83	45.3	0.04	2.2	0.012	0.65	0.65	35.5	1.48	80.7	0.013	0.71	0.062	3.38	5.9	321.8	96.2	5247	0.1	5.45	15.2	12.6	
14		07.35	14.55	52 380	16.4	7.3	<0.1	<5.24	9.5	498	105	0.7	37	0.82	43.0	0.03	1.6	0.017	0.89	0.57	29.9	1.39	72.8	0.009	0.47	0.035	1.83	6.7	350.9	68.4	3583					
15		11.15	17.75	63 900	17.4	7.6	<0.1	<6.40	10.0	639	113	1.2	77	0.74	47.3	0.10	6.4	0.012	0.77	0.75	47.9	1.49	95.2	0.001	0.06	0.097	6.20	6.8	434.5	61.4	3923					
16		15.10	17.05	61 380	18.4	7.4	<0.1	<6.14	9.6	589	110	1.2	74	0.42	25.8	0.14	8.6	0.020	1.23	0.63	38.7	1.05	64.4	0.005	0.31	0.057	3.50	5.4	331.5	72.2	4432					
17		19.50	16.45	59 220	17.6	7.5	<0.1	<5.92	8.1	480	9.2	2.3	136	0.54	32.0	0.01	0.6	0.009	0.53	0.64	37.9	1.18	69.9	0.006	0.36	0.077	4.56	3.4	201.3	55.2	3269					
18	29. 6. 61	00.05	14.00	50 400	16.4	7.8	<0.1	<5.04	9.6	484	106	1.7	86	0.59	29.7	0.07	3.5	0.012	0.60	0.71	35.8	1.30	65.5	0.014	0.71	0.063	3.18	4.0	201.6	41.2	2076	0.2	10.08	14.9	12.5	
19		04.35	12.30	44 280	15.0	7.6	<0.1	<4.42	9.9	438	106	2.3	102	0.48	21.3	0.08	3.5	0.015	0.66	0.71	31.4	1.19	52.7	0.003	0.13	0.018	0.80	4.0	177.1	50.1	2218					
20		08.30	11.30	40 680	15.3	7.7	<0.1	<4.07	10.5	427	113	2.3	94	0.81	33.0	0.06	2.4	0.013	0.53	0.63	25.6	1.44	58.6	0.007	0.28	0.025	1.02	4.3	174.9	44.0	1790					
21		12.15	10.30	37 080	17.9	7.8	<0.1	<3.71	10.6	393	121	0.8	30	0.66	24.5	0.02	0.7	0.015	0.56	0.59	21.9	1.25	46.4	0.010	0.37	0.049	1.82	4.3	159.4	59.4	2203					
22		16.10	10.70	38 520	19.7	8.1	<0.1	<3.85	9.8	377	115	5.0	193	1.02	39.3	0.11	4.2	0.019	0.73	0.60	23.1	1.62	62.4	0.021	0.81	0.044	1.69	4.6	177.2	59.8	2303					
23		20.35	10.20	36 720	19.3	7.9	<0.1	<3.67	8.8	323	103	4.1	151	2.83	103.9	0.05	1.8	0.014	0.51	0.54	19.8	3.37	123.7	0.010	0.37	—	—	5.1	187.3	44.7	1641	0.1	3.67	16.3	12.6	
24	30. 6. 61	00.40	10.20	36 720	17.9	7.8	<0.1	<3.67	8.7	319	99	1.9	70	0.84	30.8	0.12	4.4	0.011	0.40	0.47	17.3	1.31	48.1	0.015	0.55	0.011	0.40	5.8	213.0	7						

Untersuchung der Seezuflüsse

Probeentnahmestelle:

Argen

Okt. — Nov. 1961

Untersuchendes Institut

Staatl. Institut für Seenforschung

Langenargen

	Datum	Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe			Sauerstoff- Sättigung			BSB ₅		Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionaktive Detergenzien		Gesamt- Härte °dH	Karbonat- Härte °dH	Bemerkungen
			m³/s	m³/h		pH	ml/l	m³/h	mg/l	kg/h	%	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h			
1	30. 10. 61	01.40	5.85	21 060	9.0	8.0	<0.1	<2.1	7.7	162.1	72	—	—	0.29	6.1	0.12	2.5	0.009	0.18	0.77	16.2	1.06	22.3	0.012	0.25	0.060	1.26	6.3	132.7	69.2	1457	<0.1	<2.1	12.9	13.6	
2		05.25	5.50	19 800	8.8	8.0	<0.1	<2.1	7.4	146.5	69	—	—	0.95	18.8	0.13	2.5	0.008	0.15	0.54	10.7	1.49	29.5	0.015	0.29	0.018	0.36	4.9	97.0	60.5	1198					
3		09.20	5.85	21 060	8.7	7.8	<0.1	<2.1	10.4	219.0	97	1.1	23.2	0.77	16.2	0.16	3.4	0.011	0.23	0.45	9.5	1.22	25.7	0.019	0.40	0.019	0.40	4.5	94.8	63.0	1326					
4		13.35	5.85	21 060	9.2	7.8	<0.1	<2.1	10.9	229.5	103	—	—	1.60	33.7	0.19	4.0	0.007	0.15	0.48	10.1	2.08	43.8	0.014	0.29	0.064	1.35	4.5	94.8	76.0	1601					
5		17.40	5.50	19 800	9.0	8.0	<0.1	<2.1	10.3	203.9	97	0.4	7.9	1.15	22.8	0.17	3.4	0.008	0.15	1.20	23.8	2.35	46.6	0.011	0.22	0.060	1.19	5.4	107.0	80.8	1600					
6		21.10	5.85	21 060	9.2	7.9	<0.1	<2.1	9.8	206.4	93	0.1	2.1	0.67	14.1	0.18	3.8	0.011	0.23	0.71	15.0	1.38	29.1	0.013	0.27	0.104	2.19	5.1	107.4	77.0	1622					
7	31. 10. 61	02.40	5.85	21 060	8.7	8.0	<0.1	<2.1	9.4	197.9	88	0.4	8.4	0.30	6.3	0.14	2.9	0.004	0.08	0.68	14.3	0.98	20.6	0.012	0.25	0.064	1.35	5.0	105.3	75.0	1580	0.1	2.1	13.7	14.1	
8		06.25	5.50	19 800	8.6	8.0	<0.1	<2.1	10.3	203.9	96	—	—	0.35	6.9	0.70	13.9	0.006	0.12	0.67	13.3	1.02	20.2	0.019	0.38	0.052	1.03	5.2	102.9	66.5	1317					
9		10.25	5.85	21 060	9.4	8.0	<0.1	<2.1	11.1	233.8	105	0.5	10.5	0.43	9.1	0.13	2.7	0.008	0.17	0.54	11.4	0.97	20.5	0.011	0.23	0.055	1.16	6.0	126.4	64.0	1348					
10		14.25	5.20	18 720	10.5	8.3	<0.1	<2.1	11.2	209.7	109		28.1	0.76	14.2	0.11	2.0	0.014	0.26	0.48	9.0	1.24	23.2	0.010	0.19	0.049	0.92	7.2	134.8	67.5	1264					weiße Flocken auf der Oberfläche
11		18.20	4.90	17 640	9.4	8.1	<0.1	<2.1	9.8	172.9	93	0.4	7.0	0.54	9.5	0.13	2.3	0.018	0.32	0.63	11.1	1.17	20.6	0.010	0.18	0.125	2.21	9.1	160.5	66.0	1164					Schaumflocken bedecken 25% der Oberfl.
12		22.00	5.20	18 720	8.8	8.1	<0.1	<2.1	9.8	183.4	92	1.0	18.7	0.47	8.8	0.14	2.6	0.018	0.34	0.62	11.6	1.09	20.4	0.015	0.28	0.053	0.99	8.1	151.6	84.0	1572					Schaumflocken bedecken 20% der Oberfl.
13	1. 11. 61	03.25	5.85	21 060	8.2	8.0	<0.1	<2.1	8.9	187.4	82	9.2	193.7	0.94	19.8	0.78	16.4	0.001	0.02	0.45	9.5	1.39	29.3	0.012	0.25	0.098	2.06	9.5	200.1	417	8782	0.1	2.1	13.2	13.8	Schaumflocken bedecken 80% der Oberfl.
14		07.20	5.50	19 800	8.0	8.0	<0.1	<2.1	10.7	211.9	98		15.8	0.50	9.9	0.06	1.2	0.001	0.02	0.34	6.7	0.84	16.6	0.010	0.20	0.032	0.63	6.2	122.8	101	2000					Schaumflocken bedecken 20% der Oberfl.
15		11.20	5.50	19 800	8.5	8.1	<0.1	<2.1	10.8	213.8	100	1.5	29.7	0.96	19.0	0.11	2.2	0.015	0.29	0.41	8.1	1.37	27.1	0.007	0.14	0.030	0.60	6.3	124.7	77.7	1538					
16		15.25	5.20	18 720	9.3	8.2	<0.1	<2.1	11.5	215.3	109	0.7	13.1	0.62	11.6	0.18	3.4	0.002	0.04	0.34	6.4	0.96	18.0	0.010	0.19	0.026	0.49	7.2	134.8	100	1872					
17		19.25	4.90	17 640	8.8	7.7	<0.1	<2.1	9.6	169.3	90	2.9	51.0	2.76	48.7	0.13	2.3	0.018	0.32	0.28	4.9	3.04	53.6	0.009	0.16	0.027	0.48	9.8	172.8	139	2452					
18		22.50	4.90	17 640	9.0	7.9	<0.1	<2.1	9.6	169.3	90	2.7	47.5	0.76	13.4	0.21	3.7	0.002	0.04	0.31	5.5	1.07	18.9	—	—	0.045	0.79	7.4	130.5	105	1852					
19	2. 11. 61	04.45	5.20	18 720	8.2	8.0	<0.1	<2.1	10.5	196.6	97	3.5	65.5	0.76	14.2	0.04	0.7	0.001	0.02	0.80	15.0	1.56	29.2	0.009	0.19	0.023	0.43	6.1	114.2	53.7	1005	0.1	1.9	12.3	13.8	
20		08.25	5.20	18 720	8.0	—	<0.1	<2.1	10.3	192.8	95	2.7	50.5	0.58	10.8	0.08	1.5	0.001	0.02	0.42	7.9	1.00	18.7	0.006	0.11	0.043	0.80	8.3	155.4	81.8	1531					
21		12.40	4.50	16 200	8.8	8.0	<0.1	<2.1	11.2	181.4	105	1.9	30.8	2.52	40.8	0.09	1.5	0.007	0.11	0.40	6.5	2.92	47.3	0.011	0.19	0.058	0.94	6.4	103.7	66.7	1081					
22		16.25	5.20	18 720	9.4	8.0	<0.1	<2.1	11.7	219.0	111	1.1	20.6	0.64	12.0	0.08	1.5	0.024	0.45	0.35	6.6	0.99	18.6	0.011	0.21	0.062	1.16	5.7	106.7	68.5	1282					
23		20.10	5.50	19 800	8.3	7.9	0.1	2.1	9.3	184.1	86	0.1	2.0	0.29	5.7	0.40	7.9	0.015	0.30	0.48	9.5	0.77	15.2	0.010	0.20	0.010	0.20	7.7	152.5	78.7	1558					
24		23.45	5.50	19 800	7.7	7.8	<0.1	<2.1	9.1	180.1	83	0.2	4.0	0.59	11.7	0.10	2.0	0.003	0.06	0.43	8.5	1.02	20.2	0.012	0.24	0.010	0.20	6.7	132.7	78.7	1558					
25	3. 11. 61	05.25	5.20	18 720	6.8	7.8	<0.1	<2.1	9.6	179.7	85	0.3	5.6	0.69	12.9	0.04	0.7	0.011																		

Untersuchung der Seezuflüsse

Probeentnahmestelle:

Stockach

Untersuchendes Institut

Staatl. Institut für Seenforschung

Langenargen

Datum	Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe			Sauerstoff		Sättigung %	BSB ₅		Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionische Detergentien		Gesamt- Härte °dH	Karbonat- Härte °dH	Bemerkungen	
		m³/s	m³/h		pH	ml/l	m³/h	mg/l	kg/h		mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h				
1	27.2.61	04.00	1.97	7092	7.0	8.15	0.20	1.4	11.5	81.5	104	3.25	23.5	0.67	4.8	0.19	1.3	0.025	0.177	2.70	19.1	3.37	23.9	0.041	0.29	0.125	0.885	20.0	141.8	12	85	Spur	19.3	16.7		
2		08.00	1.97	7092	7.2	8.50	0.25	1.8	11.1	78.7	100	1.71	12.1	0.62	4.4	0.18	1.3	0.023	0.163	2.60	18.4	3.22	22.8	0.043	0.34	0.117	0.829	19.9	141.1	17	120	Spur	19.7	16.9		
3		11.45	1.95	7020	7.4	8.00	0.25	1.8	13.0	91.2	118	2.71	19.0	1.12	7.9	0.16	1.1	0.029	0.204	2.80	19.6	3.92	27.5	0.015	0.11	0.679	4.777	20.3	142.5	15	105	Spur	18.7	16.8		
4		15.45	1.95	7020	8.3	8.30	0.50	3.5	10.7	75.1	99	0.05	70.6	1.38	9.7	0.16	1.1	0.029	0.204	2.68	18.8	4.06	28.5	0.014	0.10	0.151	1.060	22.8	160.0	24	168	0.1	0.7	18.8	16.9	
5		20.00	1.97	7092	8.6	8.20	0.30	2.1	10.1	71.6	94	3.06	21.7	1.62	11.4	0.14	1.0	0.033	0.234	2.62	18.5	4.24	30.0	0.062	0.44	0.214	1.517	35.6	252.4	18	128	0.3	2.1	18.7	16.9	
6	28.2.61	00.00	1.97	7092	8.4	8.10	0.40	2.8	9.8	69.5	91	4.97	35.2	1.76	12.5	0.28	2.0	0.035	0.248	2.62	18.5	4.38	31.1	0.105	0.75	0.320	2.270	73.4	520.5	21	149	0.2	1.4	19.3	16.8	
7		04.15	1.97	7092	7.7	8.20	0.45	3.2	10.2	72.3	93	2.30	16.3	1.53	10.9	0.18	1.3	0.030	0.212	2.74	19.4	4.27	33.5	0.059	0.42	0.198	1.404	54.0	382.9	18	128	0.1	0.7	18.0	16.5	
8		08.10	2.19	7884	7.3	8.20	0.30	2.4	10.7	84.3	96	0.46	3.6	1.24	9.8	0.18	1.4	0.025	0.197	2.72	21.4	3.96	31.2	0.056	0.44	0.161	1.269	49.6	391.0	12	95	0.2	1.6	19.0	16.9	
9		12.00	2.00	7200	8.2	8.10	Spur		11.0	79.2	102	1.73	12.5	1.00	7.2	0.19	1.4	0.024	0.173	2.96	21.3	3.96	28.5	—	—	0.225	1.620	42.8	308.2	20	144	0.1	0.7	18.9	17.0	
10		15.45	2.07	7452	7.8	8.20	0.15	1.1	10.8	80.5	99	2.45	18.3	0.60	4.5	0.19	1.4	0.024	0.179	3.02	22.5	3.62	27.0	—	—	0.168	1.252	33.2	247.4	13	97	Spur	18.9	16.3		
11		20.00	1.95	7020	6.8	8.20	0.30	2.1	10.5	73.7	94	3.17	22.2	1.16	8.1	0.60	4.2	0.037	0.259	2.92	20.5	4.08	28.6	0.052	0.37	0.152	1.067	60.8	426.8	19	133	0.1	0.7	19.0	16.9	
12	1.3.61	00.00	1.95	7020	6.6	8.20	0.35	2.5	11.2	78.6	99	1.61	11.3	0.82	5.8	0.09	0.6	0.030	0.210	3.16	22.2	3.98	27.9	0.078	0.55	0.260	1.825	75.5	530.0	22	154	0.1	0.7	18.6	16.9	
13		04.20	1.95	7020	6.0	8.20	0.20	1.4	10.9	76.5	96	3.08	21.6	0.73	5.1	0.25	1.8	0.028	0.196	2.70	18.9	3.43	24.0	0.043	0.30	0.155	1.088	84.0	589.6	16	112	0.1	0.7	19.3	17.2	
14		08.10	2.19	7884	6.0	8.20	0.30	2.4	11.2	88.3	97	3.16	24.9	0.84	6.6	0.24	1.9	0.024	0.190	2.76	21.8	3.60	28.4	0.058	0.46	0.162	1.277	61.5	484.8	17	134	0.1	0.8	19.0	17.3	
15		11.15	2.35	8460	6.4	8.00	0.25	2.1	11.4	96.4	101	3.54	29.9	0.59	5.0	0.19	1.6	0.025	0.212	2.72	23.0	3.31	28.0	—	—	0.125	1.057	48.4	409.4	21	178	0.1	0.8	18.5	16.8	
16		15.45	2.35	8460	7.4	8.10	0.40	3.4	11.4	96.4	104	3.19	26.9	0.64	5.4	0.28	2.4	0.032	0.271	2.74	23.2	3.38	28.6	—	—	0.169	1.429	45.0	380.7	21	178	0.1	0.8	18.6	17.2	
17		20.05	2.33	8388	6.6	8.15	0.35	2.9	10.9	91.4	96	3.46	29.0	1.25	10.5	0.41	3.4	0.032	0.268	2.58	21.6	3.86	32.1	0.068	0.57	0.254	2.130	80.6	676.1	22	185	0.1	0.8	18.2	16.5	
18	2.3.61	00.00	2.13	7668	6.4	8.05	0.40	3.1	10.9	83.6	96	2.39	18.3	1.13	8.7	0.09	0.7	0.034	0.261	2.52	19.3	3.65	28.0	0.063	0.48	0.357	2.737	61.0	467.7	15	115	0.1	0.8	18.2	16.5	
19		04.20	2.07	7452	5.4	8.20	0.30	2.2	11.2	83.5	97	2.26	16.8	0.92	6.9	0.27	2.0	0.028	0.209	2.78	20.7	3.70	27.6	0.062	0.46	0.167	1.244	34.0	253.4	23	171	Spur	18.2	16.9		
20		08.10	2.07	7452	5.4	8.30	0.25	1.9	11.4	85.0	98	1.64	12.2	1.04	7.8	0.13	1.0	0.026	0.194	2.72	20.3	3.76	28.0	0.039	0.29	0.152	1.133	25.2	187.8	17	127	Spur	18.2	16.9		
21		11.50	2.01	7236	5.9	8.10	0.45	3.3	11.8	85.4	104	1.67	12.1	0.80	5.8	0.14	1.0	0.019	0.137	2.48	17.9	3.28	23.7	0.048	0.35	0.119	0.861	24.6	178.0	23	166	0.1	0.7	18.9	16.8	
22		15.45	2.07	7452	6.2	8.20	0.25	1.9	11.8	88.0	104	3.37	25.1	0.54	4.0	0.19	1.4	0.027	0.201	2.54	18.9	3.08	23.0	0.059	0.44	0.090	0.670	21.0	156.5	16	119	0.1	0.7	19.0	16.8	
23		20.00	2.07	7452	6.6	8.10	0.25	1.9	10.9	81.2	96	1.48	11.0	0.94	7.0	0.33	2.5	0.029	0.216	1.72	12.8	2.66	19.8	0.076	0.57	0.173	1.289	24.6	183.3	10	75	0.2	1.4	18.8	16.8	
24	3.3.61	00.00	1.95	7020	6.6	8.20	0.25	1.8	10.9	76.5	96	1.06	7.4	0.73	5.1	0.28	2.0	0.030	0.211	2.36	16.6	3.09	21.7	0.072	0.51	0.179	1.256	22.3	156.6	19	133	0.1	0.7	18.7	16.8	
25		04.15	1.95	7020	5.8	8.20	0.25	1.8	11.4	80.0	99	1.97	13.8	0.70	4.9	0.30	2.1	0.023	0.161	3.02	21.2	3.72	26.1	0.056	0.39	0.151	1.060	20.5	143.9	17	119	Spur	19.5	17.3		
26		08.05	1.83	6588	5.9	8.15	0.20	1.3	11.2	73.8	98	1.38	9.1	0.54	3.6	0.22	1.5	0.021	0.138	2.98																

Untersuchung der Seezuflüsse

Datum	Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe			Sauerstoff		Sättigung %	BSB ₅		Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionaktive Detergenzien mg/l kg/h	Gesamt- Härte °dH	Karbonat- Härte °dH	Bemerkungen		
		m³/s	m³/h		pH	ml/l	m³/h	mg/l	kg/h		mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h					mg/l	kg/h
1	26. 6. 61	00.00	1.42	5112	18.9	7.5	<0.1	<0.51	6.9	35.3	80	2.5	12.8	2.44	12.5	0.23	1.2	0.115	0.588	2.86	14.6	5.30	27.1	0.092	0.47	0.235	1.201	26.1	133.4	14.4	73.6	0.8	4.09	18.8	16.8	
2		03.55	1.42	5112	17.8	7.5	0.3	1.53	7.1	36.3	81	1.5	7.7	—	—	0.18	0.9	0.090	0.460	2.77	14.2	—	—	0.079	0.40	0.104	0.532	25.7	131.4	14.0	71.6					
3		07.30	1.42	5112	17.4	7.4	0.1	0.51	7.3	37.3	82	5.3	27.1	1.82	9.3	0.21	1.1	0.097	0.496	2.61	13.3	4.43	22.6	0.102	0.52	0.088	0.450	27.9	142.6	19.5	99.7					
4		11.30	1.36	4896	18.3	7.4	<0.1	<0.49	7.5	36.7	86	3.8	18.6	0.52	2.5	0.29	1.4	0.086	0.421	0.60	2.9	1.12	5.5	0.090	0.44	0.146	0.715	28.9	141.5	16.3	79.8					
5		16.00	1.33	4788	18.3	7.6	0.2	0.96	7.9	37.8	90	12.3	58.9	1.44	6.9	0.15	0.7	0.071	0.340	1.85	8.9	3.29	15.8	0.066	0.32	0.197	0.943	27.3	130.7	30.0	143.6					
6		20.00	1.36	4896	18.4	7.5	0.1	<0.49	7.3	35.7	84	3.8	18.6	1.01	4.9	0.23	1.1	0.079	0.387	2.52	12.3	3.53	17.3	0.080	0.39	0.200	0.979	70.3	344.2	19.8	96.9					
7	27. 6. 61	00.30	1.27	4572	17.6	7.3	<0.1	<0.46	6.3	28.8	71	4.1	18.7	2.94	13.4	0.15	0.7	0.146	0.668	2.67	12.2	5.61	25.6	0.122	0.56	0.261	1.193	65.5	299.5	17.7	80.9	0.3	1.37	19.1	16.0	
8		04.35	1.30	4680	18.0	7.8	<0.1	<0.47	6.5	30.4	74	0.1	0.5	0.76	3.6	0.21	1.0	0.132	0.618	2.67	12.5	3.43	16.1	0.123	0.58	0.232	1.086	110.0	514.8	16.6	77.7					
9		08.30	1.42	5112	17.7	6.9	<0.1	<0.51	7.1	36.3	80	4.8	24.5	1.60	8.2	0.21	1.1	0.133	0.680	2.49	12.7	4.09	20.9	0.040	0.20	0.026	0.133	122.0	623.7	19.0	97.1					
10		12.30	1.42	5112	17.8	7.5	<0.1	<0.51	7.5	38.3	85	2.6	13.3	0.63	3.2	0.17	0.9	0.095	0.486	2.44	12.5	3.07	15.7	0.085	0.43	0.042	0.215	66.7	341.0	15.3	78.2					
11		17.00	1.36	4896	17.2	7.1	0.1	0.49	7.9	38.7	89	6.6	32.3	1.75	8.6	0.14	0.7	0.087	0.426	2.98	14.6	4.73	23.2	0.077	0.38	0.116	0.568	47.5	232.6	18.3	89.6					
12		21.00	1.60	5760	17.0	7.8	0.2	1.15	6.5	37.4	73	6.6	38.0	1.84	10.6	0.43	2.5	0.131	0.755	2.88	16.6	4.72	27.2	0.172	0.99	0.273	1.572	56.4	324.9	22.9	131.9					
13	28. 6. 61	02.00	1.54	5544	16.2	7.2	<0.1	<0.55	6.9	38.3	76	0.5	2.8	1.81	10.0	0.30	1.7	0.135	0.748	2.68	14.9	4.49	24.9	0.144	0.80	0.259	1.436	79.2	439.1	18.7	103.7	0.2	1.11	20.6	16.0	
14		05.55	1.48	5328	15.7	7.2	<0.1	<0.53	7.6	40.5	83	2.2	11.7	1.24	6.6	0.27	1.4	0.131	0.698	2.85	15.2	4.09	21.8	0.144	0.77	0.252	1.343	64.4	343.1	19.4	103.4					
15		09.30	1.42	5112	15.1	7.3	<0.1	<0.51	7.9	40.4	85	0.5	2.6	1.73	8.8	0.26	1.3	0.124	0.634	2.62	13.4	4.35	22.2	0.110	0.56	0.193	0.987	48.0	245.4	17.7	90.5					lehmig, trübe
16		13.30	1.42	5112	16.0	7.4	<0.1	<0.51	8.6	44.0	94	2.5	12.8	0.67	3.4	0.90	4.6	0.090	0.460	2.63	13.4	3.30	16.9	0.073	0.37	0.150	0.767	48.4	247.4	21.5	109.9					
17		18.00	1.42	5112	16.1	7.8	<0.1	<0.51	7.6	38.9	83	6.0	30.7	0.48	2.5	0.08	0.4	0.091	0.465	2.52	12.9	3.00	15.3	0.093	0.48	0.236	1.206	34.1	174.3	19.3	98.7					
18		22.00	1.36	4896	16.1	7.9	<0.1	<0.49	8.3	40.6	91	4.0	19.6	1.00	4.9	0.25	1.2	0.130	0.636	2.67	13.1	3.67	18.0	0.124	0.61	0.260	1.273	77.7	380.4	19.3	94.5					
19	29. 6. 61	02.55	1.42	5112	15.5	7.3	<0.1	<0.51	7.7	39.4	83	2.8	14.3	2.25	11.5	0.21	1.1	0.124	0.634	2.98	15.2	5.23	26.7	0.086	0.44	0.146	0.746	79.7	407.4	16.6	84.9	0.2	1.02	20.2	16.0	
20		06.50	1.25	4500	14.8	7.5	<0.1	<0.45	8.1	36.5	87	3.2	14.4	0.51	2.3	0.21	0.9	0.107	0.482	2.78	12.5	3.29	14.8	0.105	0.47	0.151	0.680	118.7	534.2	15.2	68.4					
21		10.30	1.30	4680	14.8	7.6	<0.1	<0.47	8.5	39.8	91	4.4	20.6	1.24	5.8	0.22	1.0	0.097	0.454	3.07	14.4	4.31	20.2	0.089	0.42	0.153	0.716	92.2	431.5	19.3	90.3					
22		14.20	1.30	4680	16.3	7.6	<0.1	<0.47	8.6	40.2	95	6.1	28.5	—	—	0.17	0.8	0.084	0.393	2.86	13.4	—	—	0.077	0.36	0.151	0.707	53.0	248.0	20.6	96.4					
23		19.00	1.30	4680	16.3	7.6	<0.1	<0.47	8.5	39.8	94	7.3	34.2	2.02	9.5	0.11	0.5	0.112	0.524	2.90	13.6	4.92	23.0	0.068	0.32	0.144	0.674	46.3	216.7	19.2	89.9					
24		23.00	1.26	4536	16.3	7.7	<0.1	<0.45	7.8	35.4	86	5.0	22.7	0.75	3.4	0.18	0.8	0.109	0.494	2.93	13.3	3.68	16.7	0.121	0.55	0.174	0.789	5								

Untersuchung der Seezuflüsse

Datum	Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe			Sauerstoff			BSB ₅		Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionaktive Detergentien	Gesamt- Härte °dH	Karbonat- Härte °dH	Bemerkungen		
		m³/s	m³/h		pH	ml/l	m³/h	mg/l	kg/h	Sättigung %	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h					mg/l	kg/h
1	30.10.61	00.00	1.50	5400	8.0	8.1	0.3	1.62	6.5	35.1	60	—	—	1.26	6.8	0.28	1.5	0.069	0.37	2.80	15.1	4.06	21.9	0.106	0.57	0.277	1.49	24.2	130.7	29.2	157.7	0.1	0.54	19.0	17.8	
2		03.40	1.50	5400	8.6	8.1	0.2	1.08	6.4	34.6	59	12.3	66.4	1.54	8.3	0.24	1.3	0.060	0.32	2.73	14.7	4.27	23.1	0.103	0.56	0.262	1.41	23.4	126.4	13.2	71.3					
3		07.55	1.50	5400	8.0	8.0	0.1	0.54	9.7	52.4	89	3.8	20.5	1.98	10.7	0.27	1.5	0.054	0.29	2.45	13.2	4.43	23.9	0.083	0.45	0.226	1.22	26.6	143.6	14.0	75.6					
4		11.50	1.50	5400	8.0	8.0	0.1	0.54	10.0	54.0	92	2.2	11.9	1.37	7.4	0.27	1.5	0.048	0.26	2.31	12.5	3.68	19.9	0.074	0.40	0.200	1.08	27.0	145.8	17.7	95.6					
5		16.00	1.50	5400	7.8	8.0	<0.1	<0.54	9.5	51.3	87	4.6	24.9	1.86	10.0	0.17	0.9	0.040	0.22	2.46	13.3	4.32	23.3	0.078	0.42	0.226	1.22	26.0	140.4	18.2	98.3					
6		19.45	1.50	5400	8.2	8.0	0.1	0.54	9.5	51.3	88	3.0	16.2	2.27	12.3	0.29	1.6	0.050	0.27	2.35	12.7	4.62	24.9	0.086	0.46	0.371	2.00	33.2	179.3	14.5	78.3					
7	31.10.61	00.35	1.50	5400	8.2	8.0	0.3	1.62	8.4	45.4	78	4.9	26.5	0.67	2.5	0.42	2.3	0.079	0.43	2.55	13.8	3.02	16.3	0.124	0.67	0.359	1.94	98.0	529.2	15.3	82.6	0.2	1.08	19.6	17.3	
8		04.30	1.50	5400	8.2	8.1	0.1	0.54	9.2	49.7	85	4.8	25.9	1.03	5.6	0.31	1.7	0.073	0.39	2.40	13.0	3.43	18.5	0.120	0.65	0.412	2.22	107.0	577.8	14.2	76.7					
9		09.00	1.50	5400	8.2	8.0	0.2	1.08	9.4	50.8	87	5.1	27.5	3.73	20.1	0.26	1.4	0.061	0.33	2.43	13.1	6.16	33.3	0.091	0.49	0.369	1.99	74.8	403.9	13.1	70.7					
10		12.55	1.50	5400	8.6	8.1	0.2	1.08	9.7	52.4	90	2.8	15.1	0.83	4.5	0.22	1.3	0.051	0.28	2.44	13.2	3.27	17.7	0.086	0.46	0.514	2.78	50.0	270.0	12.5	67.5					
11		16.50	1.50	5400	9.0	8.0	<0.1	<0.54	9.7	52.4	91	2.5	13.5	1.68	9.1	0.05	0.3	0.056	0.30	2.43	13.1	4.11	22.2	0.067	0.36	0.294	1.59	43.4	234.4	15.2	82.0					
12		20.45	1.50	5400	8.5	8.0	0.1	0.54	9.2	49.7	85	5.4	29.2	1.10	5.9	0.24	1.3	0.061	0.33	2.48	13.4	3.58	19.3	0.106	0.57	0.492	2.66	34.6	186.8	13.0	70.2					
13	1.11.61	01.30	1.50	5400	8.1	8.0	0.3	1.62	8.4	45.4	77	4.5	24.3	0.97	5.2	0.34	1.8	0.073	0.39	2.66	14.4	3.63	19.6	0.094	0.51	0.251	1.36	70.8	382.3	11.9	64.3	0.1	0.54	20.4	17.7	
14		05.35	1.50	5400	7.9	8.1	0.2	1.08	9.7	52.4	89	4.2	22.7	0.90	4.9	0.35	1.9	0.064	0.35	2.69	14.5	3.59	19.4	0.120	0.65	0.267	1.44	71.4	385.6	13.5	72.9					
15		09.55	1.50	5400	8.0	8.0	0.2	1.08	9.8	52.9	90	4.5	24.3	1.75	9.5	0.29	1.6	0.076	0.41	2.67	14.4	4.42	23.9	0.090	0.49	0.219	1.18	38.2	206.3	13.3	71.8					
16		14.00	1.50	5400	8.5	8.2	0.2	1.08	10.2	55.1	95	2.1	11.3	1.00	5.4	0.18	1.0	0.050	0.27	2.59	14.0	3.59	19.4	0.080	0.43	0.196	1.06	31.4	169.6	13.9	75.1					
17		18.00	1.50	5400	8.0	8.0	0.1	0.54	9.9	53.5	91	5.2	28.1	2.03	11.0	0.05	0.3	0.067	0.36	2.47	13.3	4.50	24.3	0.058	0.31	0.298	1.61	28.4	153.4	14.9	80.5					
18		21.45	1.50	5400	8.3	7.9	0.1	0.54	9.5	51.3	88	6.1	32.9	3.43	18.5	0.28	1.5	0.065	0.35	2.49	13.4	5.92	32.0	0.121	0.65	—	—	31.4	169.6	16.2	87.5					
19	2.11.61	03.00	1.45	5220	8.1	8.0	<0.1	<0.52	9.7	50.6	89	5.0	26.1	1.43	7.5	0.30	1.6	0.067	0.35	2.75	14.4	4.18	21.8	0.094	0.49	0.237	1.24	26.8	139.9	13.5	70.5	0.1	0.52	20.7	16.7	
20		06.40	1.45	5220	7.9	8.0	0.2	1.04	9.9	51.7	91	6.3	32.9	1.05	5.5	0.22	1.1	0.052	0.27	2.89	15.1	3.94	20.6	0.086	0.45	0.215	1.12	26.4	137.8	10.8	56.4					
21		11.00	1.45	5220	8.3	8.0	0.1	0.52	9.9	51.7	92	3.9	20.4	1.66	8.7	0.21	1.1	0.071	0.37	2.56	13.4	4.22	22.0	0.070	0.37	0.194	1.01	26.6	138.9	15.9	83.0					
22		14.50	1.45	5220	8.4	8.1	<0.1	<0.52	10.0	52.2	93	5.7	29.8	1.54	8.0	0.07	0.4	0.053	0.28	2.61	13.6	4.15	21.7	0.063	0.33	0.167	0.87	25.6	133.6	13.6	71.0					
23		19.00	1.45	5220	7.8	8.0	0.2	1.04	9.4	49.1	86	4.8	25.1	1.79	9.3	0.47	2.5	0.101	0.53	2.57	13.4	4.47	23.3	0.163	0.85	0.305	1.59	27.8	145.1	17.4	90.8					
24		22.45	1.45	5220	7.5	8.0	0.1	0.52	9.1	47.5	82	4.0	20.9	1.34	7.0	0.46	2.4	0.078	0.41	2.65	13.8	3.99	20.8	0.138	0.72	0.251	1.31	98.2	512.6	12.4	64.7					
25	3.11.6																																			

