

Nationalpark Kalkalpen Planungsabschnitt Ost

**Karstforschungsprogramm - Proj. 1603
Karstdynamik im Nationalpark Kalkalpen
Aufbereitung hydrologischer Meßdaten und
hydrologische Zusatzarbeiten**

Teil II, Band 2 (Anhang)

Ralf Benischke

Jahresbericht 1998

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NATIONALPARK KALKALPEN PLANUNGSABSCHNITT OST

*Karstforschungsprogramm -
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Aufbereitung hydrologischer Meßdaten
und hydrologische Zusatzarbeiten*

**Teil II
Band 2 - Anhang**

Ralf BENISCHKE

Auftraggeber:

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NATIONALPARK O.ö. KALKALPEN GES.m.b.H Molln

NATIONALPARK KALKALPEN

PLANUNGSABSCHNITT OST

*Karstforschungsprogramm -
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Teil II
Band 2: Anhang

Ralf BENISCHKE

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ANHANG A-1

FELDPARAMETER & HAUPTBESTANDTEILE

Erläuterungen:

Spalte Kurzbez.: Bezeichnung innerhalb des NPK-Flußnummernsystems; wenn nicht verfügbar, dann Bezeichnung nach zur Verfügung stehenden Unterlagen

Spalte Entnahme JJMMTT: Entnahmedatum der Probe.

Spalte Uhrzeit hhmm: In Einzelfällen wurde auch die Uhrzeit der Entnahme angeführt.

Spalte Q-Art: Angabe, auf welche Weise die Schüttung oder der Abfluß erhoben wurde. In praktisch allen Fällen erfolgte die Angabe nach Schätzwerten. In Einzelfällen wurde die Schüttung nach den Angaben des Hydrographischen Dienstes des Landes Oberösterreich angeführt. Bis zum Zeitpunkt des Berichtes war im Einzelfall die Meßart noch nicht bekannt, ansonsten erfolgte die Zuweisung nach den untenstehenden Kennungen.

S = Q geschätzt oder nach Angaben Dritter übernommen,

PG = Pegelablesung

HD = Q gemessen (durch Hydrographischen Dienst des Landes Oberösterreich).

Spalte Q (Vs): Schüttung, Abfluß bzw. Durchfluß in Litern pro Sekunde.

Spalte El. Leitf. ($\mu\text{S}/\text{cm}$ b. 25°C): Elektrische Leitfähigkeit des Wassers in Mikrosiemens pro Zentimeter bezogen auf die Referenztemperatur von 25°C .

Spalte Temp. ($^\circ\text{C}$): Wassertemperatur in Grad Celsius gemessen mit dem Temperaturfühler der Leitfähigkeitselektrode.

Spalte pH-Wert: pH-Wert des Wassers, elektrometrisch gemessen.

Spalten Na^+ , K^+ , Ca^{++} , Mg^{++} , HCO_3^- , Cl^- , NO_3^- , SO_4^{--} : Ionogene Hauptbestandteile in mg/l.

Spalten Kationen, Anionen, Gesamt: Summe der Kationen, der Anionen und der Kationen+Anionen in mg/l.

Spalte Labor: Angabe, aus welchem Labor die Analyse stammt. NPK = Nationalpark Forschungszentrum Molln.

Spalte GIS_ID: Meßstellenbezeichnung innerhalb des NPK-GIS bzw. der Datenbank "QUELLDAT.MDB".

Spalte Kurzname: Meßstellenbezeichnung innerhalb der Datenbank "QUELLDAT.MDB" für Zwecke des Karstquellen-Monitoring.

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Hauptbestandteile

Kurzbez.	Entnahme JMMTT	Uhrzeit hhmm	Q-Art	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (°C)	pH- Wert	Na ⁺ (mg/l)	K ⁺ (mg/l)	Ca ⁺⁺ (mg/l)	Mg ⁺⁺ (mg/l)	HCO ₃ ⁻ (mg/l)	Cl ⁻ (mg/l)	NO ₃ ⁻ (mg/l)	SO ₄ ⁺⁺ (mg/l)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Labor	GIS_ID	Kurz- name
33-138-1-CE	960124		S	18.00	349.0	6.4	8.05	1.34	0.56	38.10	9.67	125.69	0.37	0.73	33.85	49.67	160.64	210.31	NPK	1142	ROK
33-138-1-CE	960502		S	10.00	337.0	6.8	7.95	0.60	2.52	39.66	13.61	99.46	1.40	3.00	78.51	56.39	182.36	238.75	NPK	1142	ROK
33-138-1-CE	960712	16:40	S	10.00	305.0	7.0	7.86	0.60	1.43	39.28	12.53	100.07	1.33	2.77	67.82	53.84	171.98	225.82	NPK	1142	ROK
33-138-1-CE	961023	15:00	S	15.00	268.6	6.9	7.69	0.76	1.59	35.35	10.39	100.07	1.23	2.69	52.25	48.07	156.23	204.30	NPK	1142	ROK
33-138-1-CE	970227	14:45	S	6.00	353.0	6.9	7.92	2.23	0.73	47.05	14.79	108.00	1.44	3.62	84.78	64.80	197.83	262.64	NPK	1142	ROK
33-138-1-CE	970513	14:30	S	20.00	319.0	7.1	7.97	2.10	0.72	40.16	12.92	106.78	1.41	4.22	68.24	55.90	180.64	236.54	NPK	1142	ROK
33-138-1-CE	970819	12:30	S	10.00	320.0	7.1	7.82	2.15	0.76	31.70	8.11	108.61	1.32	3.26	68.22	42.72	181.41	224.13	NPK	1142	ROK
33-138-13-AA	960124		S	25.00	335.0	7.8	8.13	0.19	0.04	25.58	12.84	220.27	0.45	2.82	4.66	38.65	228.20	266.85	NPK	1014	LAUS
33-138-13-AA	960502		S	70.00	283.0	6.9	8.02	0.11	0.23	29.27	15.52	178.78	0.24	3.71	4.81	45.13	187.53	232.66	NPK	1014	LAUS
33-138-13-AA	960712	17:30	S	80.00	295.0	7.4	7.92	0.12	0.23	26.99	12.93	194.64	0.01	2.84	3.38	40.26	200.86	241.12	NPK	1014	LAUS
33-138-13-AA	961023	17:15	S	60.00	305.0	7.4	7.70	0.22	0.37	43.63	14.68	192.81	0.28	2.61	5.55	58.90	201.25	260.15	NPK	1014	LAUS
33-138-13-AA	970227	13:45	S	60.00	280.0	6.9	7.88	0.32	0.14	38.39	14.28	173.29	0.81	7.52	5.42	53.12	187.03	240.15	NPK	1014	LAUS
33-138-13-AA	970513	15:45	S	60.00	310.0	7.2	8.00	0.32	0.14	38.56	17.10	194.64	0.38	4.64	5.08	56.12	204.74	260.86	NPK	1014	LAUS
33-138-13-AA	970819	14:15	S	40.00	341.0	8.0	7.84					217.22					217.22	217.22	NPK	1014	LAUS
33-138-2-	961023	16:10	S	25.00	224.3	6.0	7.76	0.35	0.33	45.58	1.26	130.57	0.45	4.22	7.12	47.51	142.35	189.86	NPK	A123	LABA
33-138-2-	970513	14:45	S	50.00	221.0	5.6	8.24	0.38	0.24	41.14	1.13	122.64	0.51	5.87	7.41	42.89	136.43	179.32	NPK	A123	LABA
33-138-2-	970819	15:00	S	30.00	221.0	6.0	8.09	0.35	0.21	41.52	1.33	126.30	0.44	4.99	9.04	43.41	140.78	184.18	NPK	A123	LABA
33-138-7-AA	960124			0.00															NPK	1132	SAG
33-138-7-AA	960502		S	25.00	217.0	7.0	8.14	0.19	0.24	34.80	4.74	130.57	0.10	3.21	4.89	39.97	138.77	178.74	NPK	1132	SAG
33-138-7-AA	960712	17:10	S	100.00	260.0	7.1	7.99	0.31	0.28	37.02	4.34	163.52	0.00	2.42	3.97	41.95	169.91	211.85	NPK	1132	SAG
33-138-7-AA	961023	16:40	S	15.00	267.6	6.9	7.77	0.33	0.51	49.92	3.93	159.86	0.24	2.16	9.02	54.69	171.28	225.97	NPK	1132	SAG
33-138-7-AA	970227	14:10	S	15.00	244.0	6.7	8.03	0.50	0.26	45.76	3.61	141.56	0.62	8.56	5.25	50.13	155.99	206.12	NPK	1132	SAG
33-138-7-AA	970513	15:15	S	50.00	193.0	7.2	8.13	0.61	0.22	35.14	1.82	117.76	0.23	2.73	3.01	37.80	123.73	161.53	NPK	1132	SAG
33-138-7-AB	970819	14:30	S	20.00	301.0	7.6	7.97	0.71	0.45	53.59	4.34	241.62	0.32	2.88	10.92	59.09	255.75	314.84	NPK	1300	SAG2
34-02-1-ABC	960124		S (1/s)	10.00	263.0	4.9	8.09	0.71	4.02	19.63	9.10	203.79	1.02	1.81	2.76	33.46	209.38	242.84	NPK	37	AMQ
34-02-1-ABC	960502		S (1/s)	50.00	276.0	4.7	8.03	0.13	0.43	27.01	14.49	175.73	0.20	4.00	3.26	42.06	183.18	225.24	NPK	37	AMQ
34-02-1-ABC	960712	15:00	S (1/s)	60.00	270.0	5.1	7.94	0.15	0.44	29.34	13.63	178.17	0.08	3.44	2.69	43.56	184.37	227.93	NPK	37	AMQ
34-02-1-ABC	961023	14:20	S (1/s)	100.00	279.4	5.1	7.78	0.17	0.39	36.86	14.89	184.27	0.24	3.10	2.89	52.31	190.49	242.80	NPK	37	AMQ
34-02-1-ABC	970514	14:50	S (1/s)	80.00	265.0	5.1	8.00	0.47	0.15	35.07	13.83	170.84	0.33	4.80	2.02	49.52	177.98	227.51	NPK	37	AMQ
34-02-1-ABC	970821	18:00	S (1/s)	50.00	288.0	5.1	7.96	0.33	0.18	33.11	14.05	184.27	0.28	3.71	2.13	47.66	190.39	238.05	NPK	37	AMQ
34-02-3-ECB	960502		S (1/s)	25.00	325.0	6.0	7.98	0.12	0.29	28.51	20.03	207.45	0.35	5.44	4.43	48.95	217.67	266.61	NPK	178	GEIER
34-02-3-ECB	960712	13:00	S (1/s)	30.00	330.0	7.1	7.78	0.11	0.24	30.88	21.01	214.78	0.12	4.17	3.74	52.24	222.81	275.04	NPK	178	GEIER
34-02-3-ECB	961023	12:30	S (1/s)	40.00	333.6	6.8	7.62	0.27	0.24	38.42	21.58	222.10	0.44	3.30	3.83	60.51	229.67	290.18	NPK	178	GEIER
34-02-3-ECB	970514	13:30	S (1/s)	8.00	329.0	6.1	7.87	0.34	0.14	38.07	21.78	213.56	0.43	6.55	3.61	60.34	224.15	284.48	NPK	178	GEIER
34-02-3-ECB	970821	15:00	S (1/s)	10.00	355.0	7.3	7.77	0.25	0.14	47.31	23.57	228.81	0.31	4.62	3.72	71.27	237.46	308.73	NPK	178	GEIER
34-02-3-GB	960126		HD (1/s)	344.00	283.0	7.0	8.31	0.23	0.07	31.19	7.92	176.34	0.61	3.47	10.16	39.41	190.58	229.99	NPK	181	GOLD
34-02-3-GB	960502		HD (1/s)	3000.00															NPK	181	GOLD
34-02-3-GB	970821	11:00	S (1/s)	500.00	327.0	7.5	7.97	1.64	0.30	48.27	10.95	168.40	1.87	2.18	31.11	61.17	203.55	264.72	NPK	181	GOLD
34-02-3-J	960126		S (1/s)	30.00	252.0	6.8	8.27	0.22	0.07	32.19	7.39	181.83	0.38	1.70	5.26	39.87	189.17	229.04	NPK	176	HAS3
34-02-3-J	960502		S (1/s)	40.00	217.0	6.8	8.19	0.00	0.18	28.19	6.67	130.57	0.02	4.83	4.25	35.05	139.67	174.72	NPK	176	HAS3
34-02-3-J	960712	12:10	S (1/s)	45.00	252.0	7.1	7.99	0.08	0.24	37.67	7.57	161.08	0.16	3.46	4.27	45.57	168.96	214.53	NPK	176	HAS3

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Kurzbez.	Entnahme JJMMTT	Uhrzeit hhmm	Q-Art	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (°C)	pH- Wert	Na ⁺ (mg/l)	K ⁺ (mg/l)	Ca ⁺⁺ (mg/l)	Mg ⁺⁺ (mg/l)	HCO ₃ ⁻ (mg/l)	Cl ⁻ (mg/l)	NO ₃ ⁻ (mg/l)	SO ₄ ⁺⁺ (mg/l)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Labor	GIS_ID	Kurz- name
34-02-3-J	961023	12:00	S (l/s)	40.00	225.3	7.0	7.83	0.21	0.28	40.29	5.02	142.78	0.43	2.83	3.75	45.80	149.78	195.58	NPK	176	HAS3
34-02-3-J	970227	10:00	S (l/s)	40.00	267.0	7.2	7.85	0.81	0.13	43.58	8.63	153.15	0.69	6.42	10.54	53.15	170.80	223.95	NPK	176	HAS3
34-02-3-J	970514	11:00	S (l/s)	30.00	204.0	7.2	8.12	0.22	0.10	33.02	5.07	125.69	0.32	5.69	2.30	38.40	134.00	172.40	NPK	176	HAS3
34-02-3-J	970821	12:15	S (l/s)	35.00	321.0	7.5	8.01	1.65	0.41	45.20	10.14	167.79	1.66	2.50	27.35	57.39	199.31	256.70	NPK	176	HAS3
34-02-4-1-ACA	960502		S	70.00	281.0	5.6	7.89	0.24	0.18	31.13	15.73	179.39	0.20	4.18	3.50	47.28	187.27	234.55	NPK	186	SIQ
34-02-4-1-ACA	960712	13:40	S	80.00	301.0	5.5	7.76	0.18	0.22	26.55	14.38	194.03	0.01	2.73	3.06	41.32	199.83	241.15	NPK	186	SIQ
34-02-4-1-ACA	970514	13:50	S	50.00	283.0	5.5	7.82	0.34	0.17	34.21	16.20	183.66	0.31	5.03	2.78	50.91	191.78	242.69	NPK	186	SIQ
34-02-4-1-ACA	970821	15:30	S	25.00	297.0	5.6	7.81	0.23	0.22	43.71	11.54	193.42	0.25	3.55	3.98	55.70	201.19	256.89	NPK	186	SIQ
34-02-4-2-DBC	960126		S (l/s)	2.00	239.0	5.0	8.29	0.27	0.16	35.77	4.35	155.59	0.72	6.29	4.25	40.55	166.85	207.40	NPK	368	AHO
34-02-4-2-DBC	960502		S (l/s)	25.00	206.0	5.4	8.17	0.11	0.25	30.30	5.91	117.76	0.16	8.13	4.26	36.57	130.31	166.88	NPK	368	AHO
34-02-4-2-DBC	960712	10:30	S (l/s)	30.00	224.0	5.7	8.03	0.90	0.26	23.40	6.34	137.29	0.96	6.31	3.78	30.90	148.33	179.23	NPK	368	AHO
34-02-4-2-DBC	961023	10:30	S (l/s)	30.00	210.6	5.7	7.93	0.16	0.27	36.23	5.48	131.79	0.31	4.53	3.84	42.14	140.47	182.61	NPK	368	AHO
34-02-4-2-DBC	970227	12:00	S (l/s)	10.00	284.0	5.1	7.98	0.38	0.17	40.92	6.58	148.27	0.40	10.16	3.65	48.03	162.48	210.51	NPK	368	AHO
34-02-4-2-DBC	970514	12:00	S (l/s)	5.00	195.0	5.5	8.14	0.24	0.13	33.40	3.96	103.73	0.34	6.57	2.74	37.74	113.38	151.12	NPK	368	AHO
34-02-4-2-DBC	970821	13:15	S (l/s)	10.00	227.0	6.0	8.05	0.27	0.16	38.80	4.33	139.12	0.26	3.96	3.58	43.55	146.92	190.48	NPK	368	AHO
34-02-4-2-F	960126		S	5.00	305.0	6.4	8.25	0.23	0.09	26.20	7.84	213.56	0.28	2.31	2.79	34.36	218.94	253.30	NPK	360	JOEA
34-02-4-2-F	960502		S	20.00	232.0	6.5	8.07	0.16	0.61	28.63	7.91	140.34	0.00	4.88	3.82	37.30	149.04	186.34	NPK	360	JOEA
34-02-4-2-F	960712	11:00	S	50.00	288.0	6.9	7.96	0.19	0.30	35.85	9.65	183.05	0.07	3.30	3.11	46.00	189.53	235.53	NPK	360	JOEA
34-02-4-2-F	961023	11:00	S (l/s)	40.00	273.5	7.0	7.79	0.18	0.30	43.68	9.65	176.95	0.18	2.68	3.70	53.82	183.51	237.33	NPK	360	JOEA
34-02-4-2-F	970227	12:30	S (l/s)	15.00	258.0	6.4	8.01	0.43	0.22	40.98	8.34	156.81	0.51	8.30	3.22	49.98	168.85	218.83	NPK	360	JOEA
34-02-4-2-F	970514	12:20	S (l/s)	15.00	229.0	6.4	8.09	0.32	0.21	36.46	6.90	147.66	0.34	4.91	2.45	43.88	155.36	199.24	NPK	360	JOEA
34-02-4-2-F	970821	13:45	S (l/s)	10.00	324.0	7.5	7.97	0.61	0.30	45.91	18.13	205.62	0.38	4.45	4.08	64.96	214.52	279.48	NPK	360	JOEA
34-02-4-2-I	960126		S	12.00	301.0	6.6	8.16	0.31	0.17	29.50	10.91	194.64	0.46	3.82	4.96	40.89	203.88	244.77	NPK	359	JOEQ
34-02-4-2-I	960502		S	60.00	289.0	7.0	8.11	0.19	0.28	37.44	12.72	176.95	0.21	5.78	5.10	50.63	188.04	238.67	NPK	359	JOEQ
34-02-4-2-I	960712	11:30	S	100.00	297.0	6.9	8.02	0.29	0.32	30.82	12.55	186.10	0.23	5.52	4.72	43.98	196.58	240.55	NPK	359	JOEQ
34-02-4-2-I	961023	11:30	S	100.00	305.0	6.7	7.97	0.31	0.29	47.03	12.30	194.03	0.31	5.20	4.95	59.93	204.49	264.42	NPK	359	JOEQ
34-02-4-2-I	970227	13:00	S	30.00	296.0	6.4	7.85	0.45	0.29	41.06	11.52	180.61	0.52	7.99	4.34	53.33	193.46	246.79	NPK	359	JOEQ
34-02-4-2-I	970514	12:40	S	50.00	287.0	7.2	7.88	0.45	0.34	40.81	12.12	178.78	0.40	6.71	4.49	53.71	190.37	244.08	NPK	359	JOEQ
34-02-4-2-I	970821	14:00	S	30.00	301.0	7.6	7.92	0.40	0.37	42.60	12.45	187.93	0.33	5.75	4.55	55.81	198.55	254.37	NPK	359	JOEQ
34-09-C	960126		S	50.00	323.0	4.5	8.11	0.63	0.21	33.01	11.72	197.69	0.41	2.29	8.36	45.57	208.75	254.32	NPK	419	PRED-N
34-09-C	960502		S	200.00	259.0	7.0	8.03	0.17	0.46	31.82	9.95	155.59	0.33	4.72	8.58	42.39	169.22	211.61	NPK	419	PRED-N
34-09-C	960712	18:30	S	250.00	303.0	7.6	7.94	0.21	0.40	32.67	12.44	186.10	0.15	4.25	6.02	45.72	196.52	242.23	NPK	419	PRED-N
34-09-C	970227	09:30	S	50.00	282.0		7.81	0.83	0.24	42.95	11.23	167.79	0.49	7.85	8.15	55.25	184.28	239.53	NPK	419	PRED-N
34-09-C	970514	10:30	S	150.00	263.0	7.7	8.10	0.92	0.23	38.76	9.74	156.81	0.52	4.74	8.71	49.65	170.79	220.43	NPK	419	PRED-N
34-09-C	970821	09:50	S	100.00	333.0	10.3	8.10	1.09	0.50	40.36	11.66	200.74	0.66	3.40	14.42	53.61	219.22	272.82	NPK	419	PRED-N
34-09-E	970514	10:00	S	1.00	402.0	8.4	7.66	1.26	0.31	47.64	24.16	250.78	1.08	5.69	11.38	73.38	268.92	342.30	NPK	858	LILA
34-09-E	970821	09:30	S	0.50	498.0	8.5	7.61	3.34	0.50	61.69	30.60	288.00	3.23	4.08	30.36	96.13	325.66	421.79	NPK	858	LILA
34-16-1-OA	960126		S	8.00	383.0	7.7	7.68	0.22	0.18	39.59	20.30	256.88	0.45	2.95	4.08	60.29	264.36	324.65	NPK	896	WEIS
34-16-1-OA	960502		S	5.00	380.0	7.7	7.71	0.12	0.22	35.43	23.30	247.72	0.38	4.45	5.07	59.07	257.62	316.69	NPK	896	WEIS
34-16-1-OA	960712	09:30	S	10.00	377.0	7.9	7.65	0.12	0.25	31.06	23.76	245.28	0.35	4.28	4.95	55.18	254.87	310.05	NPK	896	WEIS
34-16-1-OA	961023	08:40	S	15.00	384.7	7.7	7.49	0.16	0.26	46.12	24.07	258.10	0.50	4.49	5.05	70.60	268.12	338.72	NPK	896	WEIS