Datum	Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe			Sauerstoff			BSB ₅		Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionaktive Detergenzien		Gesamt- Härte °dH	Karbonat- Härte °dH	Bemerkungen	
		m³/s	m³/h		pH	ml/l	m³/h	mg/l	kg/h	%	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h				
1	16.2.61	04.30	2.550	9180	4.1	7.90	0.10	0.9	12.2	111.9	102	3.2	29.3	—	—	0.79	7.2	0.015	0.14	1.43	13.1	—	—	0.043	0.39	0.118	1.08	9.8	89.9	24	220	0.1	0.9	23.5	17.4	
2		08.30	2.465	8874	3.6	8.00	0.05	0.4	13.5	119.7	111	2.1	18.6	0.28	2.5	0.95	8.4	0.011	0.10	1.41	12.5	1.69	15.0	0.056	0.50	0.118	1.05	10.2	90.5	29	257	Spur		20.2	16.6	
3		12.20	2.390	8604	4.3	7.95	0.04	0.3	12.7	109.2	107	3.2	27.5	0.85	7.3	0.58	5.0	0.019	0.16	2.10	18.1	2.95	25.4	0.093	0.80	0.150	1.29	11.1	95.5	16	137	Spur		20.4	16.3	
4		16.30	2.465	8874	5.1	8.05	0.03	0.3	12.3	109.1	105	7.3	64.8	0.83	7.4	0.49	4.3	0.019	0.17	1.50	13.3	1.83	16.2	0.087	0.77	0.167	1.48	10.8	95.8	17	151	0.2	1.8	20.7	16.0	
5		20.30	2.310	8316	5.0	8.05	0.04	0.3	12.9	107.2	110	2.1	17.5	1.54	12.8	0.44	3.7	0.021	0.17	1.94	16.1	3.48	28.9	0.093	0.77	0.236	1.96	10.9	90.6	14	116	0.1	0.8	20.4	17.0	
6	17.2.61	00.15	2.310	8316	4.9	8.15	0.10	0.8	12.5	103.9	107	0.1	0.8	1.27	10.6	0.36	3.0	0.017	0.14	1.91	15.9	3.18	26.4	0.068	0.57	0.224	1.86	10.6	88.2	13	108	Spur		20.8	16.1	
7		04.30	2.155	7758	4.6	8.20	0.10	0.8	13.1	101.6	111	1.9	14.7	0.38	2.9	0.28	2.2	0.016	0.12	1.94	15.1	2.32	18.0	0.040	0.31	0.087	0.68	3.0	23.3	14	109	Spur		21.3	16.7	
8		08.30	2.230	8028	4.0	8.10	0.05	0.4	13.3	106.7	111	2.0	16.1	0.48	3.9	0.41	3.3	0.016	0.13	1.94	15.6	2.42	19.4	0.050	0.40	0.102	0.82	3.5	28.1	14	112	0.1	0.8	24.4	17.2	
9		12.25	2.075	7470	4.8	7.95	0.15	1.1	13.1	97.9	111	3.5	26.1	0.82	6.1	0.57	4.3	0.019	0.14	1.94	14.5	2.76	20.6	0.100	0.75	0.189	1.41	10.9	81.4	17	127	Spur		19.1	16.8	
10		16.15	2.230	8028	5.6	8.00	0.01	0.1	12.6	101.1	110	5.4	43.4	0.86	6.9	0.52	4.2	0.020	0.16	1.94	15.6	2.80	22.5	0.093	0.75	0.177	1.42	11.1	81.1	18	144	Spur		19.0	16.8	
11		20.20	2.075	7470	5.1	8.05	0	0	12.5	93.4	107	2.9	21.7	2.02	15.1	0.50	3.7	0.016	0.12	1.88	14.0	3.90	29.1	0.091	0.68	0.170	1.27	9.9	74.0	14	134	0.1	0.8	18.5	16.9	
12	18.2.61	00.20	2.075	7470	5.0	8.05	—	—	12.7	94.9	109	1.6	12.0	1.47	11.0	0.38	2.8	0.017	0.13	1.91	14.3	3.38	25.1	0.070	0.53	0.088	0.66	10.1	75.4	14	105	0.2	1.5	18.7	16.6	
13		04.30	1.935	6966	4.7	8.20	0	0	12.4	86.4	105	1.6	11.1	0.45	3.1	0.33	2.3	0.020	0.14	1.91	13.3	2.36	16.4	0.044	0.31	0.064	0.46	10.3	71.7	15	104	0.2	1.4	22.1	16.2	
14		08.30	1.935	6966	4.4	8.25	0	0	13.2	92.0	111	1.9	13.2	0.48	3.3	0.30	2.1	0.015	0.10	1.86	13.0	2.34	16.3	0.045	0.31	0.073	0.59	10.1	70.4	14	98	0.1	0.7	21.6	16.2	
15		12.30	1.935	6966	4.0	8.05	0.02	0.1	12.5	87.1	104	5.5	38.3	1.60	11.4	0.92	6.4	0.021	0.15	2.02	14.1	3.62	25.2	0.142	0.99	0.227	1.58	10.8	75.2	15	104	0.1	0.7	20.2	16.7	
16		16.10	1.935	6966	5.3	7.90	0.02	0.1	12.3	85.7	105	5.3	36.9	1.31	9.1	0.93	6.5	0.022	0.15	1.84	13.0	3.15	21.9	0.116	0.81	0.180	1.25	12.2	85.0	16	111	0.2	1.4	19.6	16.7	
17		20.20	1.855	6678	4.9	8.05	0.02	0.1	12.4	82.8	106	3.5	23.4	1.76	11.8	0.82	5.5	0.017	0.11	2.00	13.4	3.76	25.1	0.109	0.73	0.164	1.10	11.1	74.1	14	94	0.3	2.0	18.2	16.7	
18	19.2.61	00.30	1.855	6678	4.8	8.15	0.01	0.1	11.5	76.8	97	1.7	11.4	2.84	19.0	0.67	4.5	0.017	0.11	1.92	12.8	4.76	31.8	0.078	0.52	0.148	0.99	11.0	73.5	12	80	0.2	1.3	18.3	16.5	
19		04.30	1.790	6444	4.0	8.20	0	0	12.0	77.3	100	0.0	0	—	—	0.55	3.5	0.020	0.13	2.10	13.5	—	—	0.043	0.28	0.089	0.57	10.8	69.6	14	90	1.6	1.0	20.7	16.7	
20		08.30	1.790	6444	3.7	8.10	Spur		12.2	78.6	99	2.6	16.8	0.57	4.8	0.48	3.1	0.014	0.09	2.14	13.8	2.71	17.5	0.040	0.26	0.075	0.48	10.6	68.3	12	77	Spur		20.8	16.6	
21		12.15	1.790	6444	3.7	8.00	0	0	12.4	79.9	103	5.9	38.0	0.55	3.5	0.43	2.8	0.023	0.15	1.56	10.1	2.11	13.0	0.105	0.68	0.164	1.06	10.4	67.0	16	103	0.2	1.2	18.5	17.0	
22		16.20	1.730	6228	4.4	8.00	0.01	0.1	12.1	75.4	102	3.8	23.7	0.57	3.5	0.38	2.4	0.028	0.17	1.52	9.5	2.09	13.0	0.067	0.42	0.164	1.02	10.9	67.9	13	81	0.1	0.6	18.7	17.0	
23		20.20	1.730	6228	5.0	8.10	0	0	11.1	69.1	95	0.7	4.4	1.27	7.9	0.41	2.6	0.018	0.11	1.88	11.7	3.15	19.6	0.048	0.30	0.125	0.78	10.9	67.9	12	74	Spur		18.6	16.7	
24	20.2.61	00.20	1.730	6228	4.5	8.05	0.01	0.1	12.4	77.2	103	1.9	11.8	0.85	5.3	0.34	2.2	0.017	0.10	1.84	11.4	2.69	16.6	0.031	0.19	0.120	0.74	10.8	67.3	11	69	Spur		18.6	16.5	
25		04.30	1.660	5976	3.6	8.20	Spur		12.6	75.3	103	2.0	12.0	0.46	2.7	0.20	1.2	0.021	0.12	2.48	11.8	2.94	17.6	0.034	0.20	0.093	0.56	10.0	59.7	10	60	Spur		21.0	16.6	

Untersuchung der Seezuflüsse

Rotach

Juni – Juli 1961

Staatl. Institut für Seenforschung

Langenargen

	Datum	Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe		Sauerstoff		Sättigung %	BSB ₅		Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionaktive Detergentien		Gesamt- Härte °dH	Karbonat- Härte °dH	Bemerkungen		
			m³/s	m³/h		pH	ml/l	m³/h	mg/l		kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l				kg/h	
1	26. 6. 61	01.45	0.925	3330	17.1	7.2	<0.1	<0.33	7.1	23.6	80	10.9	36.3	1.93	6.43	1.58	5.26	0.062	0.21	1.46	4.86	3.39	11.29	0.270	0.90	0.521	1.73	11.5	38.3	28.7	95.6	0.4	1.33	0.007	17.0	15.7	
2		05.15	0.820	2952	16.8	7.4	0.1	0.30	7.3	21.5	81	4.8	14.2	1.20	3.54	0.93	2.75	0.075	0.22	1.60	4.72	2.80	8.27	0.166	0.49	0.310	0.92	11.1	32.8	22.6	66.7						
3		09.00	0.620	2232	17.6	7.4	<0.1	<0.22	8.0	17.9	90	5.3	11.8	1.05	2.34	1.86	4.15	0.066	0.15	2.30	5.13	3.35	7.48	0.204	0.46	0.388	0.87	12.3	27.5	20.6	46.0						
4		12.50	0.770	2772	18.9	7.6	<0.1	<0.28	8.6	23.8	100	8.4	23.3	1.82	5.05	1.79	4.96	0.063	0.17	1.79	4.96	3.61	10.01	0.263	0.73	0.465	1.29	13.1	36.3	24.0	66.5						
5		17.10	0.710	2556	18.9	7.4	0.1	0.26	7.5	19.2	87	13.0	33.2	2.03	5.19	1.10	2.81	0.072	0.18	1.50	3.83	3.83	9.29	0.229	0.59	0.454	1.16	11.7	29.9	29.5	75.4						
6		21.15	0.770	2772	18.4	7.5	<0.1	<0.28	7.8	21.6	89	8.8	24.4	1.51	4.19	1.23	3.41	0.077	0.21	1.25	3.47	2.76	7.65	0.262	0.73	0.525	1.46	10.7	29.7	26.0	72.1						
7	27. 6. 61	01.35	0.710	2556	17.8	7.5	<0.1	<0.26	6.9	17.6	78	0.2	0.5	2.46	6.29	0.67	1.71	0.071	0.18	1.28	3.27	3.74	9.56	0.163	0.42	0.150	0.38	11.2	28.6	16.6	42.4	0.6	1.53	0.005	16.8	15.4	
8		05.45	0.870	3132	17.2	7.5	<0.1	<0.31	7.6	23.8	85	0.2	0.6	1.61	5.04	0.68	2.13	0.071	0.22	1.32	4.13	2.93	9.18	0.186	0.58	0.310	0.97	11.0	34.5	17.5	54.8						
9		09.45	0.925	3334	17.9	7.5	<0.1	<0.33	8.2	27.3	93	5.6	18.7	1.23	4.10	1.09	3.63	0.068	0.23	1.29	4.30	2.52	8.40	0.181	0.60	1.226	4.09	12.5	41.7	20.4	68.0						
10		13.45	0.925	3334	17.8	7.2	0.1	<0.33	7.3	24.3	83	9.5	31.7	1.84	6.13	1.92	6.40	0.073	0.24	1.40	4.67	3.24	10.80	0.326	1.09	1.257	4.19	11.8	39.3	26.0	86.7						
11		18.20	0.980	3528	17.1	7.2	0.1	0.35	8.6	30.3	96	7.8	27.5	2.34	8.26	0.66	2.33	0.077	0.27	0.99	3.49	3.33	11.75	0.211	0.74	0.522	1.84	11.4	40.2	21.7	76.6						
12		22.40	0.980	3528	—	7.2	<0.1	<0.35	7.2	25.4	—	2.8	9.9	2.13	7.51	0.85	3.00	0.074	0.26	1.54	5.43	3.67	12.95	0.251	0.89	0.415	1.46	11.3	39.9	20.9	73.7						
13		03.25	0.980	3528	—	7.3	<0.1	<0.35	7.8	27.5	—	0.4	1.4	2.07	7.30	0.56	1.98	0.060	0.21	1.47	5.19	3.54	12.49	0.154	0.54	0.237	0.84	11.6	40.9	19.5	68.8	0.3	1.06	0.010	20.6	16.2	
14	28. 6. 61	07.05	0.980	3528	15.7	7.2	<0.1	<0.35	8.4	29.6	91	0.4	1.4	1.32	4.66	0.57	2.01	0.055	0.19	1.49	5.26	2.81	9.91	0.150	0.53	0.242	0.85	10.8	38.1	18.1	63.9						
15		10.45	0.925	3334	15.8	7.4	<0.1	<0.33	9.3	31.0	101	2.6	8.7	1.10	3.67	0.94	3.13	0.058	0.19	1.48	4.93	2.58	8.60	0.190	0.63	0.315	1.05	11.3	37.7	19.3	64.3						
16		14.45	0.925	3334	16.4	7.1	<0.1	<0.33	9.3	31.0	103	5.4	18.0	1.04	3.47	1.24	4.13	0.063	0.21	1.67	5.57	2.71	9.04	0.234	0.78	0.413	1.38	12.1	40.3	19.2	64.0						
17		19.20	0.870	3132	16.3	7.8	<0.1	<0.31	7.6	23.8	84	5.0	15.7	1.02	3.19	0.95	2.98	0.048	0.15	3.53	11.06	4.55	12.25	0.204	0.64	0.331	1.04	10.1	31.6	16.0	50.1						
18		23.40	0.870	3132	15.3	7.6	<0.1	<0.31	7.7	24.1	83	3.7	11.6	1.10	3.44	0.80	2.51	0.042	0.13	1.43	4.48	2.53	7.92	0.200	0.63	0.340	1.06	10.1	31.6	17.0	53.2						
19	29. 6. 61	04.10	0.870	3132	14.3	7.7	<0.1	<0.31	7.2	22.6	76	1.7	5.3	0.86	2.69	0.55	1.72	0.040	0.13	1.52	4.76	2.38	7.45	0.146	0.46	0.173	0.54	10.9	34.1	14.7	46.0	0.2	0.63	0.004	19.8	16.3	
20		08.00	0.870	3132	14.3	7.7	<0.1	<0.31	9.0	28.2	95	4.7	14.7	1.44	4.51	0.88	2.76	0.041	0.13	1.55	4.85	2.99	9.36	0.176	0.55	0.211	0.66	10.6	33.2	16.2	50.7						
21		11.45	0.820	2952	16.3	7.8	<0.1	<0.30	9.6	28.3	106	8.0	23.6	2.75	8.12	1.46	4.31	0.051	0.15	1.59	4.69	4.34	12.81	0.260	0.77	0.404	1.19	10.2	30.1	21.4	63.2						
22		15.35	0.820	2952	17.8	7.8	<0.1	<0.30	9.4	27.7	107	6.3	18.6	2.64	7.79	0.68	2.01	0.0																			

Untersuchung der Seezuflüsse

Probeentnahmestelle:
Rotach
Okt. – Nov. 1961

Untersuchendes Institut
Staatl. Institut für Seenforschung
Langenargen

Datum	Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe		Sauerstoff		Sättigung %	BSB ₅		Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionische Detergentien		Gesamt- Härte °dH	Karbonat- Härte °dH	Bemerkungen		
		m³/s	m³/h		pH	ml/l	m³/h	mg/l		kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l				kg/h	
1	30.10.61	01.05	0.925	3330	8.5	8.1	<0.1	<0.33	9.0	30.0	84	5.6	18.6	2.11	7.0	0.71	2.4	0.027	0.089	1.44	4.8	3.55	11.8	0.257	0.86	0.223	0.74	11.7	39.0	27.6	91.9	0.3	1.0	17.9	17.3	
2		05.00	0.925	3330	8.5	8.1	<0.1	<0.33	9.0	30.0	84	7.3	24.3	1.67	5.6	0.54	1.8	0.028	0.093	1.48	4.9	3.15	10.5	0.129	0.43	0.256	0.85	11.5	38.3	19.8	39.3					
3		09.00	0.87	3132	8.6	7.7	<0.1	<0.31	9.1	28.5	85	5.6	17.5	2.41	7.5	1.22	3.8	0.029	0.090	1.40	4.4	3.81	11.9	0.189	0.59	0.269	0.84	12.7	39.8	18.7	58.6					
4		13.05	0.82	2952	9.1	7.8	0.1	0.30	9.0	26.6	85	5.9	17.4	2.77	8.2	1.93	5.7	0.038	0.112	1.38	4.1	4.15	12.3	0.285	0.84	0.560	1.65	12.3	36.3	19.2	56.7					
5		17.15	0.77	2772	9.0	8.0	<0.1	<0.28	8.5	23.6	80	5.5	15.2	2.76	7.7	1.37	3.8	0.035	0.097	1.34	3.7	4.10	11.4	0.255	0.71	0.200	0.55	12.3	34.1	18.2	50.5					
6		20.50	0.77	2772	8.8	8.0	<0.1	<0.28	8.1	22.5	76	6.9	19.1	2.91	8.1	1.57	4.4	0.038	0.105	1.41	3.9	4.32	12.0	0.264	0.73	0.541	1.50	1.7	4.7	18.5	51.3					
7	31.10.61	02.10	0.77	2772	8.5	7.7	<0.1	<0.28	8.2	22.7	76	3.3	9.1	2.93	8.1	0.81	2.2	0.030	0.083	1.37	3.8	4.30	11.9	0.174	0.48	0.436	1.21	13.3	36.9	15.9	44.1	0.2	0.6	18.8	18.6	
8		05.55	0.77	2772	8.5	8.0	<0.1	<0.28	6.0	16.3	56	2.7	7.5	0.70	1.9	1.15	3.2	0.027	0.075	1.43	4.0	2.13	5.9	0.084	0.23	0.257	0.71	11.4	31.6	14.5	40.2					
9		10.05	0.82	2952	8.7	8.0	<0.1	<0.30	8.7	25.7	81	4.9	14.5	2.86	8.4	1.37	4.0	0.022	0.065	1.33	3.9	4.19	12.4	0.264	0.78	0.509	1.50	14.6	43.1	16.0	47.2					
10		13.55	0.77	2772	9.5	8.2	0.1	0.28	9.1	25.2	87	7.2	20.0	3.01	8.3	2.09	5.8	0.032	0.089	1.20	3.3	4.21	11.7	0.401	1.11	0.866	2.40	14.6	40.5	19.1	52.9					
11		18.00	0.77	2772	9.0	8.0	<0.1	<0.28	8.5	23.6	80	6.3	17.5	2.44	6.8	1.34	3.7	0.039	0.108	1.33	3.7	3.77	10.5	0.263	0.73	0.718	2.00	12.3	34.1	16.4	45.4					
12		21.35	0.71	2556	8.4	8.0	<0.1	<0.26	8.0	20.4	74	4.1	10.5	2.53	6.5	1.93	4.9	0.038	0.097	1.27	3.2	3.80	9.7	0.280	0.71	0.767	1.96	11.5	29.4	15.1	38.6					
13	1.11.61	02.45	0.71	2556	8.2	8.0	<0.1	<0.26	9.1	23.3	84	3.9	10.0	1.39	3.6	0.80	2.0	0.027	0.070	1.44	3.7	2.83	7.2	0.186	0.48	0.104	0.27	11.9	30.4	13.7	35.0	0.3	0.8	19.3	17.2	
14		06.45	0.71	2556	8.0	8.1	<0.1	<0.26	9.4	24.0	86	3.7	9.5	1.09	2.8	0.56	1.4	0.021	0.054	1.46	3.7	2.55	6.5	0.143	0.37	0.308	0.78	13.7	35.0	12.5	32.0					
15		10.55	0.77	2772	8.4	8.1	<0.1	<0.28	9.0	24.9	83	4.2	11.6	2.63	7.3	1.47	4.1	0.021	0.058	1.33	3.7	3.96	11.0	0.306	0.85	0.217	0.60	12.3	34.1	15.3	42.4					
16		15.05	0.71	2556	9.0	8.2	<0.1	<0.26	9.3	23.8	87	3.7	9.5	3.11	7.9	1.87	4.8	0.030	0.077	1.29	3.3	4.40	11.2	0.399	1.02	0.569	1.45	13.1	33.5	14.8	37.8					
17		19.00	0.71	2556	8.5	8.0	<0.1	<0.26	8.7	22.2	81	4.7	12.0	2.43	6.2	1.25	3.2	0.050	0.127	1.26	3.2	3.69	9.4	0.242	0.62	0.181	0.46	12.5	32.0	13.6	34.8					
18		22.30	0.71	2556	8.6	7.9	<0.1	<0.26	8.6	22.0	80	5.8	14.8	2.64	6.7	1.63	4.2	0.042	0.107	1.30	3.3	3.94	10.1	0.309	0.79	0.176	0.45	11.4	29.1	12.9	33.0					
19	2.11.61	04.20	0.77	2772	8.2	7.9	<0.1	<0.28	9.6	26.6	89	5.0	13.9	1.93	5.3	0.89	2.5	0.020	0.055	1.30	3.6	3.23	9.0	0.174	0.48	0.301	0.83	10.3	28.6	11.4	31.6	0.2	0.6	18.8	17.1	
20		08.00	0.77	2772	8.6	8.0	<0.1	<0.28	9.6	26.6	89	4.5	12.5	1.90	5.3	0.95	2.6	0.019	0.053	1.35	3.7	3.25	9.0	0.171	0.47	0.235	0.65	12.1	33.5	11.6	32.2					
21		12.20	0.77	2772	8.5	8.0	<0.1	<0.28	9.0	24.9	84	6.8	18.8	3.20	8.9	1.78	4.9	0.032	0.089	1.20	3.3	4.40	12.2	0.302	0.84	0.521	1.44	13.8	38.3	17.7	49.1					
22		16.05	0.82	2952	8.9	8.1	<0.1	<0.30	9.1	26.9	86	8.6	25.4	2.68	7.9	0.93	2.7	0.043	0.127	1.34	4.0	4.02	11.9	0.286	0.84	0.592	1.75	38.1	112.5	31.2	92.1					
23		19.50	0.87	3132	7.8	8.0	<0.1	<0.31	8.4	26.3	77	3.6	11.3	2.09	6.5	1.38	4.3	0.048	0.150	1.24	3.9	3.23	10.1	0.270	0.85	0.365	1.14	15.2	47.6	7.2	22.6					
24		22.25	0.77	2772	7.5	7.9	<0.1	<0.28	8.7	24.1	79	3.8	10.5	2.35	6.5	3.06	8.5	0.038	0.105	1.27	3.5	3.62	10.0	0.441	1.22	0.335	0.93	12.3	34.1	12.1	33.5					
25	3.11.61	04.50	0.77	2772	6.8	8.0	<0.1	<0.28	4.4	12.2	39	1.6	4.4	1.69	4.7	0.58	1.6	0.026	0.072	1.24	3.4	2.93	8.1	0.130	0.36	0.244	0.68	13.0	36.0	14.0	38.8	0.3	0.8	19.3	17.4	
26		08.55	0.82	2952	7.0</																															

Untersuchung der Seezuflüsse

Datum	Tageszeit	Wasser- führung		Temperatur	Absetzbare Stoffe			Sauerstoff			BSB ₅		Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionische Detergenzien		Gesamt- Härte °dH	Karbonat- Härte °dH	Bemerkungen	
					pH	ml/l	m³/h	mg/l	kg/h	%	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h						
		m³/s	m³/h	°C																																
1	27.2.61	06.00	0.054	194.4	6.3	8.00	0.05	0.009	13.7	2.7	121	13.6	2.6	1.63	0.30	1.12	0.23	0.052	0.010	1.93	0.44	3.56	0.74	0.130	0.025	0.248	0.048	14.8	2.8	18	3.5	0.2	0.04	19.8	17.1	
2		09.03	0.031	111.6	6.0	8.00	0.05	0.006	14.3	1.6	125	5.3	0.6	1.61	0.19	1.32	0.14	0.046	0.005	1.92	0.20	3.53	0.39	0.116	0.013	0.257	0.029	15.8	1.8	20	2.2	0.1	0.01	18.6	16.0	
3		12.50	0.137	493.2	7.4	8.00	0.05	0.025	15.7	7.7	143	15.3	7.5	1.89	0.88	0.88	0.43	0.048	0.024	1.98	1.03	3.87	1.91	0.050	0.025	0.233	0.115	14.7	7.3	27	13.3	0.2	0.90	18.8	17.1	
4		17.00	0.137	493.2	8.0	8.20	Spur		14.4	7.1	132	13.9	6.9	1.58	0.82	0.52	0.29	0.051	0.025	1.80	0.90	3.38	1.72	0.052	0.026	0.244	0.120	14.9	7.4	28	13.8	0.3	1.48	18.9	17.4	
5		21.00	0.110	396.0	8.2	8.20	0.05	0.020	12.5	5.0	116	7.8	3.1	2.85	1.13	0.86	0.34	0.063	0.025	1.98	0.78	4.83	1.91	0.122	0.048	0.470	0.186	15.3	6.1	27	10.7	0.5	1.98	18.7	17.6	
6	28.2.61	01.10	0.137	493.2	8.0	8.10	0.15	0.074	12.1	6.0	111	6.6	3.3	3.16	1.63	1.30	0.61	0.081	0.040	1.76	0.90	4.92	2.53	0.174	0.086	0.577	0.285	15.8	7.8	26	12.8	0.7	3.45	18.9	17.6	
7		05.25	0.054	194.4	7.4	8.15	0.05	0.010	13.2	2.6	120	7.1	1.4	3.51	0.68	1.30	0.25	0.070	0.014	1.66	0.32	5.17	1.00	0.228	0.044	0.485	0.094	15.9	3.1	21	4.1	0.5	0.10	18.4	18.0	
8		09.15	0.031	111.6	6.4	8.05	0.05	0.006	12.6	1.4	111	8.5	0.9	3.77	0.44	1.38	0.24	0.054	0.006	1.85	0.20	5.62	0.66	0.203	0.023	0.409	0.046	14.7	1.6	22	2.5	0.4	0.04	18.7	18.1	
9		13.00	0.137	493.2	7.4	8.20	Spur		9.9	4.9	90	8.6	4.2	1.65	0.79	0.85	0.43	0.039	0.019	1.96	1.00	3.61	1.79	—	—	0.648	0.319	14.6	7.2	35	17.3	0.3	1.48	18.8	17.1	
10		16.45	0.163	586.8	6.6	8.00	0.05	0.029	11.1	6.5	98	8.6	5.1	—	—	0.65	0.38	0.044	0.026	2.40	1.41	—	—	—	—	0.387	0.227	14.3	8.4	18	10.6	0.4	2.34	20.2	18.5	
11		21.10	0.137	493.2	6.0	8.00	0.10	0.049	9.7	4.8	85	2.7	1.3	1.84	0.90	0.83	0.40	0.065	0.032	2.00	1.20	4.24	2.10	0.184	0.091	0.468	0.231	16.1	7.9	24	11.8	0.5	2.47	19.9	18.4	
12	1.3.61	01.00	0.189	680.4	5.8	8.00	0.05	0.034	9.4	6.4	82	7.3	5.0	2.48	1.69	—	—	0.075	0.051	2.00	1.36	4.48	3.05	0.400	0.272	0.732	0.498	17.2	11.7	32	21.8	1.0	6.80	19.2	17.8	
13		05.35	0.189	680.4	5.1	8.00	0.10	0.068	9.6	6.5	82	5.4	3.7	1.99	1.35	1.70	1.16	0.052	0.035	1.84	1.25	3.83	2.60	0.234	0.160	0.370	0.252	16.5	11.2	24	16.3	0.5	3.40	20.9	18.8	
14		09.20	0.163	586.8	5.4	8.00	Spur		10.3	6.0	89	4.4	2.6	1.75	1.03	1.48	0.87	0.044	0.026	1.96	1.15	3.71	2.18	0.191	0.112	0.292	0.171	16.7	9.8	22	12.9	0.2	1.17	20.1	19.0	
15		12.40	0.189	680.4	5.9	7.90	0.15	0.100	11.3	7.7	99	6.6	4.5	1.60	1.09	1.18	0.80	0.044	0.030	2.04	1.39	3.64	2.48	—	—	0.342	0.232	15.7	10.7	26	17.7	0.4	2.72	19.6	18.1	
16		17.10	0.189	680.4	6.5	8.00	0.05	0.034	12.5	8.5	111	10.4	7.1	1.42	0.97	1.07	0.73	0.043	0.029	1.90	1.30	3.32	2.26	—	—	0.313	0.213	14.3	9.7	35	23.8	0.6	4.08	18.0	17.3	
17		21.10	0.189	680.4	6.2	8.05	0.05	0.034	11.6	7.9	102	3.5	2.4	2.43	1.65	1.05	0.71	0.046	0.031	1.90	1.30	4.33	2.95	0.137	0.093	0.427	0.291	15.7	1							

Untersuchung der Seezuflüsse

Grenzbach

Juni – Juli 1961

Staatl. Institut für Seenforschung

Langenargen

Datum	Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe			Sauerstoff			BSB ₅		Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionaktive Detergentien		Gesamt- Härte °dH	Karbonat- Härte °dH	Bemerkungen	
		m³/s	m³/h		pH	ml/l	m³/h	mg/l	kg/h	%	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h				
1	26. 6. 61	01.15	0.039	140.1	19.2	7.1	<0.1	<0.014	3.6	0.51	42	5.43	0.76	3.52	0.49	—	—	0.200	0.028	2.35	0.33	—	—	0.316	0.044	0.957	0.134	21.4	3.0	31.4	4.4	1.6	0.224	22.8	20.2	
2		04.50	0.068	244.8	17.6	7.2	0.2	0.049	4.3	1.05	49	2.70	0.66	—	—	3.37	0.82	0.173	0.042	2.27	0.56	—	—	0.644	0.158	0.893	0.219	23.5	5.8	26.9	6.6					
3		08.35	0.068	244.8	17.0	7.4	<0.1	<0.024	4.5	1.10	50	5.1	1.25	2.47	0.60	—	—	0.189	0.046	1.88	0.46	—	—	0.665	0.163	1.153	0.282	24.3	5.9	30.2	7.4					
4		12.25	0.068	244.8	18.0	7.2	1.5	0.367	4.3	1.05	49	10.0	2.45	2.57	0.63	—	—	0.227	0.056	2.45	0.60	5.02	1.23	0.585	0.143	1.055	0.258	21.3	5.2	30.9	7.6					
5		16.50	0.068	244.8	21.4	7.2	<0.1	<0.024	3.4	0.83	41	10.8	2.64	1.47	0.36	1.24	0.30	0.301	0.074	3.28	0.80	4.75	1.16	0.367	0.090	0.654	0.160	20.9	5.1	29.1	7.2					
6		20.55	0.084	302.4	21.2	7.4	0.1	0.030	3.3	1.00	40	11.4	3.45	2.80	0.85	—	—	0.272	0.082	2.17	0.66	4.97	1.50	0.460	0.139	0.997	0.301	23.4	7.1	31.3	9.5					
7	27. 6. 61	01.15	0.068	244.8	19.8	7.3	<0.1	<0.024	3.4	0.83	40	5.5	1.35	6.19	1.52	3.57	0.87	0.170	0.042	1.07	0.26	7.26	1.78	0.333	0.082	1.229	0.301	11.4	2.8	30.7	7.5	1.6	0.392	40.8	19.5	
8		05.30	0.068	244.8	18.2	7.6	<0.1	<0.024	3.8	0.93	44	10.1	2.47	5.52	1.35	4.12	1.01	0.133	0.033	0.88	0.22	6.40	1.57	1.009	0.247	1.330	0.326	25.2	6.2	29.7	7.3					starke Schaumbildung
9		09.20	0.084	302.4	17.7	7.2	<0.1	<0.030	4.0	1.21	45	7.3	2.21	3.37	1.02	—	—	0.148	0.045	1.30	0.39	—	—	0.713	0.216	0.627	0.190	24.6	7.4	30.0	9.1					
10		13.20	0.084	302.4	18.0	7.0	<0.1	<0.030	4.1	1.24	47	6.7	2.03	—	—	3.21	0.97	0.181	0.055	2.06	0.62	—	—	0.482	0.146	0.342	0.103	21.4	6.5	35.4	10.7					
11		17.50	0.084	302.4	18.4	7.0	0.2	—	4.2	1.27	48	6.2	1.87	4.35	1.32	2.05	0.62	0.246	0.074	2.74	0.83	7.09	2.14	0.681	0.206	1.006	0.304	21.2	6.4	35.2	10.6					
12		22.05	0.140	504.0	—	6.7	0.3	0.151	4.4	2.22	—	3.2	1.61	6.96	3.51	4.42	2.23	0.172	0.087	1.43	0.72	8.39	4.23	0.896	0.452	1.216	0.613	23.7	11.9	38.3	19.3					
13	28. 6. 61	02.55	0.101	363.6	—	6.9	<0.1	<0.036	4.2	1.53	—	3.2	1.16	4.84	1.76	1.55	0.56	0.130	0.047	1.24	0.45	6.08	2.21	0.831	0.302	1.126	0.409	21.5	7.8	34.9	12.7	0.8	0.291	20.4	18.8	
14		06.40	0.084	302.4	15.5	7.0	<0.1	<0.030	4.5	1.36	49	2.7	0.82	4.44	1.34	3.34	1.01	0.138	0.042	1.84	0.56	6.28	1.90	0.742	0.224	0.995	0.301	19.7	6.0	33.3	10.1					
15		10.20	0.084	302.4	15.0	7.0	<0.1	<0.030	5.1	1.54	55	0.8	0.24	4.52	1.37	3.23	0.98	0.163	0.049	2.14	0.65	—	—	0.522	0.158	0.882	0.267	18.5	5.6	31.1	9.4					
16		14.20	0.084	302.4	16.4	7.5	<0.1	<0.030	4.8	1.45	53	3.4	1.03	—	—	1.06	0.32	0.194	0.059	2.81	0.85	—	—	0.420	0.127	0.658	0.199	23.5	7.1	31.0	9.4					
17		18.55	0.084	302.4	17.6	7.7	<0.1	<0.030	4.3	1.30	49	4.5	1.36	—	—	1.78	0.54	0.242	0.073	2.80	0.85	—	—	0.506	0.153	0.822	0.249	20.9	6.3	31.0	9.4					
18		23.20	0.068	244.8	16.6	7.8	<0.1	<0.024	4.7	1.15	52	4.1	1.00	2.15	0.53	0.31	0.08	0.195	0.048	2.21	0.54	4.36	1.07	0.712	0.174	1.033	0.253	21.9	5.4	29.5	7.2					
19	29. 6. 61	03.45	0.053	190.8	14.8	7.4	0.1	0.019	5.6	1.07	60	5.3	1.01	3.60	0.69	2.70	0.52	0.148	0.028	1.92	0.37	5.52	1.05	0.789	0.151	1.040	0.198	24.1	5.0	31.5	6.0	1.2	0.229	23.2	20.6	Schaumbildung
20		07.40	0.053	190.8	14.0	7.5	<0.1	<0.019	5.1	0.97	54	5.9	1.13	4.41	0.84	3.40	0.65	0.120	0.023	2.16	0.41	6.57	1.25	0.813	0.155	0.987	0.188	10.2	1.9	25.1	4.8					
21		11.20	0.053	190.8	14.6	7.3	<0.1	<0.019	5.5	1.05	59	2.2	0.42	2.95	0.56	—	—	0.119	0.023	2.75	0.52	—	—	0.606	0.116	1.073	0.205	22.3	4.3	34.2	6.5					Schaumbildung
22		15.10	0.068	244.8	17.2	7.5	<0.1	<0.024	6.4	1.57	72	5.9	1.44	2.32	0.57	0.94	0.23	0.182	0.045	3.66	0.90	5.98	1.46	0.548	0.134	0.883	0.216	21.5	5.3	27.5	6.7					geringe Schaumbildung
23		19.45	0.068	244.8	19.8	7.4	0.1	0.024	4.0	0.98	47	7.6	1.86	3.03	0.74	1.44	0.35	0.297	0.073	3.57	0.87	6.60	1.62	0.596	0.146	0.782	0.191	24.2	5.9	25.1	6.1					
24		23.45	0.068	244.8	18.8	7.5	<0.1	<0.024	3.6	0.88	42	5.8	1.42	—	—	3.43	0.84	0.221	0.054	2.42	0.59	—	—	0.709	0.174	0.981	0.240	11.2	2.7	28.2	6.9					
25	3																																			

Untersuchung der Seezuflüsse

Probeentnahmestelle:

Grenzbach

Okt. — Nov. 1961

Untersuchendes Institut

Staatl. Institut für Seenforschung

Langenargen

Datum	Tageszeit	Wasser- führung		Temperatur	Absetzbare Stoffe			Sauerstoff		Sättigung	BSB ₅		Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionische Detergentien		Gesamt- Härte °dH	Karbonat- Härte °dH	Bemerkungen	
		m³/s	m³/h	°C	pH	ml/l	m³/h	mg/l	kg/h	%	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h				
1	30.10.61	00.55	0.026	93.6	8.5	7.7	<0.1	<0.009	4.0	0.37	37	14.9	1.39	3.45	0.32	3.17	0.30	0.074	0.007	2.16	0.20	5.61	0.52	1.097	0.103	1.311	0.123	38.8	3.6	85.2	8.0	0.8	0.075	21.3	19.1	
2		00.55	0.026	93.6	8.5	7.7	<0.1	<0.009	4.0	0.37	37	14.9	1.44	—	—	2.36	0.22	0.074	0.007	2.31	0.22	—	—	0.954	0.089	0.983	0.092	32.4	3.0	41.0	3.8					
3		04.40	0.026	93.6	9.2	7.7	<0.1	<0.009	4.6	0.43	43	15.4	0.49	3.15	0.29	1.96	0.18	0.081	0.008	2.11	0.20	5.26	0.49	0.845	0.079	0.857	0.080	26.0	2.4	18.5	1.7					
4		07.45	0.026	93.6	9.0	7.5	<0.1	<0.009	4.7	0.44	44	5.2	0.36	2.72	0.25	1.43	0.13	0.088	0.008	1.95	0.18	4.67	0.43	0.833	0.078	0.868	0.081	27.6	2.6	31.4	2.4					
5		09.50	0.026	93.6	9.5	7.5	<0.1	<0.009	5.2	0.49	49	3.8	0.25	3.11	0.16	1.76	0.08	0.078	0.004	1.99	0.09	5.10	0.25	0.681	0.032	1.067	0.050	27.2	1.3	27.2	1.3					
6		17.00	0.013	46.8	9.5	7.5	<0.1	<0.005	5.0	0.23	48	5.4	0.27	3.34	0.15	1.65	0.08	0.078	0.004	2.48	0.12	5.82	0.27	0.665	0.031	1.046	0.049	26.0	1.2	27.0	1.3					
7		20.35	0.013	46.8	9.4	7.6	<0.1	<0.005	4.8	0.22	46	5.7	0.37	—	—	1.67	0.16	0.085	0.008	2.04	0.19	—	—	0.701	0.066	1.054	0.099	31.2	2.9	26.2	2.5	0.8	0.075	20.7	20.1	
8	31.10.61	01.55	0.026	93.6	9.3	8.1	<0.1	<0.009	4.5	0.42	43	3.9	0.46	—	—	1.70	0.16	0.088	0.008	2.24	0.21	—	—	0.706	0.066	(0.466)	(0.044)	23.6	2.2	25.6	2.4					
9		05.40	0.026	93.6	9.2	7.8	<0.1	<0.009	4.5	0.42	43	4.9	0.46	2.76	0.26	1.43	0.14	0.093	0.009	2.32	0.22	5.08	0.48	0.755	0.071	1.055	0.099	33.6	3.1	24.6	2.3					
10		09.45	0.026	93.6	9.1	7.7	<0.1	<0.009	4.7	0.44	44	4.9	0.17	3.67	0.34	2.78	0.26	0.110	0.010	2.15	0.20	5.93	0.55	0.699	0.065	1.359	0.127	38.0	3.6	27.0	2.5					
11		13.40	0.026	93.6	9.6	7.7	<0.1	<0.009	5.2	0.49	50	1.8	0.50	2.88	0.27	1.18	0.11	0.089	0.008	2.03	0.19	4.91	0.46	0.577	0.054	1.530	0.143	33.2	3.1	28.0	2.6					
12		17.35	0.026	93.6	9.5	7.7	<0.1	<0.009	4.7	0.44	45	5.3	0.51	2.88	0.27	1.98	0.19	0.080	0.007	1.95	0.18	4.83	0.45	0.721	0.067	1.703	0.159	28.4	2.7	25.6	2.4					
13		21.20	0.026	93.6	8.8	7.8	<0.1	<0.009	4.7	0.44	44	5.5	0.27	2.19	0.14	1.63	0.11	0.078	0.005	2.26	0.15	4.45	0.29	1.039	0.067	1.255	0.081	24.4	1.6	26.0	1.7	0.9	0.058	20.9	20.2	
14	1.11.61	02.25	0.018	64.8	9.0	7.7	<0.1	<0.006	4.6	0.30	43	4.1	0.20	2.22	0.14	1.72	0.11	0.078	0.005	2.38	0.15	4.60	0.29	0.964	0.062	1.255	0.081	24.4	1.6	25.0	1.6					
15		06.20	0.018	64.8	8.9	7.7	<0.1	<0.006	4.2	0.27	39	3.1	0.37	3.00	0.28	1.95	0.18	0.088	0.008	1.75	0.16	4.75	0.44	1.011	0.095	1.199	0.112	24.4	2.3	32.7	3.1					
16		10.40	0.026	93.6	8.8	7.7	<0.1	<0.009	4.5	0.42	42	4.0	0.52	2.47	0.23	1.61	0.15	0.080	0.007	1.52	0.14	3.99	0.37	0.854	0.080	0.995	0.093	25.2	2.4	29.7	2.8					
17		14.50	0.026	93.6	9.3	7.7	<0.1	<0.009	4.7	0.44	45	5.6	0.63	3.25	0.30	1.88	0.18	0.095	0.009	1.33	0.12	4.58	0.42	0.935	0.088	1.119	0.105	27.2	2.5	14.7	1.4					
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Untersuchung der Seezuflüsse

Probeentnahmestelle:
Seefelder Aach

Untersuchendes Institut
Staatl. Institut für Seenforschung
Langenargen

Datum	Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe			Sauerstoff		BSB ₅	Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionaktive Detergentien		Gesamt- Härte °dH	Karbonat- Härte °dH	Bemerkungen			
		m ³ /s	m ³ /h		pH		mg/l	kg/h		mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	°dH	°dH					
					ml/l	m ³ /h																														
1	27. 2. 61	05.45	4.14	14 904	7.0	8.50	0.05	0.74	12.2	181.8	110	3.45	51.4	0.61	9.1	0.15	2.2	0.011	0.16	2.10	31.3	2.71	40.4	0.028	0.41	0.074	1.10	11.6	172.9	14	209	Spur	—	18.2	16.6	
2		09.15	3.19	11 484	6.9	8.00	0.05	0.57	11.9	136.7	106	0.96	11.0	0.50	5.7	0.14	1.6	0.011	0.13	1.90	21.8	2.40	27.6	0.029	0.33	0.087	1.00	14.8	170.0	13	149	Spur	—	18.6	16.1	
3		12.35	2.81	10 116	7.0	8.10	0.05	0.51	11.9	120.4	107	0	0	0.42	4.2	0.11	1.1	0.016	0.16	2.10	21.2	2.52	25.5	0.010	0.10	0.057	0.58	11.0	113.3	12	123	Spur	—	18.4	16.2	
4		16.25	2.59	9 324	8.2	8.20	Spur	—	11.3	105.4	105	—	—	0.59	5.5	0.11	1.0	0.015	0.14	2.04	19.0	2.63	24.7	0.025	0.23	0.079	0.92	11.2	106.3	12	112	0.1	1.0	18.5	16.4	
5		20.25	3.58	12 888	8.2	8.20	0	0	11.0	141.8	102	1.46	18.8	1.06	13.7	0.04	0.5	0.012	0.15	1.90	24.5	2.96	38.1	0.019	0.25	0.143	1.84	10.8	139.2	13	168	Spur	—	18.4	16.5	
6	28. 2. 61	00.40	2.70	9 720	8.0	8.25	0.15	1.46	11.1	107.8	102	0.31	3.1	—	—	0.10	0.9	0.014	0.14	1.95	18.9	—	—	0.035	0.34	0.100	0.97	11.3	109.8	29	282	Spur	—	18.2	16.7	
7		05.00	2.70	9 720	7.8	8.30	0.10	0.97	11.4	110.8	105	5.13	49.9	1.00	9.7	0.08	0.8	0.014	0.14	1.94	18.9	2.94	28.6	0.021	0.20	0.086	0.84	10.2	99.4	12	117	Spur	—	18.1	16.8	
8		08.50	2.70	9 720	7.2	8.10	0.10	0.97	11.4	110.8	103	1.78	17.3	0.86	8.4	0.40	3.9	0.014	0.14	2.14	20.8	3.00	29.2	0.034	0.33	0.085	0.83	10.2	99.4	10	97	0.1	1.0	18.7	16.6	
9		12.30	2.27	8 172	7.6	8.10	Spur	—	17.5	143.0	159	0.26	2.1	0.51	4.2	0.13	1.1	0.014	0.11	2.12	17.3	2.63	21.5	—	—	0.116	0.95	11.1	90.7	13	106	0.1	0.8	18.3	16.3	
10		16.15	2.70	9 720	8.1	7.50	0.05	0.49	11.2	108.8	103	0.55	5.4	0.48	4.7	0.13	1.3	0.020	0.19	2.24	21.8	2.72	26.4	—	—	0.100	0.97	11.1	107.8	12	117	Spur		18.4	16.5	
11		20.35	3.19	11 484	6.6	8.40	0.03	0.34	11.5	132.0	102	1.72	19.8	0.57	6.5	0.09	1.0	0.011	0.13	2.12	24.3	2.69	30.9	0.034	0.39	0.064	0.73	13.5	155.0	13	149	Spur		17.9	16.2	
12	1. 3. 61	00.30	2.81	10 116	6.4	8.35	0.10	1.01	11.4	115.3	101	1.60	16.2	0.55	5.6	0.07	0.7	0.016	0.16	1.98	20.0	2.53	25.6	0.051	0.52	0.244	2.47	11.5	116.3	13	132	Spur		17.9	16.2	
13		05.00	2.81	10 116	6.2	8.15	0.05	0.51	11.4	115.3	100	0	0	0.60	6.1	0.13	1.3	0.011	0.11	2.14	21.7	2.74	27.8	0.032	0.32	0.094	0.95	11.7	118.3	15	152	Spur		18.9	16.8	
14		08.45	2.93	10 548	5.9	8.10	0.15	1.58	11.5	121.3	101	3.62	38.2	0.66	7.0	0.08	0.8	0.016	0.17	2.08	21.9	2.74	28.9	0.031	0.33	0.088	0.93	11.6	122.3	16	169	Spur		19.3	16.6	
15		12.20	3.44	12 384	6.6	8.00	0.10	1.23	11.8	146.1	104	6.59	81.6	0.64	7.9	0.18	2.2	0.015	0.19	2.08	25.8	2.72	33.7	—	—	0.074	0.92	11.8	146.1	15	186	Spur		18.4	16.3	
16		16.15	3.19	11 484	7.0	8.10	0.05	0.57	11.6	133.2	105	3.52	40.4																							

Untersuchung der Seezuflüsse

Datum	Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe		Sauerstoff		Sättigung ‰	BSB ₅		Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P	Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionaktive Detergenzien	Gesamt- Härte °dH	Karbonat- Härte °dH	Bemerkungen				
		m³/s	m³/h		pH	ml/l	m³/h	mg/l		kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l		kg/h	mg/l	kg/h	mg/l	kg/h	mg/l					kg/h	mg/l	kg/h	
1	26. 6. 61	00.35	1.77	6372	18.2	7.5	<0.1	<0.64	8.4	53.5	96	2.1	13.4	1.85	11.8	0.38	2.4	0.044	0.28	1.87	11.9	3.72	23.7	0.050	0.32	0.100	0.64	11.0	70.1	16.9	107.7	0.6	3.82	16.9	15.6	
2		04.25	2.47	8892	18.2	7.1	0.2	1.78	8.7	77.4	99	1.6	14.2	0.09	0.8	0.15	1.3	0.047	0.42	1.86	16.5	—	—	0.042	0.37	0.106	0.94	11.5	102.3	14.6	129.8					
3		08.05	2.35	8460	18.1	7.3	0.2	1.69	8.3	70.2	95	6.6	55.8	1.00	8.5	0.26	2.2	0.038	0.32	2.74	23.2	3.74	31.6	0.044	0.37	0.081	0.69	12.8	108.3	15.6	132.0					
4		12.00	2.14	7704	19.0	7.5	<0.1	<0.77	9.3	71.6	108	4.6	35.4	1.33	10.2	0.32	2.5	0.056	0.43	2.51	19.3	3.84	29.6	0.054	0.42	0.103	0.79	13.4	103.2	19.5	150.2					
5		16.25	1.86	6696	20.1	7.4	<0.1	<0.67	8.4	56.2	99	10.6	71.0	1.20	8.0	0.31	2.1	0.022	0.15	1.96	13.1	3.16	21.2	0.054	0.36	0.145	0.97	14.0	93.7	29.1	194.9					
6		20.25	2.14	7704	19.4	7.6	<0.1	<0.77	7.8	60.1	91	1.87	14.4	0.97	7.5	0.19	1.5	0.061	0.47	2.62	20.2	3.59	27.7	0.024	0.18	0.112	0.86	12.4	95.5	19.9	153.3					
7	27. 6. 61	00.45	1.95	7020	19.2	7.6	<0.1	<0.70	8.5	59.7	99	1.54	10.8	1.74	12.2	0.04	0.3	0.052	0.37	1.53	10.7	3.27	23.0	0.049	0.34	0.138	0.97	11.3	79.3	16.3	114.4	0.3	2.10	18.4	15.2	
8		05.00	1.86	6696	18.6	7.9	<0.1	<0.67	8.6	57.6	99	1.0	6.7	0.81	5.4	0.10	0.7	0.056	0.37	1.67	11.2	2.48	16.6	0.064	0.43	0.131	0.88	11.5	77.0	15.2	101.8					
9		08.55	1.86	6696	18.2	7.3	<0.1	<0.67	8.5	56.9	97	3.2	21.4	0.79	5.3	1.00	6.7	0.054	0.36	1.55	10.4	—	—	0.031	0.21	0.323	2.16	12.5	83.7	14.5	97.1					
10		12.55	1.68	6048	18.5	7.3	<0.1	<0.60	8.9	53.8	102	1.4	8.5	0.99	6.0	0.07	0.4	0.050	0.30	1.67	10.1	2.66	16.1	0.054	0.33	0.377	2.28	12.3	74.4	14.4	87.1					
11		17.20	2.04	7344	18.1	7.3	<0.1	<0.73	8.9	65.4	102	4.8	35.3	1.62	11.9	0.05	0.4	0.041	0.30	1.95	14.3	3.57	26.2	0.054	0.40	0.104	0.76	13.0	95.4	18.6	136.6					
12		21.40	1.95	7020	16.1	7.0	<0.1	<0.70	9.0	63.2	99	0.8	5.6	1.77	12.4	0.11	0.8	0.045	0.32	1.93	13.5	3.70	26.0	0.052	0.37	0.107	0.75	11.3	79.3	14.5	101.8					
13	28. 6. 61	02.30	2.04	7344	16.5	7.4	<0.1	<0.73	9.0	66.1	100	0.3	2.2	0.75	5.5	0.17	1.2	0.056	0.41	1.89	13.9	2.64	19.4	0.037	0.27	0.131	0.96	14.8	108.7	15.1	110.9	0.1	0.73	19.3	15.8	
14		06.20	2.24	8064	15.9	7.4	<0.1	<0.81	9.4	75.8	103	1.7	13.7	0.62	5.0	0.11	0.9	0.053	0.43	1.86	15.0	2.48	20.0	0.013	0.10	0.059	0.48	11.4	91.9	16.1	129.8					
15		09.50	1.35	4860	15.8	7.3	<0.1	<0.49	9.3	45.2	101	0.3	1.5	0.52	2.5	0.08	0.4	0.050	0.24	1.80	8.7	2.32	11.3	0.022	0.11	0.075	0.36	12.5	60.8	15.9	77.3					
16		13.55	1.95	7020	16.5	7.1	<0.1	<0.70	10.2	71.6	113	3.3	23.2	0.01	0.1	0.14	1.0	0.045	0.32	1.71	12.0	—	—	0.051	0.36	0.100	0.70	14.3	100.4	17.0	119.3					
17		18.30	1.42	5112	17.2	8.0	<0.1	<0.51	9.8	50.1	110	1.9	9.7	0.45	2.3	—	—	0.043	0.22	1.75	8.9	—	—	0.029	0.15	0.109	0.56	9.3	47.5	16.4	83.8					
18		22.35	0.66	2376	16.2	7.9	<0.1	<0.24	9.6	22.8	105	1.1	2.6	0.51	1.2	1.00	2.4	0.038	0.09	1.80	4.3	2.31	5.5	0.048	0.11	0.014	0.03	10.5	24.9	13.7	32.6					
19	29. 6. 61	03.20	1.86	6696	15.4	7.7	<0.1	<0.67	9.5	63.6	103	1.4	9.4	0.86	5.8	0.05	0.3	0.048	0.32	1.92	12.9	2.78	18.6	0.038	0.25	0.108	0.72	10.1	67.6	13.6	91.1	0.2	1.34	20.6	15.3	
20		07.15	2.04	7344	15.1	7.8	<0.1	<0.73	9.7	71.2	104	0.6	4.4	0.49	3.6	0.04	0.3	0.029	0.21	1.78	13.1	2.27	16.7	0.049	0.36	0.085	0.62	10.0	73.4	15.5	113.8					
21		10.55	1.68	6048	15.8	7.6	<0.1	<0.60	11.0	66.5	120	1.5	9.1	0.47	2.8	0.01	0.1	0.036	0.22	1.89	11.4	2.36	14.3	0.041	0.25	0.431	2.61	17.6	106.4	18.6	112.5					
22		14.45	1.86	6696	17.7	7.9	<0.1	<0.67	11.8	79.0	133	4.9	32.8	0.22	1.5	0.02	0.1	0.037	0.25	1.83	12.3	2.05	13.7	0.049	0.33	0.117	0.78	12.0	80.4	15.8	105.8					
23		19.25	2.04	7344	18.2	7.8	<0.1	<0.73	8.1	59.5	93	5.5	40.4	1.80	13.2	0.07	0.5	0.042	0.31	1.88	13.8	3.68	27.0	0.035	0.26	0.006	0.04	12.5	91.8	14.4	105.8					
24		23.20	1.86	6696	17.2	7.8	<0.1	<0.67	5.7	38.2	64	2.2	14.7	0.88	5.9	0.09	0.6	0.034	0.23	1.72	11.5	2.60	17.4	0.041	0.27	0.061	0.41	11.7	78.3	13.8	92.4					
25	30. 6. 61	04.20	1.68	6048	16.5	7.8	<0.1	<0.60	9.5	57.5	105</																									

Untersuchung der Seezuflüsse

Datum	Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe			Sauerstoff			BSB ₅		Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionaktive Detergentien		Gesamt- Härte °dH	Karbonat- Härte °dH	Bemerkungen	
		m ³ /s	m ³ /h		pH	ml/l	m ³ /h	mg/l	kg/h	%	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h				
1	30.10.61	00.25	1.90	6840	7.7	8.1	<0.1	<0.68	10.3	70.5	94	2.8	19.2	0.77	5.3	0.17	1.2	0.042	0.29	1.90	13.0	2.67	18.3	0.054	0.37	0.088	0.60	11.7	80.0	24.4	166.9	0.1	0.68	17.6	15.1	
2		04.20	1.90	6840	8.8	8.1	<0.1	<0.68	9.6	65.7	90	3.2	21.9	1.27	8.7	0.15	1.0	0.042	0.29	2.01	13.7	3.28	22.4	0.044	0.30	0.049	0.34	12.3	84.1	16.4	112.2					
3		08.20	1.90	6840	8.7	7.8	<0.1	<0.68	9.4	64.3	88	3.2	21.9	1.88	12.9	0.20	1.4	0.048	0.33	1.94	13.3	3.82	26.1	0.044	0.30	0.076	0.52	12.7	86.9	14.9	101.9					
4		12.20	1.90	6840	8.8	8.0	<0.1	<0.68	10.8	73.9	101	1.8	12.3	0.77	5.3	0.24	1.6	0.039	0.27	1.76	12.0	2.53	17.3	0.079	0.54	0.131	0.90	12.6	86.2	18.3	125.2					
5		16.40	1.90	6840	8.9	8.0	<0.1	<0.68	11.0	75.2	103	3.0	20.5	1.25	8.6	0.17	1.2	0.034	0.23	1.84	12.6	3.09	21.1	0.046	0.31	0.113	0.77	14.1	96.4	14.0	95.8					
6		20.15	1.90	6840	8.5	8.1	<0.1	<0.68	10.6	72.5	99	3.7	25.3	0.83	5.7	0.18	1.2	0.036	0.25	1.81	12.4	2.64	18.1	0.039	0.27	0.074	0.51	11.4	80.0	14.3	97.8					
7	31.10.61	01.05	1.90	6840	8.5	8.2	<0.1	<0.68	10.3	70.5	96	2.1	14.4	1.83	12.5	0.19	1.3	0.047	0.32	1.77	12.1	3.60	24.6	0.055	0.38	0.264	1.81	12.0	82.0	13.3	91.0	0.1	0.68	17.9	16.7	
8		05.05	1.90	6840	8.4	8.2	<0.1	<0.68	9.6	65.7	89	3.3	22.6	0.53	3.6	0.13	0.9	0.040	0.27	1.79	12.2	2.32	15.9	0.053	0.36	0.104	0.71	12.7	86.9	13.6	93.0					
9		09.25	1.90	6840	8.6	8.1	<0.1	<0.68	10.0	68.4	93	2.3	15.7	1.20	8.2	0.13	0.9	0.036	0.25	1.86	12.7	3.06	20.9	0.052	0.36	0.093	0.64	13.2	90.3	14.4	98.5					
10		13.20	1.90	6840	9.2	8.2	<0.1	<0.68	10.8	73.9	102	2.0	13.7	2.53	17.3	0.14	1.0	0.034	0.23	1.81	12.4	4.34	29.7	0.049	0.34	0.138	0.94	23.3	159.4	12.3	84.1					
11		17.15	1.90	6840	9.5	8.1	<0.1	<0.68	10.5	71.8	100	5.2	35.6	0.49	3.4	0.13	0.9	0.034	0.23	1.84	12.6	2.33	15.9	0.045	0.31	0.183	1.25	13.1	89.6	15.0	102.6					
12		21.05	1.90	6840	8.5	8.1	<0.1	<0.68	10.7	73.2	99	1.9	13.0	0.70	4.8	0.07	0.5	0.030	0.21	1.90	13.0	2.60	17.8	0.037	0.25	0.150	1.03	11.9	81.4	10.6	72.5					
13	1.11.61	01.55	1.80	6480	8.4	8.1	<0.1	<0.65	10.4	67.4	96	3.6	23.3	0.84	5.4	0.16	1.0	0.036	0.23	2.02	13.1	2.86	18.5	0.055	0.36	0.087	0.56	11.8	76.5	11.6	75.2	0.1	0.65	16.2	16.2	
14		05.55	1.80	6480	8.4	8.1	<0.1	<0.65	10.6	68.7	98	2.3	14.9	0.26	1.7	0.06	0.4	0.031	0.20	2.02	15.1	2.28	14.8	0.039	0.25	0.123	0.80	12.6	81.6	10.8	70.0					
15		10.20	1.80	6480	8.4	8.2	<0.1	<0.65	10.7	69.3	99	2.5	16.2	1.06	6.7	0.09	0.6	0.030	0.19	1.87	12.1	2.93	19.0	0.128	0.83	0.174	1.13	11.2	72.6	11.9	77.1					
16		14.30	1.80	6480	8.7	8.2	<0.1	<0.65	11.1	71.9	103	2.8	18.1	0.55	3.6	0.11	0.7	0.032	0.21	1.80	11.7	2.35	15.2	0.042	0.27	0.074	0.48	12.4	80.4	13.1	84.9					
17		18.35	1.80	6480	8.5	7.9	<0.1	<0.65	10.8	70.0	100	4.0	25.9	1.09	7.1	0.03	0.2	0.042	0.27	1.83	11.9	2.92	18.9	0.022	0.14	0.102	0.66	11.8	76.5	12.5	81.0					
18		22.00	1.80	6480	8.2	8.2	<0.1	<0.65	10.7	69.3	99	2.9	18.8	1.07	6.9	0.13	0.8	0.032	0.21	1.75	11.3	2.82	18.3	0.038	0.25	0.108	0.70	11.9	77.1	9.4	60.9					
19	2.11.61	03.35	1.55	5580	8.0	8.1	<0.1	<0.56	11.2	62.5	103	4.7	26.2	0.69	3.8	0.10	0.6	0.025	0.14	1.94	10.8	2.63	14.7	0.046	0.26	0.089	0.50	11.3	63.0	9.7	54.1	0.1	0.56	20.2	16.2	
20		07.20	1.55	5580	8.0	8.1	<0.1	<0.56	11.5	64.2	106	2.2	12.3	0.74	4.1	0.07	0.4	0.026	0.15	2.18	12.2	2.92	16.3	0.037	0.21	0.080	0.45	12.6	70.3	10.3	57.5					
21		11.40	1.55	5580	8.2	8.1	<0.1	<0.56	10.5	58.6	97	3.7	20.6	1.31	7.3	0.12	0.7	0.035	0.20	1.77	9.9	3.08	17.2	0.036	0.20	0.158	0.88	14.0	78.1	12.3	68.6					
22		15.25	1.55	5580	8.8	8.2	<0.1	<0.56	11.2	62.5	105	2.5	14.0	0.81	4.5	0.08	0.4	0.038	0.21	1.78	9.9	2.59	14.5	0.038	0.21	0.111	0.62	12.4	69.2	10.6	59.1					
23		19.20	1.55	5580	8.2	8.2	<0.1	<0.56	10.4	58.0	96	3.4	19.0	0.61	3.4	0.19	1.1	0.043	0.24	1.88	10.5	2.49	13.9	0.043	0.24	0.082	0.46	11.8	65.8	11.7	65.3					
24		23.00	1.55	5580	7.3	8.1	<0.1	<0.56	10.3	57.5	93	1.6	8.9	0.82	4.6	0.14	0.8	0.039	0.22	1.91	10.7	2.73	15.2	0.047	0.26	0.044	0.25	13.1	73.1	10.8	60.3					
25	3.11.61	04.00	1.55	5580	6.6	8.1	<0.1	<																												

Untersuchung der Seezuflüsse

Lindauer Aach

Datum	Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe		Sauerstoff		Sättigung %	BSB ₅		Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionische Detergentien		Gesamt- Härte °dH	Karbonat- Härte °dH	Bemerkungen																					
		m³/s	m³/h		pH	ml/l	m³/h	mg/l		kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l				kg/h																				
1	7.3.61	Mischpr.	0.345	1242	—	—	Sp.	Sp.	—	—	—	7.0	8.68	0.57	0.71	0.48	0.60	0.024	0.03	1.03	1.28	1.62	2.02	—	—	0.60	0.75	—	—	34.8	43.2	—	—																						
2	8.3.61	Mischpr.	0.38	1368	—	—	Sp.	Sp.	—	—	—	8.0	10.96	0.79	1.08	0.57	0.78	0.023	0.03	1.20	1.64	1.81	2.48	—	—	0.41	0.56	14.3	19.6	47.4	65	—	—																						
3	9.3.61	Mischpr.	0.28	1008	—	—	0	0	—	—	—	9.3	9.37	0.58	0.58	0.49	0.49	0.020	0.02	1.40	1.40	2.00	2.00	—	—	0.72	0.73	12.1	12.2	48.7	49.2	—	—	14.0	13.7																				
4	10.3.61	Mischpr.	0.245	882	—	—	—	—	—	—	—	8.6	7.58	0.81	0.71	0.48	0.42	0.022	0.02	1.65	1.46	2.48	2.19	—	—	0.45	0.4	—	—	37.9	33.4	—	—	14.2	12.9																				
5	11.3.61	Mischpr.	0.22	792	—	—	—	—	—	—	—	2.8	2.22	1.54	1.22	0.53	0.42	0.024	0.02	0.75	0.59	2.31	1.83	—	—	0.33	0.26	9.22	7.31	35.4	28.0	—	—	13.9	13.45																				
6	13.3.61	05.00	0.22	792	7.5	8.2	—	—	9.6	7.6	91.6	1.9	1.51	1.02	0.81	0.49	0.39	0.033	0.03	1.45	1.15	2.50	1.98	—	—	0.22	0.17	9.2	7.28	32.9	26.1	—	—	14.5	11.2																				
7		09.00	0.22	792	7.5	8.3	0	0	10.4	8.23	106	18.32	14.5	2.75	2.18	2.04	1.62	0.049	0.04	1.50	1.19	4.30	3.41	—	—	0.70	0.55	14.8	11.7	57.5	45.5	—	—	14.2	14.2																				
8		13.00	0.22	792	7.8	8.2	—	—	10.25	8.12	102	30.4	24.1	4.18	3.31	1.86	1.47	0.043	0.03	1.55	1.23	5.77	4.57	—	—	1.35	1.07	12.1	9.56	94.0	74.4	—	—	14.5	14.5																				
9		17.00	0.22	792	9.2	8.1	Sp.	Sp.	8.45	6.7	84	13.8	10.9	1.78	1.41	0.82	0.65	0.022	0.02	1.49	1.19	4.29	3.40	—	—	0.23	0.18	10.6	8.37	66.3	52.6	—	—	—	—																				
10		21.00	0.22	792	8.0	7.8	Sp.	Sp.	8.3	6.57	83	—	—	1.13	0.90	1.05	0.83	0.051	0.04	1.51	1.20	2.69	2.13	—	—	1.10	0.87	11.3	8.93	36.7	29.1	—	—	—	—																				
11	14.3.61	04.00	0.245	882	7.6	8.0	0	0	9.3	8.2	89	—	—	0.69	0.62	0.48	0.43	0.040	0.04	1.60	1.43	2.33	2.08	—	—	0.19	0.167	8.5	7.5	32.9	29	—	—	14.7	13.15																				
12		08.00	0.245	882	8.2	7.7	Sp.	Sp.	—	—	—	89.7	79	2.82	2.55	2.65	2.37	0.041	0.04	1.16	1.04	4.02	3.59	—	—	1.21	1.07	22.8	20.1	30.5	26.9	—	—	14.7	14.7																				
13		12.00	0.245	882	8.9	8.1	Sp.	Sp.	—	—	—	13.2	11.6	2.29	2.05	1.95	1.74	0.040	0.04	1.35	1.20	3.68	3.29	—	—	0.34	0.3	10.6	9.35	70.7	62.3	—	—	13.7	13.7																				
14		16.00	0.245	882	9.3	8.3	—	—	7.35	6.48	72	34.8	30.6	3.41	3.04	3.22	2.87	0.039	0.03	1.33	1.19	4.78	4.27	—	—	1.54	1.36	14.1	12.4	78.4	69.2	—	—	14.5	14.5																				
15		02.00	0.245	882	8.8	7.8	Sp.	Sp.	8.7	7.67	87	3.73	3.29	1.15	1.03	0.79	0.71	0.051	0.05	1.37	1.22	2.57	2.30	—	—	0.37	0.33	9.2	8.1	39.7	35	—	—	14.8	14.3																				
16		24.00	0.245	882	8.4	7.6	0	0	8.65	7.63	83	5.05	4.45	1.28	1.14	0.86	0.77	0.042	0.04	0.97	0.87	2.29	2.05	—	—	0.89	0.78	8.5	7.5	31.6	27.9	—	—	11.1	10.35																				
17	15.3.61	03.00	0.245	882	7.7	7.9	0	0	9.45	8.34	91	4.92	4.32	1.12	1.00	0.74	0.66	0.053	0.05	1.42	1.27	2.54	2.27	—	—	0.34	0.3	9.2	8.1	32.2	28.4	—	—	—	—																				
18		07.00	0.245	882	7.4	7.8	0	0	8.95	7.89	83	4.8	4.23	1.27	1.13	0.59	0.53	0.051	0.05	1.42	1.27	2.74	2.45	—	—	0.28	0.25	8.5	7.5	29.1	25.7	—	—	15.0	13.7																				
19		11.00	0.245	882	9.3	8.4	Sp.	Sp.	12.3	10.85	128	26	22.93	2.75	2.46	2.58	2.30	0.026	0.02	1.21	1.08	3.99	3.56	—	—	0.31	0.27	13.5	11.9	87.3	77	—	—	—	—																				
20		15.00	0.245	882	10.0	8.5	Sp.	Sp.	12.4	10.92	130	—	—	1.83	1.63	1.74	1.55	0.050	0.04	1.50	1.34	3.38	3.02	—	—	0.76	0.67	12.5	11.0	63.2	55.7	—	—	—	—																				
21		19.00	0.245	882	9.6	8.0	Sp.	Sp.	—	—	—	9.7	8.55	1.27	1.13	1.16	1.04	0.054	0.05	1.40	1.25	2.72	2.43	—	—	0.70	0.62	11.3	10.0	32.8	28.9	—	—	14.1	13.5																				
22		23.00	0.245	882	8.3	7.9	0	0	8.55	7.54	85	8.4	7.4	1.61	1.44	1.47	1.33	0.045	0.04	1.36	1.21	3.07	2.74	—	—	0.28	0.25	11.3	10.0	36.7	32.4	—	—	14.0	13.8																				
23	16.3.61	02.00	0.2	720	7.1	7.7	0	0	8.8	6.34	85	4.9	3.53	1.23	0.89	0.49	0.35	0.033	0.02	1.56	1.12	2.82	2.03	—	—	0.16	0.115	9.2	6.63	27.2	19.6	—	—	15.5	14.3																				
24		06.00	0.2	720	6.6	7.8	0	0	9.1	6.55	86	4.5	3.24	1.01	0.73	0.46	0.33	0.035	0.03	1.49	1.07	2.54	1.83	—	—	0.11	0.08	9.2	6.63	27.2	19.6	—	—	—	—																				
25		10.00	0.2	720	7.3	8.5	Sp.	Sp.	11.9	8.56	115	20	14.4	2.20	1.58	2.66	1.92	0.037	0.03	1.48	1.06	4.41	3.18	—	—	0.89	0.64	12.1	8.7	39.8	28.6	—	—	15.8	14.9																				
26		14.00	0.2	720	10.5	8.5	Sp.	Sp.	11.1	7.98	117	38	27.4	2.45	1.77	1.87	1.35	0.033	0.02	1.22	0.88	3.30	2.38	—	—	0.87	0.63	12.0	8.65	73.8	53.2	—	—	14.5	14.9																				
27		18.00	0.2	720	10.9	—	—	—	10.0	7.2	104	30	21.6	2.85	2.05	2.24	1.61	0.059	0.04	1.05	0.76	3.96	2.85	—	—	0.96	0.69	11.3	8.14	91.2	65.7	—	—	14.0	14.9																				
Summe											397.82	336.34												84.91	72.33																														
Mittelwert											16.58	14.01												3.14	2.68												0.60	0.52																	
Tagesmittel																																												12.48											