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Hauptbestandteile

Kurzbez.	Entnahme JJMMTT	Uhrzeit hhmm	Q-Art	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (° C)	pH- Wert	Na ⁺ (mg/l)	K ⁺ (mg/l)	Ca ⁺⁺ (mg/l)	Mg ⁺⁺ (mg/l)	HCO ₃ ⁻ (mg/l)	Cl ⁻ (mg/l)	NO ₃ ⁻ (mg/l)	SO ₄ ⁻⁻ (mg/l)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Labor	GIS_ID	Kurz- name
34-16-1-OA	970227	09:00	S	4.00	380.0	7.7	7.45	0.47	0.48	44.35	23.85	253.83	0.44	5.79	4.75	69.15	264.80	333.96	NPK	896	WEIS
34-16-1-OA	970414	15:15	S	4.00	387.0	7.6	7.79	0.30	0.18	44.74	23.48	239.79	0.77	4.70	5.06	68.69	250.32	319.01	NPK	896	WEIS
34-16-1-OA	970414	18:00	S	4.00	389.0	7.6	7.77	0.27	0.23	45.65	24.02	247.11	0.44	4.52	5.01	70.17	257.09	327.26	NPK	896	WEIS
34-16-1-OA	970414	21:00	S	4.00	389.0	7.6	7.79	0.29	0.23	46.14	24.40	248.94	0.41	4.58	4.79	71.06	258.72	329.77	NPK	896	WEIS
34-16-1-OA	970415	00:00	S	4.00	389.0	7.6	7.78	0.28	0.20	44.81	23.81	249.56	0.41	4.53	4.94	69.10	259.43	328.53	NPK	896	WEIS
34-16-1-OA	970415	03:00	S	4.00	389.0	7.6	7.77	0.25	0.25	48.29	26.05	249.56	0.40	4.59	4.74	74.84	259.29	334.12	NPK	896	WEIS
34-16-1-OA	970415	06:00	S	4.00	389.0	7.6	7.78	1.49	0.22	44.88	24.19	249.56	0.37	4.51	4.88	70.78	259.31	330.09	NPK	896	WEIS
34-16-1-OA	970415	09:00	S	4.00	389.0	7.6	7.79	0.27	0.22	44.12	23.87	245.28	0.41	4.66	4.65	68.48	255.01	323.48	NPK	896	WEIS
34-16-1-OA	970415	12:00	S	5.00	388.0	7.6	7.68	0.25	0.20	45.11	23.79	242.23	0.38	4.62	4.61	69.35	251.85	321.20	NPK	896	WEIS
34-16-1-OA	970415	15:00	S	5.00	385.0	7.6	7.68	0.49	0.58	44.26	23.54	241.01	0.38	4.54	4.70	68.87	250.63	319.49	NPK	896	WEIS
34-16-1-OA	970415	18:00	S	5.00	381.0	7.6	7.68	0.26	0.20	44.94	23.65	250.17	0.40	4.53	4.78	69.05	259.87	328.92	NPK	896	WEIS
34-16-1-OA	970415	21:00	S	5.00	378.0	7.6	7.68	0.40	0.46	43.88	23.51	25.02	0.42	4.58	4.80	68.25	34.82	103.07	NPK	896	WEIS
34-16-1-OA	970416	00:00	S	4.00	378.0	7.6	7.67	0.29	0.27	44.96	23.95	245.89	0.42	4.70	4.98	69.47	256.00	325.46	NPK	896	WEIS
34-16-1-OA	970416	06:00	S	4.00	379.0	7.6	7.70	1.23	0.26	43.14	22.87	247.11	0.41	4.63	5.05	67.49	257.21	324.70	NPK	896	WEIS
34-16-1-OA	970416	12:00	S	4.00	382.0	7.6	7.69	0.27	0.19	45.63	24.15	246.50	0.41	4.59	4.96	70.23	256.47	326.70	NPK	896	WEIS
34-16-1-OA	970416	18:00	S	4.00	382.0	7.6	7.69	0.27	0.24	45.50	24.33	247.11	0.58	4.56	4.80	70.33	257.06	327.39	NPK	896	WEIS
34-16-1-OA	970417	00:00	S	4.00	384.0	7.6	7.70	0.27	0.21	46.76	24.21	247.72	0.44	4.60	4.81	71.46	257.57	329.03	NPK	896	WEIS
34-16-1-OA	970417	06:00	S	4.00	388.0	7.6	7.70	0.23	0.18	44.91	23.90	246.50	0.24	4.55	5.02	69.22	256.32	325.54	NPK	896	WEIS
34-16-1-OA	970417	12:00	S	4.00	388.0	7.6	7.70	0.27	0.21	44.83	24.35	250.17	0.40	4.65	4.95	69.66	260.17	329.83	NPK	896	WEIS
34-16-1-OA	970514	09:30	S	3.00	386.0	7.8	7.70	0.26	0.21	45.36	24.22	252.61	0.45	6.33	4.72	70.06	264.10	334.16	NPK	896	WEIS
34-16-1-OA	970705	15:00	S	2.50	374.0	7.7	7.67	0.50	0.34	45.71	24.34	245.89	0.71	6.80	5.09	70.89	258.49	329.38	NPK	896	WEIS
34-16-1-OA	970705	18:00	S	2.50	383.0	7.7	7.69	0.30	0.22	43.18	23.12	248.94	0.41	5.28	4.93	66.82	259.56	326.38	NPK	896	WEIS
34-16-1-OA	970705	21:00	S	2.50	383.0	7.7	7.70	0.24	0.21	46.00	24.97	219.66	0.45	5.39	4.73	71.43	230.22	301.65	NPK	896	WEIS
34-16-1-OA	970706	00:00	S	2.50	383.0	7.7	7.70	0.28	0.24	45.87	24.73	246.50	0.42	5.34	4.90	71.11	257.17	328.28	NPK	896	WEIS
34-16-1-OA	970706	03:00	S	3.00	382.0	7.8	7.68	0.26	0.26	41.36	22.61	229.42	0.41	5.47	4.27	64.50	239.57	304.07	NPK	896	WEIS
34-16-1-OA	970706	06:00	S	3.00	369.0	7.8	7.67	0.68	0.41	39.58	21.44	230.64	0.27	3.69	3.10	62.11	237.70	299.81	NPK	896	WEIS
34-16-1-OA	970706	09:00	S	3.00	370.0	7.7	7.70	0.37	0.32	39.04	22.25	222.10	0.21	3.52	3.01	61.97	228.84	290.81	NPK	896	WEIS
34-16-1-OA	970706	12:00	S	3.50	367.0	7.8	7.66	0.23	0.18	41.96	23.12	239.79	0.28	4.06	3.44	65.49	247.57	313.06	NPK	896	WEIS
34-16-1-OA	970706	15:00	S	3.50	365.0	7.7	7.64	0.26	0.21	42.33	23.45	242.23	0.28	4.51	3.96	66.25	250.98	317.23	NPK	896	WEIS
34-16-1-OA	970706	18:00	S	3.50	368.0	7.7	7.68	0.26	0.20	43.84	24.01	246.50	0.68	5.01	4.08	68.31	256.26	324.58	NPK	896	WEIS
34-16-1-OA	970706	21:00	S	3.50	371.0	7.7	7.67	0.22	0.17	44.00	24.01	242.84	0.51	4.85	4.15	68.40	252.35	320.76	NPK	896	WEIS
34-16-1-OA	970707	00:00	S	3.50	374.0	7.7	7.68	0.32	0.32	44.85	23.87	244.67	0.37	5.14	4.39	69.36	254.56	323.93	NPK	896	WEIS
34-16-1-OA	970707	03:00	S	3.50	376.0	7.7	7.65	0.35	0.37	44.16	23.93	259.32	0.38	5.31	4.45	68.80	269.46	338.26	NPK	896	WEIS
34-16-1-OA	970707	06:00	S	3.50	377.0	7.7	7.68	0.22	0.16	44.28	24.02	247.11	0.43	5.28	4.56	68.68	257.38	326.06	NPK	896	WEIS
34-16-1-OA	970707	09:00	S	3.50	378.0	7.7	7.69	0.37	0.38	43.40	23.96	250.17	0.42	5.39	4.52	68.10	260.49	328.59	NPK	896	WEIS
34-16-1-OA	970707	12:00	S	3.50	379.0	7.8	7.69	0.22	0.16	42.07	23.27	244.67	0.37	5.11	4.46	65.71	254.61	320.33	NPK	896	WEIS
34-16-1-OA	970707	15:00	S	3.50	378.0	7.8	7.69	0.32	0.33	41.04	22.76	238.57	0.37	4.74	4.22	64.45	247.90	312.35	NPK	896	WEIS
34-16-1-OA	970707	18:00	S	3.50	374.0	7.8	7.80	0.32	0.37	43.52	24.22	233.08	0.52	4.14	3.69	68.43	241.43	309.86	NPK	896	WEIS
34-16-1-OA	970707	21:00	S	3.50	366.0	7.7	7.61	0.53	0.53	42.44	23.25	246.50	0.34	4.20	3.56	66.75	254.60	321.35	NPK	896	WEIS
34-16-1-OA	970708	00:00	S	3.50	364.0	7.7	7.62	0.29	0.30	44.37	24.07	241.01	0.33	4.38	3.65	69.03	249.38	318.40	NPK	896	WEIS
34-16-1-OA	970708	03:00	S	3.50	363.0	7.7	7.60	0.21	0.14	43.85	24.01	241.01	0.56	4.72	4.02	68.21	250.31	318.52	NPK	896	WEIS

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Hauptbestandteile

Kurzbez.	Entnahme JJMMTT	Uhrzeit hhmm	Q-Art	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (° C)	pH- Wert	Na ⁺ (mg/l)	K ⁺ (mg/l)	Ca ⁺⁺ (mg/l)	Mg ⁺⁺ (mg/l)	HCO ₃ ⁻ (mg/l)	Cl ⁻ (mg/l)	NO ₃ ⁻ (mg/l)	SO ₄ ⁻⁻ (mg/l)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Labor	GIS_ID	Kurz- name
34-16-1-OA	970708	06:00	S	3.50	368.0	7.7	7.64	0.48	0.28	44.13	23.92	241.62	0.21	4.99	4.17	68.81	251.00	319.80	NPK	896	WEIS
34-16-1-OA	970708	09:00	S	3.00	373.0	7.7	7.64	0.28	0.24	46.33	24.49	250.17	0.38	5.19	4.32	71.34	260.05	331.39	NPK	896	WEIS
34-16-1-OA	970708	12:00	S	3.00	374.0	7.7	7.65	0.31	0.21	43.98	24.11	246.50	0.23	5.23	4.32	68.61	256.28	324.89	NPK	896	WEIS
34-16-1-OA	970708	15:00	S	3.00	375.0	7.7	7.66	0.19	0.16	47.94	25.97	247.11	0.41	5.32	4.35	74.26	257.20	331.46	NPK	896	WEIS
34-16-1-OA	970708	18:00	S	3.00	377.0	7.7	7.62	0.19	0.14	41.74	22.67	247.11	0.41	5.34	4.50	64.75	257.36	322.11	NPK	896	WEIS
34-16-1-OA	970708	21:00	S	3.00	379.0	7.7	7.66	0.23	0.18	44.81	24.30	266.03	0.49	5.31	4.49	69.51	276.32	345.83	NPK	896	WEIS
34-16-1-OA	970709	00:00	S	3.00	379.0	7.7	7.66	0.22	0.17	46.56	24.44	248.33	0.28	5.37	4.50	71.38	258.48	329.87	NPK	896	WEIS
34-16-1-OA	970709	03:00	S	3.00	380.0	7.7	7.67	0.24	0.20	46.43	24.36	247.11	0.46	5.46	4.61	71.23	257.64	328.87	NPK	896	WEIS
34-16-1-OA	970709	06:00	S	3.00	380.0	7.7	7.67	0.20	0.15	45.65	24.57	249.56	0.55	5.36	4.61	70.57	260.07	330.64	NPK	896	WEIS
34-16-1-OA	970709	12:00	S	3.00	383.0	7.7	7.69	0.33	0.36	45.79	24.58	249.56	0.14	5.37	4.83	71.07	259.89	330.96	NPK	896	WEIS
34-16-1-OA	970709	18:00	S	2.50	382.0	7.7	7.65	0.26	0.21	44.69	24.20	261.76	0.45	5.31	4.60	69.35	272.12	341.47	NPK	896	WEIS
34-16-1-OA	970710	00:00	S	2.50	384.0	7.7	7.64	0.26	0.20	45.37	24.52	250.17	0.47	5.41	4.68	70.35	260.73	331.08	NPK	896	WEIS
34-16-1-OA	970710	06:00	S	2.50	384.0	7.7	7.66	0.24	0.17	49.36	23.89	249.56	0.44	5.48	4.68	73.66	260.16	333.82	NPK	896	WEIS
34-16-1-OA	970710	12:00	S	2.50	384.0	7.7	7.70	0.29	0.30	44.74	24.37	248.33	0.44	5.55	4.84	69.70	259.17	328.87	NPK	896	WEIS
34-16-1-OA	970710	18:00	S	2.50	382.0	7.7	7.65	0.25	0.19	45.07	24.52	267.25	0.43	5.30	4.59	70.03	277.58	347.61	NPK	896	WEIS
34-16-1-OA	970711	00:00	S	2.50	381.0	7.7	7.66	0.25	0.19	42.98	23.39	253.22	0.18	5.81	4.65	66.80	263.86	330.66	NPK	896	WEIS
34-16-1-OA	970711	06:00	S	2.50	386.0	7.7	7.66	0.23	0.15	45.01	24.47	250.17	0.49	5.90	4.72	69.85	261.28	331.13	NPK	896	WEIS
34-16-1-OA	970711	12:00	S	2.50	385.0	7.7	7.68	0.37	0.28	44.99	24.42	264.20	0.40	5.32	4.85	70.06	274.77	344.83	NPK	896	WEIS
34-16-1-OA	970711	18:00	S	2.50	386.0	7.7	7.66	0.23	0.19			252.61	0.46	5.76	4.65	0.42	263.46	263.89	NPK	896	WEIS
34-16-1-OA	970821	09:00	S	7.00	387.0	7.8	7.70	0.25	0.22	45.41	24.25	248.94	0.41	5.57	4.38	70.12	259.30	329.42	NPK	896	WEIS
35-01-	960710	17:45	S	1000.00	167.0	4.7	8.01	0.00	0.12	24.78	4.83	107.39	0.00	1.71	1.48	29.72	110.57	140.29	NPK	A122	STUR
35-01-	961024	11:30	S	1000.00	157.4	4.5	8.05	0.07	0.44	28.71	3.30	97.02	0.63	1.73	1.77	32.52	101.14	133.66	NPK	A122	STUR
35-20-BA	970513	10:30	HD (1/s)	2640.00	165.0	6.2	8.26	0.30	0.13	27.56	3.55	101.29	0.26	4.49	1.50	31.54	107.54	139.08	NPK	280	VRT
35-20-BBA	960124		HD (1/s)	100.00	236.0	7.0	8.17	0.15	0.16	23.73	6.04	158.64	0.38	2.93	2.98	30.08	164.93	195.01	NPK	B1211	VRQ
35-20-BBA	960503		HD (1/s)	1700.00	171.0	6.0	8.24	0.00	0.11	27.18	5.76	106.17	0.00	4.46	2.42	33.05	113.05	146.10	NPK	B1211	VRQ
35-20-BBA	960710	10:50	HD (1/s)	175.00	205.0	6.3	8.13	0.00	0.18	27.36	5.66	128.13	0.00	3.00	2.57	33.20	133.70	166.89	NPK	B1211	VRQ
35-20-BBA	961024	11:30	HD (1/s)	991.00	190.9	6.3	7.90	0.79	0.24	34.09	4.89	119.59	1.33	2.13	2.49	40.01	125.54	165.55	NPK	B1211	VRQ
35-20-BBA	970225	11:00	HD (1/s)	692.00	230.0	6.7	7.98	0.72	0.58	39.25	6.14	138.51	0.34	7.28	2.53	46.69	148.66	195.35	NPK	B1211	VRQ
35-20-BBA	970819	10:30	HD (1/s)	303.00	229.0	7.0	8.16	0.24	0.24	35.03	6.88	143.39	0.22	4.00	3.09	42.39	150.69	193.08	NPK	B1211	VRQ
35-27-AB	960124		S (1/s)	15.00	397.0	5.2	7.91	0.17	0.10	26.66	12.75	240.40	0.62	4.79	4.65	39.68	250.46	290.14	NPK	A051	RIEG1A
35-27-AB	960503		S (1/s)	40.00	354.0	7.8	7.88	0.14	0.32	32.34	18.95	218.44	0.68	7.29	6.69	51.75	233.10	284.85	NPK	A051	RIEG1A
35-27-AB	960710	19:10	S (1/s)	40.00	359.0	8.5	7.75	0.14	0.43	28.95	19.50	225.76	0.42	5.94	5.93	49.02	238.04	287.07	NPK	A051	RIEG1A
35-27-AC	961024	09:30	S (1/s)	40.00	361.1	7.9	7.62	0.21	0.40	46.99	19.98	229.42	0.71	6.46	6.22	67.59	242.81	310.39	NPK	A050	RIEG
35-27-AC	970225	09:45	S (1/s)	15.00	353.0	7.9	7.90	0.56	0.23	46.40	19.57	219.66	0.67	10.12	6.45	66.76	236.90	303.66	NPK	A050	RIEG
35-27-AC	970513	10:00	S (1/s)	30.00	358.0	8.1	7.90	0.20	0.57	47.88	19.84	225.15	0.49	8.59	5.61	68.49	239.84	308.33	NPK	A050	RIEG
35-27-AC	970819	09:15	S (1/s)	20.00	359.0	8.2	7.83	0.37	0.20	42.98	17.65	228.20	0.59	7.97	6.15	61.20	242.91	304.12	NPK	A050	RIEG
35-28-DAA	960124		S (1/s)	5.00	293.0	5.7	8.12	0.16	0.16	24.96	5.42	187.93	0.46	4.90	4.98	30.70	198.27	228.97	NPK	272	EFF
35-28-DAA	960503		S (1/s)	20.00	281.0	7.0	8.01	0.07	0.40	34.28	5.85	164.74	0.49	10.06	6.20	40.59	181.49	222.08	NPK	272	EFF
35-28-DAA	960710	19:30	S (1/s)	15.00	295.0	7.0	7.74	0.18	0.32	37.77	6.08	178.78	0.29	6.79	5.10	44.35	190.95	235.30	NPK	272	EFF
35-28-DAA	961024	09:00	S (1/s)	15.00	319.8	7.1	7.54	0.18	0.29	59.60	5.42	195.86	0.45	4.77	5.73	65.49	206.82	272.30	NPK	272	EFF
35-28-DAA	970225	10:15	S (1/s)	8.00	281.0	7.2	7.70	0.33	0.17	52.72	5.40	165.96	0.52	11.63	5.14	58.62	183.26	241.88	NPK	272	EFF