Untersuchung der Seezuflüsse

Lindauer Aach

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 bei der Regierung der Oberpfalz

Datum	Tageszeit	Wasser- führung		Temperatur	Absetzbare Stoffe			Sauerstoff		Sättigung	BSB ₅		Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionische Detergentien		Gesamt- Härte		Karbonat- Härte		Phenol		Bemerkungen
		m ³ /s	m ³ /h	°C	pH	ml/l	m ³ /h	mg/l	kg/h	%	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	°dH	°dH	mg/l	kg/h			
1	20. 6. 61	08.15	0.42	1512	16.2	7.2	Spur	Spur	7.90	11.94	82.6	4.15	6.25	2.55	3.86	0.31	0.47	0.050	0.075	1.16	1.75	3.76	5.69	0.13	0.20	0.22	0.33	—	—	38.0	57.46	Spur	—	—	—	0	0		
2		12.15	0.42	1512	18.0	7.1	Spur	Spur	6.40	9.68	73.2	12.9	19.50	3.95	5.97	1.15	1.74	0.060	0.091	1.68	2.54	5.69	8.60	0.37	0.56	0.73	1.10	—	—	44.2	66.83	0.40	0.60	—	—	—	—		
3		16.15	0.42	1512	18.0	7.0	Spur	Spur	6.50	9.83	80.2	20.6	51.10	2.23	3.37	1.53	2.31	0.270	0.408	1.72	2.60	4.22	6.38	0.16	0.24	0.70	1.06	12.00	18.20	88.5	133.81	—	—	—	—	—	—		
4		00.15	0.42	1512	17.5	—	—	—	7.10	10.74	82.5	3.6	5.44	2.94	4.45	1.60	2.42	0.066	0.100	1.14	1.72	4.15	6.27	0.31	0.47	0.57	0.86	7.45	11.25	29.7	44.91	—	—	15.0	15.0	—	—		
5		24.00	0.42	1512	16.6	6.8	Spur	Spur	7.05	10.66	80.8	2.2	3.32	0.39	0.59	0.17	0.26	0.100	0.150	0.72	1.09	1.21	1.83	0.17	0.26	0.22	0.33	7.10	10.70	22.1	33.42	—	—	15.0	15.0	—	—		
6	21. 6. 61	03.15	0.40	1440	16.0	7.1	Spur	Spur	7.20	10.37	81.4	2.3	3.32	1.50	2.16	0.15	0.22	0.096	0.140	1.80	2.59	3.40	4.89	0.13	0.19	0.03	0.04	7.45	10.75	20.8	29.95	—	—	14.9	14.6	—	—		
7		07.00	0.40	1440	15.7	7.1	Spur	Spur	7.35	10.58	83.0	—	—	0.36	0.52	0.15	0.22	0.065	0.090	1.86	2.68	2.29	3.29	0.16	0.23	0.20	0.29	7.10	10.25	20.2	29.09	—	—	14.8	14.3	—	—		
8		11.15	0.38	1368	17.2	7.2	Spur	Spur	6.85	9.37	79.5	11.0	15.05	0.66	0.90	0.42	0.57	0.078	0.110	1.80	2.47	2.54	3.48	0.30	0.41	0.80	1.09	8.30	11.40	48.6	66.48	—	—	14.9	14.9	—	—		
9		16.00	0.36	1296	19.4	—	0	0	6.20	8.04	76.2	12.0	15.60	1.82	2.36	0.68	0.88	0.085	0.110	1.71	2.22	3.62	4.69	0.27	0.35	0.42	0.54	10.63	13.80	37.3	48.34	—	—	—	—	0	0		
10		19.15	0.35	1260	18.8	7.0	Spur	Spur	5.90	7.43	71.3	9.0	11.35	4.86	6.12	0.37	0.47	0.091	0.110	2.00	2.52	6.95	8.75	0.28	0.35	0.63	0.79	8.50	10.70	43.6	54.94	—	—	—	—	—	—		
11		23.15	0.35	1260	—	7.0	Spur	Spur	6.00	7.56	—	3.4	4.28	0.91	1.15	0.14	0.18	0.066	0.083	1.67	2.11	2.65	3.34	0.21	0.26	0.32	0.40	7.80	9.82	20.8	26.21	—	—	—	—	—	—		
12	22. 6. 61	02.15	0.35	1260	—	6.9	Spur	Spur	6.40	8.06	—	3.4	4.28	0.79	0.995	0.58	0.73	0.077	0.097	2.09	2.63	2.96	3.72	0.19	0.24	0.28	0.35	7.65	9.64	18.6	23.44	—	—	—	—	—	—		
13		05.45	0.35	1260	16.7	7.6	Spur	Spur	6.90	8.70	80.0	5.7	7.18	1.11	1.40	0.17	0.21	0.068	0.086	1.97	2.48	3.15	3.97	0.19	0.24	0.48	0.60	8.08	10.18	19.6	24.70	—	—	—	—	—	—		
14		10.15	0.38	1368	17.2	7.5	Spur	Spur	7.12	9.73	84.4	16.3	22.30	2.99	4.09	0.58	0.79	0.074	0.100	2.13	2.92	5.19	7.11	0.30	0.41	0.62	0.85	10.99	15.00	45.4	62.11	—	—	—	—	—	—		
15		14.15	0.40	1440	19.0	8.75	0	0	5.70	8.20	70.0	12.9	18.60	2.74	3.95	0.64	0.92	0.077	0.110	1.72	2.48	4.53	6.54	0.33	0.48	0.73	1.05	10.20	14.70	50.0	72.00	—	—	15.5	15.5	—	—		
16		17.45	0.42	1512	18.0	7.5	Spur	Spur	5.60	8.50	66.0	5.3	8.00	1.45	2.19	0.42	0.64	0.091	0.138	1.79	2.71	3.33	5.04	0.27	0.41	0.60	0.91	7.66	11.65	37.9	57.30	—	—	—	—	—	—		
17		22.15	0.40	1440	16.7	7.8	0.1	0.14	7.15	10.30	82.3	5.9	8.50	0.96	1.38	0.15	0.22	0.103	0.148	2.06	2.96	3.12	4.49	0.16	0.23	0.24	0.35	7.37	10.60	24.6	35.42	—	—	—	—	—	—		
18	23. 6. 61	01.15	0.34	1224	16.6	7.8	0.05	0.06	5.70	6.98	65.5	10.7	13.10	1.35	1.65	0.42	0.51	0.103	0.126	1.50	1.84	2.95	3.62	0.27	0.33	0.36	0.44	7.30	8.95	56.5	69.16	—	—	14.5	12.0	—	—		
19		04.45	0.28	1008	16.1	7.8	Spur	Spur	5.50	5.55	63.0	5.5	5.55	0.12	0.12	0.13	0.13	0.078	0.078	1.62	1.63	1.82	1.83	0.18	0.18	0.87	0.88	8.51	8.58	23.7	23.89	—	—	14.9	14.6	—	—		
20		09.15	0.22	792	16.6	8.0	Spur	Spur	6.55	5.18	77.0	8.2	6.50</																										

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Datum	Tageszeit	Wasser- führung		Temperatur	Absetzbare Stoffe			Sauerstoff			BSB ₅		Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionische Detergentien		Gesamt- Härte		Karbonat- Härte		Phenol		Bemerkungen
		m³/s	m³/h		pH	ml/l	m³/h	mg/l	kg/h	‰	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	°dH	°dH	mg/l	kg/h			
1	4. 10. 61	10.15	0.14	504	16.1	7.8	0.40	0.20	—	—	—	—	1.91	0.96	—	—	0.14	0.07	0.80	0.40	2.85	1.43	0.28	0.14	0.35	0.18	14.18	7.15	65.8	33.20	—	—	—	—	—	—			
2		14.15	0.14	504	19.6	7.7	0.50	0.25	3.70	1.87	57.3	40.0	20.20	1.74	0.88	—	—	0.08	0.04	0.75	0.38	2.57	1.30	0.50	0.25	5.00	2.52	27.65	13.95	150.0	75.60	0	0	—	—	—			
3		18.15	0.14	504	17.9	7.7	0.20	0.10	6.40	3.23	97.4	58.0	29.23	1.40	0.71	—	—	0.88	0.44	0.70	0.35	2.98	1.50	0.30	0.15	3.30	1.66	27.30	13.80	88.5	44.70	0	0	—	—	Sp.			
4		21.45	0.14	504	16.0	7.4	0.40	0.20	2.70	1.36	33.5	22.0	11.09	2.44	1.23	—	—	0.18	0.09	0.60	0.30	3.22	1.63	0.53	0.27	2.10	1.06	14.53	7.34	63.5	32.00	0	0	—	—	0			
5	5. 10. 61	01.15	0.13	467	14.8	7.6	Spur	Spur	4.25	1.98	50.5	80.0	3.74	3.30	1.54	—	—	0.16	0.07	1.10	0.51	4.56	2.13	0.40	0.19	1.30	0.61	13.80	6.44	31.0	14.50	0	0	—	—	—			
6		05.15	0.13	467	14.5	7.6	Spur	Spur	4.55	2.12	53.8	5.4	2.52	1.68	0.78	—	—	0.17	0.08	1.20	0.56	3.05	1.42	1.60	0.75	2.35	1.10	14.18	6.62	20.2	9.44	0	0	—	—	—			
7		09.15	0.12	432	15.6	7.7	0.60	0.26	4.65	2.01	57.6	39.0	16.80	2.56	1.11	—	—	0.19	0.08	1.15	0.50	3.90	1.68	1.75	0.76	2.60	1.12	15.60	6.72	67.0	28.90	0	0	—	—	0			
8		13.15	0.11	396	18.4	7.9	0.10	0.04	*	—	—	46.0	18.20	2.46	0.97	—	—	0.20	0.08	0.60	0.24	3.26	1.29	1.50	0.59	4.80	1.90	24.45	9.68	212.0	84.00	0	0	—	—	~0.1			
9		17.15	0.11	396	18.8	7.6	Spur	Spur	3.85	1.53	53.8	30.0	11.90	1.68	0.67	—	—	0.66	0.26	0.65	0.26	2.99	1.19	1.10	0.44	1.60	0.63	22.30	8.83	149.0	59.00	5.5	2.2	—	—	—			
10		21.15	0.11	396	16.0	7.8	0.30	0.12	0	0	0	15.0	5.94	2.50	0.99	—	—	0.14	0.06	0.85	0.34	3.49	1.38	1.10	0.44	1.40	0.56	14.90	5.90	5.7	2.26	0	0	—	—	0			
11	6. 10. 61	03.45	0.11	396	14.1	7.7	0.20	0.08	4.95	1.96	60.2	8.4	3.33	2.20	0.87	—	—	0.17	0.07	1.30	0.52	3.67	1.40	0.72	0.29	1.10	0.44	17.70	7.00	36.7	13.50	0	0	—	—	—			
12		07.45	0.11	396	14.2	7.8	0.30	0.12	5.35	2.12	63.0	25.0	9.90	2.60	1.03	—	—	0.18	0.07	0.95	0.38	3.73	1.48	1.22	0.48	1.90	0.75	14.90	5.90	60.6	24.00	1.3	0.5	—	—	—			
13		12.15	0.11	396	17.5	7.7	Spur	Spur	2.70	1.07	35.0	77.0	30.50	2.30	0.91	—	—	0.22	0.09	0.70	0.28	3.22	1.28	1.16	0.46	3.60	1.43	15.95	6.32	177.0	70.0	9.0	3.6	—	—	0			
14		16.15	0.12	432	18.2	7.7	Spur	Spur	—	—	—	110.0	47.40	48.90	21.2	6.88	2.98	0.30	0.13	1.00	0.40	50.20	21.73	1.18	0.51	3.90	1.68	24.10	10.40	218.0	94.00	7.0	3.0	—	—	—			
15		20.15	0.11	396	15.8	7.6	Spur	Spur	0	0	0	11.0	4.36	13.30	5.27	6.75	2.68	0.18	0.07	0.95	0.38	14.43	5.70	1.32	0.52	2.10	0.79	16.30	6.45	65.8	26.20	2.6	1.0	—	—	0			
16	7. 10. 61	00.15	0.10</																																				

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Ablauf der Kläranlage
 der Stadt Lindau

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Datum	Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe			Sauerstoff			BSB ₅		Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionische Detergentien		Gesamt- Härte °dH	Karbonat- Härte °dH	Bemerkungen
		m³/s	m³/h		pH	ml/l	m³/h	mg/l	kg/h	%	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h			
1	7. 3. 61	14.00	0.092	330	12.6	—	3.1	1.02	0	0	—	580	191.4	66.25	21.86	15.25	5.03	0.199	0.066	0.39	0.129	66.84	22.06	—	—	6.95	2.29	35.4	11.68	1215	400.95	—	—		
2		18.00	0.092	330	11.6	—	1.7	0.56	0	0	—	350	115.5	43.75	14.45	23.20	7.65	0.223	0.074	0.13	0.043	44.10	14.57	—	—	3.11	1.03	39.7	13.10	582	192.06	—	—		
3		22.00	0.092	330	—	—	1.7	0.56	—	—	—	270	89.1	24.80	8.18	18.60	6.14	0.147	0.049	0.42	0.139	25.37	8.37	—	—	5.21	1.72	80.8	26.66	462	152.46	—	—		
4	8. 3. 61	01.00	0.025	90	—	—	0.3	0.03	—	—	—	94	8.5	18.50	1.67	12.20	1.10	0.090	0.008	0.57	0.051	19.16	1.73	—	—	3.90	0.35	52.4	4.72	237	21.33	—	—		
5		05.00	0.025	90	—	—	<0.1	0	—	—	—	54	4.9	23.70	2.14	12.50	1.13	0.121	0.011	0.77	0.069	24.59	2.22	—	—	1.70	0.15	—	—	136	12.24	—	—		
6		09.00	0.092	330	10.8	—	0.8	0.26	—	—	—	—	—	22.12	7.30	16.50	5.44	0.120	0.396	0.69	0.228	22.93	7.79	—	—	3.63	1.20	—	—	1024	337.92	—	—		
7		13.00	0.092	330	12.9	—	0.9	0.30	0	0	—	480	158.4	38.75	12.79	33.20	10.95	0.391	0.129	0.21	0.069	39.36	12.99	—	—	7.25	2.39	21.2	7.00	1106	364.98	—	—		
8		17.00	0.092	330	12.8	—	0.9	0.30	—	—	—	360	118.8	31.50	10.40	23.75	7.84	0.310	0.102	0.40	0.132	32.21	10.68	—	—	3.29	1.09	34.1	11.25	924	304.92	—	—		
9		21.00	0.092	330	—	—	—	—	—	—	—	104	34.3	32.80	10.82	19.50	6.44	0.187	0.062	0.33	0.109	33.32	10.99	—	—	7.10	2.34	65.2	21.52	278	91.74	—	—		
10	9. 3. 61	04.00	0.025	90	—	7.6	<0.1	0	—	—	—	54	4.7	23.88	2.15	8.35	0.75	0.110	0.010	0.99	0.089	24.98	2.25	—	—	2.95	0.26	52.4	4.72	142	12.78	—	—		
11		08.00	0.092	330	10.6	7.5	—	—	—	—	—	65	21.5	14.62	4.82	8.85	2.92	0.110	0.036	1.04	0.343	15.77	5.20	—	—	1.95	0.64	49.6	16.37	215	70.95	—	—		
12		12.00	0.092	330	12.2	6.5	2.0	0.66	—	—	—	475	156.8	34.80	11.48	24.50	8.09	0.226	0.075	0.35	0.115	35.38	11.67	—	—	4.75	1.57	153	50.49	985	325.05	—	—		
13		16.00	0.092	330	13.1	7.0	0.8	0.26	—	—	—	215	71.0	42.40	13.99	33.20	10.96	0.108	0.036	0.32	0.105	42.83	14.13	—	—	3.15	1.04	113	37.29	671	221.43	—	—		
14		20.00	0.092	330	—	7.2	1.7	0.56	—	—	—	320	105.6	21.10	6.96	17.25	5.69	0.389	0.128	0.22	0.073	21.71	7.16	—	—	7.70	2.54	87.9	29.01	650	214.50	—	—		
15		24.00	0.025	90	—	7.0	<0.1	0	—	—	—	112	10.08	28.40	2.56	19.80	1.78	0.140	0.013	0.55	0.049	29.09	2.62	—	—	4.10	0.37	52.4	4.72	230	20.70	—	—		
16	10. 3. 61	03.00	0.025	90	—	7.2	<0.1	0	—	—	—	52	4.7	14.65	1.32	14.40	1.30	0.093	0.008	0.95	0.086	15.69	1.41	—	—	3.53	0.32	32.6	2.93	145	13.05	—	—		
17		07.00	0.025	90	—	7.1	<0.1	—	—	—	—	85	7.7	10.50	0.95	6.90	0.62	0.110	0.009	0.93	0.084	11.54	1.04	—	—	2.07	0.19	31.2	2.81	224	20.16	—	—		
18		11.00	0.092	330	12.6	7.0	0.5	0.17	—	—	—	435	143.6	27.50	9.07	23.45	7.74	0.196	0.065	0.59	0.195	28.29	9.33	—	—	6.16	2.03	78.0	25.74	948	312.84	—	—		
19		15.00	0.092	330	12.9	7.4	0.3	0.10	—	—	—	230	75.9	19.75	6.51	18.52	6.12	0.282	0.093	0.60	0.198	20.63	6.80	—	—	3.95	1.30	—	—	569	187.77	—	—		
20		19.00	0.092	330	12.7	7.1	0.4	0.13	—	—	—	305	100.7	20.75	6.84	17.10	5.64	0.370	0.122	0.66	0.218	21.78	7.18	—	—	3.07	1.01	45.4	14.98	808	266.64	—	—		
21		23.00	0.025	90	11.9	7.2	<0.1	0	—	—	—	106	9.5	21.66	1.95	20.50	1.84	0.132	0.012	0.53	0.048	22.22	2.01	—	—	3.50	0.32	26.2	2.36	274	24.66	—	—		
22	11. 3. 61	02.00	0.025	90	11.0	7.3	<0.1	0	—	—	—	93	8.4	19.10	1.72	17.25	1.55	0.120	0.011	0.73	0.066	19.95	1.80	—	—	2.97	0.27	21.3	1.92	224	20.16	—	—		
23		06.00	0.025	90	—	7.2	<0.1	0	—	—	—	42	3.8	15.44	1.39	10.10	0.91	0.090	0.008	1.10	0.099	16.63	1.50	—	—	1.99	0.18	30.5	27.45	142	12.78	—	—		
24		10.00	0.092	330	11.9	7.1	0.1	0.03	—	—	—	180	59.4	24.85	8.20	22.25	7.34	0.110	0.036	0.77	0.254	25.73	8.49	—	—	3.51	1.16	36.9	12.17	518	170.94	—	—		
25		23.00	0.025	90	—	7.2	<0.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
26	12. 3. 61	21.15	0.025	90	—	7.2	<0.1	0	—	—	—	58	5.2	19.75	1.78	19.60	1.76	—	—	—	—	—	—	—	—	—	—	—	49.6	4.46	199	17.91	—	—	
27	13. 3. 61																																		

Untersuchung der Seezuflüsse

Ablauf der Kläranlage
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Datum	Tageszeit	Wasserführung		Temperatur	Absetzbare Stoffe			Sauerstoff		Sättigung	BSB ₅		Kjeldahl-N		Ammonium-N		Nitrit-N		Nitrat-N		Gesamt-N		Anorganischer (Phosphat) P		Gesamt-P		Chlorid Cl		KMnO ₄ -Verbrauch		Anionische Detergentien	Gesamt-Härte	Karbonat-Härte	Phenol		Bemerkungen
		m³/s	m³/h	°C	pH	ml/l	m³/h	mg/l	kg/h	%	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h
1	20. 6. 61	08.00	0.090	335	15.9	7.4	0.5	0.17	0.3	0.101	—	132	44.2	20.10	6.73	7.78	2.61	0.20	0.067	0.88	0.295	21.18	7.09	*	—	4.64	1.55	40.00	13.40	442	148.07	0.5	0.168	—	—	* wegen Ausflockung nicht bestimmbar
2		12.00	0.123	444	18.0	7.7	0.8	0.36	0	0	—	181	80.4	31.22	13.86	10.18	4.52	0.19	0.084	0.39	0.173	31.8	14.12	*	—	4.76	2.11	—	—	772	342.77	3.1	1.376	—	—	
3		16.00	0.123	444	18.1	7.2	1.2	0.53	0.7	0.311	—	133	59.1	21.80	9.68	12.80	5.68	0.22	0.098	0.26	0.115	22.28	9.89	*	—	5.39	2.39	—	—	443	196.69	5.4	2.398	<0.1	0	** wegen Grünfärbung nicht bestimmbar
4		20.00	0.096	346	17.2	—	—	—	0.15	0.052	—	71	24.6	11.91	4.12	8.63	2.99	—	—	0.15	0.052	12.06°)	4.17°)	*	—	3.84	1.33	42.80	14.81	217	75.08	1.6	0.554	<0.1	0	
5		23.30	0.088	320	16.0	6.8	0.5	0.16	0	0	—	65	20.8	12.71	4.07	9.37	3.00	—	—	0.11	0.035	12.82°)	4.11°)	—	—	5.65	1.81	70.10	22.43	196	62.72	3.7	1.184	<0.1	0	°) Gesamt-N ohne Nitrit
6	21. 6. 61	03.00	0.071	258	15.5	7.2	0.9	0.23	1.1	0.284	—	41	10.6	11.19	2.89	8.04	2.07	0.27	0.070	0.38	0.098	11.84	3.06	—	—	4.25	1.10	34.20	8.82	164	42.31	1.7	0.439	0	0	
7		07.15	0.080	288	15.5	7.5	<0.1	0	2.5	0.720	—	18	5.2	5.39	1.55	4.33	1.25	0.16	0.046	1.22	0.351	6.77	1.95	*	—	1.80	0.52	25.82	7.44	95	27.36	0.2	0.058	0	0	
8		11.00	0.116	419	16.4	—	2.5	1.05	0	0	—	196	82.1	33.85	14.18	17.19	7.20	0.035	0.015	0.16	0.067	34.05	14.26	—	—	7.30	3.06	228.80	95.87	367	153.77	—	—	—	—	
9		15.00	0.116	417	17.0	—	1.8	0.75	0	0	—	129	53.8	12.71	5.30	10.55	4.41	0.20	0.083	0.27	0.113	13.18	5.50	—	—	5.05	2.11	51.75	21.58	417	173.89	—	—	—	—	
10		19.00	0.092	332	17.5	7.4	0.7	0.23	0	0	—	109	36.2	10.18	3.38	8.84	2.94	—	—	0.13	0.043	10.31°)	3.32°)	1.15	0.382	4.21	1.40	98.50	32.70	342	113.54	—	—	—	—	
11		23.00	0.082	298	16.3	7.5	0.6	0.18	0	0	—	76	22.7	10.73	3.20	8.53	2.54	—	—	0.14	0.042	10.87°)	3.24°)	1.18	0.352	4.65	1.39	51.45	15.33	196	58.41	—	—	—	—	
12	22. 6. 61	02.00	0.067	243	15.8	7.2	0.4	0.1	0.15	0.036	—	42	10.2	11.55	2.80	7.86	1.91	—	—	0.09	0.022	11.64°)	2.82°)	0.90	0.219	4.10	1.00	37.95	9.22	139	93.78	—	—	<0.1	0	
13		06.00	0.067	243	15.6	7.7	<0.1	0	2.55	0.620	—	19	4.6	7.44	1.81	4.59	1.12	0.13	0.032	1.23	0.299	8.80	2.14	0.57	0.139	2.61	0.63	24.13	5.89	66	16.04	—	—	0	0	
14		10.00	0.110	396	17.2	7.7	1.5	0.59	0	0	—	273	108.1	19.40	7.68	11.50	4.55	0.26	0.103	0.30	0.119	19.96	7.90	*	—	6.05	2.40	40.40	16.00	480	190.08	—	—	—	—	
15		14.00	0.106	384	17.9	7.05	2.2	0.85	0	0	—	232	89.1	17.89	6.87	7.18	2.76	0	0	0.22	0.084	18.11	6.95	*	—	6.40	2.46	43.60	16.74	672	258.05	5.0	1.920	—	—	
16		18.15	0.088	316	18.6	7.4	1.5	0.47	0	0	—	83	26.2	16.61	5.25	6.61	2.09	—	—	0.20	0.063	16.81°)	5.31°)	1.06	0.335	5.06	1.60	39.93	12.62	272	85.95	—	—	—	—	
17		22.00	0.076	276	16.7	7.3	0.6	0.17	0	0	—	106	29.3	14.85	4.10	5.80	1.60	—	—	0.07	0.019	14.92°)	4.12°)	0.97	0.268	4.25	1.17	173.7	47.94	328	90.53	—	—	—	—	
18	23. 6. 61	01.00	0.102	367	16.2	7.2	3.2	1.17	0	0	—	64	23.5	11.40	4.18	7.23	2.65	—	—	0.08	0.029	11.48°)	4.21°)	1.03	0.378	3.24	1.19	24.81	9.11	167	61.29	—	—	—	—	
19		05.00	0.094	340	15.5	7.3	0.3	0.10	3.55	1.207	—	31	10.5	5.54	1.88	4.06	1.38	0.18	0.061	1.30	0.442	7.02	2.38	0												

Untersuchung der Seezuflüsse

Kläranlage Lindau

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 bei der Regierung der Oberpfalz

Datum	Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe			Sauerstoff		Sättigung %	BSB ₅		Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionische Detergentien		Gesamt- Härte °dH	Karbonat- Härte °dH	Phenol		Bemerkungen	
		m³/s	m³/h		pH	ml/l	m³/h	mg/l	kg/h		mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h		
1	4. 10. 61	10.00	0.153	552	18.0	7.6	1.2	0.66	—	—	—	—	5.50	3.04	—	—	0.01	0.006	0.30	0.166	5.81	3.21	—	—	—	—	—	—	532	293.66	—	—	—	—	—	—	Wetter: schön	
2		14.00	0.149	535	19.6	7.3	0.6	0.32	0	0	—	190	101.7	9.80	5.24	—	—	0.07	0.037	0.30	0.161	10.17	5.44	—	—	2.60	1.39	137	73.30	834	446.19	0.3	0.161	—	—	Wetter: schön		
3		18.00	0.125	449	18.2	7.4	0.7	0.31	0	0	—	107	48.0	9.60	4.31	3.00	1.35	0	0	0.15	0.067	9.75	4.38	3.90	1.751	6.70	3.01	177	79.47	350	157.15	—	—	<0.1	0	Wetter: schön		
4		22.00	0.107	385	17.1	7.0	0.6	0.23	0	0	—	118	45.4	10.60	4.08	3.06	1.18	0	0	0.10	0.039	10.70	4.12	1.00	0.385	6.10	1.96	46	17.71	266	102.41	—	—	—	—	Wetter: schön		
5	5. 10. 61	01.00	0.093	336	16.2	7.4	0.6	0.20	0.30	0.101	—	46	15.5	10.40	3.49	3.60	1.21	0	0	0.10	0.034	10.50	3.52	0.55	0.185	3.20	1.08	39	13.10	133	44.69	—	—	—	—	Wetter: schön		
6		05.00	0.088	312	15.8	7.2	0.2	0.06	0.95	0.296	—	32	10.0	10.60	3.31	3.22	1.01	0.48	0.150	0.10	0.031	11.18	3.49	1.05	0.328	1.65	0.52	40	12.48	79	24.65	—	—	—	—	Wetter: schön		
7		09.00	0.126	455	16.3	7.3	0.5	0.23	0	0	—	40	18.2	10.80	4.91	3.52	1.60	0.12	0.050	0.15	0.068	11.07	5.03	3.05	1.388	4.20	1.91	32	14.56	158	71.89	5.5	2.503	0	0	Wetter: schön		
8		13.00	0.141	508	17.8	7.5	0.7	0.36	0	0	—	281	142.8	10.70	5.44	4.40	2.24	0	0	0.20	0.102	10.90	5.54	3.60	1.829	7.80	3.96	44	22.35	392	199.14	10.0	5.080	0	0	Wetter: schön		
9		17.00	0.130	467	18.2	7.4	0.6	0.28	0	0	—	94	43.9	11.00	5.14	4.26	1.99	0	0	0.15	0.070	11.15	5.21	2.45	1.144	3.30	1.54	70	32.69	354	165.32	11.0	5.137	—	—	Wetter: schön		
10		21.00	0.105	379	17.4	7.2	2.0	0.76	3.45	1.308	—	102	38.7	9.50	3.60	6.60	2.50	0	0	0.15	0.057	9.65	3.66	1.60	0.606	4.05	1.54	39	14.78	410	155.39	5.5	2.085	—	—	Wetter: schön		
11	6. 10. 61	04.00	0.078	281	15.6	7.3	0.2	0.06	0	0	—	28	7.9	—	—	6.32	1.78	0.16	0.045	0.10	0.028	—	—	—	—	1.16	0.326	2.05	0.58	22	6.18	104	29.22	—	—	—	—	Wetter: schön
12		08.00	0.094	340	15.5	7.4	0.2	0.07	0	0	—	42	14.3	—	—	6.20	2.11	0.17	0.058	0.15	0.051	—	—	—	—	1.65	0.561	2.00	0.68	24	8.16	120	40.80	2.4	0.816	0	0	Wetter: schön
13		12.00	0.125	451	18.5	7.0	1.7	0.77	0	0	—	224	101.0	—	—	15.30	6.90	0	0	0.15	0.068	—	—	—	—	3.45	1.556	7.30	3.29	28	12.63	582	262.48	5.0	2.255	0	0	Wetter: schön
14		16.00	0.125	451	18.2	7.1	0.6	0.27	0	0	—	183	82.5	22.65	10.22	6.80	3.07	0.18	0.081	0.10	0.045	22.93	10.34	2.8	1.263	6.10	2.75	41	18.49	412	185.81	8.5	3.834	—	—	Wetter: schön		
15		20.00	0.098	352	17.6	7.0	0.25	0.09	0	0	—	100	35.2	17.42	6.13	12.49	4.40	0.04	0.014	0.80	0.282	18.26	6.43	2.75	0.968	6.05	2.13	75	26.40	126	44.35	6.5	2.288	—	—	Wetter: schön		
16		24.00	0.087	322	16.6	6.9	0.65	0.21	0	0	—	63	20.3	18.00	5.80	11.70	3.77	0.03	0.010	0.80	0.258	18.83	6.07	1.95	0.628	3.00	0.97	30	9.66	224	72.13	7.0	2.254	—	—	Wetter: schön		
17	7. 10. 61	03.00	0.083	299	16.3	6.3	0.4	0.12	0	0	—	36	10.8	13.05	3.90	10.02	3.00	0.03	0.009	0.80	0.239	13.88	4.15	1.25	0.374	2.05	0.61	22	6.58	139	41.56	3.8	1.136	<0.1	0	Wetter: regnerisch		
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Untersuchung der Seezuflüsse

Laiblach

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bei der Regierung der Oberpfalz

Datum	Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe			Sauerstoff		Sättigung %	BSB ₅		Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionische Detergentien	Gesamt- Härte °dH	Karbonat- Härte °dH	Bemerkungen	
		m³/s	m³/h		pH	ml/l	m³/h	mg/l	kg/h		mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h					mg/l
1	7.3.61	14.10	1.33	4780	6.7	—	0	0	11.90	57.0	106	—	—	1.06	5.07	0.10	0.48	0.008	0.04	0.52	2.49	1.59	7.56	—	—	0.07	0.34	4.25	20.4	17.7	84.7	—	—	—	—
2		17.50	1.33	4780	6.6	—	0	0	11.70	56.0	105	2.70	12.90	0.38	1.82	0.34	1.63	0.008	0.04	0.52	2.49	0.91	4.31	—	—	0.20	0.96	4.96	23.7	16.1	77.0	—	—	—	—
3		22.10	1.33	4780	5.2	—	0	0	10.90	52.2	88	1.75	8.38	0.38	1.82	0.15	0.72	0.007	0.03	0.93	4.45	1.32	6.27	—	—	0.13	0.62	—	—	14.8	70.8	—	—	—	—
4	8.3.61	01.10	1.33	4780	4.8	—	0	0	11.80	56.5	100	2.35	11.30	0.38	1.82	0.18	0.86	0.006	0.03	1.20	5.75	1.59	7.56	—	—	0.05	0.24	4.96	23.7	16.7	79.9	—	—	—	—
5		05.10	1.33	4780	2.5	—	0	0	12.30	58.8	98	3.60	17.20	0.62	2.97	0.10	<0.48	0.007	0.03	0.84	4.02	1.47	7.00	—	—	0.07	0.33	4.96	23.7	17.1	81.7	—	—	—	—
6		09.10	1.33	4780	2.6	—	0	0	13.30	63.6	108	4.40	21.10	0.55	2.63	0.10	0.48	0.010	0.04	0.62	2.96	1.18	5.61	—	—	0.11	0.53	4.96	23.7	15.8	75.6	—	—	—	—
7		12.50	1.00	3600	6.3	—	0	0	—	—	—	3.10	11.15	0.42	1.51	0.18	0.65	0.009	0.03	0.51	1.84	0.94	3.35	—	—	0.46	1.66	4.96	17.9	15.5	55.7	—	—	—	—
8		16.50	1.00	3600	7.8	—	0	0	11.80	42.5	108	3.25	11.70	0.18	0.65	0.16	0.58	0.010	0.04	0.50	1.80	0.69	2.45	—	—	0.27	0.97	4.96	17.9	15.8	56.8	—	—	—	—
9		20.50	0.80	2880	6.4	—	0	0	10.70	30.8	95	2.05	5.90	0.74	2.13	0.14	0.40	0.008	0.02	0.77	2.22	1.52	4.34	—	—	0.15	0.43	4.96	14.3	15.7	45.2	—	—	—	—
10	9.3.61	04.10	0.80	2880	4.2	7.8	0	0	11.65	33.5	97	2.30	6.62	0.57	1.64	0.13	0.37	0.020	0.06	0.81	2.34	1.40	3.97	—	—	0.13	0.37	4.96	14.3	15.5	44.6	—	—	—	—
11		08.10	0.80	2880	4.1	7.8	0	0	12.65	36.4	105	4.55	13.10	0.57	1.64	0.20	0.58	0.010	0.03	0.92	2.65	1.50	4.29	—	—	0.18	0.52	4.96	14.3	18.0	51.8	—	—	—	—
12		12.10	0.80	2880	6.0	7.5	0	0	12.40	35.7	108	3.60	10.40	0.58	1.67	0.23	0.66	0.007	0.02	0.65	1.87	1.24	3.55	—	—	0.60	1.73	4.25	12.2	17.7	51.0	—	—	—	—
13		15.50	0.80	2880	8.0	7.8	0	0	11.00	31.7	101	2.30	6.62	0.47	1.35	0.18	5.20	0.008	0.02	0.64	1.84	1.12	3.20	—	—	0.24	0.69	4.96	14.3	15.5	44.6	—	—	13.2	12.30
14		19.50	0.80	2880	7.1	8.0	0	0	10.60	30.5	95	—	—	0.43	1.24	<0.10	<0.30	0.007	0.02	0.71	2.04	1.15	3.28	—	—	0.06	0.17	4.96	14.3	15.5	44.6	—	—	—	—
15		00.10	0.75	2700	5.3	7.9	0	0	10.40	28.1	89	—	—	0.60	1.62	<0.10	<0.27	0.008	0.02	0.80	2.16	1.41	3.78	—	—	0.11	0.30	5.66	15.3	21.2	57.2	—	—	—	—
16	10.3.61	02.50	0.75	2700	4.8	8.0	0	0	11.00	29.7	98	2.00	5.40	0.30	0.81	<0.10	<0.27	0.010	0.03	0.76	2.05	1.10	2.86	—	—	0.08	0.22	9.21	24.9	16.1	43.4	—	—	—	—
17		07.10	0.75	2700	3.7	8.1	0	0	11.25	30.4	96	2.15	5.80	0.46	1.24	0.15	0.40	0.010	0.03	0.74	2.00	1.20	3.24	—	—	0.06	0.16	7.09	19.2	17.6	47.5	—	—	13.5	13.50
18		11.10	0.75	2700	5.8	7.8	0	0	12.25	33.1	107	4.75	12.80	0.54	1.46	0.16	0.43	0.010	0.03	0.75	2.07	1.30	3.48	—	—	0.16	0.43	4.96	13.4	18.3	49.4	—	—	13.9	13.20
19		14.50	0.75	2700	8.0	8.1	0	0	12.00	32.4	110	2.80	7.56	0.46	1.24	<0.10	<0.22	—	—	0.71	1.92	1.20	3.16	—	—	0.19	0.51	4.96	14.3	14.85	40.2	—	—	13.7	13.40
20		19.10	0.60	2160	8.0	7.9	0	0	14.30	30.8	132	1.50	3.24	0.36	1.30	<0.10	<0.22	0.007	0.02	0.51	1.10	0.88	1.88	—	—	0.10	0.22	4.96	10.7	18.9	40.8	—	—	13.5	12.00
21		22.50	0.80	2880	6.1	8.0	0	0	10.85	31.2	95	3.70	10.60	0.32	0.92	<0.10	<0.30	0.008	0.02	0.76	2.19	1.09	3.11	—	—	0.14	0.40	5.67	16.3	16.1	46.3	—	—	13.3	13.15
22	11.3.61	01.50	0.80	2880	5.7	8.2	0	0	11.10	32.0	97	1.80	5.18	0.43	1.24	<0.10	<0.30	0.008	0.02	0.79	2.27	1.23	3.51	—	—	0.09	0.26	5.67	16.3	17.3	49.8	—	—	13.3	13.15
23		05.50	0.80	2880	5.7	8.1	0	0	9.70	27.9	85	—	—	0.39	1.12	<0.10	<0.70	0.009	0.03	0.85	2.45	1.25	3.57	—	—	0.08	0.23	4.96	14.3	17.5	50.4	—	—	13.5	13.15
24		10.10	0.80	2880	6.2	8.0	0	0	11.55	33.3	101	2.25	6.48	0.44	1.27	<0.10	<0.30	0.011	0.03	0.80	2.30	1.25	3.57	—	—	0.09	0.26	4.96	14.3	15.5	44.7	—	—	13.8	13.70
25	Mischproben																																		
26	13.3.61	ML 05-22	—	—	—	—	—	—	—	—	—	3.75	—	1.17	—	0.26	—	0.008	—	0.73	—	1.91	—	—	—	0.12	—	4.96	—	38.6	—	—	—	13.8	13.15
27	14.3.61	ML 04-24	—	—	—	—	—	—	—	—	—	3.85	—	1.02	—	0.32	—	0.002	—	0.74	—	1.76	—	—	—	0.25	—	5.65	—	18.6	—	—	—	13.8	13.15
28	15.3.61	ML 24	—	—	—	—	—	—	—	—	—	3.20	—	1.23	—	0.25	—	0.003	—	0.75	—	1.98	—	—	—	0.16	—	5.65	—	14.8	—	—	—	13.9	13.20
29	16.3.61	ML 01-18	—	—	—	—	—	—	—	—	—	5.00	—	1.12	—	0.21	—	0.001	—	0.85	—	1.97	—	—	—	0.12	—	6.36	—	15.5	—	—	—	13.7	13.20
Summe von 1—24											56.90	193.43									29.53	98.90			3.82	12.55									
Mittelwert											2.85	9.67									1.23	4.12			0.16	0.52									
Tagesmittel											232.08											98.88			12.48										

Untersuchung der Seezuflüsse

Datum	Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe			Sauerstoff		Sättigung %	BSB ₅		Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionische Detergentien	Gesamt- Härte °dH	Karbonat- Härte °dH	Phenol		Bemerkungen	
		m³/s	m³/h		pH	ml/l	m³/h	mg/l	kg/h		mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h			
1	20. 6. 61	07.45	0.75	2700	15.8	7.1	Sp.	Sp.	9.50	25.60	104	4.56	12.30	1.90	5.13	0.07	0.190	0.012	0.030	0.91	2.46	2.82	7.62	0.02	0.050	0.09	0.24	—	—	14.0	37.80	—	—	—	—	0	
2		11.45	0.60	2160	18.4	7.3	Sp.	Sp.	9.95	21.50	114	1.52	3.28	2.83	6.12	0.08	0.170	0.012	0.026	0.89	1.92	3.73	8.05	0.02	0.040	0.08	0.17	—	—	26.6	57.46	—	—	—	—		
3		15.45	0.45	1620	18.9	7.3	Sp.	Sp.	9.20	14.90	106	2.64	4.27	1.69	2.74	0.08	0.130	0.012	0.019	0.86	1.39	2.56	4.15	0.04	0.060	0.07	0.11	4.00	6.48	22.8	36.94	—	—	—	—		
4		19.45	0.30	1080	16.5	—	—	—	8.15	8.80	91	1.28	1.38	0.68	0.73	0.05	0.050	0.010	0.010	1.06	1.14	1.75	1.88	0.01	0.010	0.03	0.03	5.10	5.52	9.5	10.26	—	—	—	—	17.1	
5		23.45	0.25	900	14.3	7.2	Sp.	Sp.	8.00	7.20	84	2.08	1.87	0.28	0.25	0.05	0.045	0.010	0.009	1.58	1.42	1.87	1.70	0.03	0.030	0.03	0.03	4.96	4.47	9.8	8.82	—	—	14.7	14.7		
6	21. 6. 61	02.45	0.25	900	13.6	6.9	Sp.	Sp.	7.45	6.70	79	1.45	1.30	0.36	0.32	0.05	0.045	0.010	0.009	1.54	1.39	1.91	1.72	0.05	0.045	0.24	0.22	4.61	4.15	10.7	9.63	—	—	16.5	16.5		
7		06.45	0.22	792	14.4	7.0	0	0	8.70	6.90	92	—	—	0.27	0.21	0.05	0.040	0.008	0.006	1.14	0.91	1.42	1.13	0.01	0.080	0.03	0.02	4.96	3.93	9.5	7.52	—	—	16.5	16.5		
8		10.45	0.39	1404	16.0	—	Sp.	Sp.	10.35	14.50	114	1.15	1.62	0.24	0.34	0.05	0.070	0.010	0.014	0.40	0.56	0.65	0.91	Sp.	Sp.	0.03	0.04	4.61	6.48	11.4	16.01	—	—	15.4	15.4	0	
9		14.45	0.40	1440	19.7	—	0	0	10.30	14.50	123	1.26	1.77	1.40	2.02	0.11	0.160	0.014	0.020	0.88	1.27	2.29	3.31	0.01	0.010	0.04	0.06	5.10	7.35	14.5	20.88	—	—	—	—		
10		18.45	0.40	1440	18.6	7.1	Sp.	Sp.	9.00	12.70	105	1.44	2.02	1.66	2.39	0.06	0.090	0.014	0.020	0.86	1.24	2.53	3.65	0.01	0.010	0.03	0.04	4.60	6.62	11.7	16.85	—	—	—	—		
11		22.45	0.40	1440	16.8	7.1	Sp.	Sp.	6.80	9.56	76	1.44	2.02	1.52	2.18	0.06	0.090	0.012	0.017	0.90	1.30	2.43	3.50	0.01	0.010	0.03	0.04	5.32	7.66	12.3	17.71	—	—	—	—		
12	22. 6. 61	01.45	0.40	1440	15.4	7.0	Sp.	Sp.	6.90	9.70	74	1.68	2.36	0.74	1.08	0.06	0.090	0.017	0.024	0.94	1.35	1.70	2.45	0.01	0.010	0.04	0.06	5.32	7.66	10.7	15.41	—	—	—	—		
13		06.15	0.40	1440	14.5	7.3	0	0	8.10	11.40	88	1.52	2.14	0.43	0.62	0.05	0.070	0.015	0.022	1.19	1.71	1.64	2.35	0.005	0.007	0.02	0.03	6.10	8.80	10.1	14.54	—	—	—	—		
14		09.45	0.40	1440	15.6	7.8	Sp.	Sp.	10.90	15.30	122	1.76	2.48	0.59	0.85	0.07	0.100	0.010	0.014	1.06	1.53	1.66	2.39	0.01	0.010	0.05	0.07	6.73	9.70	13.2	19.01	—	—	—	—		
15		13.45	0.40	1440	17.7	7.65	Sp.	Sp.	10.70	15.00	125	—	—	1.66	2.39	0.16	0.230	0.009	0.013	1.16	1.67	2.83	4.07	0.02	0.030	0.03	0.04	6.95	10.00	11.7	16.85	—	—	15.1	15.1		
16		18.00	0.40	1440	16.2	7.6	Sp.	Sp.	7.50	10.55	84	4.94	7.12	0.43	0.62	0.07	0.100	0.056	0.081	0.80	1.15	1.29	1.85	Sp.	Sp.	Sp.	Sp.	6.38	9.20	20.8	29.95	—	—	15.5	14.8		
17		21.45	0.45	1620	14.9	7.8	Sp.	Sp.	6.55	10.60	71	—	—	0.27	0.44	0.04	0.060	0.008	0.013	0.74	1.20	1.09	1.65	0.03	0.050	0.05	0.08	4.97	8.05	8.8	14.26	—	—	—	—		
18	23. 6. 61	00.45	0.50	1800	15.5	7.7	Sp.	Sp.	6.95	12.50	76	—	—	0.35	0.63	0.09	0.162	0.010	0.018	0.75	1.35	1.11	2.00	0.04	0.070	0.05	0.09	5.28	9.52	12.9	23.22	—	—	—	—		
19		05.15	0.45	1620	14.1	7.9	Sp.	Sp.	8.70	14.10	93	2.14	3.46	0.41	0.66	0.06	0.097	0.006	0.010	0.74	1.20	1.16	1.87	0.005	0.008	0.02	0.03	6.17	10.00	11.1	17.98	—	—	—	—		
20		08.45	0.40	1440	14.8	7.9	Sp.	Sp.	9.75	13.70	105	1.27	1.83	0.19	0.27	0.08	0.120	0.016	0.023	0.72	1.03	0.93	1.32	0.01	0.014	0.02	0.03	5.32	7.66	10.7	15.41	—	—	15.3	15.3		
21		12.45	0.40	1440	18.6	7.5																															

Untersuchung der Seezuflüsse

Datum	Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe			Sauerstoff		BSB ₅	Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionaktive Detergentien	Gesamt- Härte	Karbonat- Härte	Phenol		Bemerkungen		
		m³/s	m³/h		pH	ml/l	m³/h	mg/l	kg/h		mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h				mg/l	kg/h			
1	4.10.61	09.45	0.15	540	13.8	7.7	Sp.	Sp.	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.03	—	—	6.03	3.26	9.80	5.29	0	0	—	—	—	—		
2		13.45	0.15	540	16.6	7.5	Sp.	Sp.	12.05	6.50	138.0	3.7	2.00	0.82	0.44	—	—	0.02	0.01	1.15	0.62	1.99	1.08	0.08	0.04	0.19	0.10	7.09	3.83	13.60	7.35	0	0	—	—	
3		17.45	0.15	540	16.1	7.5	Sp.	Sp.	10.10	5.46	130.0	3.7	2.00	0.80	0.43	0.15	0.08	0.02	0.01	1.15	0.62	1.97	1.06	0.07	0.04	0.10	0.05	6.38	3.45	12.00	6.48	0	0	—	—	
4		22.15	0.13	468	14.2	7.5	Sp.	Sp.	7.45	3.49	79.4	1.6	0.75	0.82	0.39	0.09	0.04	0.01	0.01	1.15	0.54	1.98	0.93	0.05	0.02	0.18	0.09	6.02	2.82	9.20	4.31	0	0	—	—	
5	5.10.61	00.45	0.13	468	13.2	7.5	Sp.	Sp.	7.25	3.40	88.0	1.1	0.51	1.10	0.52	0.11	0.06	0.01	0.01	1.30	0.61	2.41	1.13	0.03	0.02	0.11	0.05	6.38	2.99	8.85	4.14	0	0	—	—	
6		04.45	0.13	468	12.0	7.5	Sp.	Sp.	7.35	3.44	74.8	2.0	0.94	0.88	0.41	0.14	0.07	0.02	0.02	1.40	0.66	2.30	1.08	0.04	0.02	0.11	0.05	5.67	2.66	10.10	4.74	0	0	—	—	
7		08.45	0.14	504	13.6	7.5	Sp.	Sp.	9.35	4.72	100.0	2.0	1.01	1.08	0.55	0.17	0.09	0.02	0.01	1.30	0.66	2.40	1.21	0.04	0.02	0.07	0.04	6.38	3.22	9.50	4.79	0	0	—	—	
8		12.45	0.15	540	15.8	7.6	Sp.	Sp.	12.50	6.75	140.0	4.25	2.29	1.33	0.72	1.26	0.68	0.02	0.01	1.00	0.54	2.35	1.27	0.05	0.03	0.10	0.05	6.74	3.64	13.30	7.17	0	0	—	—	
9		16.45	0.15	540	16.4	7.5	0	0	10.30	5.56	103.0	4.4	2.38	0.90	0.49	0.18	0.10	0.025	0.01	0.65	0.35	1.58	0.86	0.06	0.03	0.08	0.04	3.19	1.73	20.50	11.10	0	0	—	—	
10		20.45	0.13	468	14.2	7.4	Sp.	Sp.	7.70	3.61	82.4	1.5	0.70	1.06	0.50	0.12	0.06	0.01	0.01	1.15	0.54	2.22	1.04	0.06	0.03	0.08	0.04	6.38	2.99	9.80	4.58	0	0	—	—	
11	6.10.61	04.15	0.13	468	13.8	7.5	0	0	7.60	3.56	81.4	1.1	0.52	0.88	0.41	0.09	0.04	0.02	0.01	1.15	0.54	2.05	0.96	0.04	0.02	0.06	0.03	6.38	2.99	7.60	3.56	0	0	—	—	
12		08.15	0.13	468	13.4	7.8	Sp.	Sp.	8.80	4.13	92.2	1.4	6.56	1.18	0.55	0.13	0.06	0.02	0.01	1.25	0.59	2.45	1.15	0.03	0.01	0.12	0.06	6.38	2.99	9.80	4.58	0	0	—	—	
13		11.45	0.15	540	14.6	7.5	0	0	11.40	6.15	125.0	2.1	1.13	0.12	0.06	0.12	0.06	—	—	1.20	0.65	1.32	0.71	0.03	0.02	0.20	0.11	6.38	3.45	8.85	4.78	0	0	—	—	
14		15.45	0.15	540	16.0	7.4	Sp.	Sp.	11.40	6.15	128.0	2.0	1.08	0.54	0.29	0.08	0.04	—	—	1.20	0.65	1.74	0.94	0.06	0.03	0.07	0.04	6.74	3.64	9.50	5.13	0	0	—	—	
15		19.45	0.15	540	14.2	7.3	Sp.	Sp.	8.15	4.40	86.8	1.3	0.70	0.59	0.32	0.09	0.05	0.02	0.01	0.70	0.38	1.31	0.71	0.04	0.02	0.09	0.05	6.02	3.25	9.50	5.13	0	0	—	—	
16		23.45	0.14	504	13.1	7.4	Sp.	Sp.	7.60	3.84	80.0	1.1	0.56	0.79	0.40	0.08	0.04	0.02	0.01	1.25	0.63	2.05	1.00	0.05	0.03	0.09	0.05	6.73	3.40	8.55	4.32	0	0	—	—	
17	7.10.61	02.45	0.14	504	12.8	7.7	Sp.	Sp.	7.50	3.78	78.6	1.5	0.76	0.40	0.20	0.10	0.05	0.02	0.01	1.30	0.66	1.72	0.87	0.03	0.02	0.25	0.13	6.38	3.22	7.25	3.66	0	0	—	—	
18		07.15	0.15	540	12.7	7.7	Sp.	Sp.	7.60	4.11	79.4	—	—	0.46	0.25	0.09	0.05	0.02	0.01	1.35	0.73	1.83	0.99	0.03	0.02	0.05	0.02	6.02	3.25	8.20	4.42	0	0	—	—	
19		10.45	0.145	522	13.0	7.4	Sp.	Sp.	10.55	5.50	110.5	1.2	0.63	0.63	0.33	0.09	0.05	0.02	0.01	1.30	0.68	1.95	1.00	0.03	0.02	0.08	0.04	6.38	3.33	7.25	3.78	0	0	—	—	
20		14.45	0.15	540	13.8	7.6	Sp.	Sp.	10.80	5.84	115.5	2.0	1.16	0.47	0.25	0.09	0.05	0.02	0.01	1.30	0.70	1.79	0.97	0.03	0.02	0.10	0.05	6.38	3.45	8.20	4.42	0	0	—	—	
21		18.45	0.15	540	12.8	7.9	Sp.	Sp.	8.40	4.54	87.4	3.3	1.78	0.57	0.31	0.11	0.05	0.02	0.01	1.20	0.65	1.79	0.97	0.04	0.02	0.09	0.05	5.67	3.06	12.60	6.80	0	0	—	—	
22		22.45	0.16	576	11.6	7.8	Sp.	Sp.	7.90	4.55	81.4	2.4	1.38	0.64	0.37	0.09	0.05	0.02	0.01	1.35	0.78	2.01	1.15	0.03	0.02	0.07	0.04	6.74	3.89	12.00	6.91	0	0	—	—	
23	8.10.61	01.45	0.73	2628	11.4	7.2	0.1	0.1	9.00	23.50	91.3	3.7	9.73	0.66	1.74	0.13	0.34	0.02	0.05	1.05	2.76	1.73	4.55	0.03	0.08	0.12	0.32	7.44	19.60	20.20	56.80	0	0	—	—	
24		06.15	1.70	6120	10.7	7.2	0.1	0.1	9.50	58.20	94.0	3.8	23.30	0.78	4.78	0.23	1.41	0.04	0.24	1.45	8.88	2.27	13.90	0.07	0.43	0.18	1.10	6.02	36.90	25.90	159.00	0	0	—	—	
25		10.15	1.25	4500	10.8	7.7	Sp.	Sp.	10.50	47.30	107.0	4.2	18.90	0.79	3.56																					

Untersuchung der Seezuflüsse

Rhein

1. Untersuchung Februar 1961

Chem. Versuchsanstalt des Landes Vorarlberg

Bregenz, Montfortstraße 4

Datum	Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe			Sauerstoff		BSB ₅	Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionaktive Detergentien	Gesamt- Härte °dH	Karbonat- Härte °dH	Bemerkungen		
		m³/s	m³/h		pH	ml/l	m³/h	mg/l	kg/h	% Sättigung	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h				
1	13.2.61	09.00	111.0	399 600	4.5	8.3	0.15	59.9	11.3	4.515	95.0	2	799.2	1.70	679.3	0.48	191.8	0.005	2.00	0.45	179.8	2.15	859.1	0.060	23.98	0.10	39.9	1.30	519.4	7.8	3116	12.9	8.1	trüb
2		13.00	106.0	381 600	5.2	8.1	0.40	152.6	11.5	4.388	96.3	3	1144.8	0.87	332.0	0.55	209.9	0.008	3.05	0.74	282.4	1.61	614.4	0.048	18.32	0.10	38.2	1.35	515.2	8.8	3358	12.3	8.1	trüb
3		17.00	101.0	363 600	6.0	8.1	0.10	36.3	11.5	4.181	100.8	3	1090.8	1.00	363.6	0.80	290.9	0.005	1.82	0.60	218.2	1.60	581.8	0.052	18.90	0.085	27.3	1.35	490.9	7.8	2836	12.3	7.8	trüb
4		21.00	106.0	381 600	5.7	8.3	0.10	38.2	11.2	4.273	97.5	3	1144.8	1.20	457.9	0.44	167.9	0.012	4.58	1.25	477.0	2.45	934.9	0.030	11.40	0.065	21.0	1.45	553.3	8.3	3167	12.3	8.1	trüb
5	14.2.61	01.00	120.0	432 000	5.1	8.4	0.10	43.2	11.7	5.054	100.0	4	1728.0	1.14	492.5	0.44	190.1	0.010	4.32	1.04	449.3	2.18	941.8	0.040	17.30	0.09	38.9	1.25	540.0	8.5	3672	12.3	7.8	trüb
6		05.00	125.0	450 000	4.8	8.2	0.08	36.0	11.6	5.220	98.1	6	2700.0	1.10	495.0	0.44	198.0	0.008	3.60	1.05	472.5	2.15	967.5	0.075	33.75	0.12	58.5	1.40	630.0	8.0	3600	12.6	7.8	trüb
7		09.00	123.0	442 800	4.7	8.0	0.17	75.3	8.1	3.586	68.5	3	1328.4	0.60	265.7	0.47	208.1	0.012	5.31	0.85	376.4	1.45	642.1	0.050	22.10	0.08	35.4	1.10	487.1	9.0	3985	12.3	7.6	schön
8		13.00	118.0	424 800	5.6	8.2	0.05	21.2	11.9	5.055	102.5	3	1274.4	0.40	169.9	0.35	148.7	0.012	5.10	0.75	318.6	1.15	488.5	0.045	19.10	0.17	72.2	1.35	573.5	7.6	3228	12.3	7.3	schön
9		17.00	108.0	388 800	6.7	8.2	0.06	23.3	11.2	4.354	99.5	2	777.6	0.50	194.4	0.20	77.8	0.006	2.33	0.57	221.6	1.07	416.0	0.030	11.70	0.06	23.3	1.15	447.0	8.3	3237	10.6	7.0	schön
10		21.00	110.0	396 000	5.9	8.2	0.05	19.8	10.5	4.158	91.5	2	792.0	1.10	435.6	0.38	150.5	0.010	4.00	0.60	237.6	1.70	673.0	0.015	5.94	0.08	37.7	1.10	435.0	6.3	2495	12.3	7.0	schön
11	15.2.61	01.00	123.0	442 800	5.0	8.3	0.20	88.6	11.8	5.225	101.0	5	2214.0	1.05	464.9	0.38	168.3	0.010	4.40	0.55	243.5	1.60	708.5	0.045	19.90	0.06	26.5	1.25	553.5	6.9	3055	11.2	7.0	schön
12		05.00	123.0	442 800	4.5	8.2	0.12	53.1	11.2	4.959	94.0	6	2656.8	1.82	805.9	1.12	495.9	0.010	4.40	0.60	265.7	2.42	1071.0	0.040	17.70	0.08	35.4	1.30	575.6	7.6	3365	12.3	7.3	
13		09.00	120.0	432 000	4.4	7.9	0.28	120.9	11.7	5.054	97.0	2	864.0	1.40	604.8	0.60	259.2	0.015	6.50	0.70	302.4	2.10	907.2	0.030	12.90	0.09	38.8	1.45	626.4	7.9	3412	12.3	7.3	Frost, Nebel
14		13.00	110.0	396 000	5.4	7.9	0.50	198.0	9.45	3.742	81.2	2	792.0	1.06	419.7	0.20	79.2	0.028	11.10	1.50	5940.0	2.56	1013.0	0.030	11.80	0.12	47.5	1.40	554.4	12.8	5068	11.2	7.8	Nebel
15		17.00	105.0	378 000	5.8	8.0	0.18	68.0	11.95	4.517	104.0	6	2268.0	0.88	332.6	0.20	75.6	0.018	6.80	0.82	309.9	1.70	642.6	0.040	15.10	0.08	30.2	1.40	529.2	8.9				

Untersuchung der Seezuflüsse

Rhein

Datum	Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe			Sauerstoff		Sättigung ‰	BSB ₅		Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionische Detergentien		Gesamt- Härte °dH	Karbonat- Härte °dH	Bemerkungen
		m ³ /s	m ³ /h		pH	ml/l	m ³ /h	mg/l	kg/h		mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h			
1	3.7.61	09.00	543	1954800	14.4	8.1	1.25	2443.5	7.75	15149	82.0	59774	1.55	3030	0.30	586	0.008	16.0	0.77	1505.2	2.32	4535.1	0.040	78.2	0.12	234.6	1.1	2150.3	27.4	53562			6.2	4.8	schön
2		13.00	525	1890000	15.9	8.5	1.20	2268.0	8.65	16348	94.5	35670	1.80	3402	0.40	756	0.004	7.6	0.64	1209.6	2.44	4611.6	0.035	66.2	0.45	850.5	2.0	3780.0	27.4	51786	Spur	6.7	5.6	schön	
3		17.00	528	1900800	15.9	8.5	0.90	1710.7	8.25	15681	90.0	23802	1.50	2851	0.08	152	0.004	7.6	0.80	1520.6	2.30	4371.8	0.150	285.1	0.22	418.2	1.3	2471.0	13.6	25850		5.6	3.9	schön	
4		21.00	493	1774800	15.2	8.2	0.40	709.9	8.30	14730	89.8	23550	1.72	3052	0.10	177	0.007	12.4	0.50	887.4	2.22	3940.1	0.045	79.8	0.15	266.2	0.5	887.4	10.3	18280		6.2	4.8	schön	
5	4.7.61	01.00	484	1742400	15.0	8.5	0.41	714.4	9.10	15855	97.7	58712	1.05	1829	0.10	174	0.006	10.5	0.50	871.2	1.55	2700.7	0.100	174.0	0.25	435.6	1.2	2090.9	12.6	21954			6.2	4.8	bewölkt
6		05.00	505	1818000	14.8	8.4	0.71	1290.8	10.50	19089	112.0	59090	0.80	1454	0.20	363	0.008	14.5	0.57	1036.3	1.37	2490.7	0.035	63.6	0.18	327.2	1.1	1999.8	5.5	9999			6.2	4.8	schön
7		10.00	522	1879200	13.7	8.2	0.50	939.6	6.82	12816	69.6	11879	1.50	2818	0.16	300	0.012	22.6	0.53	995.9	2.03	3814.8	0.050	93.9	0.15	281.8	2.4	4510.1	9.7	18228	0.3	5.6	4.5	bewölkt	
8		14.00	510	1836000	13.8	8.3	0.40	734.4	6.70	11750	70.0	00	1.72	3157	0.10	183	0.005	9.2	0.60	1101.6	2.32	4259.5	0.040	73.4	0.17	312.1	1.4	2570.4	7.7	14137		6.7	4.5	Regen	
9		18.00	508	1828800	12.7	8.1	0.29	530.4	5.15	9418	52.6	00	0.80	1463	0.08	146	0.006	10.9	0.68	1243.6	1.48	2706.6	0.085	155.5	0.09	164.6	0.5	914.4	6.5	11887		5.6	3.9	bewölkt	
10		22.00	478	1720800	12.6	8.2	0.28	481.8	7.95	13680	81.0	00	0.70	1204	0.12	206	0.009	15.4	0.36	619.5	1.06	1824.0	0.025	43.0	0.06	103.3	0.7	1204.5	6.5	11185		6.7	4.5	bewölkt	
11	5.7.61	02.00	510	1836000	12.2	8.2	0.30	550.8	6.20	11383	62.7	00	0.62	1138	0.10	183	0.006	11.0	0.45	826.2	1.07	1964.5	0.030	55.1	0.05	92.0	0.9	1652.4	7.7	14137		5.6	4.5	bewölkt	
12		06.00	555	1998000	11.8	8.3	0.45	899.1	7.22	14425	72.5	00	0.70	1398	1.00	1998	0.014	27.9	0.68	1358.6	1.38	2757.2	0.050	99.9	0.07	139.8	0.4	799.2	9.4	18781		6.7	4.5	bewölkt	
13		11.00	534	1922400	12.4	8.4	0.45	865.1	9.50	18262	96.5	611534	0.70	1346	0.10	192	0.005	9.6	0.50	961.2	1.20	2306.9	0.450	86.5	0.12	230.7	0.4	769.0	10.6	20377	0.1	5.6	4.5	bewölkt	
14		15.00	487	1753200	13.2	8.4	0.75	1314.9	8.50	14902	88.0	712272	0.78	1367	0.08	140	0.015	26.3	0.57	999.3	1.35	2366.8	0.125	219.1	0.25	438.3	1.2	2103.8	10.3	18057		6.7	4.5	bewölkt	
15		19.00	499	1796400	12.9	8.3	0.39	706.0	3.00	5389	30.7	00	0.93	1670	0.08	143	0.009	16.2	0.45	808.4	1.38	2479.0	0.090	162.0	0.11	197.0	0.2	359.2	8.7	15628		5.6	3.9	bewölkt	
16		23.00	464	1670400	12.4	8.3	0.35	584.6	8.95	14950	90.5	23340	1.03	1720	0.16	267	0.017	28.4	0.57	952.1	1.60	2672.6	0.060	100.2	0.30	501.1	0.7	1169.3	9.0	15033		5.9	4.5	schön	
17	6.7.61	03.00	441	1587600	11.6	8.4	0.22	349.3	7.60	12065	76.0	00	1.09	1730	0.20	317	0.009	14.3	0.50	793.8	1.59	2524.3	0.090	143.0	0.10	158.7	0.6	952.5	9.0	14288		6.2	4.5	schön	
18		07.00	417	1501200	11.1	8.3	0.25	375.3	7.85	11784	77.5	00	0.72	1080	0.20	302	0.006	9.0	0.50	750.6	1.22	1831.5	0.050	75.1	0.21										

Untersuchung der Seezuflüsse

Datum	Tageszeit	Wasser- führung		Temperatur	Absetzbare Stoffe			Sauerstoff		BSB ₅	Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionaktive Detergentien	Gesamt- Härte	Karbonat- Härte	Bemerkungen				
		m³/s	m³/h	°C	pH	ml/l	m³/h	mg/l	kg/h	‰	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	°dH	°dH				
1	16.10.61	09.00	88.6	318 960	9.3	7.9	0.05	15.90	7.80	2488	74.0	1	318.9	1.25	398.7	0.16	51.00	0.014	4.46	0.70	223.3	1.95	622.0	0.040	12.75	0.06	19.10	1.9	606.0	6.1	1945	0.3	95.70	7.8	4.5	Nebel, leichte Ölflecken
2		13.00	99.4	357 840	10.7	7.9	0.03	10.70	10.45	3739	102.0	4	1431.0	1.10	393.6	0.20	71.50	0.013	4.65	0.72	257.6	1.82	651.0	0.025	8.94	0.06	21.50	1.5	536.7	7.1	2540	0.3	107.40	10.1	6.2	schön
3		17.00	93.7	337 320	11.4	7.9	0.05	16.90	9.15	3086	91.0	3	1011.0	0.60	202.4	0.16	54.00	0.015	5.05	0.60	202.4	1.20	404.8	0.025	8.43	0.5)	16.90	1.6	539.7	6.4	2158	0.3	101.20	9.0	6.2	schön, leichte Ölflecken
4		21.00	105.0	378 000	10.8	8.2	0.08	30.20	9.72	3674	95.3	3	1134.0	1.08	408.2	0.20	75.60	0.023	8.69	0.62	234.4	1.70	642.6	0.030	11.34	0.03	11.34	2.6	982.8	7.1	2684	0.3	113.40	10.1	6.2	trüb
5	17.10.61	01.00	108.0	388 800	10.3	8.2	0.05	19.40	9.85	3829	95.5	5	1944.0	0.72	279.9	0.20	77.80	0.018	6.99	0.82	318.8	1.54	598.7	0.040	15.55	0.28	108.80	2.1	816.5	6.8	2643	0.1	38.90	10.1	6.2	leichter Regen
6		05.00	109.0	392 400	10.2	8.4	0.07	27.50	9.60	3767	93.0	5	1962.0	1.08	423.8	0.20	78.50	0.027	10.59	0.88	345.3	1.96	769.1	0.050	19.62	0.07	27.47	1.3	510.1	7.1	2786	0.1	39.20	10.1	6.2	starker Regen, Sturm
7		10.00	101.0	363 600	9.9	7.9	0	0	6.50	2363	62.5	0	0	0.23	83.6	0.20	72.70	0.019	6.91	0.58	210.8	0.81	294.5	0.010	3.62	0.015	5.45	1.8	654.5	6.1	2270	0.1	36.40	9.5	6.2	starker Regen
8		14.00	96.5	347 400	10.1	8.1	0.05	17.37	3.38	1174	32.7	0	0	0.30	104.2	0.20	69.50	0.015	5.21	0.47	163.3	0.77	267.5	0.035	12.16	0.06	20.84	3.0	1042.0	5.8	2015	0.1	34.70	10.1	6.2	Regen
9		18.00	89.8	323 280	10.3	8.0	0.07	22.63	2.79	902	27.1	0	0	0.30	97.0	0.12	38.80	0.013	4.20	0.58	187.5	0.88	284.5	0.040	12.93	0.05	16.16	2.0	646.6	4.5	1454	0.1	32.32	10.1	6.2	Regen
10		22.00	111.0	399 600	9.8	8.2	0.06	23.97	2.95	1179	28.3	0	0	0.37	147.8	0.20	79.90	0.013	5.19	0.59	235.7	0.96	383.6	0.030	11.98	0.19	75.92	1.7	679.3	5.4	2157	0.1	39.96	9.5	6.2	bewölkt
11	18.10.61	02.00	122.0	439 200	9.2	8.1	0.08	35.14	9.75	4282	92.0	3	1317.0	0.10	43.9	0.40	175.70	0.010	4.39	0.72	316.2	0.82	360.1	0.030	13.17	0.04	17.57	1.9	834.5	6.0	2635	0.3	131.70	9.5	6.2	Regen
12		06.00	115.0	414 000	8.8	8.2	0.10	41.40	6.20	2566	58.0	0	0	0.53	219.4	0.50	207.00	0.022	9.11	0.64	264.9	1.17	484.4	0.060	24.84	0.11	45.54	1.7	703.8	7.0	2898	0.3	124.20	9.0	5.6	Regen
13		11.00	111.0	399 600	8.9	8.2	0.10	39.96	9.85	3936	94.5	6	2397.0	6.80	319.7	0.16	63.93	0.008	3.19	0.60	239.7	1.40	559.4	0.040	15.98	0.10	39.96	2.4	959.0	7.6	3037	0.3	119.80	9.5	6.2	bewölkt, leichte Ölflecken
14		15.00	109.0	392 400	8.4	8.3	0.15	58.90	9.95	3904	92.0	4	1569.0	0.86	337.5	0.30	117.70	0.019	7.45	0.45	176.6	1.31	514.0	0.040	15.69	0.04	15.69	2.1	824.0	8.0	3139	0.3	117.70	9.5	6.2	bewölkt
15		19.00	112.0	403 200	7.9	8.4	0.13	52.41	10.05	4052	92.0	6	2419.0	0.90	362.8	0.30	120.90	0.018	7.26	0.60	241.9	1.50	614.8	0.070	28.22	0.09	36.28	2.4	967.7	9.2	3709	0.3	120.90	10.6	5.6	bewölkt
16		23.00	126.0	453 600	7.2	8.2	0.17	77.11	10.25	4649	92.3	6	2721.0	1.24	562.5	0.20	90.72	0.019	8.62	0.58	263.1	1.82	625.5	0.060	27.21	0.11	49.89	1.9	861.8	8.3	3765	0.3	136.10	9.5	5.6	bewölkt
17	19.10.61	03.00	118.0	424 800	6.8	8.2	0.15	63.72	9.85	4184	87.8	4	1699.0	0.53	225.0	0.20	84.96	0																		