NATIONALPARK KALKALPEN
Planungsabschnitt Ost
 Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Hauptbestandteile

Kurzbez.	Entnahme JJMMTT	Uhrzeit hhmm	Q-Art	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (° C)	pH- Wert	Na ⁺ (mg/l)	K ⁺ (mg/l)	Ca ⁺⁺ (mg/l)	Mg ⁺⁺ (mg/l)	HCO ₃ ⁻ (mg/l)	Cl ⁻ (mg/l)	NO ₃ ⁻ (mg/l)	SO ₄ ⁻⁻ (mg/l)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Labor	GIS_ID	Kurz- name
35-28-DAA	970513	09:30	S (1/s)	10.00	268.0	7.1	7.95	0.33	0.18	46.77	5.14	161.69	0.46	9.28	4.46	52.41	175.89	228.30	NPK	272	EFF
35-28-DAA	970819	08:45	S (1/s)	5.00	311.0	7.1	7.83	0.51	0.44	52.14	8.22	189.15	0.34	7.43	6.00	61.29	202.91	264.20	NPK	272	EFF
35-34-1-AA	960830	10:30	S	0.50	179.6	2.6	8.26	0.11	0.11	32.49	5.73	107.39	0.01	3.68	2.14	38.44	113.21	151.65	NPK	317	OFEI
35-34-1-AA	970708	12:30	S	2.00	179.0	2.6		0.11	0.11	28.27	5.59	111.05	0.18	4.96	1.43	34.07	117.62	151.69	NPK	317	OFEI
35-34-1-ACB	960422	11:30	S (1/s)	12.00	192.0	3.4	7.91	0.20	0.30	27.40	6.63	115.32	0.27	5.74	3.50	34.53	124.83	159.36	NPK	316	FEIS
35-34-1-ACB	960504		S (1/s)	80.00	186.0	1.4	7.79	0.08	0.16	26.03	6.73	108.00	0.36	4.91	3.53	32.99	116.80	149.79	NPK	316	FEIS
35-34-1-ACB	960711	17:00	S (1/s)	25.00	182.0	6.6	8.24	0.09	0.21	19.98	7.08	114.10	0.00	3.89	2.54	27.36	120.53	147.88	NPK	316	FEIS
35-34-1-ACB	961025	11:00	S (1/s)	30.00	187.0	2.6	8.02	0.14	0.19	31.03	5.41	115.93	0.17	3.28	2.78	36.78	122.17	158.94	NPK	316	FEIS
35-34-1-ACB	970226	12:00	S (1/s)	25.00	205.7	3.6	6.21	0.48	0.13	33.11	6.15	122.03	0.30	5.81	2.71	39.87	130.85	170.72	NPK	316	FEIS
35-34-1-ACB	970515	10:30	S (1/s)	30.00	139.0	2.8	7.60	0.17	0.15	47.06	5.18	93.96	0.21	5.43	1.88	52.56	101.47	154.03	NPK	316	FEIS
35-34-1-ACB	970820	16:30	S (1/s)	30.00	177.4	9.8	7.75	0.27	0.24	27.71	6.02	107.39	0.18	4.01	2.12	34.23	113.69	147.92	NPK	316	FEIS
35-34-1-BCB	960422	12:30	S (1/s)	0.05	294.0	1.5	7.66	0.53	0.86	40.37	5.33	188.54	0.36	2.96	4.69	47.09	196.55	243.64	NPK	775	FEIA
35-34-1-BCB	960829	16:00	S (1/s)	1.00	195.2	16.0	7.62	0.51	0.45	36.18	3.80	122.64	0.09	0.26	2.41	40.94	125.40	166.34	NPK	775	FEIA
35-34-1-BCB	970708	11:00	S (1/s)	10.00	169.0	8.1		0.41	0.23	37.18	11.66	102.51	0.18	1.13	2.50	49.48	106.32	155.80	NPK	775	FEIA
35-34-1-D	960504		S	30.00	171.0	3.7	7.82	0.17	0.18	29.79	4.83	100.07	0.00	4.45	2.86	34.97	107.37	142.34	NPK	314	SONN
35-34-1-D	960711	18:00	S	15.00	228.0	4.5	7.97	0.27	0.34	31.85	5.13	140.34	0.10	3.27	3.37	37.58	147.08	184.67	NPK	314	SONN
35-34-1-D	961025	12:00	S	10.00	222.0	4.9	8.08	0.23	0.33	42.13	3.89	137.29	0.25	2.44	4.14	46.58	144.11	190.69	NPK	314	SONN
35-34-1-D	970226	12:30	S (1/s)	3.00	222.4	4.4	7.96	0.72	0.26	40.58	3.93	126.30	0.69	15.27	3.87	45.50	146.12	191.61	NPK	314	SONN
35-34-1-D	970515	09:45	S (1/s)	15.00	126.0	3.7	7.72	0.18	0.17	25.95	2.57	86.64	0.24	3.71	1.48	28.86	92.08	120.94	NPK	314	SONN
35-34-1-D	970820	16:00	S	5.00	263.0	5.3	7.68	0.61	0.40	47.79	6.01	171.45	0.47	4.30	3.92	54.82	180.15	234.97	NPK	314	SONN
35-34-1-ED	960504		S	200.00	194.0	4.5	8.02	0.21	0.21	27.29	6.98	114.71	0.27	5.73	2.86	34.69	123.57	158.26	NPK	298	NIQ
35-34-2-CA	960125		HD	7.00	226.0	5.3	8.41	0.23	0.17	19.05	8.45	148.88	0.53	4.34	3.72	27.90	157.47	185.37	NPK	A063	KALT
35-34-2-CA	960504		HD	143.00	183.0	4.9	8.11	0.08	0.10	21.20	9.01	109.22	0.00	5.32	3.40	30.39	117.94	148.32	NPK	A063	KALT
35-34-2-CA	960711	08:00	S	50.00	219.0	6.2	8.11	0.12	0.14	23.67	10.84	137.90	0.00	3.83	2.85	34.77	144.58	179.35	NPK	A063	KALT
35-34-2-CA	961024	08:00	S (1/s)	40.00	222.4	7.4	8.08	0.11	0.15	30.52	10.09	139.73	0.22	3.06	2.82	40.87	145.83	186.70	NPK	A063	KALT
35-34-2-CA	970226	08:00	HD (1/s)	123.00	219.0	6.8	8.04	0.28	0.13	30.96	10.74	134.23	0.52	8.20	2.81	42.10	145.76	187.87	NPK	A063	KALT
35-34-2-CA	970513	07:45	HD (1/s)	102.00	184.1	5.3	8.31	0.21	0.12	24.36	8.72	114.10	0.28	5.84	2.08	33.41	122.30	155.71	NPK	A063	KALT
35-34-2-CA	970820	18:30	S (1/s)	50.00	235.0	6.9	8.36	0.64	0.53	30.57	11.41	148.88	0.15	4.02	2.46	43.15	155.51	198.67	NPK	A063	KALT
35-34-7-BA	960125		HD (1/s)	0.00															NPK	310	PALT
35-34-7-BA	960504		HD (1/s)	416.00	264.0	6.2	7.92	0.15	0.23	27.68	12.39	161.69	0.16	5.60	4.62	40.46	172.07	212.52	NPK	310	PALT
35-34-7-BA	960711	09:00	S	80.00	263.0	6.5	7.93	0.14	0.23	38.77	12.67	161.69	0.04	5.45	4.68	51.81	171.86	223.67	NPK	310	PALT
35-34-7-BA	961022	18:00	S	300.00	275.5	7.0	7.84	0.11	0.28	39.56	12.43	172.06	0.12	3.81	4.52	52.38	180.52	232.89	NPK	310	PALT
35-34-7-BA	970226	08:45	HD (1/s)	71.00	264.0	6.5	7.80	0.47	0.20	39.35	12.28	170.23	0.27	5.26	4.48	52.30	180.25	232.54	NPK	310	PALT
35-34-7-BA	970513	08:30	HD (1/s)	423.00	251.7	6.5	8.03	0.69	0.75	34.47	11.25	158.64	0.30	6.41	3.70	47.17	169.06	216.22	NPK	310	PALT
35-34-7-BA	970820	18:00	S	0.20	252.0	7.1	8.01	0.31	0.27	47.79	15.07	158.64	0.23	5.11	3.78	63.43	167.75	231.18	NPK	310	PALT
35-34-7-DA	960125		S	25.00	322.0	7.2	7.92	0.24	0.19	28.03	8.92	206.84	0.59	6.12	6.82	37.38	220.37	257.75	NPK	308	RAMS
35-34-7-DA	960504		S	10.00	287.0	7.4	7.90	0.20	0.29	34.60	12.14	171.45	0.37	9.35	5.80	47.24	186.97	234.21	NPK	308	RAMS
35-34-7-DA	960711	09:30	S	30.00	286.0	7.1	7.90	0.17	0.28	30.42	11.21	172.06	0.26	8.91	5.22	42.09	186.46	228.55	NPK	308	RAMS
35-34-7-DA	961022	17:45	S	80.00	269.6	7.2	7.78	0.12	0.29	43.02	9.64	162.30	0.32	8.12	4.29	53.07	175.04	228.11	NPK	308	RAMS
35-34-7-DA	970226	09:15	S	15.00	314.0	7.3	7.66	0.83	0.24	44.77	14.72	190.98	0.64	9.71	5.85	60.56	207.18	267.74	NPK	308	RAMS
35-34-7-DA	970513	09:00	S	30.00	287.6	7.3	7.95	0.42	0.22	40.57	12.30	175.73	0.93	12.12	5.28	53.50	194.06	247.55	NPK	308	RAMS

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Hauptbestandteile

Kurzbez.	Entnahme JJMMT	Uhrzeit hhmm	Q-Art	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (°C)	pH- Wert	Na ⁺ (mg/l)	K ⁺ (mg/l)	Ca ⁺⁺ (mg/l)	Mg ⁺⁺ (mg/l)	HCO ₃ ⁻ (mg/l)	Cl ⁻ (mg/l)	NO ₃ ⁻ (mg/l)	SO ₄ ⁺⁺ (mg/l)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Labor	GIS_ID	Kurz- name
35-34-7-DA	970820	17:30	S	25.00	312.0	7.3	7.86	0.69	0.44	43.23	15.13	189.15	0.46	9.52	6.10	59.50	205.22	264.72	NPK	308	RAMS
35-43-AB	960125		S (1/s)	15.00	339.0	6.8	7.98	0.62	0.27	49.55	7.63	201.35	1.32	10.77	12.23	58.07	225.67	283.74	NPK	520	RIM
35-43-AB	960503		S (1/s)	25.00	311.0	7.9	8.14	0.18	0.50	41.03	7.30	169.62	0.77	12.61	9.29	49.01	192.29	241.30	NPK	520	RIM
35-43-AB	960713	12:30	S (1/s)	25.00	318.0	8.9	7.97	0.22	0.50	46.51	6.76	184.27	0.67	11.92	9.56	53.98	206.41	260.39	NPK	520	RIM
35-43-AB	961022	16:45	S (1/s)	15.00	324.7	7.9	7.78	0.18	0.42	61.23	5.40	194.03	0.55	8.78	6.67	67.23	210.03	277.25	NPK	520	RIM
35-43-AB	970226	16:00	S (1/s)	15.00	343.0	8.0	7.78	0.89	0.28	58.88	8.38	192.81	1.35	12.50	12.75	68.43	219.40	287.82	NPK	520	RIM
35-43-AB	970515	15:20	S (1/s)	15.00	333.0	8.3	7.96	0.79	0.34	55.83	7.13	184.88	1.33	14.07	11.91	64.09	212.19	276.29	NPK	520	RIM
35-43-AB	970820	16:40	S (1/s)	15.00	338.0	8.2	7.96	0.89	0.37	55.68	7.53	187.93	1.24	12.79	12.69	64.47	214.65	279.12	NPK	520	RIM
36-01-	961024	16:30	PG		243.0	6.3	7.82	0.35	3.01	45.34	2.61	128.74	5.00	2.31	12.38	51.31	148.43	199.74	NPK	A134	TEIU
36-01-	970225	14:45	HD (1/s)	241.00	393.0	7.1	7.80	19.37	0.71	56.83	5.82	140.34	30.14	5.51	40.58	82.73	216.56	299.30	NPK	A134	TEIU
36-01-	970513	18:00	HD (1/s)	1050.00	177.0	5.2	8.19	1.49	0.24	31.43	1.50	100.68	1.74	2.57	5.18	34.66	110.16	144.82	NPK	A134	TEIU
36-01-	970819	16:30	PG		309.0	7.3	7.94	8.09	0.57	48.64	3.60	136.07	11.42	2.44	27.75	60.89	177.67	238.56	NPK	A134	TEIU
36-06-13-BA	961024	15:00	S	0.25	172.9	9.2	7.43												NPK	A125	TROJ2
36-06-13-BB	961024	15:00	S	0.10	2528.7	8.8	7.07	1.31	14.15	608.05	48.78	308.74	8.69	0.00	1345.40	672.29	1662.83	2335.12	NPK	A091	TROJ
36-06-4-ABA	960124		S	15.00	378.0	3.6	8.56	1.38	0.15	53.92	12.14	147.05	0.33	0.61	40.95	67.59	188.94	256.53	NPK	841	DAMU-T
36-06-4-ADA	960503		S (1/s)	300.00	333.0	5.2	8.04	0.21	0.88	41.69	12.82	142.17	1.22	3.98	48.60	55.60	195.96	251.57	NPK	A084	DAMU
36-06-4-ADA	960710	14:10	S (1/s)	100.00	332.0	5.2	7.79	0.21	0.94	37.80	12.51	147.66	1.07	3.16	53.71	51.46	205.60	257.06	NPK	A084	DAMU
36-06-4-ADA	961023	17:45	S (1/s)	250.00	334.5	5.6	7.80	0.24	0.81	48.39	12.39	148.88	0.88	2.69	47.23	61.83	199.68	261.51	NPK	A084	DAMU
36-06-4-ADA	970225	11:15	HD (1/s)	50.00	393.0	5.2	7.81	1.91	0.22	60.10	13.22	142.17	2.31	3.49	84.96	75.46	232.92	308.38	NPK	A084	DAMU
36-06-4-ADA	970513	16:15	HD (1/s)	313.00	318.0	5.2	8.11	0.99	0.36	44.30	11.79	145.22	1.03	3.82	46.16	57.43	196.22	253.65	NPK	A084	DAMU
36-06-4-ADA	970819	15:30	S (1/s)	50.00	334.0	5.3	8.02	1.12	0.34	46.19	11.35	136.07	1.17	3.32	54.82	59.01	195.36	254.37	NPK	A084	DAMU
36-06-6-CD	960124		S	20.00	374.0	8.5	7.70	1.04	0.27	33.05	14.08	225.15	0.54	1.14	10.37	48.44	237.20	285.64	NPK	1161	ROSE
36-06-6-CD	960503		S	40.00	335.0	8.2	7.72	0.25	0.85	41.62	12.47	200.13	0.76	2.71	16.23	55.19	219.84	275.03	NPK	1161	ROSE
36-06-6-CD	960710	15:40	S	50.00	304.0	7.7	7.44	0.26	0.56	32.71	5.91	185.49	0.39	1.86	7.24	39.44	194.97	234.42	NPK	1161	ROSE
36-06-6-CD	961023	18:10	S	50.00	323.7	7.4	7.46	0.24	0.53	62.59	5.06	198.91	0.54	1.30	11.30	68.42	212.05	280.47	NPK	1161	ROSE
36-06-6-CD	970225	14:15	S	25.00	342.0	8.5	8.50	1.09	0.41	54.72	12.13	205.01	0.67	3.33	14.66	68.34	223.67	292.01	NPK	1161	ROSE
36-06-6-CD	970513	16:50	S	40.00	341.0	8.2	7.83	1.06	0.46	50.08	13.01	203.18	1.13	2.96	15.20	64.61	222.46	287.07	NPK	1161	ROSE
36-06-6-CD	970819	16:00	S	30.00	378.0	8.3	7.73	1.28	0.58	52.78	17.26	234.30	0.91	2.41	20.38	71.88	258.00	329.88	NPK	1161	ROSE
36-08-1-A	960124		HD	430.00	209.0	5.7	8.20	0.51	0.22	26.89	9.00	136.68	0.41	1.31	2.15	36.62	140.55	177.17	NPK	839	PIES
36-08-1-A	960503		HD	4000.00	171.0	4.7	8.27	0.08	0.11	25.18	6.41	102.51	0.00	3.44	2.12	31.78	108.07	139.85	NPK	839	PIES
36-08-1-A	960710	16:30	PG		188.0	4.7	7.99	0.00	0.13	21.71	6.83	122.64	0.00	2.12	2.02	28.67	126.78	155.45	NPK	839	PIES
36-08-1-A	961024	12:45	PG		183.0	4.8	8.05	0.08	0.14	30.39	5.77	116.54	0.16	2.06	2.22	36.38	120.97	157.35	NPK	839	PIES
36-08-1-A	970225	17:00	PG		207.0	5.8	8.00	0.80	0.14	28.54	9.92	126.91	0.96	3.45	3.45	39.40	134.77	174.17	NPK	839	PIES
36-08-1-A	970513	18:30	HD (1/s)	10300.00	158.0	5.3	8.25	0.32	0.09	24.72	3.66	97.63				28.79	97.63	126.42	NPK	839	PIES
36-08-1-A	970819	19:30	HD (1/s)	2090.00	188.0	5.0	8.27	0.15	0.13	32.30	6.38	124.47	0.18	2.23	1.76	38.96	128.64	167.60	NPK	839	PIES
36-12-1-HA	960124		S (1/s)	8.00	266.0	7.5	8.25	0.18	0.16	27.41	6.31	178.78	0.33	2.10	2.53	34.06	183.74	217.80	NPK	923	FIQ
36-12-1-HA	960503		S (1/s)	15.00	246.0	7.1	8.20	0.06	0.21	35.64	7.82	150.10	0.11	3.77	3.75	43.73	157.73	201.46	NPK	923	FIQ
36-12-1-HA	960710	12:30	S (1/s)	30.00	250.0	7.3	8.11	0.07	0.19	28.31	7.01	152.54	0.08	3.31	3.22	35.57	159.15	194.72	NPK	923	FIQ
36-12-1-HA	970225	15:30	S (1/s)	15.00	242.0	7.3	7.99	0.33	0.13	42.53	6.37	147.66	0.36	5.88	2.56	49.35	156.46	205.80	NPK	923	FIQ
36-12-1-HA	970513	11:45	S (1/s)	10.00	230.0	6.9	8.19	0.50	0.13	37.31	6.12	145.22	0.27	3.89	2.14	44.06	151.52	195.58	NPK	923	FIQ
36-12-1-HA	970819	18:45	S (1/s)	15.00	264.0	7.8	8.05	0.24	0.15	43.05	7.91	169.01	0.28	3.56	2.86	51.35	175.71	227.06	NPK	923	FIQ

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Hauptbestandteile

Kurzbez.	Entnahme JMMTT	Uhrzeit hhmm	Q-Art	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (°C)	pH- Wert	Na ⁺ (mg/l)	K ⁺ (mg/l)	Ca ⁺⁺ (mg/l)	Mg ⁺⁺ (mg/l)	HCO ₃ ⁻ (mg/l)	Cl ⁻ (mg/l)	NO ₃ ⁻ (mg/l)	SO ₄ ⁺⁺ (mg/l)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Labor	GIS_ID	Kurz- name
36-12-1-K	960422	13:45	S	1.50	220.0	5.6	8.11	0.00	0.13	33.31	7.04	136.07	0.18	3.33	3.32	40.49	142.89	183.38	NPK	928	MKG
36-12-2-AA	960830	12:30	S	0.10	184.5	6.3	8.22	0.00	0.10	35.44	5.12	122.03	0.00	1.87	1.93	40.66	125.83	166.50	NPK	107	MERK
36-12-2-AA	970708	14:15	S	0.50	171.0	4.3		0.09	0.05	10.25	1.23	106.17	0.14	3.46	0.97	11.62	110.74	122.35	NPK	107	MERK
36-12-2-AB	960830	13:30	S (1/s)	0.02	268.0	9.7	8.39	0.00	0.16	48.02	7.91	179.39	0.02	0.54	1.98	56.08	181.92	238.01	NPK	A097	BUW
36-12-2-AB	970708	15:15	S (1/s)	0.03	209.0	7.0		0.24	0.27	27.34	5.56	132.40	0.17	1.24	1.13	33.41	134.95	168.36	NPK	A097	BUW
36-12-2-AE	960423	13:00	S (1/s)	0.50	228.0	6.5	8.18	0.00	0.20	22.24	7.11	146.44	0.22	3.71	3.25	29.54	153.63	183.17	NPK	931	BUDU
36-12-2-AE	960830	15:30	S (1/s)	0.70	295.2	8.8	7.65	0.00	0.19	50.45	8.78	197.08	0.04	2.30	2.54	59.41	201.97	261.38	NPK	931	BUDU
36-12-2-AE	961026	17:00	S (1/s)	0.50	268.6	8.4	8.18	0.08	0.21	45.92	8.47	172.06	0.23	1.39	2.51	54.68	176.19	230.87	NPK	931	BUDU
36-12-2-AE	970415	11:50	S (1/s)	1.00	211.0	5.7	7.90	0.20	0.16	30.20	5.33	61.02	0.37	3.09	2.04	35.90	66.51	102.41	NPK	931	BUDU
36-12-2-AE	970708	17:00	S (1/s)	100.00	215.0	8.1	8.17	0.16	0.07	28.10	4.09	140.34	0.17	2.18	1.51	32.42	144.19	176.61	NPK	931	BUDU
36-12-2-BAA	961026	12:30	S (1/s)	0.00	205.6	6.8	7.90	0.03	0.15	35.87	5.50	129.96	0.19	1.54	2.35	41.54	134.04	175.58	NPK	9331	REH5
36-12-2-BAA	970228	12:15	S (1/s)	0.00	224.0	7.2	8.07	0.15	0.08	37.57	6.21	134.23	0.34	7.95	2.17	44.01	144.70	188.71	NPK	9331	REH5
36-12-2-BAA	970418	14:00	S (1/s)	0.00	217.0	7.0	8.25	0.28	0.21	34.92	5.42	136.68	0.48	4.22	2.28	40.82	143.65	184.47	NPK	9331	REH5
36-12-2-BAB	961026	12:00	S	0.50	204.7	6.7	7.94	0.03	0.14	36.28	5.76	131.18	0.21	1.53	2.23	42.21	135.15	177.36	NPK	9330	REH4
36-12-2-BAB	961116	12:30	HD (1/s)	0.10	223.0	7.0	7.97	0.17	0.20	37.77	6.32	144.61	0.28	2.22	2.27	44.45	149.37	193.82	NPK	9330	REH4
36-12-2-BAB	970228	11:45	S	0.50	226.0	7.0	8.10	0.30	0.09	37.26	6.15	134.85	0.35	8.62	2.09	43.80	145.90	189.69	NPK	9330	REH4
36-12-2-BAB	970418	13:30	HD (1/s)	0.01	224.0	7.1	8.22	0.27	0.17	36.66	5.84	140.95	0.35	4.06	2.56	42.93	147.91	190.84	NPK	9330	REH4
36-12-2-BAB	970710	09:00	HD (1/s)	0.00	212.0	6.8	8.15	0.15	0.09	34.65	5.52	135.46	0.16	2.12	1.64	40.42	139.37	179.78	NPK	9330	REH4
36-12-2-BAC	961026	14:00	S (1/s)	0.20	265.7	7.7	8.12	0.07	0.25	47.95	6.47	170.84	0.30	1.40	2.84	54.74	175.39	230.13	NPK	9326	REH7
36-12-2-BAC	961116	13:20	S (1/s)	0.30	265.0	7.7	8.00	0.10	0.25	48.48	5.54	165.96	0.32	1.57	2.58	54.37	170.44	224.80	NPK	9326	REH7
36-12-2-BAC	970228	13:50	S (1/s)	0.70	242.0	7.7	7.99	0.30	0.08	42.85	5.00	151.32	0.29	3.42	2.14	48.24	157.17	205.41	NPK	9326	REH7
36-12-2-BAC	970418	12:30	S (1/s)	0.40	243.0	7.7	8.23	0.30	0.20	40.67	5.20	151.93	0.34	2.10	2.56	46.36	156.93	203.29	NPK	9326	REH7
36-12-2-BAC	970710	09:45	S (1/s)	0.50	256.0	7.8	8.25	0.24	0.10	43.09	5.75	164.74	0.25	1.90	3.09	49.18	168.98	218.16	NPK	9326	REH7
36-12-2-BAD	961026	13:30	S (1/s)	0.20	303.1	8.0	8.32	0.04	0.22	54.94	7.79	197.69	0.34	1.50	2.60	62.99	202.13	265.11	NPK	9327	REH6
36-12-2-BAD	970228	13:30	S (1/s)	0.50	273.0	7.9	8.22	0.18	0.08	47.79	6.53	170.84	0.32	4.58	2.28	54.57	178.02	232.59	NPK	9327	REH6
36-12-2-BAD	970418	12:45	S (1/s)	0.20	268.0	7.6	8.40	0.19	0.08	45.09	6.56	169.62	0.31	2.26	2.41	51.91	174.61	226.52	NPK	9327	REH6
36-12-2-BAF	961026	11:30	S	0.25	288.3	7.0	8.19	0.05	0.26	51.47	7.11	185.49	0.35	1.67	2.79	58.90	190.29	249.18	NPK	9329	REH3
36-12-2-BAF	961116	13:00	S	0.50	301.0	7.4	8.03	0.66	0.55	53.41	7.11	192.20	0.29	1.59	2.69	61.73	196.78	258.51	NPK	9329	REH3
36-12-2-BAF	970228	12:50	S	0.30	269.0	7.4	8.15	0.57	0.08	46.48	6.06	171.45	0.38	4.08	2.27	53.19	178.18	231.37	NPK	9329	REH3
36-12-2-BAF	970418	13:10	S	0.25	265.0	7.5	8.33	0.21	0.08	44.48	6.46	169.62	0.49	2.29	3.10	51.23	175.50	226.72	NPK	9329	REH3
36-12-2-BAF	970710	09:30	S	0.40	280.0	7.0	8.35	0.22	0.08	47.32	7.01	181.22	0.25	2.31	2.16	54.63	185.94	240.57	NPK	9329	REH3
36-12-2-BAG	961026	16:00	S	0.05	319.8	6.6	8.30	0.08	0.25	53.41	10.20	199.52	0.45	2.16	3.54	63.95	205.67	269.62	NPK	9323	REH2
36-12-2-BAG	961116	14:15	S	0.01	320.0	6.9	8.13	0.12	0.27	55.04	10.84	205.62	0.40	2.20	3.74	66.26	211.96	278.22	NPK	9323	REH2
36-12-2-BAH	961116	15:30	S (1/s)	0.00	179.0	5.9	7.93	0.11	0.15	32.41	4.77	108.61	0.12	2.20	1.90	37.44	112.82	150.26	NPK	9324	REH8
36-12-2-BAH	970418	16:00	S (1/s)	0.00	207.0	6.5	8.30	0.23	0.12	33.88	5.03	123.86	0.35	4.88	2.43	39.26	131.52	170.77	NPK	9324	REH8
36-12-2-BAH	970710	11:00	S (1/s)	0.00	182.4	6.0	8.27	0.13	0.09	30.25	3.82	108.00	0.15	2.15	1.27	34.29	111.57	145.86	NPK	9324	REH8
36-12-2-BAI	961026	10:30	S	0.10	250.9	6.2	8.16	0.06	0.21	42.06	7.07	154.98	0.39	2.07	3.15	49.40	160.58	209.98	NPK	9322	REH1
36-12-2-BAJ	961026	16:15	S	0.20															NPK	9320	REH0
36-12-2-BAJ	961116	16:15	S	0.30	279.0	8.1	8.25	0.09	0.20	46.83	9.41	183.05	0.59	2.15	2.80	56.53	188.59	245.12	NPK	9320	REH0
36-12-2-BAJ	970228	14:45	S	0.70	255.0	8.2	8.19	0.21	0.21	40.59	7.96	168.40	0.28	2.72	2.08	48.97	173.49	222.45	NPK	9320	REH0
36-12-2-BAJ	970418	11:00	S	0.15	243.0	8.0	8.40	0.17	0.14	34.97	7.50	152.54	0.36	1.81	2.04	42.78	156.74	199.52	NPK	9320	REH0

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Hauptbestandteile

Kurzbez.	Entnahme JJMMTT	Uhrzeit hhmm	Q-Art	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (°C)	pH- Wert	Na ⁺ (mg/l)	K ⁺ (mg/l)	Ca ⁺⁺ (mg/l)	Mg ⁺⁺ (mg/l)	HCO ₃ ⁻ (mg/l)	Cl ⁻ (mg/l)	NO ₃ ⁻ (mg/l)	SO ₄ ⁻⁻ (mg/l)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Labor	GIS_ID	Kurz- name
36-12-2-BAJ	970710	11:00	S	0.30	276.0	8.1	8.26	0.25	0.28	44.45	9.31	178.78	0.19	1.87	1.55	54.30	182.39	236.68	NPK	9320	REHO
36-12-2-BD	960124		HD	119.00	220.0	6.8	8.17	0.16	0.15	27.94	5.95	147.66	0.38	3.64	3.44	34.20	155.12	189.32	NPK	258	HRQ
36-12-2-BD	960421	18:15	HD (1/s)	3830.00	187.0	6.2	7.89	0.16	0.18	27.41	5.96	109.22	0.17	4.75	3.42	33.71	117.55	151.27	NPK	258	HRQ
36-12-2-BD	960421	21:00	HD (1/s)	4520.00	186.0	6.3	7.94	0.00	0.13	20.31	4.95	108.61	0.33	4.52	3.11	25.39	116.56	141.95	NPK	258	HRQ
36-12-2-BD	960422	00:00	HD (1/s)	4830.00	185.0	6.1	7.98	0.06	0.15	27.87	5.93	105.56	0.18	6.52	4.25	34.01	116.50	150.51	NPK	258	HRQ
36-12-2-BD	960422	03:00	HD (1/s)	4530.00	185.0	6.0	8.01	0.00	0.14	32.12	6.06	104.95	1.42	6.71	4.28	38.32	117.36	155.68	NPK	258	HRQ
36-12-2-BD	960422	06:00	HD (1/s)	4260.00	183.0	5.9	8.03	0.00	0.16	26.63	5.98	104.34	0.17	6.58	4.20	32.76	115.30	148.06	NPK	258	HRQ
36-12-2-BD	960422	09:00	HD (1/s)	3830.00	181.0	5.9	8.17	0.00	0.16	27.94	5.87	103.12	0.18	6.64	4.28	33.97	114.21	148.18	NPK	258	HRQ
36-12-2-BD	960422	12:00	HD (1/s)	3830.00	181.0	6.0	8.07	0.06	0.12	17.31	4.77	103.12	0.21	5.33	3.36	22.26	112.02	134.27	NPK	258	HRQ
36-12-2-BD	960422	15:00	HD (1/s)	3830.00	180.4	6.0	8.04	0.00	0.13	14.94	4.62	102.51	0.16	5.05	3.43	19.69	111.15	130.84	NPK	258	HRQ
36-12-2-BD	960422	18:00	HD (1/s)	3430.00	179.3	6.0	8.08	0.00	0.13	17.73	4.52	101.29	0.18	6.41	4.00	22.39	111.88	134.26	NPK	258	HRQ
36-12-2-BD	960422	21:00	HD (1/s)	4250.00	177.9	6.0	8.06	0.17	0.16	23.90	5.95	100.68	0.15	5.56	3.62	29.18	110.01	139.19	NPK	258	HRQ
36-12-2-BD	960423	00:00	HD (1/s)	4250.00	176.8	6.0	8.24	0.06	0.13	22.85	5.93	101.29	0.18	6.10	3.86	28.97	111.43	140.40	NPK	258	HRQ
36-12-2-BD	960423	03:00	HD (1/s)	3830.00	176.4	5.8	8.25	0.00	0.13	24.91	5.81	104.95	0.16	6.22	3.56	30.84	114.89	145.73	NPK	258	HRQ
36-12-2-BD	960423	06:00	HD (1/s)	3440.00	175.4	5.9	8.24	0.00	0.12	17.28	4.65	100.07	0.14	6.23	3.77	22.06	110.20	132.26	NPK	258	HRQ
36-12-2-BD	960423	09:00	HD (1/s)	3570.00	174.4	5.9	8.22	0.00	0.14	26.11	5.80	99.46	0.09	3.57	2.44	32.04	105.56	137.60	NPK	258	HRQ
36-12-2-BD	960423	12:00	HD (1/s)	3830.00	173.7	5.9	8.19	0.00	0.12	25.36	6.02	98.24	0.11	4.13	2.62	31.50	105.08	136.58	NPK	258	HRQ
36-12-2-BD	960423	15:00	HD (1/s)	3830.00	173.1	5.9	8.14	0.00	0.13	26.52	5.86	99.46	0.11	4.52	2.78	32.51	106.86	139.37	NPK	258	HRQ
36-12-2-BD	960423	18:00	HD (1/s)	3690.00	172.4	5.9	8.10	0.00	0.08	24.48	5.82	98.85	0.16	5.81	3.47	30.38	108.28	138.65	NPK	258	HRQ
36-12-2-BD	960423	21:00	HD (1/s)	3830.00	169.9	5.9	8.17	0.00	0.06	19.11	5.04	97.63	0.12	5.63	3.45	24.21	106.83	131.04	NPK	258	HRQ
36-12-2-BD	960424	00:00	HD (1/s)	3830.00	169.9	5.8	8.18	0.00	0.08	23.13	5.42	98.24	0.18	5.63	3.43	28.63	107.47	136.10	NPK	258	HRQ
36-12-2-BD	960424	03:00	HD (1/s)	3830.00	169.9	5.7	8.25	0.00	0.41	29.15	5.81	98.24	0.12	5.66	3.42	35.37	107.44	142.81	NPK	258	HRQ
36-12-2-BD	960424	06:00	HD (1/s)	3560.00	168.9	5.7	8.24	0.00	0.07	26.74	5.80	98.24	0.14	5.59	3.38	32.61	107.34	139.95	NPK	258	HRQ
36-12-2-BD	960424	09:00	HD (1/s)	3690.00	168.7	5.7	8.21	0.00	0.07	23.21	5.31	95.79	0.16	5.51	3.31	28.59	104.77	133.36	NPK	258	HRQ
36-12-2-BD	960424	12:00	HD (1/s)	3820.00	167.7	5.7	8.17	0.42	0.27	18.07	4.86	97.02	0.23	5.49	3.29	23.62	106.02	129.64	NPK	258	HRQ
36-12-2-BD	960424	15:00	HD (1/s)	3570.00	166.8	5.7	8.13	0.00	0.10	22.74	5.49	97.63	0.62	0.53	3.16	28.33	101.94	130.26	NPK	258	HRQ
36-12-2-BD	960424	18:00	HD (1/s)	3430.00	165.9	5.7	8.18	0.00	0.33	23.70	5.72	97.63	0.10	5.21	3.08	29.75	106.01	135.76	NPK	258	HRQ
36-12-2-BD	960503		HD (1/s)	2030.00	160.0	5.7	8.26	0.00	0.10	23.86	5.19	95.18	0.00	3.80	2.86	29.16	101.84	131.00	NPK	258	HRQ
36-12-2-BD	960710	13:00	HD (1/s)	3110.00	190.0	5.9	8.18	0.00	0.11	26.43	6.30	117.15	0.00	2.28	2.19	32.83	121.62	154.45	NPK	258	HRQ
36-12-2-BD	960826	18:45	HD (1/s)	69.00	214.0	6.2	8.04	0.20	0.24	17.16	6.15	134.85	0.30	2.57	2.40	23.75	140.12	163.86	NPK	258	HRQ
36-12-2-BD	960827	18:00	HD (1/s)	279.00	209.0	6.4	7.76	0.00	0.15	35.32	6.26	131.79	0.13	2.49	2.41	41.72	136.82	178.54	NPK	258	HRQ
36-12-2-BD	960827	21:00	HD (1/s)	279.00	209.0	6.4	7.83												NPK	258	HRQ
36-12-2-BD	960828	00:00	HD (1/s)	279.00	209.0	6.4	7.88	0.00	0.15	34.18	6.14	135.46	0.13	2.49	2.44	40.46	140.51	180.97	NPK	258	HRQ
36-12-2-BD	960828	03:00	HD (1/s)	279.00	209.0	6.4	7.83												NPK	258	HRQ
36-12-2-BD	960828	06:00	HD (1/s)	279.00	210.0	6.4	7.87	0.00	0.19	28.06	5.88	134.85	0.14	2.51	2.50	34.12	139.99	174.11	NPK	258	HRQ
36-12-2-BD	960828	09:00	HD (1/s)	279.00	210.0	6.4	7.81	0.00	0.15	28.40	6.23	136.07	0.13	2.51	2.50	34.78	141.21	175.99	NPK	258	HRQ
36-12-2-BD	960828	12:00	HD (1/s)	310.00	210.0	6.4	7.78	0.00	0.15	28.72	6.24	132.40	0.13	2.48	2.42	35.11	137.44	172.55	NPK	258	HRQ
36-12-2-BD	960828	15:00	HD (1/s)	310.00	211.0	6.4	7.97	0.00	0.15	23.97	6.12	132.40	0.13	2.52	2.48	30.23	137.53	167.76	NPK	258	HRQ
36-12-2-BD	960828	18:00	HD (1/s)	1680.00	207.0	6.4	7.87	0.00	0.15	29.54	6.14	129.96	0.13	2.55	2.39	35.83	135.03	170.86	NPK	258	HRQ
36-12-2-BD	960828	21:00	HD (1/s)	2310.00	199.7	6.2	7.95	0.15	0.18	28.63	5.84	126.30	0.11	2.49	2.16	34.80	131.07	165.87	NPK	258	HRQ
36-12-2-BD	960829	00:00	HD (1/s)	2100.00	203.0	6.2	8.01	0.00	0.13	26.69	5.47	129.96	0.11	2.46	2.07	32.28	134.60	166.88	NPK	258	HRQ