Untersuchung der Seezuflüsse

Dornbirner Ache

1. Untersuchung Februar 1961

Chem. Versuchsanstalt des Landes Vorarlberg

Bregenz, Montfortstraße 4

Datum	Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe			Sauerstoff		Sättigung %	BSB ₅		Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionische Detergentien		Gesamt- Härte °dH	Karbonat- Härte °dH	Bemerkungen
		m³/s	m³/h		pH	ml/l	m³/h	mg/l	kg/h		mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h			
1	13.2.61	09.00	15.21	54 756	5.5	8.2	0.30	16.40	8.9	487.3	76.6	4	219.0	1.12	67.3	0.20	11.0	0.006	0.33	0.70	38.3	1.82	99.6	0.055	3.00	0.11	6.0	2.60	142.4	25.2	1380.0		12.3	10.9	trüb
2		13.00	13.88	49 968	5.4	8.1	0.25	12.50	10.7	534.6	92.1	2	99.9	1.60	79.9	0.58	29.0	0.020	1.00	0.74	37.0	2.34	116.9	0.075	3.70	0.08	4.0	3.90	194.9	27.3	1364.0		12.3	11.2	trüb
3		17.00	12.92	46 512	6.2	7.8	0.20	9.30	11.1	516.3	42.9	7	325.5	1.30	60.5	0.25	11.6	0.007	0.32	0.63	29.3	1.93	89.8	0.095	4.40	1.30	60.5	4.50	209.3	25.2	1172.0		12.0	11.2	trüb
4		21.00	12.55	45 180	5.6	8.3	0.35	15.80	10.1	456.3	87.5	6	271.0	1.10	49.7	0.30	13.6	0.018	0.81	1.05	47.4	2.15	97.1	0.065	2.90	0.24	10.8	2.70	122.0	29.0	1310.0		13.4	11.2	trüb
5	14.2.61	01.00	12.62	45 432	4.7	8.1	0.25	11.40	10.5	477.0	89.0	9	408.8	1.25	56.8	0.25	11.4	0.015	0.70	1.02	46.3	2.27	103.1	0.085	3.90	0.10	4.5	3.75	170.4	26.0	1181.0		12.9	11.2	trüb
6		05.00	12.25	44 100	4.8	7.9	0.10	4.40	10.9	480.7	92.5	9	396.9	0.93	41.0	0.58	25.6	0.012	0.53	1.05	46.3	1.98	87.3	0.010	3.10	0.08	3.5	2.05	90.4	20.3	895.0		12.9	11.2	trüb
7		09.00	11.88	42 768	3.6	8.0	0.17	7.30	10.2	436.2	63.4	7	299.3	0.50	21.4	0.30	12.8	0.018	0.80	0.98	41.9	1.48	63.3	0.060	2.60	0.09	3.8	1.80	77.0	19.3	825.0		12.3	11.2	schön
8		13.00	11.07	39 852	5.4	8.0	0.30	12.00	9.1	362.6	78.2	6	239.1	0.70	27.9	0.45	17.9	0.017	0.70	0.70	27.9	1.40	55.8	0.085	3.40	0.14	5.6	4.35	173.4	24.3	968.4		13.4	11.2	schön
9		17.00	10.17	36 612	6.7	8.0	0.12	4.40	8.7	318.5	77.0	6	219.6	1.18	43.2	0.20	7.3	0.015	0.55	0.55	20.1	1.73	63.3	0.110	4.00	0.15	5.5	4.90	179.4	28.6	1047.0		11.8	11.2	schön
10		21.00	10.05	36 180	5.8	8.2	0.08	2.90	7.8	282.2	68.1	7	253.3	1.25	45.2	0.38	13.7	0.013	0.47	0.60	21.7	1.85	66.9	0.075	2.70	0.15	5.4	4.30	155.6	30.0	1085.0		11.8	11.2	schön
11	15.2.61	01.00	9.93	35 748	3.9	8.2	0.15	5.40	10.3	368.2	85.0	12	429.0	1.10	39.3	0.20	7.1	0.012	0.42	0.55	19.7	1.65	59.0	0.075	2.70	0.10	3.6	2.65	94.7	20.0	715.0		11.8	11.2	schön
12		05.00	9.93	35 748	3.0	8.1	0.08	2.90	10.15	362.8	82.0	11	393.2	1.10	39.3	0.38	13.6	0.011	0.39	0.59	21.1	1.69	60.4	0.050	1.78	0.05	1.8	2.45	87.6	16.4	586.3		11.8	11.2	Frost, Nebel
13		09.00	9.37	33 732	3.2	7.9	0.05	1.70	10.7	360.9	86.8	1	33.8	0.93	31.4	0.20	6.7	0.015	0.50	0.62	20.9	1.55	52.3	0.050	1.70	0.08	2.7	1.90	64.1	16.1	543.1		12.3	10.6	Frost, Nebel
14		13.00	8.84	31 824	4.6	7.8	0.10	3.20	11.3	359.6	94.9	8	254.6	1.50	47.7	0.20	6.4	0.022	0.70	0.73	23.2	2.23	71.0	0.080	2.50	0.14	4.4	5.45	173.4	25.3	805.1		13.4	11.2	schön
15		17.00	8.33	29 988	5.8	7.8	0.03	0.90	10.3	308.9	89.5	12	359.9	1.50	45.0	0.68	20.4	0.018	0.54	0.68	20.4	2.18	65.4	0.110	3.30	0.15	4.3	4.75	142.4	24.7	740.7		12.9	11.8	schön
16		21.00	8.02	28 872	5.4	8.0	0.05	1.40	10.0	288.7	86.1	13	375.3	1.24	36.1	0.25	7.2	0.015	0.43	0.68	19.6	2.12	61.2	0.110	3.17	0.21	6.1	6.10	176.1	25.3	730.5		11.8	11.8	schön
17	16.2.61	01.00	8.22	29 592																															

Untersuchung der Seezuflüsse

Probeentnahmestelle:

Dornbirner Ache

2. Untersuchung Juli 1961

Untersuchendes Institut

Chem. Versuchsanstalt des Landes Vorarlberg

Bregenz, Montfortstraße 4

Datum	Tageszeit	Wasserführung		Temperatur	Absetzbare Stoffe			Sauerstoff			BSB ₅		Kjeldahl-N		Ammonium-N		Nitrit-N		Nitrat-N		Gesamt-N		Anorganischer (Phosphat) P		Gesamt-P		Chlorid Cl		KMnO ₄ -Verbrauch		Anionaktive Detergentien		Gesamt-Härte		Karbonat-Härte		Bemerkungen
		m ³ /s	m ³ /h		pH	ml/l	m ³ /h	mg/l	kg/h	‰	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	°dH	°dH			
1	3.7.61	09.00	3.83	13788	18.2	8.2	0.02	0.27	5.66	77.21	64.0	4	55.15	1.10	15.17	0.50	6.89	0.053	0.73	0.72	9.93	1.87	25.78	0.19	2.62	0.08	1.10	3.0	41.36	14.0	193.00		12.9	12.3	schön		
2		13.00	3.83	13788	21.7	7.9	0.03	0.41	6.80	93.76	83.0	4	55.15	2.15	29.64	0.40	5.51	0.048	0.66	0.65	8.96	2.80	38.60	0.15	2.07	0.15	2.07	3.1	42.74	15.3	210.90	Spur	12.6	11.8	schön		
3		17.00	3.83	13788	20.1	8.2	0.01	0.14	6.10	84.11	75.1	8	110.30	1.90	26.20	0.78	10.75	0.062	0.85	0.68	9.37	2.64	36.40	0.20	2.76	0.22	3.03	4.6	63.42	21.0	289.50		12.3	11.7	schön		
4		21.00	3.45	12420	20.4	8.2	0.01	0.12	4.70	58.37	56.0	7	84.46	2.65	32.91	0.32	3.97	0.065	0.81	0.60	7.45	3.31	41.11	0.10	1.24	0.21	2.61	7.0	86.94	20.0	248.00		12.9	12.3	schön		
5	4.7.61	01.00	2.98	10728	19.0	8.2	0.02	0.21	3.08	33.04	35.8	12	131.95	3.30	35.40	0.32	3.43	0.085	0.91	0.60	6.43	3.99	42.70	0.14	1.50	0.15	1.61	4.2	45.06	27.4	293.90		12.3	12.3	bewölkt		
6		05.00	2.95	10620	17.4	7.9	<0.01	0.11	4.08	43.33	46.0	4	42.28	1.55	16.46	0.24	2.55	0.064	0.68	0.57	6.05	2.18	23.15	0.15	1.59	0.17	1.80	6.5	69.03	19.6	208.15		12.0	12.9	schön		
7		10.00	3.39	12204	17.8	7.9	0.01	0.12	2.44	29.78	27.7	4	48.82	1.90	23.19	0.24	2.93	0.049	0.50	0.63	7.69	2.53	30.88	0.13	1.59	0.17	2.07	9.1	111.06	18.0	219.70		13.4	12.9	bewölkt		
8		14.00	3.61	12996	18.4	7.9	0.01	0.13	3.88	50.42	44.5	6	78.00	2.60	33.79	0.44	5.72	0.053	0.69	0.60	7.80	3.25	42.24	0.17	2.21	0.17	2.21	6.3	81.87	16.7	217.03		13.4	12.3	Regen		
9		18.00	4.18	15048	18.1	8.0	0.01	0.15	1.40	21.07	11.9	7	105.35	3.70	55.68	0.60	9.03	0.068	1.02	0.60	9.03	4.37	65.76	0.18	2.71	0.18	2.71	10.2	153.49	25.2	379.20	0.3	4.51	12.3	12.3	bewölkt	
10		22.00	4.50	16200	16.8	8.1	0.03	0.49	3.62	58.64	40.1	5	81.00	1.80	29.16	0.32	5.18	0.067	1.08	0.63	10.21	2.50	40.50	0.12	1.94	0.17	2.75	4.1	66.42	21.6	349.92		11.8	11.8	bewölkt		
11	5.7.61	02.00	4.05	14580	15.8	8.0	0.02	0.29	2.52	36.74	27.5	4	58.32	1.18	17.20	0.20	2.92	0.047	0.68	0.63	9.18	1.90	26.24	0.11	1.60	0.32	6.12	6.4	93.31	19.3	281.39		11.8	11.8	bewölkt		
12		06.00	3.67	13212	14.9	8.3	0.02	0.26	1.77	23.38	11.5	4	52.84	1.18	15.59	0.46	6.08	0.035	0.46	0.72	9.51	1.90	23.78	0.10	1.32	0.15	1.98	6.5	85.88	20.3	268.20		12.9	12.3	bewölkt		
13		11.00	3.89	14004	15.1	8.2	0.01	0.14	4.10	57.42	44.1	7	98.00	1.10	15.40	0.65	9.10	0.059	0.82	0.72	10.08	1.88	26.33	0.11	1.54	0.17	2.38	6.2	86.82	16.7	233.87		12.9	12.3	bewölkt		
14		15.00	3.74	13464	16.0	8.2	0.02	0.27	3.15	42.41	34.5	8	107.68	1.80	24.23	0.28	3.77	0.066	0.89	0.68	9.15	2.55	34.20	0.16	2.15	0.21	2.83	6.8	91.55	22.2	298.90		11.8	11.8	bewölkt		
15		19.00	3.67	13212	16.7	7.9	0.02	0.26	3.37	44.52	41.0	10	132.12	1.85	24.44	0.45	5.94	0.082	1.08	0.72	9.51	2.65	35.01	0.16	2.11	0.17	2.25	9.3	122.87	23.5	310.48		11.8	11.8	bewölkt		
16		23.00	3.14	11304	15.5	8.2	0.03	0.34	2.83	32.00	30.7	7	79.10	2.30	26.00	0.24	2.71	0.113	1.27	0.63	7.12	3.04	34.36	0.13	1.47	0.15	1.69	11.9	134.52	23.5	265.64	0.2	2.26	11.8	11.8	schön	
17	6.7.61	03.00	3.00	10800	14.4	8.2	0.01	0.11	2.98	32.18	31.6	4	43.20	1.70	18.36	0.44	4.75	0.100	1.08	0.60	6.48	2.40	25.92	0.15	1.62	0.16	1.73	4.9	52.92	19.7	212.76	0.5	5.40	12.9	12.3	schön	
18		07.00	2.94	10584	13.7	8.0	0.02	0.21	2.18	23.07	22.8	9	95.22	1.70	17.99	0.20	2.12	0.085	0.90	0.63	6.67	2.42	25.51	0.15	1.59	0.27	2.86	7.1	75.15	25.2	266.72		12.9	12.3	schön		
19		12.00	3.49	12564	15.1	7.9	0.01	0.12	4.35	54.65	46.8	6	75.36	0.98	12.31	0.20	2.51	0.043	0.54	0.68	8.54	1.66	20.86	0.13	1.63	0.36	4.52	6.3	79.15	16.8	211.07		13.4	12.9	schön		
20		16.00	3.46	12456	17.6	8.0	0.01	0.12	2.63	32.76	29.7	4	49.82	1.70	21.17	0.82	10.21	0.085	1.06	0.57	7.10	2.36	29.27	0.15	1.87	0.28	3.49	6.8	84.70	23.9	297.70		12.9	11.8	schön		
21		20.00	3.43	12348	17.2	8.4	0.02	0.25	3.60	44.4																											

Untersuchung der Seezuflüsse

Dornbirner Ache

3. Untersuchung Oktober 1961

Chem. Versuchsanstalt des Landes Vorarlberg

Bregenz, Montfortstraße 4

Datum	Tageszeit	Wasserführung		Temperatur	Absetzbare Stoffe			Sauerstoff		BSB ₅	Kjeldahl-N		Ammonium-N		Nitrit-N		Nitrat-N		Gesamt-N		Anorganischer (Phosphat) P		Gesamt-P		Chlorid Cl		KMnO ₄ -Verbrauch		Anionaktive Detergentien	Gesamt-Härte °dH	Karbonat-Härte °dH	Bemerkungen				
		m ³ /s	m ³ /h	°C	pH	ml/l	m ³ /h	mg/l	kg/h	% Sättigung	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h				
1	16.10.61	09.00	1.83	6588	10.9	7.8	0.01	0.06	4.55	29.90	44.6	5	32.90	4.00	26.30	1.80	11.90	0.021	0.14	0.43	2.80	4.43	29.20	0.30	1.90	0.65	4.30	8.5	56.00	17.2	113.30	0.1	0.60	15.1	15.1	leichte Ölflecken, Nebel
2		13.00	1.83	6588	12.6	7.8	0.01	0.06	7.15	47.10	73.0	8	52.70	3.20	21.10	1.75	11.50	0.023	0.15	0.56	0.37	3.76	24.77	0.24	1.58	0.38	2.50	6.9	45.46	16.4	108.04	0.1	0.60	15.1	15.1	schön
3		17.00	1.88	6768	12.5	7.8	0.01	0.07	7.15	48.39	72.5	7	48.39	3.20	21.66	1.60	10.83	0.028	0.19	0.47	3.18	3.67	24.84	0.25	1.69	0.33	2.23	6.4	43.31	16.7	113.02	0.1	0.70	14.3	14.0	leichte Ölflecken, schön
4		21.00	1.98	7128	12.4	7.9	0.02	0.14	1.45	10.33	14.7	24	171.07	10.00	71.28	5.00	35.64	0.068	0.48	0.20	1.42	10.27	73.20	0.37	2.64	0.58	4.13	14.9	106.21	58.4	416.27	0.1	0.70	13.4	16.2	trüb
5	17.10.61	01.00	1.98	7128	12.1	7.9	0.02	0.14	6.20	44.19	62.8	50	356.40	6.25	44.55	5.20	37.06	0.126	0.89	0.25	1.78	6.50	47.19	0.37	2.64	0.89	6.34	37.3	265.87	76.1	542.44	0.2	1.40	13.4	16.2	leichter Regen
6		05.00	1.98	7128	12.6	7.9	0.03	0.21	0.40	2.85	4.1	38	270.86	6.25	44.55	6.20	44.19	0.066	0.47	0.15	1.07	6.46	46.05	0.37	2.64	0.72	5.13	23.0	163.94	54.2	386.34	0.2	1.40	14.6	16.2	starker Regen, Sturm
7		10.00	2.05	7380	12.0	7.9	0.02	0.15	0.35	2.58	3.5	19	140.22	3.20	23.61	2.70	19.92	0.024	0.18	0.20	1.47	3.40	25.09	0.29	2.14	0.45	3.32	25.6	188.93	47.1	347.60	0.2	1.47	14.6	16.2	Sturm
8		14.00	2.36	8496	12.2	7.6	0.10	0.85	6.15	52.25	62.2	27	229.39	3.50	29.73	2.70	22.94	0.060	0.51	0.18	1.53	3.74	31.77	0.36	3.06	1.08	9.17	38.1	323.69	43.9	372.97	0.2	1.70	13.4	15.1	Regen
9		18.00	2.43	8748	12.3	7.7	0.08	0.70	0.60	5.25	6.1	32	279.93	9.00	78.73	5.00	43.74	0.050	0.44	0.25	2.19	9.25	80.92	0.42	3.67	1.00	8.75	28.6	250.19	66.4	580.87	0.2	1.75	13.4	16.2	Regen
10		22.00	2.87	10332	10.9	7.8	0.01	0.10	0.12	1.24	1.2	27	278.96	2.70	27.89	4.00	41.33	0.013	0.13	0.15	1.55	2.85	29.44	0.24	2.48	0.65	6.71	29.2	301.69	65.1	672.61	0.2	2.06	11.8	15.7	bewölkt
11	18.10.61	02.00	5.76	20736	11.0	7.9	2.40	49.76	1.38	28.61	13.6	32	663.55	2.65	54.95	1.80	37.32	0.060	1.24	0.47	9.74	3.18	65.94	0.46	9.54	2.55	52.88	16.8	348.36	84.2	1745.97	0.8	16.59	10.1	11.8	Regen
12		06.00	8.82	31752	8.7	7.9	1.25	39.69	13.65	433.41	127.5	13	414.77	1.17	37.15	1.20	38.10	0.018	0.57	0.37	11.75	1.54	48.90	0.26	8.25	0.50	15.87	4.7	149.23	54.8	1740.00	0.8	25.40	11.2	10.6	Regen
13		11.00	17.40	62640	8.9	8.2	1.60	100.22	7.70	482.33	72.0	53	3319.92	2.88	180.40	0.70	43.85	0.010	0.62	0.65	40.71	3.53	221.12	0.19	11.90	0.68	42.59	6.3	394.63	62.4	3908.73	0.8	50.11	9.5	9.0	leichte Ölflecken, bewölkt
14		15.00	13.22	47592	7.8	8.2	0.45	21.42	7.85	373.60	71.6	34	1618.13	1.80	85.66	0.93	44.26	0.024	1.14	0.65	30.93	2.45	116.60	0.17	8.09	0.24	11.42	4.2	199.88	52.3	2489.06	0.8	38.07	9.5	9.0	bewölkt
15		19.00	10.71	38556	7.9	8.2	0.16	6.17	8.10	312.30	74.0	20	771.12	1.62	62.46	1.43	55.13	0.023	0.88	0.80	30.84	2.42	93.30	0.14	5.39	0.20	7.71	5.3	204.34	49.6	1912.37	0.8	30.84	9.5	9.0	bewölkt
16		23.00	8.23	29628	6.6	8.5	0.04	1.18	7.90	234.06	70.0	16	474.04	1.20	45.55	0.82	24.29	0.030	0.89	0.82	24.29	2.02	59.85	0.12	3.55	0.29	8.59	8.7	257.76	38.3	1134.75	0.8	23.70	10.1	9.0	bewölkt
17	19.10.61	03.00	7.11	25596	6.4	8.0	0.03	0.77	8.10	207.33	71.6	11	281.55	1.03	26.36	1.08	27.64	0.031	0.79	0.75	19.19	1.78	45.56	0.12	3.07	0.24	10.49	6.2	158.69	23.3	596.38	0.				

Untersuchung der Seezuflüsse

Bregenzer Ache

1. Untersuchung Februar 1961

Chem. Versuchsanstalt des Landes Vorarlberg

Bregenz, Montfortstraße 4

Datum	Tageszeit	Wasser- führung		Temperatur	Absetzbare Stoffe			Sauerstoff			BSB ₅		Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionaktive Detergentien		Gesamt- Härte		Karbonat- Härte		Bemerkungen
		m³/s	m³/h		pH	ml/l	m³/h	mg/l	kg/h	‰	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	°dH	°dH			
1	27. 2. 61	09.00	32.8	118 080	4.7	7.6	0.01	1.18	15.1	1783	105.0	2	236.2	0.60	70.8	0.09	10.6	0.016	1.89	0.37	43.7	0.97	114.5	0.055	6.49	0.11	12.99	1.05	124.0	7.6	897.4					schön	
2		13.00	37.1	133 560	5.4	8.2	0.01	1.33	15.3	2043	131.2	2	267.1	0.56	74.8	0.09	12.0	0.007	0.93	0.37	49.4	0.93	124.2	0.110	14.7	0.19	25.4	0.85	113.5	7.0	934.9	0.265	35.39	9.5	9.0	schön	
3		17.00	36.0	129 600	6.3	8.0	0.01	1.29	14.6	1892	128.3	2	259.2	0.77	99.8	0.10	13.0	0.010	1.30	0.50	64.8	1.27	164.6	0.070	9.1	0.08	10.4	1.10	142.5	6.4	829.4			9.5	9.0	schön	
4		21.00	37.1	133 560	5.8	8.3	0.01	1.33	14.9	1997	130.0	2	267.1	0.30	40.1	0.10	13.3	0.011	1.47	0.58	77.5	0.88	117.5	0.070	9.3	0.07	9.3	1.00	133.5	7.1	948.3			9.2	9.0	schön	
5	28. 2. 61	01.00	42.0	151 200	5.4	8.3	0.04	6.05	15.3	2313	131.2	5	756.0	0.40	60.5	0.08	12.1	0.011	1.66	0.45	68.0	0.85	128.5	0.090	13.6	0.09	13.6	1.05	158.7	7.6	1149			9.5	9.0	schön	
6		05.00	42.0	151 200	4.9	8.3	0.03	4.54	15.4	2328	131.0	3	453.6	0.48	72.6	0.08	12.1	0.015	2.27	0.55	83.2	1.03	155.7	0.080	12.1	0.08	12.1	0.65	98.3	8.1	1225			9.5	9.0	schön	
7		09.00	38.2	137 520	4.6	8.3	0.02	2.74	14.5	1989	122.0	2	275.0	0.34	46.6	0.10	13.7	0.017	2.33	0.45	61.7	0.79	108.4	0.065	8.5	0.13	17.8	0.90	123.5	12.1	1660			9.5	9.0	bewölkt	
8		13.00	44.6	160 560	5.0	8.1	0.03	4.82	13.8	2224	118.0	1	160.5	0.34	54.6	0.10	16.0	0.013	2.08	0.58	93.1	0.92	147.7	0.080	12.8	0.30	48.2	0.90	144.5	8.1	1300			9.5	9.0	bewölkt, windig	
9		17.00	44.6	160 560	4.9	8.1	0.02	3.21	13.8	2216	117.0	2	321.1	0.50	80.3	0.10	16.0	0.012	1.93	0.45	72.2	0.95	152.5	0.055	8.8	0.17	27.3	0.75	120.4	8.4	1349			9.0	8.7	Regen	
10		21.00	68.4	246 240	4.6	8.5	0.10	24.60	15.3	3780	129.5	5	1231.2	0.78	192.1	0.06	14.8	0.016	3.94	0.42	103.4	1.20	295.5	0.098	24.1	0.18	44.3	1.15	283.2	19.1	4703			9.0	8.4	Regen	
11	1. 3. 61	01.00	70.1	252 360	4.2	8.4	0.18	45.40	14.5	3672	121.0	3	757.1	0.80	201.9	0.10	25.2	0.015	3.78	0.50	126.2	1.30	328.0	0.260	65.6	0.27	68.1	0.60	151.4	18.5	4669			9.0	8.4	Regen	
12		05.00	58.0	208 800	3.9	8.4	0.11	23.00	12.8	2683	116.0	3	624.2	0.60	125.3	0.10	20.9	0.018	3.75	0.42	87.7	1.02	213.0	0.130	27.1	0.13	27.1	1.00	208.8	13.8	2881			9.0	8.4	Regen	
13		09.00	55.2	198 720	4.1	8.5	0.09	17.90	15.1	3011	126.0	4	794.9	0.62	123.2	0.16	31.8	0.014	2.80	0.25	49.7	0.87	172.9	0.085	16.9	0.09	17.9	1.30	258.3	10.8	2146			9.0	8.4	bewölkt	
14		13.00	65.0	234 000	4.2	8.3	0.09	21.10	16.5	3873	138.0	4	936.0	0.52	121.7	0.25	58.5	0.016	3.74	0.30	70.2	0.82	191.9	0.180	42.1	0.18	42.1	1.25	292.5	14.5	3393			9.0	8.4	schön	
15		17.00	62.2	223 920	4.0	8.3	0.06	13.40	15.1	3392	126.0	4	995.7	0.57	127.6	0.30	67.2	0.012	2.68	0.70	156.7	1.27	284.4	0.140	31.3	0.17	38.1	0.70	156.7	15.5	3471			8.1	8.4	bewölkt	
16		21.00	53.8	193 680	3.7	8.5	0.04	7.70	16.1	3118	132.8	7	1355.8	0.53	102.6	0.10	19.4	0.008	1.55	0.70	135.6	1.23	238.2	0.110	21.3	0.11	21.3	1.45	280.8	12.8	2479			8.4	8.4	bewölkt	
17	2. 3. 61	01.00	48.4	174 240	3.7	8.5	0.03	5.20	16.4	2857	135.0	7	1219.7	0.63	109.8	0.16	27.9	0.008	1.39	0.60	104.5	1.23	214.3														

Untersuchung der Seezuflüsse

Bregenzer Ache

2. Untersuchung Juni 1961

Chem. Versuchsanstalt des Landes Vorarlberg

Bregenz, Montfortstraße 4

Datum	Tageszeit	Wasser- führung		Temperatur	Absetzbare Stoffe			Sauerstoff		BSB ₅	Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionische Detergenzien		Gesamt- Härte		Karbonat- Härte		Bemerkungen	
		m ³ /s	m ³ /h		pH	ml/l	m ³ /h	mg/l	kg/h		mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	°dH	°dH				
1	19. 6. 61	09.00	26.8	96 480	15.0	8.3	0.03	2.89	6.40	617.47	68.7	0	0	0.52	50.17	0	0	0.003	0.29	0.27	26.05	0.79	76.22	0.03	2.90	0.278	25.85	2.1	202.60	8.1	781.50			schön, heiß		
2		13.00	37.8	136 080	16.8	8.3	0.02	2.72	8.95	1217.90	99.5	1	136.08	0.62	84.37	0.20	27.21	0	0	0.20	27.21	0.82	111.58	0.04	5.44	0.04	5.44	0.6	81.64	6.8	925.34	0.4	54.40	9.0	8.4	schön, heiß
3		17.00	36.5	131 400	17.6	8.3	0.01	1.31	9.65	1268.00	109.2	2	262.80	0.58	76.21	0.12	15.77	0.004	0.52	0.62	81.47	1.20	157.68	0.05	6.57	0.12	15.77	2.1	275.94	5.2	683.28			8.4	7.7	schön, heiß
4		21.00	32.6	117 360	17.0	8.2	0.01	1.17	9.50	1114.90	106.2	1	117.36	0.62	72.76	0.12	14.08	0.003	0.35	0.62	72.76	1.24	145.53	0.02	2.34	0.06	7.04	0.8	93.88	6.8	798.05			8.4	7.8	bewölkt
5	20. 6. 61	01.00	37.8	136 080	16.4	8.3	0.01	1.36	8.55	1163.48	94.5	1	136.08	0.70	95.26	0.12	16.33	0.004	0.54	0.68	92.53	1.38	187.79	0.08	10.89	0.08	10.89	2.0	272.16	7.1	966.17			8.4	7.8	bewölkt
6		05.00	32.6	117 360	15.6	8.2	0.01	1.17	5.95	698.30	64.6	0	0	0.54	63.37	0.15	17.60	0.003	0.35	0.65	76.28	1.19	139.65	0.03	3.52	0.04	4.69	1.0	117.36	5.8	680.69			8.4	7.8	bewölkt
7		10.00	27.8	100 080	17.0	8.2	0.01	1.00	9.60	960.70	105.0	3	300.24	0.40	40.00	0.14	14.00	0.008	0.80	0.68	68.01	1.08	108.08	0.03	3.00	0.16	16.01	1.3	130.13	6.1	610.06			8.4	7.8	schön
8		14.00	37.8	136 080	17.5	8.2	0.02	2.72	9.85	1340.40	111.0	3	408.24	0.50	68.00	0.16	21.77	0.004	0.54	0.70	95.25	1.20	163.29	0.05	6.80	0.05	6.80	0.9	122.47	5.5	748.44			8.4	7.8	bewölkt
9		18.00	33.8	121 680	17.7	8.3	0.01	1.21	9.45	1149.80	106.9	2	243.36	0.54	65.71	0.10	12.17	0.007	0.85	0.68	82.74	1.22	148.44	0.05	6.08	0.06	7.30	0.2	24.33	6.4	778.75	0.6	73.00	7.8	7.6	bewölkt
10		22.00	31.4	113 040	16.5	8.2	0.02	2.26	9.60	1085.10	106.1	2	226.08	0.54	61.04	0.12	13.56	0.009	1.01	0.60	67.82	1.14	128.86	0.05	5.65	0.05	5.65	0.6	67.82	6.8	768.67			7.8	7.8	schön
11	21. 6. 61	02.00	32.6	117 360	15.7	8.0	0.02	2.34	9.35	1097.30	101.9	3	352.08	0.58	68.06	0.10	11.70	0.008	0.94	0.83	97.40	1.41	165.47	0.06	7.04	0.12	14.08	1.3	152.56	7.1	833.25			8.4	8.1	schön
12		06.00	30.2	108 720	14.6	8.2	0.01	0	9.25	1005.60	98.4	2	217.44	0.48	52.18	0.08	8.70	0.005	0.54	0.67	72.84	1.15	125.03	0.05	5.43	0.05	5.43	0.3	32.61	6.1	663.19			8.4	8.4	schön
13		11.00	32.6	117 360	16.3	8.4	0.03	3.52	9.50	1114.92	104.9	1	117.36	0.66	77.46	0.20	23.40	0.003	0.35	0.50	58.68	1.16	136.14	0.05	5.87	0.06	7.04	0.7	82.15	5.8	680.68			8.4	8.1	schön
14		15.00	35.1	126 360	16.9	8.4	0.01	1.26	8.65	1093.01	96.4	1	126.36	0.72	90.97	0.16	20.21	0.003	0.38	0.25	31.59	0.97	122.57	0.06	7.58	0.06	7.58	0.8	101.09	5.8	732.88			9.0	8.1	schön
15		19.00	30.2	108 720	17.8	8.4	0.03	3.26	9.30	1011.09	105.5	3	326.16	0.72	78.27	0.10	10.87	0.004	0.43	0.35	38.05	1.07	116.33	0.04	4.30	0.08	8.69	2.8	304.41	10.3	1119.81			8.4	7.6	schön
16		23.00	29.0	104 400	15.7	8.4	0.01	1.04	7.70	803.88	83.6	1	104.40	0.40	41.76	0.10	10.44	0	0	0.25	26.10	0.65	67.86	0.04	4.18	0.05	5.22	1.3	135.72	5.7	595.08	Spur	∅	8.4	7.8	schön
17	22. 6. 61	03.00	30.2	108 720	15.3	8.3	0.01	1.08	2.93	318.50	31.8	0	0	0.40	43.49	0.12	13.04	0	0	0.38	41.31	0.78	84.80	0.02	2.17	0.02	2.17	1.0	108.72	6.0	652.32			8.4	7.8	schön
18		07.00	35.8	128 880	15.0	8.1	0.02	2.57	8.00	1031.04	86.0	0	0	0.52	67.02	0.10	12.89	0	0	0.35	45.11	0.87	112.12	0.04	5.15	0.07	9.02	0.9	115.99	5.7	734.61	0.3	38.66	8.4	7.8	