NATIONALPARK KALKALPEN
Planungsabschnitt Ost
Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE
Quellen
Feldparameter & Hauptbestandteile

Kurzbez.	Entnahme JJMMTT	Uhrzeit hhmm	Q-Art	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (°C)	pH- Wert	Na ⁺ (mg/l)	K ⁺ (mg/l)	Ca ⁺⁺ (mg/l)	Mg ⁺⁺ (mg/l)	HCO ₃ ⁻ (mg/l)	Cl ⁻ (mg/l)	NO ₃ ⁻ (mg/l)	SO ₄ ⁻⁻ (mg/l)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Labor	GIS_ID	Kurz- name
36-12-2-BD	960829	03:00	HD (1/s)	2090.00	205.0	6.2	7.89	0.00	0.13	28.53	5.85	128.74	0.10	2.43	2.18	34.51	133.46	167.97	NPK	258	HRQ
36-12-2-BD	960829	06:00	HD (1/s)	2090.00	205.0	6.2	7.90	0.00	0.13	26.32	5.79	129.96	0.11	2.45	2.16	32.24	134.69	166.93	NPK	258	HRQ
36-12-2-BD	960829	09:00	HD (1/s)	1810.00	205.0	6.2	8.00	0.00	0.13	28.77	5.76	135.46	0.11	2.41	2.15	34.65	140.13	174.78	NPK	258	HRQ
36-12-2-BD	960829	12:00	HD (1/s)	1550.00	205.0	6.2	7.94	0.00	0.12	33.88	5.83	130.57	0.11	2.46	2.18	39.83	135.32	175.15	NPK	258	HRQ
36-12-2-BD	960829	15:00	HD (1/s)	1255.00	203.0	6.2	7.96	0.00	0.14	33.11	5.87	129.96	0.11	2.44	2.14	39.11	134.65	173.76	NPK	258	HRQ
36-12-2-BD	960829	18:00	HD (1/s)	913.00	205.0	6.2	8.06	0.13	0.17	31.23	6.22	129.35	0.12	2.47	2.20	37.74	134.14	171.88	NPK	258	HRQ
36-12-2-BD	960829	21:00	HD (1/s)	913.00	205.0	6.2	8.03												NPK	258	HRQ
36-12-2-BD	960830	00:00	HD (1/s)	805.00	205.0	6.1	8.09	0.00	0.14	32.17	6.02	128.74	0.12	2.48	2.22	38.32	133.56	171.89	NPK	258	HRQ
36-12-2-BD	960830	03:00	HD (1/s)	750.00	206.0	6.2	8.04												NPK	258	HRQ
36-12-2-BD	960830	06:00	HD (1/s)	702.00	209.0	6.2	8.08	0.00	0.14	34.95	6.13	132.40	0.13	2.47	2.31	41.22	137.32	178.54	NPK	258	HRQ
36-12-2-BD	960830	09:00	HD (1/s)	556.00	210.0	6.2	8.06												NPK	258	HRQ
36-12-2-BD	960830	12:00	HD (1/s)	433.00	211.0	6.2	7.93	0.00	0.15	34.93	6.09	133.01	0.12	2.44	2.31	41.17	137.88	179.05	NPK	258	HRQ
36-12-2-BD	960830	15:00	HD (1/s)	433.00	211.0	6.3	8.02												NPK	258	HRQ
36-12-2-BD	961026	17:30	HD (1/s)	765.00	179.1	6.1	8.03	0.00	0.12	31.45	4.34	139.12	0.15	1.94	2.17	35.91	143.37	179.28	NPK	258	HRQ
36-12-2-BD	961116	16:45	PG		189.0	6.0	7.97	0.11	0.20	33.61	5.01	114.71	0.13	2.26	1.96	38.93	119.06	157.99	NPK	258	HRQ
36-12-2-BD	970225	16:30	HD (1/s)	676.00	211.0	6.7	7.95	0.16	0.09	37.62	6.45	126.91	0.28	5.61	2.00	44.31	134.80	179.11	NPK	258	HRQ
36-12-2-BD	970414	15:00	HD (1/s)	581.00	207.0	6.5	7.97	0.17	0.12	33.16	5.04	126.91	0.32	4.60	2.54	38.49	134.37	172.86	NPK	258	HRQ
36-12-2-BD	970414	18:00	HD (1/s)	581.00	207.0	6.5	7.95	0.18	0.14	34.26	5.25	126.91	0.37	4.80	2.55	39.82	134.64	174.47	NPK	258	HRQ
36-12-2-BD	970414	21:00	HD (1/s)	627.00	208.0	6.5	7.98	0.18	0.14	33.36	5.34	125.69	0.33	4.57	2.63	39.02	133.21	172.23	NPK	258	HRQ
36-12-2-BD	970415	00:00	HD (1/s)	627.00	209.0	6.5	7.96	0.22	0.22	33.58	5.24	126.91	0.31	4.54	2.46	39.26	134.23	173.48	NPK	258	HRQ
36-12-2-BD	970415	03:00	HD (1/s)	627.00	209.0	6.4	7.94	0.29	0.31	34.28	5.42	130.57	0.38	4.82	2.71	40.31	138.49	178.79	NPK	258	HRQ
36-12-2-BD	970415	06:00	HD (1/s)	727.00	210.0	6.5	7.96	0.21	0.18	34.49	5.57	129.35	0.32	4.48	2.73	40.45	136.88	177.33	NPK	258	HRQ
36-12-2-BD	970415	09:00	HD (1/s)	1080.00	214.0	6.5	7.92	0.18	0.10	34.02	5.69	129.96	0.31	4.27	2.57	39.99	137.11	177.10	NPK	258	HRQ
36-12-2-BD	970415	12:00	HD (1/s)	1110.00	214.0	6.4	7.93	0.18	0.13	34.89	5.83	135.46	0.33	4.00	2.42	41.03	142.21	183.23	NPK	258	HRQ
36-12-2-BD	970415	15:00	HD (1/s)	1020.00	212.0	6.5	7.94	0.27	0.28	38.86	5.94	132.40	0.31	4.08	2.28	45.34	139.07	184.42	NPK	258	HRQ
36-12-2-BD	970415	18:00	HD (1/s)	953.00	212.0	6.5	7.93	0.23	0.20	34.35	5.53	131.18	0.32	4.11	2.18	40.31	137.80	178.11	NPK	258	HRQ
36-12-2-BD	970415	21:00	HD (1/s)	893.00	212.0	6.4	7.87	0.17	0.12	34.02	5.58	131.79	0.34	4.07	2.35	39.89	138.56	178.45	NPK	258	HRQ
36-12-2-BD	970416	00:00	HD (1/s)	780.00	212.0	6.4	7.91	0.19	0.14	34.37	5.68	129.96	0.34	4.35	2.40	40.38	137.05	177.43	NPK	258	HRQ
36-12-2-BD	970416	06:00	HD (1/s)	676.00	190.7	6.5	7.90	0.18	0.16	9.50	4.87	129.35	0.37	4.20	2.31	14.71	136.23	150.93	NPK	258	HRQ
36-12-2-BD	970416	12:00	HD (1/s)	627.00	190.1	6.6	7.86	0.20	0.15	34.20	5.16	129.96	0.32	4.36	2.52	39.71	137.16	176.86	NPK	258	HRQ
36-12-2-BD	970416	18:00	HD (1/s)	560.00	189.8	6.7	7.92	0.28	0.32	34.25	5.42	132.40	0.37	4.36	2.42	40.26	139.55	179.82	NPK	258	HRQ
36-12-2-BD	970417	00:00	HD (1/s)	510.00	189.6	6.7	7.94	0.32	0.37	34.06	5.41	130.57	0.32	4.42	2.56	40.16	137.88	178.03	NPK	258	HRQ
36-12-2-BD	970417	06:00	HD (1/s)	480.00	189.7	6.7	7.93	0.19	0.17	28.78	4.75	131.18	0.34	4.25	2.41	33.89	138.19	172.08	NPK	258	HRQ
36-12-2-BD	970417	12:00	HD (1/s)	450.00	190.1	6.6	7.95	0.26	0.23	35.02	5.47	129.96	0.35	4.48	2.50	40.98	137.29	178.27	NPK	258	HRQ
36-12-2-BD	970417	18:00	HD (1/s)	420.00	190.1	6.6	7.96	0.17	0.13	34.20	5.42	131.79	0.33	4.50	2.47	39.92	139.09	179.01	NPK	258	HRQ
36-12-2-BD	970418	08:00	HD (1/s)	378.00	190.1	6.7	7.97	0.17	0.11	34.29	5.55	129.96	0.35	4.57	2.65	40.11	137.54	177.65	NPK	258	HRQ
36-12-2-BD	970418	17:00	HD (1/s)	493.00	191.0	6.7	8.03	0.22	0.22	40.69	6.56	130.57	0.32	4.33	2.71	47.69	137.93	185.62	NPK	258	HRQ
36-12-2-BD	970513	12:10	HD (1/s)	5390.00	155.7	5.8	8.23	0.17	0.07	26.53	3.54	98.24	0.27	4.80	1.15	30.31	104.45	134.76	NPK	258	HRQ
36-12-2-BD	970705	15:00	HD (1/s)	493.00	185.4	6.0	8.26	0.10	0.05	29.95	4.55	120.20	0.17	3.69	1.52	34.65	125.58	160.23	NPK	258	HRQ
36-12-2-BD	970705	18:00	HD (1/s)	493.00	185.6	6.0	8.31	0.12	0.07	30.90	4.46	115.93	0.17	3.65	1.66	35.54	121.41	156.96	NPK	258	HRQ
36-12-2-BD	970705	21:00	HD (1/s)	835.00	183.5	5.9	8.30	0.15	0.10	29.73	4.63	114.10	0.18	3.71	1.63	34.59	119.62	154.22	NPK	258	HRQ

NATIONALPARK KALKALPEN
Planungsabschnitt Ost
Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE
Quellen
Feldparameter & Hauptbestandteile

Kurzbez.	Entnahme JJMMTT	Uhrzeit hhmm	Q-Art	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (°C)	pH- Wert	Na ⁺ (mg/l)	K ⁺ (mg/l)	Ca ⁺⁺ (mg/l)	Mg ⁺⁺ (mg/l)	HCO ₃ ⁻ (mg/l)	Cl ⁻ (mg/l)	NO ₃ ⁻ (mg/l)	SO ₄ ⁻⁻ (mg/l)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Labor	GIS_ID	Kurz- name
36-12-2-BD	970706	00:00	HD (1/s)	1360.00	182.1	5.9	8.30	0.91	0.58	29.37	4.47	118.37	0.15	3.43	1.71	35.33	123.66	158.98	NPK	258	HRQ
36-12-2-BD	970706	03:00	HD (1/s)	11800.00	197.0	6.1	8.27	0.32	0.17	31.36	5.11	123.25	0.18	3.47	1.71	36.95	128.60	165.56	NPK	258	HRQ
36-12-2-BD	970706	06:00	HD (1/s)	21300.00	213.0	6.9	8.19	0.15	0.07	34.23	6.17	134.23	0.18	2.88	1.50	40.62	138.79	179.40	NPK	258	HRQ
36-12-2-BD	970706	09:00	HD (1/s)	20700.00	200.0	6.7	8.22	0.14	0.08	32.02	5.47	131.79	0.15	2.69	1.38	37.70	136.02	173.72	NPK	258	HRQ
36-12-2-BD	970706	12:00	HD (1/s)	18600.00	189.4	6.4	8.25	0.11	0.06	31.59	4.74	132.40	0.17	2.69	1.09	36.50	136.35	172.85	NPK	258	HRQ
36-12-2-BD	970706	15:00	HD (1/s)	12800.00	178.7	6.2	8.28	0.11	0.05	30.01	4.03	113.49	0.18	2.72	1.27	34.20	117.66	151.86	NPK	258	HRQ
36-12-2-BD	970706	18:00	HD (1/s)	10000.00	175.5	6.1	8.20	0.11	0.07	31.23	4.26	110.44	0.16	2.61	1.30	35.66	114.51	150.17	NPK	258	HRQ
36-12-2-BD	970706	21:00	HD (1/s)	8010.00	175.9	6.0	8.19	0.10	0.06	29.30	3.93	113.49	0.15	2.49	1.16	33.40	117.30	150.69	NPK	258	HRQ
36-12-2-BD	970707	00:00	HD (1/s)	5900.00	175.5	6.1	8.14	0.18	0.11	29.58	3.97	111.05	0.16	2.88	1.23	33.85	115.31	149.16	NPK	258	HRQ
36-12-2-BD	970707	03:00	HD (1/s)	4600.00	175.0	5.9	8.17	0.38	0.19	34.21	4.66	110.44	0.15	2.56	1.20	39.44	114.35	153.79	NPK	258	HRQ
36-12-2-BD	970707	06:00	HD (1/s)	4020.00	174.1	5.9	8.11	0.10	0.06	29.16	4.00	112.27	0.15	2.74	1.28	33.32	116.44	149.76	NPK	258	HRQ
36-12-2-BD	970707	09:00	HD (1/s)	3230.00	175.1	5.9	8.14	0.10	0.05	29.64	4.08	110.44	0.15	2.64	1.32	33.87	114.55	148.41	NPK	258	HRQ
36-12-2-BD	970707	12:00	HD (1/s)	5560.00	178.2	6.0	8.14	0.13	0.08	29.52	4.04	111.66	0.18	2.65	1.26	33.77	115.75	149.52	NPK	258	HRQ
36-12-2-BD	970707	15:00	HD (1/s)	9320.00	192.5	6.6	8.11	0.13	0.06	31.42	4.77	123.25	0.17	2.37	1.31	36.38	127.10	163.48	NPK	258	HRQ
36-12-2-BD	970707	18:00	HD (1/s)	13400.00	184.3	6.5	8.13	0.06	0.05	30.51	4.54	118.98	0.57	2.51	1.35	35.17	123.41	158.58	NPK	258	HRQ
36-12-2-BD	970707	21:00	HD (1/s)	14900.00	179.0	6.4	8.10	0.12	0.06	30.99	4.47	115.93	0.12	2.71	1.16	35.63	119.92	155.55	NPK	258	HRQ
36-12-2-BD	970708	00:00	HD (1/s)	12600.00	174.5	6.3	8.15	0.15	0.10	29.67	3.95	114.71	0.13	2.43	1.18	33.88	118.45	152.32	NPK	258	HRQ
36-12-2-BD	970708	03:00	HD (1/s)	10500.00	173.2	6.3	8.16	0.11	0.08	29.34	3.88	121.42	0.14	2.40	1.17	33.41	125.13	158.54	NPK	258	HRQ
36-12-2-BD	970708	06:00	HD (1/s)	8650.00	174.1	6.3	8.12	0.10	0.05	29.58	3.91	114.71	0.16	2.04	1.17	33.64	118.08	151.72	NPK	258	HRQ
36-12-2-BD	970708	09:00	HD (1/s)	7200.00	172.5	6.1	8.09	0.10	0.05	29.67	3.95	108.00	0.12	1.95	1.13	33.78	111.20	144.97	NPK	258	HRQ
36-12-2-BD	970708	12:00	HD (1/s)	5560.00	174.9	6.3	8.13	0.11	0.06	29.95	3.97	112.27	0.13	1.97	1.27	34.09	115.64	149.73	NPK	258	HRQ
36-12-2-BD	970708	15:00	HD (1/s)	4750.00	173.2	6.3	8.06	0.16	0.13	30.12	3.96	111.66	0.13	2.25	1.42	34.37	115.45	149.82	NPK	258	HRQ
36-12-2-BD	970708	18:00	HD (1/s)	4160.00	175.1	6.2	8.20	0.13	0.05	32.46	4.38	108.61	0.18	2.44	1.56	37.01	112.79	149.80	NPK	258	HRQ
36-12-2-BD	970708	21:00	HD (1/s)	3230.00	175.4	6.3	8.16	0.11	0.07	28.95	3.94	111.05	0.12	2.07	1.40	33.06	114.64	147.70	NPK	258	HRQ
36-12-2-BD	970709	00:00	HD (1/s)	2870.00	175.0	6.3	8.17	0.11	0.07	21.87	3.09	112.27	0.17	2.10	1.47	25.14	116.01	141.14	NPK	258	HRQ
36-12-2-BD	970709	03:00	HD (1/s)	2540.00	175.1	6.1	8.20	0.10	0.06	21.35	2.85	111.05	0.16	2.21	1.27	24.36	114.68	139.04	NPK	258	HRQ
36-12-2-BD	970709	06:00	HD (1/s)	2330.00	176.2	5.9	8.24	0.13	0.08	29.34	4.02	112.88	0.15	3.17	1.35	33.57	117.55	151.11	NPK	258	HRQ
36-12-2-BD	970709	12:00	HD (1/s)	1850.00	177.8	6.1	8.19	0.09	0.06	29.85	4.27	113.49	0.15	2.20	1.31	34.27	117.14	151.41	NPK	258	HRQ
36-12-2-BD	970709	18:00	HD (1/s)	1360.00	180.5	6.1	8.21	0.12	0.07	29.68	4.25	114.10	0.23	2.49	1.25	34.12	118.06	152.18	NPK	258	HRQ
36-12-2-BD	970710	00:00	HD (1/s)	1150.00	181.6	6.3	8.21	0.11	0.08	30.42	4.53	114.71	0.20	3.10	1.25	35.14	119.26	154.39	NPK	258	HRQ
36-12-2-BD	970710	06:00	HD (1/s)	953.00	183.0	6.1	8.20	0.13	0.07	30.34	4.43	112.88	0.17	2.74	1.26	34.97	117.05	152.01	NPK	258	HRQ
36-12-2-BD	970710	12:00	HD (1/s)	835.00	182.8	6.2	8.24	0.17	0.14	31.74	4.56	115.93	0.20	2.47	1.59	36.60	120.19	156.79	NPK	258	HRQ
36-12-2-BD	970710	18:00	HD (1/s)	780.00	184.6	6.0	8.20	0.12	0.06	18.95	2.87	119.59	0.14	2.78	1.57	22.00	124.09	146.09	NPK	258	HRQ
36-12-2-BD	970711	00:00	HD (1/s)	893.00	182.0	6.1	8.19	0.11	0.06	23.18	3.41	131.79	0.14	2.41	1.30	26.75	135.65	162.40	NPK	258	HRQ
36-12-2-BD	970711	06:00	HD (1/s)	780.00	182.1	6.0	8.17	0.12	0.08	30.35	5.91	118.37	0.10	1.34	0.76	36.45	120.57	157.01	NPK	258	HRQ
36-12-2-BD	970711	12:00	HD (1/s)	727.00	182.7	6.4	8.17	0.12	0.11	15.43	2.25	117.15	0.15	1.25	0.62	17.90	119.18	137.08	NPK	258	HRQ
36-12-2-BD	970711	18:00	HD (1/s)	676.00	182.6	6.4	8.12	0.10	0.06	23.12	3.42	115.32	0.18	2.63	1.36	26.69	119.49	146.18	NPK	258	HRQ
36-12-2-BD	970819	19:00	HD (1/s)	493.00	195.0	6.1	8.19	0.26	0.25	41.79	6.27	125.69	0.33	2.10	1.51	48.58	129.40	177.99	NPK	258	HRQ
36-12-2-BF	960422	11:40	HD (1/s)	181.00															NPK	A145	HRQ-DKM
36-12-2-BF	970414	18:00	S (1/s)	165.00	210.0	6.6	8.00												NPK	A145	HRQ-DKM
36-12-2-BF	970415	09:00	S (1/s)	165.00	216.0	6.7	7.99												NPK	A145	HRQ-DKM

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Hauptbestandteile

Kurzbez.	Entnahme JJMMTT	Uhrzeit hhmm	Q-Art	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (° C)	pH- Wert	Na ⁺ (mg/l)	K ⁺ (mg/l)	Ca ⁺⁺ (mg/l)	Mg ⁺⁺ (mg/l)	HCO ₃ ⁻ (mg/l)	Cl ⁻ (mg/l)	NO ₃ ⁻ (mg/l)	SO ₄ ^{..} (mg/l)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Labor	GIS_ID	Kurz- name	
36-12-2-BF	970415	15:13	HD (1/s)	165.00																NPK	A145	HRQ-DKM
36-12-2-BF	970415	18:00	S (1/s)	165.00	216.0	6.7	7.90													NPK	A145	HRQ-DKM
36-12-2-BF	970416	12:00	S (1/s)	165.00	194.0	6.7	7.84													NPK	A145	HRQ-DKM
36-12-2-BF	970416	18:00	S (1/s)	165.00	194.0	6.7	7.89													NPK	A145	HRQ-DKM
36-12-2-BF	970708	14:40	HD (1/s)	165.00																NPK	A145	HRQ-DKM
36-12-2-BF	980108		HD (1/s)	155.00	214.0	6.7	8.13													NPK	A145	HRQ-DKM
36-17-A	960710	11:30	S (1/s)	15.00	367.0	9.3	7.71	0.09	0.34	28.99	21.41	224.54	0.51	2.63	14.24	50.83	241.92	292.74	NPK	1007	ROHR	
36-17-A	961024	18:00	S (1/s)	15.00	366.0	9.3	7.57	0.08	0.33	44.74	21.19	225.15	0.58	2.64	14.24	66.34	242.60	308.94	NPK	1007	ROHR	
36-17-A	970225	11:30	S (1/s)	10.00	368.0	9.3	7.55	0.43	0.20	45.53	22.01	225.76	0.50	3.81	13.39	68.17	243.46	311.63	NPK	1007	ROHR	
36-17-A	970513	11:15	S (1/s)	10.00	364.2	9.4	7.77	0.40	0.14	45.97	21.99	224.54	0.40	3.99	13.70	68.50	242.63	311.12	NPK	1007	ROHR	
36-17-A	970819	11:00	S (1/s)	15.00	365.0	9.3	7.74					218.44					218.44	218.44	NPK	1007	ROHR	
37-03-JB	960123		HD (1/s)	20.00	308.0	4.7	8.20	0.18	0.06	25.23	15.01	211.12	0.50	3.62	4.19	40.48	219.43	259.91	NPK	1216	KRA	
37-03-JB	960504		HD (1/s)	83.00	259.0	4.9	8.17	0.11	0.16	25.94	15.11	163.52	0.00	3.48	3.46	41.32	170.46	211.78	NPK	1216	KRA	
37-03-JB	960711		S	45.00	293.0	8.2	8.17	0.11	0.19	29.10	16.72	190.37	0.00	2.89	3.03	46.12	196.29	242.41	NPK	1216	KRA	
37-03-JB	961022	12:40	S	50.00	250.9	8.4	8.40	0.22	0.20	33.36	13.83	159.86	0.24	2.09	2.81	47.60	164.99	212.59	NPK	1216	KRA	
37-03-JB	970226	13:00	HD (1/s)	179.00	271.0	4.2	8.16	0.45	0.14	33.93	16.08	169.62	0.53	7.31	2.93	50.60	180.39	230.99	NPK	1216	KRA	
37-03-JB	970515	10:15	HD (1/s)	88.00	260.0	5.5	8.35	0.27	0.14	32.89	15.18	169.62	0.30	3.80	2.31	48.47	176.03	224.51	NPK	1216	KRA	
37-03-JB	970820	10:30	S	60.00	312.0	9.2	8.12	0.15	0.14	38.34	17.72	242.84	0.18	2.47	2.24	56.35	247.73	304.08	NPK	1216	KRA	
37-04-E	960123			0.00															NPK	223	BLOEQ	
37-04-E	960504		S (1/s)	250.00	181.0	5.0	8.03	0.13	0.15	26.11	7.17	109.83	0.00	4.45	3.55	33.56	117.83	151.39	NPK	223	BLOEQ	
37-04-E	960711	15:00	S (1/s)	70.00	214.0	5.8	8.10	0.14	0.33	26.52	8.17	129.35	0.02	3.50	3.63	35.16	136.49	171.65	NPK	223	BLOEQ	
37-04-E	961022	11:20	S (1/s)	400.00	168.3	5.9	7.95	0.48	0.28	25.57	5.91	103.12	0.12	1.88	2.35	32.24	107.46	139.70	NPK	223	BLOEQ	
37-04-E	970226	11:30	HD (1/s)	17.00	225.0	5.8	7.95	0.69	0.19	33.79	7.67	131.79	0.38	8.19	3.93	42.33	144.29	186.62	NPK	223	BLOEQ	
37-04-E	970515	11:15	HD (1/s)	460.00	159.0	4.9	8.27	0.30	0.30	24.74	5.80	103.73	0.19	4.09	1.65	31.14	109.65	140.79	NPK	223	BLOEQ	
37-04-E	970820	10:00		0.00															NPK	223	BLOEQ	
37-04-KB	960123		HD	66.00	252.0	6.6	8.04	0.29	0.08	20.25	5.73	165.96	0.49	3.89	6.01	26.35	176.35	202.70	NPK	228	HOCH	
37-04-KB	960504		S (1/s)	200.00	239.0	6.4	7.91	0.21	0.56	27.05	9.86	142.17	0.08	5.66	5.09	38.48	153.00	191.47	NPK	228	HOCH	
37-04-KB	960712	14:30	S (1/s)	15.00	246.0	6.4	8.07	0.21	0.55	26.70	10.36	152.54	0.11	4.14	4.66	37.82	161.45	199.27	NPK	228	HOCH	
37-04-KB	961022	12:10	S (1/s)	400.00	255.8	7.0	7.89	0.25	0.52	39.02	8.97	158.03	0.22	3.38	4.69	48.77	166.32	215.08	NPK	228	HOCH	
37-04-KB	970226	12:30	HD (1/s)	111.00	263.0	6.9	7.77	0.94	0.26	39.28	9.89	159.25	0.29	4.83	6.19	50.37	170.57	220.93	NPK	228	HOCH	
37-04-KB	970515	10:45	HD (1/s)	324.00	231.0	6.6	8.10	0.87	0.38	33.90	9.24	142.78	0.64	6.07	3.99	44.38	153.47	197.85	NPK	228	HOCH	
37-04-KB	970820	10:15	S (1/s)	60.00	246.0	6.8	8.06	0.64	0.37	36.78	10.11	151.32	0.21	3.35	4.47	47.89	159.34	207.23	NPK	228	HOCH	
37-09-AB	960123		S	5.00	276.0	6.5	7.49	0.15	0.15	23.62	16.13	214.78	0.53	3.34	3.68	40.05	222.33	262.38	NPK	416	MAUL	
37-09-AB	960504		S	35.00	235.0	6.5	7.97	0.27	0.29	36.16	6.98	139.12	0.04	5.37	4.58	43.70	149.10	192.80	NPK	416	MAUL	
37-09-AB	960711	13:30	S	50.00	266.0	6.8	7.97	0.20	0.29	37.05	6.33	165.96	0.03	4.21	3.98	43.86	174.19	218.05	NPK	416	MAUL	
37-09-AB	961022	14:00	S	80.00	227.3	8.9	7.76	0.16	0.27	42.16	3.96	138.51	0.13	2.64	3.95	46.55	145.22	191.78	NPK	416	MAUL	
37-09-AB	970226	13:30	S	50.00	260.0	5.6	7.94	0.46	0.22	44.42	7.81	154.37	0.44	10.26	4.19	52.92	169.25	222.17	NPK	416	MAUL	
37-09-AB	970515	09:30	S	15.00	236.0	6.7	8.08	0.26	0.13	38.42	6.20	146.44	0.38	6.41	3.73	45.01	156.95	201.96	NPK	416	MAUL	
37-09-AB	970820	11:30	S	25.00	286.0	6.7	7.93	0.46	0.30	48.10	8.29	176.34	0.31	4.89	4.61	57.15	186.14	243.29	NPK	416	MAUL	
37-09-HB	960123			0.00															NPK	408	REUT	
37-09-HB	960504		S	3.00	229.0	6.6	8.09	0.17	0.21	27.37	8.56	133.01	0.27	8.24	4.81	36.31	146.33	182.64	NPK	408	REUT	

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Hauptbestandteile

Kurzbez.	Entnahme JMMTT	Uhrzeit hhmm	Q-Art	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (° C)	pH- Wert	Na ⁺ (mg/l)	K ⁺ (mg/l)	Ca ⁺⁺ (mg/l)	Mg ⁺⁺ (mg/l)	HCO ₃ ⁻ (mg/l)	Cl ⁻ (mg/l)	NO ₃ ⁻ (mg/l)	SO ₄ ⁻⁻ (mg/l)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Labor	GIS_ID	Kurz- name
37-09-HB	960711	12:40	S	25.00	254.0	6.6	8.00	0.16	0.24	30.32	9.35	154.37	0.12	6.65	4.71	40.07	165.85	205.92	NPK	408	REUT
37-09-HB	961022	14:30	S	100.00	228.3	6.5	7.89	0.15	0.23	37.69	7.38	139.12	0.18	3.97	4.00	45.44	147.27	192.71	NPK	408	REUT
37-09-HB	970226	13:45	S	10.00	265.0	6.4	7.92	0.34	0.18	41.68	13.19	156.20	0.45	13.79	5.47	55.38	175.90	231.29	NPK	408	REUT
37-09-HB	970515	08:45	S	0.50	228.0	6.5	8.17	0.21	0.20	34.38	7.53	134.85	0.41	9.20	3.90	42.32	148.35	190.68	NPK	408	REUT
37-10-ACC	960829	17:00	S	1.00	206.8	12.0	7.98	0.31	0.28	43.33	0.00	133.01	0.08	0.31	1.94	43.92	135.35	179.27	NPK	A114	JAPO
37-10-ACC	961025	14:00	S	0.10	242.0	5.3	7.75												NPK	A114	JAPO
37-10-ACC	970708	10:45	S	5.00	119.0	7.9	7.90	0.20	0.17	29.56	1.70	75.66	0.12	0.43	2.15	31.63	78.36	109.99	NPK	A114	JAPO
37-10-B	960828	15:00	S	0.20	250.5	4.0	8.19	0.13	0.20	56.28	0.00	157.42	0.21	2.30	3.06	56.61	162.99	219.60	NPK	A115	NÖHR
37-10-B	960828	18:00	S (1/s)	0.00	255.4	4.0	8.09	0.11	0.18	56.88	0.06	159.86	0.08	2.05	3.13	57.23	165.13	222.35	NPK	A115	NÖHR
37-10-B	960829	00:00	S (1/s)	0.00	238.9	3.9	8.34	0.14	0.19	53.54	0.00	151.93	0.17	2.04	3.22	53.88	157.35	211.23	NPK	A115	NÖHR
37-10-B	960829	06:00			239.9	4.0	8.39	0.00	0.19	54.13	0.00	149.49	0.11	1.65	3.08	54.32	154.32	208.64	NPK	A115	NÖHR
37-10-B	960829	18:00			244.7	3.9	8.29	0.00	0.18	54.59	0.00	153.15	0.15	1.65	3.06	54.78	158.01	212.79	NPK	A115	NÖHR
37-10-B	961025	15:00	S	0.00	184.0	2.8	7.88	0.82	0.40	38.65	0.00	109.22	0.37	0.78	3.19	39.86	113.55	153.41	NPK	A115	NÖHR
37-10-B	970708	09:50	S (1/s)	0.10	183.0	2.4	8.35	0.26	0.18	22.70	0.86	115.32	0.26	0.59	2.11	23.99	118.27	142.27	NPK	A115	NÖHR
37-10-CB	960422	13:00	S	0.20	179.0	2.4	8.17	0.00	0.17	22.57	8.84	112.27	0.21	3.38	3.41	31.58	119.27	150.85	NPK	A136	JAID-N
37-10-D	960422	13:45	S (1/s)	5.00	200.0	3.1	8.16	0.13	0.15	27.45	6.29	119.59	0.44	9.20	3.74	34.02	132.98	167.00	NPK	700	FARN
37-10-D	960829	19:00	S (1/s)	1.50	300.1	8.2	7.67	0.17	0.21	51.62	9.13	191.59	0.19	6.59	2.89	61.13	201.26	262.38	NPK	700	FARN
37-10-D	970416	11:30	S (1/s)	0.30	243.0	2.0	8.06	0.28	0.25	38.01	6.55	61.02	0.43	8.20	2.84	45.09	72.49	117.58	NPK	700	FARN
37-10-H	960422	14:30	S	10.00	207.0	4.0	8.29	0.13	0.20	33.31	7.04	115.93	0.35	11.87	4.83	40.68	132.99	173.67	NPK	398	SCHW
37-10-H	960829	10:30	S	3.00	261.2	5.7	8.05	0.15	0.20	40.75	9.64	163.52	0.09	6.42	2.98	50.73	173.02	223.75	NPK	398	SCHW
37-10-H	970416	12:30	S	1.00	224.0	3.7	8.20	0.23	0.20	32.90	7.62	61.02	0.39	8.41	3.15	40.94	72.97	113.91	NPK	398	SCHW
37-10-H	970708	08:40	S	20.00	209.0	5.0	8.23	0.19	0.12	36.11	0.39	120.81	0.33	7.93	2.87	36.81	131.94	168.76	NPK	398	SCHW
37-10-J	960422	16:00	S	5.00	243.0	5.6	8.28	0.16	0.22	30.40	12.27	144.00	0.29	10.71	4.65	43.05	159.65	202.69	NPK	397	LEO
37-10-J	960829	11:30	S	5.00	286.5	7.1	7.97	0.30	0.29	43.71	11.81	182.44	0.25	6.10	4.14	56.12	192.92	249.04	NPK	397	LEO
37-10-J	970416	13:00	S	3.00	259.0	5.1	8.19	0.29	0.25	37.54	10.09	152.54	0.40	7.93	4.27	48.18	165.14	213.31	NPK	397	LEO
37-10-J	970708	11:00	S	15.00	264.0	7.1	8.11	1.06	0.36	36.14	5.11	165.96	0.27	7.70	3.17	42.67	177.10	219.77	NPK	397	LEO
37-12-AB	960123		HD	87.00	313.0	6.4	8.09	0.18	0.13	24.59	12.75	205.62	0.48	4.63	5.20	37.65	215.93	253.58	NPK	406	STEY
37-12-AB	960421	15:00	PG		235.0	6.3	7.99												NPK	406	STEY
37-12-AB	960421	18:00	PG		232.0	6.2	8.01	0.14	0.21	31.99	8.34	133.01	0.26	9.41	5.33	40.68	148.02	188.69	NPK	406	STEY
37-12-AB	960421	21:00	PG		130.0	6.2	8.03	0.23	0.23	31.70	8.03	133.01	0.27	9.41	5.13	40.19	147.82	188.01	NPK	406	STEY
37-12-AB	960422	00:00	PG		230.0	6.2	8.03	0.12	0.18	30.80	8.05	132.40	0.24	9.45	4.98	39.15	147.08	186.23	NPK	406	STEY
37-12-AB	960422	03:00	PG		227.0	6.2	8.05	0.09	0.14	29.21	6.74	131.18	0.17	6.99	3.81	36.19	142.15	178.34	NPK	406	STEY
37-12-AB	960422	06:00	PG		224.0	6.2	8.01	0.17	0.25	32.80	8.32	128.74	0.26	8.25	4.73	41.52	141.98	183.51	NPK	406	STEY
37-12-AB	960422	09:00	PG		224.0	6.2	8.00	0.18	0.24	32.09	8.43	128.74	0.28	9.07	5.05	40.95	143.14	184.08	NPK	406	STEY
37-12-AB	960422	12:00	PG		225.0	6.2	8.03	0.19	0.56	32.92	8.59	129.35	0.28	9.10	5.11	42.25	143.85	186.11	NPK	406	STEY
37-12-AB	960422	15:00	PG		225.0	6.2	8.01	0.17	0.25	32.92	8.82	128.74	0.25	9.12	5.11	42.15	143.22	185.37	NPK	406	STEY
37-12-AB	960422	18:00	PG		221.0	6.2	8.01	0.10	0.15	32.39	7.80	128.74	0.15	5.90	3.68	40.44	138.47	178.91	NPK	406	STEY
37-12-AB	960422	21:00	PG		220.0	6.2	8.03	0.20	0.23	29.06	6.89	126.91	0.39	9.16	4.96	36.38	141.42	177.81	NPK	406	STEY
37-12-AB	960423	00:00	PG		220.0	6.2	8.02	0.10	0.12	25.02	6.60	132.40	0.17	7.35	4.17	31.85	144.09	175.93	NPK	406	STEY
37-12-AB	960423	03:00	PG		217.0	6.2	8.01	0.11	0.14	24.28	6.05	125.08	0.36	7.68	4.40	30.58	137.51	168.09	NPK	406	STEY
37-12-AB	960423	06:00	PG		217.0	6.2	7.99	0.12	0.16	23.82	6.23	126.91	0.14	6.36	3.88	30.34	137.29	167.62	NPK	406	STEY