Untersuchung der Seezuflüsse

Bregenzer Ache

3. Untersuchung November 1961

Chem. Versuchsanstalt des Landes Vorarlberg

Bregenz, Montfortstraße 4

Datum	Tageszeit	Wasserführung		Temperatur		Absetzbare Stoffe		Sauerstoff		Sättigung	BSB ₅		Kjeldahl-N		Ammonium-N		Nitrit-N		Nitrat-N		Gesamt-N		Anorganischer (Phosphat) P		Gesamt-P		Chlorid Cl		KMnO ₄ -Verbrauch		Anionaktive Detergentien		Gesamt-Härte °dH	Karbonat-Härte °dH	Bemerkungen	
		m³/s	m³/h	°C	pH	ml/l	m³/h	mg/l	kg/h	%	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h				
1	7.11.61	09.00	9.4	33.840	3.5	8.5	0	0	11.65	394.236	95.2	2	67.68	0.48	16.24	0	0	0.003	0.10	0.59	19.96	1.07	36.20	0.06	2.03	0.160	5.41	1.8	60.91	9.2	311.13	0.4	13.50	10.6	10.6	kalt
2		13.00	13.5	48.600	4.7	8.4	Spur	0	7.18	348.94	60.5	0	0	0.42	20.41	0.05	2.43	0.003	0.14	0.47	22.36	0.89	43.25	0.13	6.32	0.130	6.32	3.6	174.96	9.6	466.56	0.4	19.44	11.8	10.6	schön
3		17.00	18.1	65.160	4.0	8.3	Spur	0	7.60	495.22	63.0	0	0	0.80	52.12	0.05	3.26	0.005	0.32	0.30	19.55	1.10	71.68	0.06	3.91	0.150	9.77	2.7	175.93	9.6	625.54	0.4	26.60	10.6	10.6	schön
4		21.00	12.4	44.640	3.5	8.3	Spur	0	9.0	401.76	73.0	0	0	0.62	27.68	0	0	0.005	0.22	0.32	14.28	0.94	41.96	0.05	2.23	0.050	2.23	3.4	151.78	8.0	357.12	0.4	17.85	11.8	10.4	kalt
5	8.11.61	01.00	16.2	58.320	4.3	8.3	Spur	0	11.0	641.52	92.0	2	116.6	0.22	12.83	0	0	0.003	0.18	0.52	30.32	0.74	43.16	0.06	3.50	0.080	4.66	3.3	192.56	8.6	501.55	Spur	0	11.2	10.4	Frost
6		05.00	10.9	39.240	3.0	8.4	0.01	0.39	7.64	299.79	61.5	0	0	0.20	7.85	0.06	2.35	0.005	0.19	0.45	17.66	0.65	25.50	0.03	1.18	0.060	2.35	2.7	105.25	8.3	325.69	Spur	0	10.9	10.4	Schneefall, Regen
7		10.00	8.95	32.220	5.1	8.3	0.0	0	11.80	380.20	101.0	4	128.8	0.42	13.53	0.06	1.93	0.005	0.16	0.75	24.16	1.17	37.69	0.06	1.93	0.070	2.25	3.1	99.88	10.2	328.64	Spur	0	11.8	10.6	schön
8		14.00	13.5	48.600	4.8	8.0	0.01	0.49	11.45	556.47	97.0	3	145.8	0.33	16.04	0.09	4.38	0.003	0.14	0.60	29.16	0.93	45.20	0.06	2.92	0.080	3.88	2.5	121.50	8.6	417.96	Spur	0	10.9	10.1	Föhn
9		18.00	15.9	57.240	4.7	8.1	0.01	0.57	10.60	606.74	89.5	7	400.7	0.53	30.34	0.12	6.87	0.005	0.29	0.45	25.76	0.98	56.09	0.06	3.43	0.060	3.43	2.5	143.10	8.6	492.26	Spur	0	13.4	10.6	Föhn
10		22.00	14.2	51.120	4.8	8.2	Spur	0	11.65	595.50	99.0	5	255.6	0.32	16.36	0.04	2.04	0	0	0.45	23.00	0.77	39.36	0.04	2.04	0.050	2.55	3.4	173.81	10.3	526.53	Spur	0	11.2	10.6	bewölkt
11	9.11.61	02.00	20.4	73.440	4.6	8.3	0.02	1.47	11.70	859.24	98.5	2	146.8	0.38	27.90	0.08	5.87	0	0	0.40	29.38	0.78	57.28	0.05	3.67	0.060	4.40	2.7	198.29	7.6	558.14	0.3	22.00	11.2	10.6	leichter Regen
12		06.00	13.5	48.600	5.0	8.2	Spur	0	11.65	566.20	99.0	3	145.8	0.38	18.47	0.08	3.89	0	0	0.43	20.90	0.81	39.37	0.04	1.94	0.040	1.94	2.9	140.94	7.6	369.36	0.3	14.60	11.5	10.6	Regen mit Schnee
13		11.00	15.5	55.800	6.0	8.1	0	0	8.25	460.40	72.0	1	55.8	0.68	37.94	0.10	5.58	0	0	0.58	32.36	1.26	70.31	0.04	3.90	0.170	9.48	2.4	133.92	9.2	513.36	0.3	16.70	11.2	10.1	bewölkt
14		15.00	24.4	87.840	6.2	8.1	0	0	10.35	909.10	91.0	2	176.0	0.72	63.24	0.06	5.27	0.004	0.35	0.47	41.28	1.19	104.53	0.07	6.15	0.100	8.78	2.8	245.95	10.2	895.97	0.3	23.60	10.4	9.5	bewölkt
15		19.00	29.5	106.200	6.3	7.8	0.04	4.25	6.05	642.50	53.3	1	106.2	0.90	95.58	0.10	10.62	0.005	0.53	0.52	55.22	1.42	150.80	0.04	4.25	0.050	5.31	3.4	361.08	12.4	1316.88	0.3	31.80	10.6	10.1	bewölkt
16		23.00	33.8	121.680	6.2	7.9	0.04	4.87	3.80	462.40	33.4	0	0	0.85	103.43	0.05	6.08	0.004	0.49	0.58	70.57	1.43	174.00	0.06	7.30	0.170	20.68	2.5	304.20	12.1	1472.33	0.3	36.50	10.6	10.1	starker Regen
17	10.11.61	03.00	62.2	223.920	6.0	8.1	0.9	201.53	4.70	1052.40	41.0	4	895.7	0.68	152.26	0.15	33.59	0.004	0.89	0.99	221.68	1.67	373.95	0.08	17.91	0.170	38.07	2.9	649.37	47.1	10546.6	0.6	134.30	10.1	9.5	windig, Regen
18		07.00	197.0	709.200	5.8	8.2	3.0	2128.00	3.85	2730.40	33.4	3	2127.6	3.12	2212.70	0.10	70.92	0.005	3.55	0.86	609.91	3.98	2822.60	0.12	85.10	0.970	687.90	3.4	2411.30	76.6	54324.7	0.6	425.50	7.8	7.8	Hochwasser, Regen
19		12.00	112.0	403.200	7.1	8.2	0.8	322.50	11.15	4495.70	100.5	13	5241.6	1.62	653.18	0.24	96.77	0.012	4.84	0.62	249.98	2.24	903.17	0.08	32.25	0.240	96.72	3.1	1249.92	45.9	18506.9	0.6	241.90	8.4	7.3	schön
20		16.00	80.3	289.080	7.2</																															

Untersuchung der Seezuflüsse

Probeentnahmestelle:
Alter Rhein
Brücke Rheineck-Gaissau

Untersuchendes Institut
Kantonales Laboratorium
St. Gallen

Datum	Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe		Sauerstoff		Sättigung %	BSB ₅		Kjeldahl- N 1		Ammonium- N 2		Nitrit- N 3		Nitrat- N 4		Gesamt- N 1+4		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionaktive Detergentien		Gesamt- Härte °dH	Karbonat- Härte °dH	Bemerkungen		
		m³/s	m³/h		pH	ml/l	m³/h	mg/l		kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l				kg/h	
1	27. 2. 61	07.30	9.13	32 900	8.4	7.75	<0.1	<3	9.5	313	88	3.2	105	0.60	19.7	0.26	8.6	0.002	0.06	0.61	20.1	1.21	39.8	0.030	0.99	0.068	2.24	1.5	49	10.3	339			13.3	10.4	
2		11.30	8.82	31 800	7.9	7.7	<0.1	<3	9.4	299	86	2.8	89	0.45	14.3	0.27	8.6	0.006	0.19	0.52	16.5	0.98	31.2	0.020	0.64	0.130	4.13	1.4	45	9.8	312			12.7	10.2	
3		15.30	8.82	31 800	7.6	7.75	<0.1	<3	9.8	312	89	3.2	102	0.61	19.4	0.27	8.6	0.016	0.51	0.56	17.8	1.19	37.8	0.066	2.10	0.144	4.58	3.4	108	12.5	398			12.2	10.6	
4		19.30	9.13	32 900	8.8	7.8	<0.1	<3	10.6	349	99	2.8	92	0.69	22.7	0.36	11.8	0.009	0.30	0.56	18.4	1.26	41.5	0.050	1.64	0.108	3.55	2.2	72	12.5	411			12.3	10.5	
5		23.30	9.69	34 900	8.5	7.9	<0.1	<3	10.0	349	93	3.8	133	0.91	31.8	0.35	12.2	0.008	0.28	0.52	18.1	1.44	50.3	0.046	1.61	0.108	3.77	2.3	80	13.3	464	<0.1	<3	12.3	10.4	
6	28. 2. 61	04.30	10.50	37 800	8.1	7.7	<0.1	<4	8.9	336	82	3.2	121	0.69	26.1	0.29	11.0	0.012	0.45	0.56	21.2	1.26	47.6	0.038	1.44	0.108	4.08	3.6	136	14.6	552			12.2	10.2	
7		08.30	10.40	37 400	8.1	7.7	<0.1	<4	8.3	310	77	5.1	191	0.59	22.1	0.21	7.9	0.009	0.34	0.54	20.2	1.14	42.6	0.038	1.42	0.120	4.49	5.7	213	14.4	539			12.0	10.2	
8		12.30	10.40	37 400	7.5	7.9	<0.1	<4	8.8	329	80	2.8	105	0.52	19.4	0.20	7.5	0.007	0.26	0.56	20.9	1.09	40.8	0.020	0.75	0.060	2.24	2.9	108	14.1	527			11.3	10.4	
9		16.30	10.90	39 200	7.0	7.75	<0.1	<4	9.7	380	87	2.4	94	0.51	20.0	0.22	8.6	0.007	0.27	0.56	22.0	1.08	42.3	0.026	1.07	0.066	2.59	2.4	94	12.5	490			11.6	10.2	
10		20.30	12.20	43 900	7.2	7.8	<0.1	<4	10.0	439	90	3.4	149	0.65	28.5	0.34	14.9	0.007	0.31	0.56	24.6	1.22	53.6	0.028	1.23	0.080	3.51	2.5	110	13.6	597	<0.1	<4	11.9	10.1	
11	1. 3. 61	00.30	13.50	48 600	7.0	7.9	<.01	<5	9.5	462	85	4.4	214	0.74	36.0	0.35	17.0	0.011	0.53	0.62	30.1	1.37	66.6	0.056	2.72	0.132	6.42	2.2	107	14.8	719			11.9	10.1	
12		05.30	12.30	44 300	6.0	7.95	<0.1	<4	9.6	425	84	3.2	142	0.65	28.8	0.26	11.5	0.009	0.40	0.76	33.7	1.42	62.9	0.070	3.10	0.098	4.34	2.3	102	13.8	611			11.6	10.1	
13		09.30	11.40	41 000	6.5	7.85	<0.1	<4	9.4	385	83	3.7	152	0.57	23.4	0.18	7.4	0.007	0.29	0.56	23.0	1.14	46.7	0.042	1.72	0.072	2.95	3.5	144	13.8	567			11.0	9.5	
14		13.30	11.70	42 100	6.5	7.9	<0.1	<4	9.4	396	83	4.2	177	0.58	24.4	0.22	9.3	0.004	0.17	0.56	23.6	1.14	48.0	0.058	2.44	0.076	3.20	2.5	105	15.3	644			11.2	9.8	
15		17.30	12.50	45 000	7.5	7.8	<0.1	<4	10.1	454	93	2.9	130	0.63	28.4	0.36	16.2	0.010	0.45	0.60	27.0	1.24	55.8	0.050	2.25	0.072	3.24	2.7	122	13.1	590			11.5	9.9	
16		21.30	11.70	42 100	6.9	7.8	<0.1	<4	10.4	438	93	4.5	189	0.88	37.0	0.30	12.6	0.007	0.29	0.60	25.3	1.49	62.7	0.046	1.94	0.098	4.13	2.4	101	16.1	678	<0.1	<4	11.8	10.1	
17	2. 3. 61	01.30	11.10	40 000	7.0	7.7	<0.1	<4	9.6	384	86	7.0	280	0.78	31.2	0.30	12.0	0.011	0.44	0.64	25.6	1.43	57.2	0.042	1.68	0.120	4.80	4.3	172	17.7	708			11.6	10.1	
18		06.30	12.40	44 600	6.0	7.8	<0.1	<4	9.4	419	82	5.3	236	0.64	28.5	0.21	9.4	0.007	0.31	0.56	25.0	1.21	54.0	0.040	1.78	0.062	2.77	4.4	196	13.1	584			12.4	10.2	
19		10.30	9.59	34 500	6.0	7.85	<0.1	<3	9.3	321	81	4.6	159	0.55	19.0	0.21	7.2	0.005	0.17	0.60	20.7	1.15	39.7	0.044	1.52	0.054	1.86	3.3	114	12.2	421			12.0	10.4	
20		14.30	9.59	34 500	7.0	7.8	<0.1	<3	9.7	335	87	5.3	183	0.57	19.7	0.17	5.9	0.004	0.14	0.49	16.9	1.06	36.6	0.030	1.04	0.126	4.35	3.6	124	13.9	480			12.0	10.4	
21		18.30	9.69	34 900	7.5	7.9	<0.1	<3	11.2	391	101	3.7	129	0.54	18.8	0.21	7.3	0.007	0.24	0.54	18.8	1.09	38.0	0.058	2.02	0.087	3.04	3.0	105	12.8	447			12.9	10.6	
22		22.30	9.59	34 500	7.2	7.75	<0.1	<3	10.6	366	96	4.9	169	0.61	21.0	0.24	8.3	0.007	0.24	0.51	17.6	1.13	39.0	0.038	1.31	0.072	2.48	4.2	145	15.2	524	<0.1	<4	12.2	10.5	
23	3. 3. 61	03.30	9.28	33 400	7.1	7.7	<0.1	<3	9.6	321	86	3.6	120	0.55	18.4	0.19	6.3	0.009	0.30	0.57	19.0	1.13	37.7	0.030	1.00	0.082	2.74	6.2	207	17.7	591			13.0	10.2	
24		07.30	9.13	32 900	7.5	7.8	<0.1	<3	9.0	296	81	4.3	141	0.62	20.4	0.16	5.3	0.009	0.30	0.52	17.1	1.15	37.8	0.032	1.05	0.068	2.24	5.5	181	13.6	447			12.3	10.2	
25		11.30	10.40	37 400	7.0	7.8	<0.1	<4	8.8	329	79	4.2	157	0.69	25.8	0.28	10.5	0.007	0.26	0.61	22.8	1.31	49.0	0.040	1.50	0.082	3.07	3.4	127	12.8	479			13.4	10.2	
26		15.30	15.10	54 400	6.5	7.8	<0.1	<5	9.3	506	82	3.9	212	0.76	41.3	0.33	18.0	0.008	0.44	0.64	34.8															

Untersuchung der Seezuflüsse

	Datum	Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe		Sauerstoff		Sättigung %	BSB ₅		Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionaktive Detergentien		Gesamt- Härte °dH	Karbonat- Härte °dH	Bemerkungen	
			m³/s	m³/h		pH	ml/l	m³/h	mg/l		kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l				kg/h
1	26. 6. 61	07.30	16.4	59 000	12.1	7.90	<0.1	<6	8.1	478	82	1.8	106	0.42	24.8	0.14	8.3	0.0006	0.35	0.55	32.4	0.97	57.2	0.020	1.18	0.050	2.95	1.5	88	6.8	401			11.6	9.0	
2		11.30	16.4	59 000	13.1	7.95	<0.1	<6	9.9	584	102	2.8	165	0.39	23.0	0.20	11.8	0.005	0.30	0.53	31.3	0.92	54.3	0.014	0.83	0.049	2.89	1.5	88	6.3	372			10.8	9.0	
3		15.30	16.6	59 800	15.0	8.15	<0.1	<6	11.6	694	125	2.5	150	0.41	24.5	0.17	10.2	0.007	0.42	0.51	30.5	0.92	55.0	0.020	1.20	0.068	4.07	2.8	167	7.3	437			10.8	9.0	
4		19.30	18.1	65 200	15.6	8.10	<0.1	<7	10.1	659	110	4.0	261	0.44	28.7	0.15	9.8	0.007	0.46	0.36	23.5	0.80	52.2	0.039	2.54	0.069	4.50	2.4	156	10.0	652			10.5	8.5	
5		23.30	28.2	102 000	18.6	7.90	7.0	710	7.2	734	83	5.0	510	4.28	43.7	0.32	32.6	0.009	0.92	0.52	53.0	4.80	490.0	0.036	3.67	0.104	10.60	2.7	275	126.0	12850	<0.1	<10	8.8	7.4	
6	27. 6. 61	04.30	21.1	76 000	14.0	7.90	0.8	61	7.3	555	77	2.3	175	1.00	76.0	0.29	22.0	0.009	0.68	0.55	41.8	1.55	118.0	0.050	3.80	0.146	11.10	2.0	152	31.0	2360			10.8	8.7	
7		08.30	19.6	70 600	13.0	7.70	<0.1	<7	7.4	522	76	2.8	198	0.60	42.4	0.16	11.3	0.006	0.42	0.55	38.8	1.15	81.2	0.044	3.11	0.096	6.78	1.8	127	12.8	904			10.8	8.7	
8		12.30	19.2	69 100	13.2	7.95	<0.1	<7	9.1	629	94	1.9	131	0.52	35.9	0.14	9.7	0.007	0.48	0.53	36.6	1.05	72.6	0.028	1.93	0.056	3.87	2.0	138	9.2	636			11.1	9.2	
9		16.30	27.7	99 700	14.4	7.90	0.6	60	8.3	828	88	5.6	558	1.42	142.0	0.36	35.9	0.012	1.20	0.60	59.8	2.02	201.0	0.056	5.85	0.252	25.10	1.9	189	30.0	2990			10.4	8.7	
10		20.30	28.6	103 000	14.6	7.95	0.2	21	8.0	824	85	3.6	371	1.00	103.0	0.19	19.6	0.011	1.13	0.76	78.3	1.76	181.0	0.045	4.64	0.160	16.50	2.0	206	22.8	2350	0.13	13	10.4	9.0	
11	28. 6. 61	00.30	26.9	96 800	13.0	7.80	0.2	19	7.8	755	80	3.1	300	0.82	79.4	0.19	18.4	0.009	0.87	0.60	58.1	1.42	137.0	0.034	3.29	0.098	9.49	1.8	174	19.0	1840			10.9	9.4	
12		05.30	27.3	98 300	12.6	7.80	0.1	10	7.9	777	80	2.7	265	0.78	76.7	0.14	13.8	0.005	0.49	0.58	57.0	1.36	134.0	0.022	2.16	0.080	7.86	1.9	187	17.7	1740			11.2	9.7	
13		09.30	25.1	90 400	12.0	7.85	<0.1	<9	8.0	723	81	3.4	307	0.65	58.8	0.18	16.3	0.005	0.45	0.60	54.2	1.25	113.0	0.028	2.08	0.112	10.10	1.6	145	15.7	1420			11.5	9.7	
14		13.30	23.4	84 200	13.0	7.90	0.1	8.4	9.0	758	93	1.5	126	0.63	53.0	0.15	12.6	0.006	0.51	0.59	49.7	1.22	103.0	0.010	0.84	0.090	7.58	1.2	101	14.7	1240			11.3	9.9	
15		17.30	21.7	78 100	14.8	7.95	<0.1	<8	10.5	820	112	2.7	211	0.60	46.9	0.10	7.8	0.012	0.94	0.56	43.7	1.16	90.6	0.027	2.11	0.086	6.72	1.5	117	13.9	1090			11.3	9.9	
16		21.30	20.9	75 200	14.2	8.10	0.1	7.5	9.7	729	102	3.0	226	0.52	39.1	0.16	12.0	0.009	0.68	0.51	38.4	1.03	77.5	0.027	2.03	0.078	5.87	1.6	120	13.3	1000	<0.1	<8	11.2	9.7	
17	29. 6. 61	01.30	20.4	73 400	13.0	8.00	<0.1	<7	8.4	617	86	2.8	206	0.44	32.3	0.17	12.5	0.007	0.51	0.50	36.7	0.94	69.0	0.027	1.98	0.078	5.73	1.7	125	12.0	881			11.5	9.7	
18		06.30	20.0	72 000	11.6	7.80	<0.1	<7	7.8	562	78	2.9	209	0.39	28.1	0.17	12.2	0.012	0.86	0.56	40.3	0.95	68.4	0.022	1.58	0.072	5.18	2.0	144	10.8	778			11.5	9.8	
19		10.30	19.4	69 800	11.8	7.90	<0.1	<	9.6	670	96	2.9	202	0.31	21.6	0.09	6.3	0.004	0.28	0.51	35.6	0.82	57.2	0.021	1.47	0.098	6.84	1.8	126	17.1	1190			11.2	9.5	
20		14.30	19.0	68 400	13.8	8.05	<0.1	<7	11.2	766	117	3.8	260	0.40	27.4	0.20	13.7	0.005	0.34	0.49	33.5	0.89	60.9	0.032	2.19	0.058	3.97	1.3	89	10.4	711			11.3	9.4	
21		18.30	18.4	66 200	15.2	8.05	<0.1	<7	11.2	741	121	2.6	172	0.31	20.5	0.13	8.6	0.008	0.53	0.49	32.4	0.80	53.0	0.031	2.05	0.058	3.84	2.2	146	9.2	609			11.1	9.2	
22		22.30	18.1	65 200	14.8	8.05	<0.1	<7	9.4	613	101	2.8	183	0.30	19.6	0.14	9.1	0.008	0.52	0.48	31.3	0.78	50.9	0.028	1.83	0.070	4.56	1.8	117	9.2	600	<0.1	<7	10.9	9.4	
23	30. 6. 61	03.30	17.8	64 100	13.2	8.00	<0.1	<6	7.8	500	81	2.2	141	0.57	36.5	0.12	7.7	0.005	0.32	0.47	30.1	1.04	66.7	0.025	1.60	0.062	3.97	2.1	135	7.9	506			11.2	9.1	
24		07.30	17.6	63 400	12.0	7.65	<0.1	<6	7.8	495	79	2.6	165	0.41	26.0	0.10	6.3	0.005	0.32	0.49	31.1	0.90	57.1	0.020	1.27	0.082	5.20	1.7	108	7.9	501			11.2	9.2	
25		11.30	17.6	63 400	12.4	7.85	<0.1	<6	9.8	621	100	2.8	178	0.29	18.4	0.17	10.8	0.005	0.32	0.48	30.4	0.77	48.8	0.020	1.27	0.046	2.92	2.7	171	7.6	482					

Untersuchung der Seezuflüsse

Probeentnahmestelle:
Alter Rhein
Zollbrücke St. Margrethen-Höchst

Untersuchendes Institut
Kantonales Laboratorium
St. Gallen

	Datum	Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe		Sauerstoff		BSB ₅	Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionaktive Detergentien		Gesamt- Härte °dH	Karbonat- Härte °dH	Bemerkungen			
			m³/s	m³/h		pH	ml/l	m³/h	mg/l		kg/h	%	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h				mg/l	kg/h	mg/l
1	23. 10. 61	07.30	1.38	4970	8.7	7.80	<0.1	<0.5	5.4	27	50	1.8	9	1.02	5.1	0.41	2.0	0.022	0.11	0.56	2.7	1.59	7.9	0.142	0.71	0.192	0.95	2.9	14	12.5	62		15.7	12.9		
2		11.30	1.53	5510	9.0	7.75	<0.1	<0.6	6.2	34	58	1.8	10	1.26	6.9	0.38	2.1	0.023	0.13	0.54	3.0	1.82	10.0	0.112	0.62	0.195	1.07	4.4	24	11.8	65		14.7	12.7		
3		15.30	1.53	5510	9.2	7.80	<0.1	<0.6	7.5	41	71	1.6	9	1.12	6.2	0.81	4.5	0.023	0.13	0.55	3.0	1.69	9.3	0.104	0.57	0.160	0.88	6.0	33	10.0	55		14.8	13.0		
4		19.30	1.57	5650	9.6	7.90	<0.1	<0.6	6.8	38	65	4.0	23	1.54	8.7	0.85	4.8	0.024	0.14	0.58	3.3	2.14	12.1	0.136	0.77	0.212	1.20	3.4	19	15.8	89		15.1	13.0		
5		23.30	1.57	5650	10.2	8.00	<0.1	<0.6	5.1	29	49	4.0	23	1.26	7.1	1.05	5.9	0.032	0.18	0.53	3.0	1.82	10.3	0.168	0.95	0.234	1.32	5.4	31	16.9	95	0.1	0.5	15.1	12.9	
6	24. 10. 61	04.30	1.60	5760	10.4	8.00	<0.1	<0.6	6.2	36	60	4.9	28	1.92	11.1	1.31	7.5	0.088	0.51	0.39	2.2	2.40	13.8	0.268	1.54	0.392	2.26	3.3	19	26.2	151		15.0	12.9		
7		08.30	1.57	5650	10.4	7.70	<0.1	<0.6	2.5	14	24	7.5	42	1.32	7.5	1.02	5.8	0.039	0.22	0.45	2.5	1.81	10.2	0.199	1.12	0.296	1.67	4.9	28	25.3	143		14.6	12.6		
8		12.30	1.53	5510	10.8	7.50	<0.1	<0.6	2.7	15	26	4.4	24	0.92	5.1	0.77	4.2	0.035	0.19	0.45	2.5	1.41	7.8	0.144	0.79	0.192	1.06	6.5	36	19.6	108		14.6	12.2		
9		16.30	1.53	5510	11.4	7.65	<0.1	<0.6	3.5	19	35	4.4	24	0.66	3.6	0.57	3.1	0.037	0.20	0.41	2.3	1.11	6.1	0.127	0.70	0.208	1.15	2.6	14	17.4	96		14.7	12.3		
10		20.30	1.57	5650	10.7	7.80	<0.1	<0.6	3.5	20	34	4.6	26	0.88	5.0	0.54	3.1	0.031	0.18	0.40	2.3	1.31	7.4	0.127	0.72	0.214	1.21	3.3	19	18.3	103	<0.1	<0.6	14.8	12.3	
11	25. 10. 61	00.30	1.60	5760	11.0	7.80	<0.1	<0.6	2.5	14	25	7.0	40	1.08	6.2	0.65	3.7	0.049	0.28	0.37	2.1	1.50	8.6	0.152	0.88	0.272	1.57	3.7	21	24.0	138		15.0	12.6		
12		05.30	1.60	5760	11.0	7.65	<0.1	<0.6	0.5	3	5	7.3	42	1.64	9.4	0.85	4.9	0.111	0.64	0.22	1.3	1.97	11.3	0.202	1.16	0.331	1.91	12.3	71	25.2	145		14.8	13.0		
13		09.30	1.60	5760	11.0	7.50	<0.1	<0.6	0.6	3	6	5.1	29	1.42	8.2	0.73	4.2	0.121	0.70	0.25	1.4	1.79	10.3	0.176	1.01	0.280	1.61	8.9	51	20.8	120		14.7	12.5		
14		13.30	1.60	5760	11.2	7.45	<0.1	<0.6	2.1	12	21	3.1	18	1.06	6.1	0.65	3.7	0.082	0.47	0.30	1.7	1.61	9.3	0.202	1.16	0.231	1.33	7.5	43	17.8	103		14.4	12.3		
15		17.30	1.60	5760	11.2	7.40	<0.1	<0.6	2.0	12	20	2.5	14	1.20	6.9	0.61	3.5	0.084	0.48	0.30	1.7	1.58	9.1	0.112	0.66	0.201	1.16	5.0	29	15.5	89		15.8	12.0		
16		21.30	1.57	5650	11.5	7.60	<0.1	<0.6	1.2	7	12	5.1	29	1.54	8.7	0.78	4.4	0.057	0.32	0.32	1.8	1.92	10.8	0.104	0.59	0.250	1.41	6.9	39	20.6	116	0.1	0.6	15.0	11.9	
17	26. 10. 61	01.30	1.57	5650	10.5	7.50	<0.1	<0.6	1.0	6	10	5.0	28	1.60	9.0	0.85	4.8	0.059	0.33	0.28	1.6	1.94	11.0	0.117	0.66	0.214	1.21	7.7	44	20.8	118		14.8	12.2		
18		06.30	1.60	5760	11.2	7.50	<0.1	<0.6	0.7	4	7	3.5	20	1.44	8.3	0.87	5.0	0.072	0.41	0.25	1.4	1.76	10.1	0.152	0.88	0.250	1.44	8.1	47	26.2	151		14.6	12.7		
19		10.30	1.60	5760	11.4	7.50	<0.1	<0.6	1.3	7	13	3.4	20	1.62	9.3	0.80	4.6	0.072	0.41	0.24	1.4	1.93	11.1	0.181	1.04	0.237	1.57	8.0	46	17.7	102		14.6	12.6		
20		14.30	1.60	5760	11.6	7.45	<0.1	<0.6	2.2	13	22	3.4	20	0.78	4.5	0.69	4.0	0.078	0.45	0.28	1.6	1.14	6.6	0.144	0.83	0.214	1.23	5.9	34	17.7	102		14.7	12.3		
21		18.30	1.60	5760	11.6	7.30	<0.1	<0.6	1.4	8	14	3.3	19	1.04	6.0	0.72	4.1	0.054	0.31	0.30	1.7	1.39	8.0	0.114	0.66	0.232	1.34	6.4	37	19.0	109		14.8	12.5		
22		22.30	1.60	5760	12.0	7.60	<0.1	<0.6	1.1	6	11	1.8	10	1.08	6.2	0.90	5.2	0.054	0.31	0.25	1.4	1.38	7.9	0.122	0.70	0.208	1.20	9.3	54	20.6	119	<0.1	<0.6	15.4	12.6	
23	27. 10. 61	03.30	1.60	5760	12.2	7.70	<0.1	<0.6	0.9	5	9	3.7	21	1.00	5.8	0.80	4.6	0.062	0.36	0.23	1.3	1.29	7.4	0.173	1.00	0.288	1.66	5.9	34	22.4	129		14.7	12.6		
24		07.30	1.64	5900	11.8	7.50	<0.1	<0.6	0.6	4	6	5.8	34	1.60	9.4	0.78	4.6	0.110	0.65	0.13	0.8	1.84	10.9	0.214	1.26	0.292	1.72	10.2	60	21.2	125		14.8	12.5		
25		11.30	1.60	5760	12.2	7.40	<0.1	<0.6	1.2	7	12	3.7	21	1.56	9.0	0.81	4.7	0.098	0.56	0.11	0.6	1.77	10.2	0.144	0.83	0.260	1.50	8.1	47	18.3	105		14.8	11.3		
26		15.30	1.60	5760	12.4	7.30	<0.1	<0.6	1.3	7	13	4.4	25	1.42	8.2	0.21	1.2	0.090	0.52	0.11	0.6	1.62	9.3	0.128	0.74	0.232	1.34	8.6	50	19.6	113		14.7	11.9		
27		19.30	1.57	5650	12.5	7.30	<0.1	<0.6	0.6																											

Untersuchung der Seezuflüsse

	Datum	Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe		Sauerstoff		BSB ₅	Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionische Detergentien		Gesamt- Härte °dH	Karbonat- Härte °dH	Bemerkungen			
			m³/s	m³/h		ml/l	m³/h	mg/l	kg/h		mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h						
1	27. 2. 61	07.00	0.998	3590	4.5	8.20	<0.1	<0.4	12.8	46.0	108	4.1	14.7	0.42	1.51	0.07	0.25	0.002	0.007	1.08	3.88	1.50	5.38	0.088	0.316	0.110	0.395	2.1	7.5	8.1	29.1		12.9	12.0		
2		11.00	0.890	3200	5.1	8.35	<0.1	<0.3	13.4	42.9	114	6.8	21.8	0.78	2.50	0.36	1.15	0.005	0.016	1.00	3.20	1.78	5.70	0.592	1.890	0.608	1.950	4.2	13.4	18.5	59.2		12.9	12.2		
3		15.00	0.890	3200	8.0	8.45	<0.1	<0.3	12.5	40.0	115	6.4	20.5	1.04	3.33	0.44	1.41	0.004	0.013	0.92	2.94	1.96	6.27	0.330	1.060	0.372	1.190	3.6	11.5	15.0	48.0		12.5	12.3		
4		19.00	0.942	3390	7.5	8.40	<0.1	<0.3	11.9	40.3	108	8.9	30.2	1.70	5.76	0.87	2.95	0.010	0.039	1.10	3.73	2.80	9.49	0.276	0.935	0.388	1.320	3.4	11.5	22.7	77.0		12.9	12.6		
5		23.00	1.119	4028	6.4	8.20	<0.1	<0.4	11.9	47.9	105	3.2	12.9	0.67	2.70	0.18	0.73	0.012	0.048	1.00	4.03	1.67	6.73	0.152	0.612	0.228	0.918	3.0	12.1	9.8	39.5	<0.1	<0.3	12.2	11.8	
6	28. 2. 61	04.00	1.102	3967	5.3	8.10	<0.1	<0.4	12.2	48.4	105	1.8	7.1	0.55	2.18	0.15	0.60	0.008	0.032	1.00	3.97	1.55	6.15	0.112	0.444	0.162	0.643	2.2	8.7	11.8	46.8		12.2	11.6		
7		08.00	1.039	3740	5.1	8.20	<0.1	<0.4	12.3	46.0	105	2.6	9.7	0.41	1.53	0.05	0.19	0.005	0.033	1.00	3.74	1.41	5.27	0.092	0.344	0.138	0.516	2.7	10.1	7.4	27.7		12.3	11.6		
8		12.00	0.981	3530	6.5	8.45	<0.1	<0.4	12.6	44.5	112	4.3	15.2	0.66	2.33	0.27	0.95	0.005	0.018	0.86	3.04	1.52	5.37	0.170	0.600	0.234	0.826	5.5	19.4	20.4	72.0		12.5	12.0		
9		16.00	1.039	3740	6.8	8.55	<0.1	<0.4	12.4	46.4	111	3.2	12.0	1.07	4.00	0.22	0.82	0.005	0.019	0.86	3.22	1.93	7.22	0.142	0.531	0.364	1.360	4.9	18.3	13.1	49.0		12.9	11.8		
10		20.00	1.791	6448	6.2	8.10	0.1	0.6	12.1	78.0	106	5.7	36.8	0.86	5.55	0.18	1.16	0.010	0.064	0.94	6.06	1.80	11.61	0.154	0.993	0.400	2.580	2.6	16.8	16.7	108.0	<0.1	<0.5	12.2	11.6	
11	1. 3. 61	00.00	1.318	4745	5.0	8.20	<0.1	<0.5	12.3	58.4	105	3.9	18.5	0.56	2.66	0.14	0.66	0.010	0.047	0.98	4.65	1.54	7.31	0.120	0.569	0.206	0.977	2.9	13.8	13.1	62.2		11.8	10.9		
12		05.00	1.241	4468	4.4	8.30	<0.1	<0.4	12.6	56.3	106	3.2	14.3	0.47	2.10	0.10	0.45	0.007	0.031	1.08	4.83	1.55	6.93	0.092	0.411	0.138	0.617	2.0	8.9	8.7	38.9		11.8	10.9		
13		09.00	0.823	2960	4.4	8.90	<0.1	<0.3	12.9	38.2	108	4.8	14.2	0.93	2.75	0.49	1.45	0.007	0.021	0.98	2.90	1.91	5.65	0.094	0.276	0.304	0.900	4.0	11.8	11.4	33.7		11.8	11.6		
14		13.00	1.401	5044	5.4	8.35	<0.2	<1.0	12.8	64.6	110	8.1	40.9	1.42	7.16	0.19	0.96	0.016	0.081	0.92	4.64	2.34	11.80	0.210	1.060	0.284	1.430	3.3	16.6	26.4	133.0		12.6	11.5		
15		17.00	1.241	4468	5.5	8.40	<0.1	<0.4	12.4	55.8	108	6.5	29.0	1.17	5.23	0.22	0.98	0.012	0.054	0.94	4.20	2.11	9.43	0.124	0.554	0.332	1.480	2.6	11.6	20.6	92.0		12.5	11.9		
16		21.00	1.039	3740	4.8	8.30	<0.1	<0.4	12.6	47.1	107	3.1	11.6	0.83	3.10	0.18	0.67	0.010	0.037	1.00	3.74	1.83	6.84	0.110	0.411	0.142	0.531	2.9	10.8	13.0	48.6	<0.1	<0.4	12.3	11.8	
17	2. 3. 61	02.00	0.928	3340	4.0	8.30	<0.1	<0.3	12.8	42.8	106	3.2	10.7	0.70	2.34	0.08	0.27	0.009	0.030	1.06	3.54	1.76	5.88	0.100	0.334	0.182	0.608	4.7	15.7	12.6	42.1		12.6	11.9		
18		06.00	0.925	3330	3.2	8.25	<0.1	<0.3	13.0	43.3	106	3.6	12.0	0.44	1.47	0.04	0.13	0.007	0.023	1.10	3.66	1.54	5.13	0.090	0.300	0.154	0.513	6.4	21.3	9.0	30.0		12.9	12.2		
19		10.00	0.925	3330	3.2	8.35	<0.1	<0.3	13.7	45.6	111	5.4	18.0	0.62	2.06	0.14	0.47	0.006	0.020	1.04	3.46	1.														