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Hauptbestandteile

Kurzbez.	Entnahme JJMMTT	Uhrzeit hhmm	Q-Art	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (°C)	pH- Wert	Na ⁺ (mg/l)	K ⁺ (mg/l)	Ca ⁺⁺ (mg/l)	Mg ⁺⁺ (mg/l)	HCO ₃ ⁻ (mg/l)	Cl ⁻ (mg/l)	NO ₃ ⁻ (mg/l)	SO ₄ ⁼⁼ (mg/l)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Labor	GIS_ID	Kurz- name
37-12-AB	960423	09:00	PG		216.0	6.2	8.03	0.14	0.18	26.50	7.04	124.47	0.15	5.88	3.54	33.85	134.04	167.89	NPK	406	STEY
37-12-AB	960423	12:00	PG		215.0	6.2	8.00	0.13	0.16	20.00	6.03	125.69	0.22	7.40	4.01	26.32	137.31	163.63	NPK	406	STEY
37-12-AB	960423	15:00	PG		214.0	6.2	7.98	0.12	0.15	24.21	5.91	123.86	0.20	7.95	4.46	30.39	136.47	166.86	NPK	406	STEY
37-12-AB	960423	18:00	PG		212.0	6.1	8.01	0.13	0.97	29.15	6.73	119.59	0.24	8.43	4.57	36.97	132.82	169.79	NPK	406	STEY
37-12-AB	960423	21:00	PG		212.0	6.1	8.05	0.06	0.11	27.67	7.55	122.03	0.21	8.24	4.49	35.40	134.98	170.37	NPK	406	STEY
37-12-AB	960424	00:00	PG		212.0	6.2	8.02	0.02	0.06	24.06	6.11	120.20	0.22	7.91	4.34	30.25	132.67	162.93	NPK	406	STEY
37-12-AB	960424	03:00	PG		208.0	6.1	7.99	0.09	0.12	26.39	7.72	123.25	0.17	6.94	3.98	34.31	134.34	168.65	NPK	406	STEY
37-12-AB	960424	06:00	PG		206.0	6.1	8.00	0.00	0.10	21.79	4.30	119.59	0.15	6.96	3.88	26.19	130.58	156.76	NPK	406	STEY
37-12-AB	960424	09:00	PG		205.0	6.2	7.97	0.12	0.38	26.84	6.85	118.98	0.20	7.17	4.02	34.20	130.37	164.56	NPK	406	STEY
37-12-AB	960424	12:00	PG		205.0	6.2	8.00	0.10	0.13	30.34	6.99	120.81	0.17	5.83	3.52	37.56	130.34	167.89	NPK	406	STEY
37-12-AB	960424	15:00	PG		203.0	6.2	7.94	0.00	0.06	22.81	4.69	117.76	0.21	7.66	4.26	27.55	129.88	157.44	NPK	406	STEY
37-12-AB	960424	18:00	PG		202.0	6.1	7.99	0.23	0.21	28.73	6.15	117.15	0.20	7.64	4.19	35.32	129.18	164.50	NPK	406	STEY
37-12-AB	960504		HD	1109.00	226.0	6.2	8.07	0.25	0.26	29.63	9.37	135.46	0.03	5.31	3.55	39.52	144.35	183.86	NPK	406	STEY
37-12-AB	960711	12:00	PG		266.0	6.6	7.90	0.16	0.24	31.33	11.74	165.35	0.07	4.48	3.83	43.45	173.73	217.19	NPK	406	STEY
37-12-AB	960826	20:15	PG		310.0	7.1	7.83	0.16	0.26	22.05	15.57	193.42	0.26	4.63	4.58	38.04	202.89	240.92	NPK	406	STEY
37-12-AB	960827	18:00	PG		305.0	7.1	7.68	0.14	0.23	54.50	14.86	193.42	0.22	4.53	4.51	69.74	202.68	272.42	NPK	406	STEY
37-12-AB	960827	21:00	PG		306.0	7.1	7.64												NPK	406	STEY
37-12-AB	960828	00:00	PG		307.0	7.1	7.72	0.11	0.15	42.98	15.25	194.03	0.19	4.57	4.33	58.48	203.12	261.60	NPK	406	STEY
37-12-AB	960828	03:00	PG		307.0	7.1	7.70					61.02					61.02	61.02	NPK	406	STEY
37-12-AB	960828	06:00	PG		306.0	7.1	7.72	0.15	0.24	41.50	15.53	192.81	0.19	4.53	4.55	57.42	202.09	259.50	NPK	406	STEY
37-12-AB	960828	09:00	PG		305.0	7.1	7.73												NPK	406	STEY
37-12-AB	960828	12:00	PG		307.0	7.1	7.72	0.15	0.23	41.33	15.42	196.47	0.19	4.41	4.30	57.14	205.36	262.50	NPK	406	STEY
37-12-AB	960828	15:00	PG		307.0	7.1	7.75	0.15	0.24	42.64	13.24	196.47	0.19	4.29	4.33	56.27	205.28	261.56	NPK	406	STEY
37-12-AB	960828	18:00	PG		273.0	6.8	7.73	0.11	0.16	43.01	9.52	170.84	0.20	4.21	4.30	52.79	179.54	232.33	NPK	406	STEY
37-12-AB	960828	21:00	PG		276.0	6.7	7.77	0.15	0.23	44.73	10.34	171.45	0.25	4.21	4.04	55.46	179.95	235.41	NPK	406	STEY
37-12-AB	960829	00:00	PG		280.0	6.7	7.76	0.11	0.17	44.49	10.18	176.34	0.13	3.86	3.75	54.95	184.07	239.02	NPK	406	STEY
37-12-AB	960829	03:00	PG		284.0	6.8	7.72	0.15	0.23	43.45	8.81	179.39	0.21	4.44	4.03	52.64	188.07	240.70	NPK	406	STEY
37-12-AB	960829	06:00	PG		285.0	6.8	7.77	0.16	0.27	46.20	10.78	180.00	0.20	4.23	4.05	57.41	188.48	245.89	NPK	406	STEY
37-12-AB	960829	09:00	PG		284.0	6.9	7.77	0.16	0.26	44.57	11.87	178.78	0.17	3.81	3.46	56.86	186.22	243.08	NPK	406	STEY
37-12-AB	960829	12:00	PG		283.0	6.9	7.78	0.16	0.24	44.18	11.12	178.17	0.16	3.84	3.72	55.70	185.89	241.58	NPK	406	STEY
37-12-AB	960829	15:00	PG		280.0	7.0	7.79	0.16	0.22	43.71	7.37	177.56	0.15	3.92	3.69	51.47	185.32	236.78	NPK	406	STEY
37-12-AB	960829	18:00	PG		279.0	7.1	7.73	0.15	0.22	42.84	11.94	178.17	0.14	3.91	3.55	55.15	185.77	240.92	NPK	406	STEY
37-12-AB	960829	21:00	PG		280.0	7.1	7.79												NPK	406	STEY
37-12-AB	960830	00:00	PG		281.0	7.3	7.81	0.16	0.22	42.24	11.40	179.39	0.11	3.70	3.50	54.02	186.69	240.71	NPK	406	STEY
37-12-AB	960830	03:00	PG		283.0	7.4	7.81												NPK	406	STEY
37-12-AB	960830	06:00	PG		284.0	7.3	7.79	0.16	0.23	42.43	12.27	181.22	0.13	3.89	3.54	55.09	188.79	243.87	NPK	406	STEY
37-12-AB	960830	09:00	PG		285.0	7.4	7.81												NPK	406	STEY
37-12-AB	960830	12:00	PG		286.0	7.4	7.80	0.16	0.24	42.11	13.52	184.27	0.11	3.62	3.42	56.03	191.42	247.45	NPK	406	STEY
37-12-AB	960830	15:00	PG		288.0	7.3	7.77												NPK	406	STEY
37-12-AB	961022	10:30	S	300.00	228.3	6.8	7.71	0.16	0.23	34.79	9.58	143.39	0.22	2.52	3.07	44.76	149.20	193.96	NPK	406	STEY
37-12-AB	961025	17:45	S	150.00	303.0	6.9	7.78	0.16	0.28	40.69	15.43	190.98	0.35	3.97	4.81	56.55	200.10	256.65	NPK	406	STEY

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Hauptbestandteile

Kurzbez.	Entnahme JMMTT	Uhrzeit hhmm	Q-Art	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (°C)	pH- Wert	Na ⁺ (mg/l)	K ⁺ (mg/l)	Ca ⁺⁺ (mg/l)	Mg ⁺⁺ (mg/l)	HCO ₃ ⁻ (mg/l)	Cl ⁻ (mg/l)	NO ₃ ⁻ (mg/l)	SO ₄ ⁺⁺ (mg/l)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Labor	GIS_ID	Kurz- name
37-12-AB	970226	14:15	HD (l/s)	108.00	267.0	6.4	7.88	0.27	0.20	38.66	12.13	159.25	0.36	11.91	4.28	51.27	175.79	227.06	NPK	406	STEY
37-12-AB	970414	15:00	PG (cm)	136.00	243.0	6.3	7.88	0.50	0.60	37.53	14.04	169.62	0.41	6.51	3.96	52.66	180.50	233.17	NPK	406	STEY
37-12-AB	970414	18:00	PG (cm)	136.00	246.0	6.3	7.88	0.25	0.22	35.97	13.59	171.45	0.33	6.47	3.95	50.03	182.20	232.24	NPK	406	STEY
37-12-AB	970414	21:00	PG (cm)	137.00	247.0	6.3	7.92	0.35	0.37	35.70	13.60	172.06	0.38	6.37	4.01	50.01	182.83	232.84	NPK	406	STEY
37-12-AB	970415	00:00	PG (cm)	137.00	247.0	6.3	7.90	0.36	0.23	36.69	13.89	171.45	0.41	6.61	4.09	51.17	182.56	233.73	NPK	406	STEY
37-12-AB	970415	03:00	PG (cm)	137.00	248.0	6.3	7.88	0.26	0.24	36.58	13.83	170.84	0.57	6.49	4.02	50.91	181.93	232.84	NPK	406	STEY
37-12-AB	970415	06:00	HD (l/s)	137.00	249.0	6.3	7.88	0.69	0.82	35.99	13.86	171.45	0.46	6.42	4.11	51.36	182.44	233.80	NPK	406	STEY
37-12-AB	970415	09:00	PG (cm)	139.00	252.0	6.3	7.91	0.27	0.23	37.02	14.04	174.51	0.43	6.49	4.18	51.55	185.60	237.15	NPK	406	STEY
37-12-AB	970415	12:00	PG (cm)	139.00	256.0	6.4	7.82	0.36	0.37	37.03	14.34	177.56	0.49	6.35	4.05	52.09	188.45	240.54	NPK	406	STEY
37-12-AB	970415	15:00	PG (cm)	139.00	251.0	6.4	7.87	0.44	0.34	36.65	13.84	177.56	0.64	6.13	4.00	51.27	188.33	239.60	NPK	406	STEY
37-12-AB	970415	18:00	PG	139.00	253.0	6.4	7.87	0.47	0.46	36.71	13.81	171.45	0.44	6.35	4.19	51.45	182.43	233.88	NPK	406	STEY
37-12-AB	970415	21:00	PG	138.00	254.0	6.4	7.87	0.26	0.24	41.31	14.48	176.95	0.38	6.44	4.12	56.29	187.88	244.17	NPK	406	STEY
37-12-AB	970416	00:00	PG	138.00	251.0	6.4	7.88	0.26	0.25	36.96	13.56	180.00	0.39	6.58	4.11	51.02	191.07	242.08	NPK	406	STEY
37-12-AB	970416	06:00	PG	137.00	248.0	6.4	7.80	0.26	0.26	37.51	13.44	171.45	0.36	6.67	3.94	51.47	182.42	233.89	NPK	406	STEY
37-12-AB	970416	12:00	PG	137.00	246.0	6.4	7.87	0.24	0.28	35.91	13.63	167.79	0.41	6.89	3.93	50.06	178.83	228.88	NPK	406	STEY
37-12-AB	970416	18:00	PG	136.00	245.0	6.4	7.88	0.27	0.23	38.20	13.50	167.18	0.39	6.70	3.96	52.20	178.24	230.44	NPK	406	STEY
37-12-AB	970417	00:00	PG	136.00	249.0	6.4	7.88	0.34	0.35	36.05	13.74	171.45	0.40	6.72	4.07	50.48	182.64	233.12	NPK	406	STEY
37-12-AB	970417	06:00	PG	136.00	252.0	6.4	7.88	0.28	0.30	35.84	13.96	176.34	0.40	6.55	4.05	50.39	187.33	237.72	NPK	406	STEY
37-12-AB	970417	12:00	PG	135.00	254.0	6.4	7.86	0.27	0.25	36.27	14.25	175.73	0.45	6.48	4.06	51.04	186.73	237.77	NPK	406	STEY
37-12-AB	970417	19:30	PG	136.50	257.0	6.4	7.87	0.25	0.24	37.06	14.76	181.83	0.41	6.41	4.03	52.31	192.68	244.99	NPK	406	STEY
37-12-AB	970418	08:15	PG	134.00	260.0	6.4	7.86	0.22	0.21	31.69	13.06	61.02	0.36	6.31	4.04	45.17	71.73	116.90	NPK	406	STEY
37-12-AB	970418	19:30	PG	135.00	260.0	6.4	7.86	0.31	0.28	36.06	14.53	182.44	0.39	6.08	4.16	51.18	193.06	244.25	NPK	406	STEY
37-12-AB	970514	19:30	HD (l/s)	920.00	186.0	5.9	8.09	0.25	0.15	29.30	4.67	114.71	0.25	6.02	2.20	34.37	123.19	157.56	NPK	406	STEY
37-12-AB	970705	15:00	PG	122.00	306.0	6.9	7.79	0.37	0.34	37.72	14.80	196.47	0.53	6.38	4.43	53.22	207.81	261.03	NPK	406	STEY
37-12-AB	970705	18:00	PG	122.00	307.0	6.9	7.72	0.25	0.21	38.24	14.95	196.47	0.23	6.59	4.34	53.65	207.63	261.28	NPK	406	STEY
37-12-AB	970705	21:00	PG	122.00	306.0	6.9	7.91	0.28	0.22	39.53	15.24	197.08	0.42	4.84	3.45	55.27	205.79	261.07	NPK	406	STEY
37-12-AB	970706	00:00			306.0	6.9	7.89	0.33	0.33	40.20	15.51	195.86	0.49	6.33	4.50	56.36	207.17	263.53	NPK	406	STEY
37-12-AB	970706	03:00																	NPK	406	STEY
37-12-AB	970706	06:00																	NPK	406	STEY
37-12-AB	970706	09:00																	NPK	406	STEY
37-12-AB	970706	12:00			213.0	6.6	7.64	0.21	0.18	32.64	7.49	132.40	0.26	4.44	2.27	40.52	139.38	179.90	NPK	406	STEY
37-12-AB	970706	15:00			222.0	6.8	7.79	0.21	0.19	33.17	8.30	138.51	0.21	4.52	2.30	41.87	145.53	187.40	NPK	406	STEY
37-12-AB	970706	18:00			232.0	6.8	7.85	0.21	0.16	33.63	9.04	145.22	0.26	4.51	2.39	43.03	152.38	195.41	NPK	406	STEY
37-12-AB	970706	21:00			232.0	6.7	7.57	0.28	0.16	33.40	9.04	146.44	0.22	4.42	2.50	42.88	153.58	196.46	NPK	406	STEY
37-12-AB	970707	00:00			236.0	6.7	7.83	0.22	0.18	37.26	9.81	147.66	0.22	4.56	2.52	47.47	154.95	202.43	NPK	406	STEY
37-12-AB	970707	03:00	PG	200.00	238.0	6.7	7.87	0.19	0.16	31.40	8.89	150.71	0.89	4.52	2.66	40.65	158.78	199.44	NPK	406	STEY
37-12-AB	970707	06:00	PG	140.00	240.0	6.7	7.88	0.24	0.19	34.26	9.89	150.71	0.80	3.82	2.23	44.58	157.55	202.13	NPK	406	STEY
37-12-AB	970707	09:00	PG	138.00	241.0	6.7	7.87	0.24	0.19	33.93	9.89	151.32	0.07	4.70	2.73	44.25	158.81	203.06	NPK	406	STEY
37-12-AB	970707	12:00			244.0	6.7	7.86	0.25	0.21	9.88	5.10	157.42	0.24	5.09	2.79	15.44	165.55	180.99	NPK	406	STEY
37-12-AB	970707	15:00			217.0	6.4	7.91	0.21	0.18	34.09	6.25	137.90	0.24	5.42	2.91	40.73	146.47	187.19	NPK	406	STEY
37-12-AB	970707	18:00			217.0	6.4	7.92	0.22	0.17	32.51	6.16	139.73	0.20	3.98	2.46	39.07	146.36	185.43	NPK	406	STEY

NATIONALPARK KALKALPEN
Planungsabschnitt Ost
Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Hauptbestandteile

Kurzbez.	Entnahme JJMMTT	Uhrzeit hhmm	Q-Art	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (°C)	pH- Wert	Na ⁺ (mg/l)	K ⁺ (mg/l)	Ca ⁺⁺ (mg/l)	Mg ⁺⁺ (mg/l)	HCO ₃ ⁻ (mg/l)	Cl ⁻ (mg/l)	NO ₃ ⁻ (mg/l)	SO ₄ ⁺⁺ (mg/l)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Labor	GIS_ID	Kurz- name
37-12-AB	970707	21:00			216.0	6.5	7.79	0.21	0.16	33.99	6.50	137.90	0.18	3.68	2.28	40.86	144.04	184.90	NPK	406	STEY
37-12-AB	970708	00:00			220.0	6.6	7.91	0.23	0.20	33.30	7.70	139.73	0.18	3.32	1.93	41.44	145.16	186.59	NPK	406	STEY
37-12-AB	970708	03:00			226.0	6.6	7.90	0.27	0.26	27.93	6.74	142.78	0.26	4.00	2.35	35.20	149.38	184.58	NPK	406	STEY
37-12-AB	970708	06:00			229.0	6.6	7.87	0.22	0.19	27.08	6.81	144.61	0.39	4.47	2.35	34.30	151.82	186.13	NPK	406	STEY
37-12-AB	970708	09:00	PG	148.00	227.0	6.6	7.93	0.21	0.17	36.47	8.94	146.44	0.39	4.05	2.44	45.78	153.32	199.10	NPK	406	STEY
37-12-AB	970708	12:00	PG	143.00	230.0	6.6		0.22	0.19	32.61	8.22	147.05	0.28	4.22	2.58	41.23	154.13	195.36	NPK	406	STEY
37-12-AB	970708	15:00	PG	140.00	236.0	6.6	7.92	0.19	0.14	35.14	9.03	147.66	0.25	4.68	2.52	44.50	155.11	199.60	NPK	406	STEY
37-12-AB	970708	18:00	PG	139.00	240.0	6.6		0.27	0.24	27.27	7.33	169.62	0.20	4.31	2.59	35.11	176.73	211.84	NPK	406	STEY
37-12-AB	970708	21:00	PG	139.00	244.0	6.6	7.92	0.25	0.23	35.75	9.89	152.54	0.29	7.68	2.58	46.11	163.09	209.20	NPK	406	STEY
37-12-AB	970709	00:00	PG	139.00	247.0	6.7	7.88	0.24	0.22	36.21	10.33	154.98	0.39	4.33	2.85	47.00	162.54	209.54	NPK	406	STEY
37-12-AB	970709	03:00	PG	139.00	250.0	6.8	7.87	0.24	0.24	37.69	10.36	158.64	0.13	4.45	2.88	48.52	166.10	214.63	NPK	406	STEY
37-12-AB	970709	06:00	PG	137.00	253.0	6.8	7.92	0.23	0.19	36.30	10.85	161.08	0.43	4.95	2.85	47.57	169.31	216.88	NPK	406	STEY
37-12-AB	970709	12:00	PG	137.50	258.0	6.8	7.85	0.23	0.20	37.09	11.56	167.79	0.22	4.99	2.86	49.08	175.85	224.94	NPK	406	STEY
37-12-AB	970709	18:00	PG	137.00	264.0	6.8	7.78	0.24	0.24	36.65	12.01	169.01	0.26	4.86	2.84	49.14	176.97	226.11	NPK	406	STEY
37-12-AB	970710	00:00	PG	137.00	268.0	6.8	7.78	0.21	0.17	31.05	10.54	169.62	0.26	5.19	3.07	41.97	178.13	220.10	NPK	406	STEY
37-12-AB	970710	06:00	PG	137.00	277.0	6.8	7.84	0.21	0.18	39.53	14.33	170.84	0.27	5.27	3.26	54.25	179.64	233.90	NPK	406	STEY
37-12-AB	970710	12:30	PG	136.00	284.0	6.8	7.79	0.27	0.21	38.41	13.98	179.39	0.18	5.52	3.47	52.87	188.56	241.42	NPK	406	STEY
37-12-AB	970710	18:00	PG	138.50	287.0	6.9	7.81	0.28	0.24	38.57	14.30	195.25	0.45	5.64	3.57	53.39	204.90	258.29	NPK	406	STEY
37-12-AB	970711	00:00	PG	138.00	261.0	6.7	7.80	0.41	0.28	38.11	10.88	167.18	0.16	4.98	3.35	49.68	175.67	225.34	NPK	406	STEY
37-12-AB	970711	06:00	PG	137.50	265.0	6.7	7.78	0.20	0.18	38.12	11.38	169.01	0.25	5.16	3.17	49.89	177.60	227.48	NPK	406	STEY
37-12-AB	970711	12:00	PG	137.50	272.0	6.8	7.82	0.26	0.22	39.43	12.07	172.06	0.33	5.42	3.29	51.98	181.11	233.08	NPK	406	STEY
37-12-AB	970711	18:00	PG	136.50	274.0	6.8	7.89	0.22	0.18	42.75	13.16	173.90	0.26	5.41	3.39	56.32	182.96	239.27	NPK	406	STEY
37-12-AB	970820	12:10	PG	130.00	304.0	6.8	7.93	0.24	0.22	42.06	15.10	197.69	0.24	5.14	4.20	57.62	207.27	264.89	NPK	406	STEY
37-14-01-AG	960123			0.00								61.02					61.02	61.02	NPK	783	HIL
37-14-03-A	960123		HD (1/s)	68.00	368.0	6.8	8.00	0.28	0.33	33.64	15.85	239.18	0.55	3.89	8.13	50.10	251.75	301.85	NPK	812	WEL
37-14-03-A	960504		HD (1/s)	295.00	340.0	7.4	7.94	0.30	0.35	40.64	16.78	206.84	0.30	5.34	12.27	58.07	224.76	282.83	NPK	812	WEL
37-14-03-A	960711	11:30	S	90.00	347.0	7.5	7.79	0.19	0.36	32.78	17.00	209.89	0.24	5.20	11.28	50.33	226.61	276.94	NPK	812	WEL
37-14-03-A	970226	10:45	HD (1/s)	117.00	342.0	6.8	7.78	0.73	0.34	45.55	17.07	205.62	0.39	8.16	9.45	63.70	223.62	287.32	NPK	812	WEL
37-14-03-A	970515	13:10	HD (1/s)	220.00	358.0	7.5	7.95	0.38	0.38	47.07	18.17	198.91	0.28	7.41	12.72	65.90	219.33	285.23	NPK	812	WEL
37-14-03-A	970820	12:30	S	200.00	361.0	7.6	7.87	0.46	0.42	48.74	18.34	219.05	0.36	7.20	12.47	67.95	239.07	307.02	NPK	812	WEL
37-19-ABB	960123		S	1.50	704.0	8.6	7.60	0.73	0.36	99.36	26.86	251.39	0.39	1.96	72.00	127.31	325.74	453.05	NPK	521	KÖHL
37-19-ABB	960504		S	2.00	703.0	9.1	7.50	0.27	0.56	84.46	24.62	250.17	0.28	2.79	207.27	109.91	460.50	570.41	NPK	521	KÖHL
37-19-ABB	960712	19:45	S	1.00	722.0	9.2	7.40	0.39	0.80	114.72	28.54	242.84	0.43	3.43	194.11	144.46	440.82	585.28	NPK	521	KÖHL
37-19-ABB	961025	08:30	S	5.00	722.0	8.8	7.47	0.27	0.86	116.26	28.43	245.89	0.51	3.50	191.36	145.82	441.26	587.08	NPK	521	KÖHL
37-19-ABB	970515	13:45	S	5.00	713.0	9.1	7.55	1.11	0.98	107.39	28.37	244.67	0.52	4.75	189.12	137.85	439.06	576.91	NPK	521	KÖHL
37-19-ABB	970820	13:00	S	1.00	710.0	9.5	7.55	1.05	0.78	102.89	26.94	242.23	0.46	3.86	197.00	131.65	443.54	575.19	NPK	521	KÖHL
37-21-M	960125		S	10.00	468.0	3.6	8.19	0.50	0.23	51.67	18.22	238.57	0.24	1.52	63.83	70.62	304.16	374.78	NPK	569	WULU
37-21-M	960503		S	10.00	358.0	8.1	8.20	0.25	0.46	44.27	14.91	187.32	0.39	4.82	31.60	59.89	224.13	284.01	NPK	569	WULU
37-21-M	960713	11:30	S	5.00	357.0	9.4	7.75	0.29	0.51	38.77	15.04	205.62	0.23	4.00	23.19	54.61	233.04	287.65	NPK	569	WULU
37-21-M	961022	16:00	S	8.00	406.4	8.9	7.49	0.43	0.50	62.07	15.08	242.23	0.46	3.41	19.38	78.09	265.48	343.56	NPK	569	WULU
37-21-M	970226	15:00	S	5.00	389.0	6.0	8.08	1.02	0.50	56.57	17.24	201.35	0.50	7.11	38.05	75.33	247.01	322.34	NPK	569	WULU