Untersuchung der Seezuflüsse

Probeentnahmestelle:

Goldach

Pegelstation Bleichl

Untersuchendes Institut

Kantonales Laboratorium

St. Gallen

Datum	Tageszeit	Wasser-führung		Temperatur	Absetzbare Stoffe			Sauerstoff			BSB ₅		Kjeldahl-N		Ammonium-N		Nitrit-N		Nitrat-N		Gesamt-N		Anorganischer (Phosphat) P		Gesamt-P		Chlorid Cl		KMnO ₄ -Verbrauch		Anionaktive Detergentien	Gesamt-Härte °dH	Karbonat-Härte °dH	Bemerkungen		
		m³/s	m³/h	°C	pH	ml/l	m³/h	mg/l	kg/h	%	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h		
1	26. 6. 61	07.00	0.55	1 980	17.9	8.50	<0.1	<0.2	11.8	23.4	134	3.1	6.1	0.60	1.19	0.02	0.04	0.025	0.050	0.82	1.62	1.44	2.85	0.099	0.196	0.116	0.230	4.6	9.1	10.4	20.6			13.3	12.6	
2		11.00	0.49	1 760	22.4	9.00	<0.1	<0.2	15.8	27.8	196	3.3	5.8	0.67	1.18	0.02	0.04	0.020	0.035	0.61	1.07	1.30	2.29	0.090	0.158	0.130	0.229	4.3	7.6	12.3	21.6			11.6	10.9	
3		15.00	0.49	1 760	25.7	9.30	<0.1	<0.2	15.2	26.8	199	8.9	15.7	0.85	1.50	0.10	0.18	0.039	0.069	0.88	1.55	1.77	3.12	0.122	0.215	0.188	0.331	11.4	20.1	21.2	37.3			12.3	11.3	
4		19.00	2.08	7 490	19.5	8.30	0.4	3.0	7.5	56.2	88	37.0	277.0	2.68	20.10	0.96	7.19	0.067	0.502	1.06	7.94	3.81	28.50	0.308	2.307	0.576	4.314	4.2	31.5	51.0	382.0			9.8	8.5	
5		23.00	3.36	12 100	17.0	8.30	1.5	18.0	8.7	105.0	97	22.0	266.0	3.10	37.5	0.32	3.87	0.058	0.702	1.18	14.30	4.34	52.50	0.308	3.727	0.840	10.160	6.3	76.2	86.0	1040.0	0.26	1.30	9.4	8.3	
6	27. 6. 61	04.00	1.65	5 940	16.0	8.45	0.4	2.4	9.4	55.8	103	7.0	41.6	1.20	7.13	0.15	0.89	0.021	0.125	1.08	6.42	2.30	13.70	0.146	0.867	0.292	1.734	5.1	30.3	44.2	263.0			11.9	10.6	
7		08.00	1.60	5 760	16.0	8.50	<0.1	<0.6	9.9	57.0	108	4.0	23.0	0.72	4.15	0.16	0.92	0.016	0.092	1.09	6.28	1.83	10.50	0.125	0.720	0.182	1.048	5.1	29.4	24.2	139.0			13.0	11.8	
8		12.00	1.16	4 180	17.2	8.70	<0.1	<0.4	9.9	41.4	111	4.7	19.6	0.72	3.01	0.19	0.79	0.016	0.067	0.96	4.01	1.70	7.11	0.280	1.170	0.336	1.404	15.7	65.6	16.9	70.6			13.3	12.2	
9		16.00	1.75	6 300	16.6	8.45	<0.1	<0.6	9.4	59.2	104	6.6	41.6	0.77	4.85	0.23	1.45	0.018	0.113	0.87	5.48	1.66	10.50	0.156	0.983	0.198	1.247	4.2	26.5	23.7	149.0			12.7	11.9	
10		20.00	3.38	12 170	15.8	8.50	0.3	3.6	9.3	113.0	102	7.3	88.8	1.40	17.00	0.17	2.07	0.031	0.377	1.09	13.30	2.52	30.70	0.170	2.068	0.348	4.235	4.0	48.6	43.0	523.0			12.2	11.6	
11		24.00	2.49	8 970	14.8	8.50	0.2	1.8	9.6	86.1	103	7.7	69.1	1.08	9.69	0.13	1.17	0.021	0.188	0.95	8.52	2.05	18.40	0.120	1.076	0.216	1.938	3.8	34.1	34.2	307.0	<0.1	<0.7	12.2	11.6	
12	28. 6. 61	05.00	3.39	12 200	14.0	8.45	0.2	2.4	9.7	118.0	102	5.1	62.2	1.42	17.30	0.12	1.46	0.020	0.244	1.00	12.20	2.44	29.80	0.110	1.342	0.322	3.928	2.8	34.2	47.4	578.0			12.9	12.6	
13		09.00	2.79	10 040	14.0	8.50	<0.1	<1.0	10.3	103.0	108	3.2	32.1	1.02	10.20	0.19	1.91	0.008	0.080	0.87	8.73	1.90	19.10	0.085	0.853	0.182	1.827	2.6	26.1	33.7	338.0			13.3	12.2	
14		13.00	2.30	8 280	15.5	8.70	0.1	0.8	10.3	85.2	112	4.8	39.7	0.95	7.87	0.17	1.41	0.011	0.091	0.87	7.20	1.83	15.20	0.064	0.530	0.176	1.457	2.6	21.5	25.7	213.0			13.3	13.0	
15		17.00	1.87	6 730	16.0	8.60	<0.1	<0.7	10.1	68.0	111	9.1	61.2	0.76	5.11	0.05	0.34	0.017	0.114	0.85	5.72	1.63	11.00	0.106	0.713	0.168	1.131	4.1	27.6	29.1	196.0			13.6	12.7	
16		21.00	1.56	5 620	14.9	8.50	<0.1	<0.6	9.7	54.5	104	3.5	19.7	0.59	3.32	0.12	0.67	0.015	0.084	0.88	4.95	1.49	8.37	0.108	0.607	0.168	0.944	3.5	19.7	19.6	110.0	0.12	1.03	13.7	13.0	
17	29. 6. 61	01.00	1.30	4 680	13.9	8.55	<0.1	<0.5	10.0	46.8	105	2.7	12.6	0.47	2.20	0.05	0.23	0.012	0.056	0.83	3.88	1.36	6.36	0.112	0.524	0.172	0.805	4.0	18.7	14.7	68.8			13.9	13.2	
18		06.00	1.19	4 280	12.6	8.50	<0.1	<0.4	10.6	45.4	108	1.9	8.1	0.27	1.16	0.02	0.09	0.012	0.051	0.92	3.94	1.20	5.14	0.104	0.445	0.142	0.608	4.1	17.5	11.5	49.2			14.1	13.8	
19		10.00	0.92	3 310	14.4	8.70	<0.1	<0.3	11.2	37.1	119	5.9	19.5	5.70	18.90	—																				

Untersuchung der Seezuflüsse

Probeentnahmestelle:

Goldach

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Untersuchendes Institut

Kantonales Laboratorium

St. Gallen

	Datum	Tageszeit	Wasserführung		Temperatur	Absetzbare Stoffe		Sauerstoff		BSB ₅	Kjeldahl-N		Ammonium-N		Nitrit-N		Nitrat-N		Gesamt-N		Anorganischer (Phosphat) P		Gesamt-P		Chlorid Cl		KMnO ₄ -Verbrauch		Anionaktive Detergentien		Gesamt-Härte °dH	Karbonat-Härte °dH	Bemerkungen			
			m³/s	m³/h	°C	ml/l	m³/h	mg/l	kg/h	%	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	°dH	°dH				
1	23.10.61	07.00	0.180	648	7.1	8.3	<0.1	<0.06	8.8	5.7	79	2.8	1.8	1.65	1.07	0.49	0.32	0.045	0.029	1.65	1.07	3.34	2.16	0.660	0.428	0.690	0.447	10.6	6.9	15.0	9.7		16.4	15.4		
2		11.00	0.180	648	8.2	8.4	<0.1	<0.06	15.4	10.0	142	3.5	2.3	1.58	1.02	0.47	0.30	0.050	0.032	1.77	1.15	3.40	2.20	0.736	0.477	0.740	0.480	8.4	5.4	14.4	9.3		16.4	15.5		
3		15.00	0.180	648	11.6	8.8	<0.1	<0.06	18.9	12.2	189	2.5	1.6	1.36	0.88	0.83	0.54	0.053	0.034	1.85	1.20	3.26	2.11	0.624	0.404	0.730	0.473	9.1	5.9	13.4	8.7		16.2	15.1		
4		19.00	0.180	648	10.8	8.8	<0.1	<0.06	14.0	9.1	138	2.4	1.6	1.34	0.87	0.88	0.57	0.059	0.038	1.60	1.04	3.00	1.94	0.660	0.428	0.790	0.512	7.6	4.9	13.3	8.6		17.2	15.1		
5		23.00	0.180	648	10.2	8.7	<0.1	<0.06	10.6	6.9	102	2.1	1.4	1.00	0.65	0.82	0.53	0.054	0.035	1.36	0.88	2.41	1.56	0.620	0.402	0.660	0.428	8.6	5.6	13.0	8.4	0.2	0.13	16.0	15.0	
6	24.10.61	04.00	0.187	673	9.4	8.5	<0.1	<0.07	8.2	5.5	78	1.9	1.3	0.88	0.59	0.80	0.54	0.062	0.042	1.40	0.94	2.34	1.57	0.672	0.452	0.730	0.491	8.3	5.6	13.1	8.3		15.7	15.0		
7		08.00	0.187	673	8.2	8.2	<0.1	<0.07	8.6	5.8	79	2.2	1.5	1.28	0.86	0.79	0.53	0.069	0.046	1.65	1.11	3.00	2.02	0.632	0.425	0.840	0.565	10.0	6.7	14.1	9.5		15.7	14.7		
8		12.00	0.187	673	11.6	8.7	<0.1	<0.07	19.0	12.8	189	4.1	2.8	0.94	0.63	0.56	0.38	0.070	0.047	1.58	1.06	2.59	1.74	0.632	0.425	0.815	0.548	11.1	7.5	7.7	5.2		15.1	14.4		
9		16.00	0.189	680	14.6	9.0	<0.1	<0.07	21.0	14.3	223	4.3	2.9	0.68	0.46	0.42	0.29	0.062	0.042	1.60	1.09	2.90	1.97	0.592	0.403	0.710	0.483	10.4	7.1	14.2	9.7		15.3	14.1		
10		20.00	0.189	680	12.0	9.0	<0.1	<0.07	13.0	8.8	131	2.7	1.8	0.74	0.50	0.44	0.30	0.062	0.042	1.49	1.01	2.29	1.56	0.656	0.446	0.700	0.476	11.7	8.0	14.1	9.6	0.2	0.14	15.1	14.4	
11	25.10.61	00.00	0.189	680	10.2	8.7	<0.1	<0.07	9.4	6.4	91	2.8	1.9	1.16	0.79	0.75	0.51	0.057	0.039	1.45	0.99	2.67	1.82	0.768	0.522	0.840	0.571	13.2	9.0	15.2	10.3		15.4	14.8		
12		05.00	0.196	706	9.6	8.4	<0.1	<0.07	7.5	5.3	71	2.5	1.8	1.86	1.31	0.97	0.68	0.050	0.035	1.39	0.98	3.30	2.32	0.784	0.554	0.860	0.607	23.0	16.2	15.5	10.9		15.5	15.1		
13		09.00	0.196	706	10.0	8.25	<0.1	<0.07	8.6	6.1	83	3.5	2.5	2.28	1.61	1.16	0.82	0.048	0.034	1.39	0.98	3.72	2.63	0.748	0.528	0.830	0.586	13.5	9.5	16.1	11.4		16.1	15.3		
14		13.00	0.194	698	12.0	8.8	<0.1	<0.07	19.8	13.8	199	4.3	3.0	1.74	1.21	1.05	0.73	0.056	0.039	0.83	0.58	2.63	1.84	0.800	0.558	0.830	0.579	11.9	8.3	15.2	10.6		15.5	15.1		
15		17.00	0.196	706	12.8	8.9	<0.1	<0.07	19.8	14.0	203	2.8	2.0	2.16	1.52	1.08	0.76	0.060	0.042	1.51	1.07	3.73	2.63	0.884	0.624	0.950	0.671	12.0	8.5	16.1	11.4		15.1	15.1		
16		21.00	0.196	706	11.8	8.8	<0.1	<0.07	12.4	8.8	124	0.6	0.4	2.34	1.65	1.36	0.96	0.062	0.044	1.47	1.04	3.87	2.73	0.924	0.652	1.030	0.727	15.5	10.9	16.4	11.6	0.2	0.14	15.5	15.0	
17	26.10.61	01.00	0.182	655	11.0	8.6	<0.1	<0.07	9.0	5.9	89	3.1	2.0	2.50	1.64	1.46	0.96	0.053	0.035	1.41	0.92	3.96	2.59	0.942	0.605	0.990	0.648	16.1	10.5	17.1	11.2		16.0	15.3		
18		06.00	0.180	648	9.8	8.3	<0.1	<0.06	7.3	4.7	70	2.7	1.7	2.48	1.61	1.38	0																			

Untersuchung der Seezuflüsse

Datum	Tageszeit	Wasser-führung		Temperatur °C	Absetzbare Stoffe			Sauerstoff		Sättigung %	BSB ₅		Kjeldahl-N		Ammonium-N		Nitrit-N		Nitrat-N		Gesamt-N		Anorganischer (Phosphat) P		Gesamt-P		Chlorid Cl		KMnO ₄ -Verbrauch		Anionaktive Detergentien		Gesamt-Härte °dH	Karbonat-Härte °dH	Bemerkungen	
		m³/s	m³/h		pH	ml/l	m³/h	mg/l	kg/h		mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h				
1	27.2.61	06.00	0.284	1020	5.5	7.85	<0.1	<0.1	10.3	10.5	89	4.6	4.7	1.50	1.53	0.87	0.89	0.018	0.018	2.80	2.86	4.32	4.41	0.360	0.367	0.444	0.453	9.0	9.2	13.8	14.1			20.2	18.3	
2		10.00	0.310	1120	5.5	7.80	<0.1	<0.1	10.9	12.2	94	4.7	5.3	1.45	1.62	0.94	1.05	0.051	0.057	2.84	3.18	4.34	4.86	0.380	0.426	0.450	0.504	11.4	12.8	11.5	12.9			20.2	18.3	
3		14.00	0.334	1200	7.0	8.00	<0.1	<0.1	13.2	15.8	118	4.2	5.0	1.02	1.22	0.49	0.59	0.039	0.047	2.60	3.12	3.66	4.39	0.320	0.384	0.344	0.413	5.1	6.1	11.1	13.3			20.2	18.3	
4		18.00	0.334	1200	6.5	8.05	<0.1	<0.1	12.6	15.1	112	4.8	5.8	1.42	1.70	0.56	0.67	0.036	0.043	3.16	3.79	4.62	5.54	0.300	0.360	0.344	0.413	7.9	9.5	15.2	18.2			19.9	18.2	
5		22.00	0.310	1120	6.6	8.10	<0.1	<0.1	10.7	12.0	95	6.3	7.1	1.97	2.21	1.12	1.25	0.057	0.064	2.84	3.18	4.87	5.45	0.500	0.560	0.690	0.773	8.3	9.3	13.9	15.6	0.15	0.17	20.2	18.3	
6	28.2.61	03.00	0.284	1020	6.7	7.90	<0.1	<0.1	9.2	9.4	82	6.8	6.9	1.83	1.87	1.15	1.17	0.072	0.073	2.80	2.86	4.70	4.79	0.600	0.612	0.952	0.971	9.6	9.8	14.5	14.8			20.8	18.3	
7		07.00	0.334	1200	6.2	7.85	<0.1	<0.1	9.2	11.0	81	7.2	8.6	1.75	2.10	0.97	1.16	0.064	0.077	2.60	3.12	4.41	5.29	0.584	0.701	0.600	0.720	11.4	13.7	14.1	16.9			20.2	18.5	
8		11.00	0.334	1200	6.2	8.00	<0.1	<0.1	10.8	13.0	95	4.9	5.9	1.65	1.98	1.12	1.34	0.072	0.086	2.60	3.12	4.32	5.18	0.504	0.605	0.652	0.782	6.8	8.2	15.5	18.6			20.3	18.5	
9		15.00	0.334	1200	6.4	8.00	<0.1	<0.1	12.2	14.6	108	2.8	3.4	1.02	1.22	0.38	0.46	0.040	0.048	2.44	2.93	3.50	4.20	0.432	0.518	0.460	0.552	7.6	9.1	11.9	14.3			20.2	18.3	
10		19.00	0.386	1390	6.0	8.10	<0.1	<0.1	11.3	15.7	99	7.0	9.7	1.75	2.43	1.12	1.56	0.050	0.070	2.80	3.89	4.60	6.39	0.550	0.764	0.600	0.834	11.1	15.4	13.4	18.6			20.7	18.5	
11		23.00	0.334	1200	5.8	7.90	<0.1	<0.1	9.6	11.5	84	10.2	12.2	2.40	2.88	1.75	2.10	0.072	0.086	2.70	3.24	5.17	6.20	0.640	0.768	0.896	1.075	6.4	7.7	21.2	25.4	0.16	0.19	19.5	18.2	
12	1.3.61	04.00	0.334	1200	5.4	7.90	<0.1	<0.1	9.7	11.6	84	8.4	10.1	1.75	2.10	1.22	1.46	0.057	0.068	2.58	3.10	4.39	5.27	0.512	0.614	0.600	0.720	9.8	11.8	15.8	19.0			19.5	17.6	
13		08.00	0.495	1780	5.0	7.85	<0.1	<0.2	10.2	18.2	87	8.0	14.2	2.18	3.88	1.32	2.34	0.055	0.098	2.54	4.52	4.78	8.51	0.632	1.125	0.760	1.353	8.6	15.3	15.5	27.6			19.2	17.6	
14		12.00	0.522	1880	5.0	8.10	<0.1	<0.2	11.8	22.2	101	5.0	9.4	1.62	3.05	0.90	1.69	0.047	0.088	2.50	4.70	4.17	7.84	0.492	0.925	0.520	0.978	7.4	13.9	16.4	30.8			18.2	16.4	
15		16.00	0.495	1780	5.5	8.00	<0.1	<0.2	12.6	22.4	109	7.4	13.2	1.75	3.12	1.07	1.90	0.046	0.082	2.50	4.45	4.30	7.65	0.460	0.819	0.496	0.883	8.1	14.4	16.6	29.5			17.9	16.0	
16		20.00	0.440	1580	5.5	8.10	<0.1	<0.2	11.4	18.0	98	5.6	8.8	1																						

Untersuchung der Seezuflüsse

Datum	Tageszeit	Wasser-führung		Temperatur	Absetzbare Stoffe		Sauerstoff		Sättigung	BSB ₅		Kjeldahl-N		Ammonium-N		Nitrit-N		Nitrat-N		Gesamt-N		Anorganischer (Phosphat) P		Gesamt-P		Chlorid Cl		KMnO ₄ -Verbrauch		Anionaktive Detergenzien		Gesamt-Härte °dH	Karbonat-Härte °dH	Bemerkungen		
		m³/s	m³/h	°C	pH	ml/l	m³/h	mg/l	kg/h	%	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h						
1	26. 6. 61	06.00	0.28	1010	18.8	8.00	<0.1	<0.1	6.7	6.8	77	9.9	10.0	1.60	1.62	0.63	0.64	0.272	0.275	3.30	3.33	5.17	5.22	0.540	0.545	0.760	0.768	14.8	14.9	24.0	24.2			19.3	17.5	
2		10.00	0.33	1190	18.1	7.90	<0.1	<0.1	7.1	8.4	81	13.6	16.2	2.50	2.98	1.36	1.62	0.274	0.326	2.72	3.24	5.49	6.53	0.576	0.685	0.710	0.845	10.1	12.0	31.9	38.0			16.1	14.7	
3		14.00	0.28	1010	18.6	8.05	<0.1	<0.1	8.2	8.3	95	6.8	6.9	1.08	1.09	0.27	0.27	0.182	0.184	2.83	2.86	4.09	4.13	0.440	0.444	0.552	0.558	9.1	9.2	23.4	23.6			17.5	15.8	
4		18.00	0.26	940	19.4	8.10	<0.1	<0.1	7.6	7.1	89	11.9	11.2	1.65	1.55	0.48	0.45	0.172	0.162	2.83	2.66	4.65	4.37	0.520	0.489	0.600	0.564	9.7	9.1	31.6	29.7			17.4	15.1	
5		22.00	0.28	1010	19.4	8.00	<0.1	<0.1	6.8	6.9	80	5.3	5.4	1.17	1.18	0.33	0.33	0.272	0.275	2.95	2.98	4.39	4.43	0.736	0.743	0.900	0.909	11.4	11.5	23.4	23.6	0.18	0.19	18.1	16.5	
6	27. 6. 61	03.00	0.22	790	19.1	8.00	<0.1	<0.1	6.5	5.1	76	4.9	3.9	1.17	0.92	0.44	0.35	0.324	0.256	2.65	2.09	4.14	3.27	0.916	0.724	1.200	0.948	14.1	11.1	25.6	20.2			17.2	16.0	
7		07.00	0.24	860	18.9	7.90	<0.1	<0.1	6.6	5.7	76	5.5	4.7	1.65	1.42	0.73	0.63	0.336	0.289	2.50	2.15	4.49	3.86	0.916	0.788	1.140	0.980	14.2	12.2	30.7	26.4			16.9	15.7	
8		11.00	0.24	860	18.8	7.85	<0.1	<0.1	7.4	6.4	86	4.4	3.8	1.42	1.22	0.55	0.47	0.315	0.271	2.50	2.15	4.24	3.65	0.868	0.746	0.940	0.808	12.2	10.5	24.4	21.0			18.3	16.7	
9		15.00	0.72	2590	18.0	7.95	<0.1	<0.3	7.9	20.5	90	3.3	8.5	1.00	2.59	0.23	0.60	0.180	0.466	2.65	6.86	3.83	9.92	0.610	1.580	0.790	2.046	10.4	26.9	21.2	54.9			18.3	17.1	
10		19.00	0.42	1510	17.8	8.00	<0.1	<0.2	7.2	10.9	82	7.2	10.9	1.40	2.11	0.79	1.19	0.318	0.480	2.90	4.38	4.62	6.98	0.760	1.148	0.960	1.450	12.0	18.1	24.0	36.2			17.2	16.1	
11		23.00	0.47	1690	17.6	7.90	<0.1	<0.2	7.0	11.8	79	8.4	14.2	2.40	4.06	1.17	1.98	0.298	0.504	2.22	3.75	4.92	8.31	0.712	1.203	0.860	1.453	13.8	23.3	26.9	45.5	0.19	0.26	13.6	12.6	
12	28. 6. 61	04.00	0.41	1480	16.4	7.90	<0.1	<0.1	7.3	10.8	81	5.7	8.4	1.42	2.10	0.55	0.81	0.234	0.346	2.62	3.88	4.27	6.32	0.692	1.024	0.870	1.288	9.2	13.6	24.6	36.4			15.4	14.1	
13		08.00	0.36	1300	16.0	8.00	<0.1	<0.1	7.9	10.3	86	4.6	6.0	1.05	1.36	0.36	0.47	0.180	0.234	2.65	3.44	3.88	5.04	0.644	0.837	0.770	1.001	9.2	12.0	24.0	31.2			15.5	14.3	
14		12.00	0.33	1190	16.0	8.00	<0.1	<0.1	8.9	10.6	98	2.3	2.7	0.93	1.11	0.18	0.21	0.125	0.149	2.77	3.30	3.82	4.55	0.584	0.695	0.670	0.797	8.4	10.0	21.8	25.9			16.6	15.4	
15		16.00	0.33	1190	16.6	8.00	<0.1	<0.1	9.1	10.8	101	2.6	3.1	0.83	0.99	0.10	0.12	0.115	0.137	2.77	3.30	3.72	4.43	0.592	0.704	0.660	0.785	11.8	14.0	22.8	27.1			17.4	16.0	
16		20.00	0.24	860	16.8	8.10	<0.1	<0.1	8.1	7.0	90	2.9	2.5	0.92	0.79	0.25	0.22	0																		

Untersuchung der Seezuflüsse

	Datum	Tageszeit	Wasser- führung		Temperatur °C	Absetzbare Stoffe		Sauerstoff		Sättigung %	BSB ₅		Kjeldahl- N		Ammonium- N		Nitrit- N		Nitrat- N		Gesamt- N		Anorganischer (Phosphat) P		Gesamt- P		Chlorid Cl		KMnO ₄ - Verbrauch		Anionische Detergentien		Gesamt- Härte °dH	Karbonat- Härte °dH	Bemerkungen	
			m³/s	m³/h		pH	ml/l	m³/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h	mg/l	kg/h						
1	23.10.61	06.00	0.09	320	7.3	7.70	<0.1	<0.03	4.0	1.3	36	15.0	4.8	3.2	1.0	1.4	0.4	0.003	0.001	0.05	0.02	3.2	1.0	1.48	0.47	1.72	0.55	11.5	3.7	36.3	11.6			19.2	18.9	
2		10.00	0.09	320	7.5	7.75	<0.1	<0.03	6.0	1.9	54	7.9	2.5	4.6	1.5	1.3	0.4	0.013	0.004	0.07	0.02	4.7	1.5	1.50	0.48	1.72	0.55	11.2	3.6	31.2	10.0			19.2	19.0	
3		14.00	0.10	360	7.8	7.75	<0.1	<0.04	7.4	2.7	68	5.1	1.8	4.8	1.7	3.6	1.3	0.040	0.014	0.14	0.05	5.0	1.8	1.42	0.51	1.62	0.58	12.7	4.6	26.6	9.5			19.6	19.0	
4		18.00	0.10	360	7.8	7.90	<0.2	0.07	7.4	2.7	68	16.0	5.8	6.9	2.5	5.0	1.8	0.047	0.017	0.15	0.05	7.1	2.6	1.68	0.60	1.85	0.67	17.7	6.4	28.8	10.4			19.3	19.0	
5		22.00	0.10	360	8.2	8.10	<0.1	<0.04	7.4	2.7	68	5.0	1.8	7.0	2.5	6.0	2.2	0.054	0.019	0.19	0.07	7.2	2.6	1.74	0.63	1.88	0.68	18.7	6.7	25.3	9.1	0.2	0.07	19.2	19.0	
6	24.10.61	03.00	0.10	360	7.0	8.10	<0.1	<0.04	7.4	2.7	66	3.9	1.4	6.4	2.3	5.6	2.0	0.062	0.022	0.25	0.09	6.7	2.4	1.68	0.60	1.88	0.68	12.2	4.4	25.0	9.0			19.3	19.2	
7		07.00	0.10	360	8.2	7.85	<0.1	<0.04	7.3	2.6	67	2.8	1.0	7.0	2.5	5.0	1.8	0.066	0.024	0.29	0.10	7.4	2.7	1.48	0.53	1.75	0.63	15.7	5.7	26.8	9.6			19.3	19.0	
8		11.00	0.09	320	8.5	7.70	<0.1	<0.03	7.5	2.4	70	4.4	1.4	8.7	2.8	5.2	1.7	0.077	0.025	0.39	0.12	9.2	2.9	1.63	0.52	1.88	0.60	21.2	6.8	25.3	8.1			19.2	19.0	
9		15.00	0.10	360	9.4	7.80	<0.1	<0.04	7.6	2.7	72	6.0	2.2	5.6	2.0	5.2	1.9	0.092	0.033	0.30	0.11	6.0	2.2	1.84	0.66	2.30	0.83	17.6	6.3	25.3	9.1			19.3	19.2	
10		19.00	0.10	360	8.8	8.00	<0.1	<0.04	7.2	2.6	67	4.9	1.8	5.0	1.8	3.2	1.2	0.090	0.032	0.27	0.10	5.4	1.9	2.34	0.84	2.80	1.01	28.0	10.1	26.2	9.4			19.5	19.3	
11		23.00	0.10	360	8.8	8.00	<0.1	<0.04	6.9	2.5	65	5.3	1.9	6.2	2.2	5.4	1.9	0.056	0.020	0.17	0.06	6.4	2.3	2.09	0.75	2.84	1.02	19.3	6.9	24.0	8.6	0.2	0.07	19.5	19.5	
12	25.10.61	04.00	0.09	320	8.8	7.90	<0.1	<0.03	6.2	2.0	58	6.7	2.1	6.7	2.1	5.6	1.8	0.016	0.005	0.03	0.01	6.8	2.2	2.33	0.75	2.72	0.87	22.9	7.3	27.8	8.9			19.6	19.7	
13		08.00	0.09	320	8.8	7.80	<0.1	<0.03	4.5	1.4	42	21.0	6.7	6.2	2.0	4.1	1.3	0.001	<0.001	0.07	0.02	6.3	2.0	2.13	0.68	2.84	0.91	24.2	7.7	36.7	11.7			19.6	19.3	
14		12.00	0.09	320	9.2	7.75	<0.1	<0.03	4.3	1.4	41	28.0	9.0	4.2	1.3	2.9	0.9	0.002	<0.001	0.06	0.02	4.3	1.4	2.11	0.68	2.28	0.73	21.2	6.8	38.3	12.3			19.7	19.6	
15		16.00	0.09	320	8.0	7.55	<0.1	<0.03	4.2	1.3	39	43.0	14.0	5.7	1.8	3.6	1.2	0.001	<0.001	0.08	0.03	5.8	1.9	2.17	0.69	2.46	0.79	16.9	5.4	46.8	15.0			20.0	19.3	
16		20.00	0.10	360	9.6	7.90	<0.1	<0.04	3.9	1.4	37	41.0	15.0	6.7	2.4	5.0	1.8	0.001	<0.001	0.08	0.03	6.8	2.4	2.47	0.89	2.68	0.96	19.1	6.9	50.5	18.2</					

Zusammenstellung der jährlich in den See gelangenden Abwasserstoffe

(Angaben in t/Jhr.)

BSB ₅	Stickstoff (gesamt N)	Phosphor (gesamt P)	BSB ₅	Stickstoff (gesamt N)	Phosphor (gesamt P)	BSB ₅	Stickstoff (gesamt N)	Phosphor (gesamt P)
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Baden-Württemberg

Gemessene Zuflüsse			
Radolfzeller Ach	1 950	932	115
Stockach	176	196	10
Seefelder Ach	164	197	8
Grenzbach	18	12	2
Rotach	161	116	10
Schussen	1 621	745	68
Argen	1 304	707	24

Statistisch ermittelte
unmittelbare Ufereinleitungen

Konstanz (einschl. Staad)	1 164	275	59
Öhningen	21	5	1
Wangen	15	4	1
Hemmenhofen/Gaienhofen	22	4	1
Horn/Gundholzen	10	2	1
Iznang	5	1	0
Moos	7	2	1
Radolfzell	370	74	19
Markelfingen	15	4	1
Allensbach	27	7	2
Mainau	27	6	2
Litzelstetten	11	2	1
Dingelsdorf	10	3	1
Wallhausen	13	3	1
Bodmann	14	3	1
Ludwigshafen	26	6	2
Sipplingen	14	3	1
Überlingen	250	52	13
Nußdorf	10	2	1
Ober-/Unter-Uhldingen	13	3	1
Meersburg	73	18	4
Hagnau	13	3	1
Immenstaad	23	6	1
Friedrichshafen	841	183	37
Eriskirch	20	5	1
Langenargen	67	16	4
Kreßbronn	89	21	5

Bayern

Gemessene Zuflüsse			
Lindauer Ach	96	28	5
Ablauf der Kläranlage Lindau	440	64	14
Laiblach	46	24	2

Statistisch ermittelte
unmittelbare Ufereinleitungen

Nonnenhorn	8	1	0
Wasserburg	13	3	1
Lindau	61	15	4

Österreich

Gemessene Zuflüsse			
Leiblach	62	51	4
Leiblach-Werkskanal	556	96	18
Bregenzer Ach	1 996	1 074	101
Dornbirner Ach	1 187	355	40
Lustenauer Kanal	159	86	9
Rhein	15 384	9 776	806

Statistisch ermittelte
unmittelbare Ufereinleitungen

Lochau	69	17	4
Bregenz	353	85	21
Hard	127	30	8
Fussach	18	5	1
Höchst	12	3	1

Schweiz

Gemessene Zuflüsse			
Alter Rhein	1 013	406	31
Goldach	175	55	8
Steinach	898	324	73
Salmsacher Ach	50	36	7

Statistisch ermittelte
unmittelbare Ufereinleitungen

Region Goldach-Rorschach-	1 702	409	102
Rorschach-Staad			
Tübach	9	2	1
Steinach	29	7	2
Altenrhein	11	3	1
Thal – Dorf	130	31	7
Rheineck	69	16	4
St. Margrethen	117	28	7
Wolfhalden	37	9	2
Walzenhausen	36	9	2
Heiden	76	18	5
Grub/SG	3	1	0
Grub/AR	3	1	0
Horn	177	17	3
Arbon	312	76	23
Egnach	80	10	3
Salmsach	11	3	1
Romanshorn	144	44	8
Uttwil	16	3	1
Kesswil	14	2	0
Güttingen	28	3	1
Altnau	22	3	1
Landschlacht	9	2	0
Scherzingen	45	7	2
Bottighofen	10	1	0
Kreuzlingen	369	67	14
Gottlieben	5	1	0
Tägerwilen	25	6	1
Triboltingen	4	1	0
Ermatingen	36	7	2
Mannenbach	3	1	0
Berlingen	13	3	1
Steckborn	212	15	4
Mammern	7	2	0
Eschenz	18	4	1
Lutzerberg	18	4	1

Jahresfracht	35 025	16 917	1 754
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