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

Feldparameter & Hauptbestandteile

[illegible]

ANHANG A-2

FELDPARAMETER & ÄQUIVALENTKONZENTRATIONEN

Erläuterungen:

Spalte Kurzbez.: Bezeichnung innerhalb des NPK-Flußnummernsystems; wenn nicht verfügbar, dann Bezeichnung nach zur Verfügung stehenden Unterlagen

Spalte Entnahme JJMMTT: Entnahmedatum der Probe.

Spalte Uhrzeit: In Einzelfällen wurde auch die Uhrzeit der Entnahme angeführt.

Spalte Q (Vs): Schüttung, Abfluß bzw. Durchfluß in Litern pro Sekunde.

Spalte El. Leitf. ($\mu\text{S}/\text{cm}$ b. $25\text{ }^{\circ}\text{C}$): Elektrische Leitfähigkeit des Wassers in Mikrosiemens pro Zentimeter bezogen auf die Referenztemperatur von $25\text{ }^{\circ}\text{C}$.

Spalte Temp. ($^{\circ}\text{C}$): Wassertemperatur in Grad Celsius gemessen mit dem Temperaturfühler der Leitfähigkeitselektrode.

Spalte pH-Wert: pH-Wert des Wassers, elektrometrisch gemessen

Spalten Na^+ , K^+ , Ca^{2+} , Mg^{2+} , HCO_3^- , Cl^- , NO_3^- , SO_4^{2-} : Ionogene Hauptbestandteile in meq/l (Milliäquivalent/l). Die nicht SI-konforme Angabe in Milliäquivalent wurde aus Gründen der einfacheren Lesbarkeit insbesondere für Vergleiche im Rahmen der Ionenbilanz gewählt.

Spalten Kationen, Anionen, Gesamt: Summe der Kationen, der Anionen und der Kationen+Anionen in meq/l.

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Äquivalentkonzentrationen

Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (°C)	pH- Wert	Na ⁺ (meq/l)	K ⁺ (meq/l)	Ca ⁺⁺ (meq/l)	Mg ⁺⁺ (meq/l)	HCO ₃ ⁻ (meq/l)	Cl ⁻ (meq/l)	NO ₃ ⁻ (meq/l)	SO ₄ ⁻⁻ (meq/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)
33-138-1-CE	960124		18.00	349.0	6.4	8.05	0.058	0.014	1.901	0.796	2.060	0.010	0.012	0.705	2.77	2.79	5.56
33-138-1-CE	960502		10.00	337.0	6.8	7.95	0.026	0.064	1.979	1.120	1.630	0.040	0.048	1.634	3.19	3.35	6.54
33-138-1-CE	960712	16:40	10.00	305.0	7.0	7.86	0.026	0.037	1.960	1.031	1.640	0.037	0.045	1.412	3.05	3.13	6.19
33-138-1-CE	961023	15:00	15.00	268.6	6.9	7.69	0.033	0.041	1.764	0.855	1.640	0.035	0.043	1.088	2.69	2.81	5.50
33-138-1-CE	970227	14:45	6.00	353.0	6.9	7.92	0.097	0.019	2.348	1.217	1.770	0.041	0.058	1.765	3.68	3.63	7.31
33-138-1-CE	970513	14:30	20.00	319.0	7.1	7.97	0.091	0.018	2.004	1.063	1.750	0.040	0.068	1.421	3.18	3.28	6.46
33-138-1-CE	970819	12:30	10.00	320.0	7.1	7.82	0.094	0.019	1.582	0.668	1.780	0.037	0.053	1.420	2.36	3.29	5.65
33-138-13-AA	960124		25.00	335.0	7.8	8.13	0.008	0.001	1.277	1.057	3.610	0.013	0.045	0.097	2.34	3.77	6.11
33-138-13-AA	960502		70.00	283.0	6.9	8.02	0.005	0.006	1.461	1.277	2.930	0.007	0.060	0.100	2.75	3.10	5.85
33-138-13-AA	960712	17:30	80.00	295.0	7.4	7.92	0.005	0.006	1.347	1.064	3.190	0.000	0.046	0.070	2.42	3.31	5.73
33-138-13-AA	961023	17:15	60.00	305.0	7.4	7.70	0.010	0.009	2.177	1.208	3.160	0.008	0.042	0.116	3.40	3.33	6.73
33-138-13-AA	970227	13:45	60.00	280.0	6.9	7.88	0.014	0.004	1.916	1.175	2.840	0.023	0.121	0.113	3.11	3.10	6.20
33-138-13-AA	970513	15:45	60.00	310.0	7.2	8.00	0.014	0.003	1.924	1.407	3.190	0.011	0.075	0.106	3.35	3.38	6.73
33-138-13-AA	970819	14:15	40.00	341.0	8.0	7.84					3.560					3.56	3.56
33-138-2-	961023	16:10	25.00	224.3	6.0	7.76	0.015	0.008	2.274	0.103	2.140	0.013	0.068	0.148	2.40	2.37	4.77
33-138-2-	970513	14:45	50.00	221.0	5.6	8.24	0.016	0.006	2.053	0.093	2.010	0.014	0.095	0.154	2.17	2.27	4.44
33-138-2-	970819	15:00	30.00	221.0	6.0	8.09	0.015	0.005	2.072	0.109	2.070	0.012	0.081	0.188	2.20	2.35	4.55
33-138-7-AA	960124																
33-138-7-AA	960502		25.00	217.0	7.0	8.14	0.008	0.006	1.737	0.390	2.140	0.003	0.052	0.102	2.14	2.30	4.44
33-138-7-AA	960712	17:10	100.00	260.0	7.1	7.99	0.014	0.007	1.847	0.357	2.680	0.000	0.039	0.083	2.22	2.80	5.03
33-138-7-AA	961023	16:40	15.00	267.6	6.9	7.77	0.014	0.013	2.491	0.324	2.620	0.007	0.035	0.188	2.84	2.85	5.69
33-138-7-AA	970227	14:10	15.00	244.0	6.7	8.03	0.022	0.007	2.284	0.297	2.320	0.018	0.138	0.109	2.61	2.58	5.19
33-138-7-AA	970513	15:15	50.00	193.0	7.2	8.13	0.027	0.006	1.754	0.150	1.930	0.007	0.044	0.063	1.94	2.04	3.98
33-138-7-AB	970819	14:30	20.00	301.0	7.6	7.97	0.031	0.011	2.674	0.357	3.960	0.009	0.046	0.227	3.07	4.24	7.32
34-02-1-ABC	960124		10.00	263.0	4.9	8.09	0.031	0.103	0.980	0.749	3.340	0.029	0.029	0.057	1.86	3.46	5.32
34-02-1-ABC	960502		50.00	276.0	4.7	8.03	0.005	0.011	1.348	1.193	2.880	0.006	0.064	0.068	2.56	3.02	5.57
34-02-1-ABC	960712	15:00	60.00	270.0	5.1	7.94	0.007	0.011	1.464	1.121	2.920	0.002	0.055	0.056	2.60	3.03	5.64
34-02-1-ABC	961023	14:20	100.00	279.4	5.1	7.78	0.007	0.010	1.839	1.226	3.020	0.007	0.050	0.060	3.08	3.14	6.22
34-02-1-ABC	970514	14:50	80.00	265.0	5.1	8.00	0.021	0.004	1.750	1.138	2.800	0.009	0.077	0.042	2.91	2.93	5.84
34-02-1-ABC	970821	18:00	50.00	288.0	5.1	7.96	0.014	0.004	1.652	1.156	3.020	0.008	0.060	0.044	2.83	3.13	5.96
34-02-3-ECB	960502		25.00	325.0	6.0	7.98	0.005	0.007	1.423	1.648	3.400	0.010	0.088	0.092	3.08	3.59	6.67
34-02-3-ECB	960712	13:00	30.00	330.0	7.1	7.78	0.005	0.006	1.541	1.729	3.520	0.003	0.067	0.078	3.28	3.67	6.95
34-02-3-ECB	961023	12:30	40.00	333.6	6.8	7.62	0.012	0.006	1.917	1.776	3.640	0.012	0.053	0.080	3.71	3.79	7.50
34-02-3-ECB	970514	13:30	8.00	329.0	6.1	7.87	0.015	0.004	1.900	1.792	3.500	0.012	0.106	0.075	3.71	3.69	7.40
34-02-3-ECB	970821	15:00	10.00	355.0	7.3	7.77	0.011	0.004	2.361	1.939	3.750	0.009	0.075	0.077	4.31	3.91	8.23
34-02-3-GB	960126		344.00	283.0	7.0	8.31	0.010	0.002	1.556	0.652	2.890	0.017	0.056	0.212	2.22	3.17	5.39
34-02-3-GB	960502		3000.00														
34-02-3-GB	970821	11:00	500.00	327.0	7.5	7.97	0.071	0.008	2.409	0.901	2.760	0.053	0.035	0.648	3.39	3.50	6.88
34-02-3-J	960126		30.00	252.0	6.8	8.27	0.010	0.002	1.606	0.608	2.980	0.011	0.027	0.110	2.23	3.13	5.35
34-02-3-J	960502		40.00	217.0	6.8	8.19	0.000	0.005	1.407	0.549	2.140	0.001	0.078	0.089	1.96	2.31	4.27
34-02-3-J	960712	12:10	45.00	252.0	7.1	7.99	0.004	0.006	1.880	0.623	2.640	0.004	0.056	0.089	2.51	2.79	5.30

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Äquivalentkonzentrationen

Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (°C)	pH- Wert	Na ⁺ (meq/l)	K ⁺ (meq/l)	Ca ⁺⁺ (meq/l)	Mg ⁺⁺ (meq/l)	HCO ₃ ⁻ (meq/l)	Cl ⁻ (meq/l)	NO ₃ ⁻ (meq/l)	SO ₄ ⁻⁻ (meq/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)
34-02-3-J	961023	12:00	40.00	225.3	7.0	7.83	0.009	0.007	2.010	0.413	2.340	0.012	0.046	0.078	2.44	2.48	4.92
34-02-3-J	970227	10:00	40.00	267.0	7.2	7.85	0.035	0.003	2.175	0.710	2.510	0.019	0.104	0.219	2.92	2.85	5.78
34-02-3-J	970514	11:00	30.00	204.0	7.2	8.12	0.010	0.003	1.648	0.417	2.060	0.009	0.092	0.048	2.08	2.21	4.29
34-02-3-J	970821	12:15	35.00	321.0	7.5	8.01	0.072	0.010	2.256	0.834	2.750	0.047	0.040	0.569	3.17	3.41	6.58
34-02-4-1-ACA	960502		70.00	281.0	5.6	7.89	0.011	0.005	1.554	1.294	2.940	0.006	0.067	0.073	2.86	3.09	5.95
34-02-4-1-ACA	960712	13:40	80.00	301.0	5.5	7.76	0.008	0.006	1.325	1.183	3.180	0.000	0.044	0.064	2.52	3.29	5.81
34-02-4-1-ACA	970514	13:50	50.00	283.0	5.5	7.82	0.015	0.004	1.707	1.333	3.010	0.009	0.081	0.058	3.06	3.16	6.22
34-02-4-1-ACA	970821	15:30	25.00	297.0	5.6	7.81	0.010	0.006	2.181	0.950	3.170	0.007	0.057	0.083	3.15	3.32	6.46
34-02-4-2-DBC	960126		2.00	239.0	5.0	8.29	0.012	0.004	1.785	0.358	2.550	0.020	0.101	0.088	2.16	2.76	4.92
34-02-4-2-DBC	960502		25.00	206.0	5.4	8.17	0.005	0.006	1.512	0.486	1.930	0.005	0.131	0.089	2.01	2.15	4.16
34-02-4-2-DBC	960712	10:30	30.00	224.0	5.7	8.03	0.039	0.007	1.168	0.522	2.250	0.027	0.102	0.079	1.74	2.46	4.19
34-02-4-2-DBC	961023	10:30	30.00	210.6	5.7	7.92	0.007	0.007	1.808	0.451	2.160	0.009	0.073	0.080	2.27	2.32	4.59
34-02-4-2-DBC	970227	12:00	10.00	284.0	5.1	7.98	0.016	0.004	2.042	0.541	2.430	0.011	0.164	0.076	2.60	2.68	5.28
34-02-4-2-DBC	970514	12:00	5.00	195.0	5.5	8.14	0.011	0.003	1.667	0.326	1.700	0.010	0.106	0.057	2.01	1.87	3.88
34-02-4-2-DBC	970821	13:15	10.00	227.0	6.0	8.05	0.012	0.004	1.936	0.356	2.280	0.007	0.064	0.075	2.31	2.43	4.73
34-02-4-2-F	960126		5.00	305.0	6.4	8.25	0.010	0.002	1.307	0.645	3.500	0.008	0.037	0.058	1.96	3.60	5.57
34-02-4-2-F	960502		20.00	232.0	6.5	8.07	0.007	0.016	1.429	0.650	2.300	0.000	0.079	0.080	2.10	2.46	4.56
34-02-4-2-F	960712	11:00	50.00	288.0	6.9	7.96	0.008	0.008	1.789	0.794	3.000	0.002	0.053	0.065	2.60	3.12	5.72
34-02-4-2-F	961023	11:00	40.00	273.5	7.0	7.79	0.008	0.008	2.180	0.794	2.900	0.005	0.043	0.077	2.99	3.03	6.02
34-02-4-2-F	970227	12:30	15.00	258.0	6.4	8.01	0.019	0.006	2.045	0.686	2.570	0.014	0.134	0.067	2.76	2.79	5.54
34-02-4-2-F	970514	12:20	15.00	229.0	6.4	8.09	0.014	0.005	1.819	0.567	2.420	0.010	0.079	0.051	2.41	2.56	4.97
34-02-4-2-F	970821	13:45	10.00	324.0	7.5	7.97	0.027	0.008	2.291	1.492	3.370	0.011	0.072	0.085	3.82	3.54	7.35
34-02-4-2-I	960126		12.00	301.0	6.6	8.16	0.013	0.004	1.472	0.898	3.190	0.013	0.062	0.103	2.39	3.37	5.76
34-02-4-2-I	960502		60.00	289.0	7.0	8.11	0.008	0.007	1.868	1.047	2.900	0.006	0.093	0.106	2.93	3.11	6.04
34-02-4-2-I	960712	11:30	100.00	297.0	6.9	8.02	0.013	0.008	1.538	1.032	3.050	0.007	0.089	0.098	2.59	3.24	5.84
34-02-4-2-I	961023	11:30	100.00	305.0	6.7	7.97	0.013	0.007	2.347	1.012	3.180	0.009	0.084	0.103	3.38	3.38	6.76
34-02-4-2-I	970227	13:00	30.00	296.0	6.4	7.85	0.020	0.008	2.049	0.948	2.960	0.015	0.129	0.090	3.02	3.19	6.22
34-02-4-2-I	970514	12:40	50.00	287.0	7.2	7.88	0.019	0.009	2.037	0.997	2.930	0.011	0.108	0.093	3.06	3.14	6.20
34-02-4-2-I	970821	14:00	30.00	301.0	7.6	7.92	0.017	0.009	2.126	1.025	3.080	0.009	0.093	0.095	3.18	3.28	6.45
34-09-C	960126		50.00	323.0	4.5	8.11	0.027	0.005	1.647	0.964	3.240	0.012	0.037	0.174	2.64	3.46	6.11
34-09-C	960502		200.00	259.0	7.0	8.03	0.008	0.012	1.588	0.819	2.550	0.009	0.076	0.179	2.43	2.81	5.24
34-09-C	960712	18:30	250.00	303.0	7.6	7.94	0.009	0.010	1.630	1.023	3.050	0.004	0.069	0.125	2.67	3.25	5.92
34-09-C	970227	09:30	50.00	282.0		7.81	0.036	0.006	2.143	0.924	2.750	0.014	0.127	0.170	3.11	3.06	6.17
34-09-C	970514	10:30	150.00	263.0	7.7	8.10	0.040	0.006	1.934	0.802	2.570	0.015	0.076	0.181	2.78	2.84	5.62
34-09-C	970821	09:50	100.00	333.0	10.3	8.10	0.047	0.013	2.014	0.959	3.290	0.018	0.055	0.300	3.03	3.66	6.70
34-09-E	970514	10:00	1.00	402.0	8.4	7.66	0.055	0.008	2.378	1.988	4.110	0.030	0.092	0.237	4.43	4.47	8.90
34-09-E	970821	09:30	0.50	498.0	8.5	7.61	0.145	0.013	3.078	2.518	4.720	0.091	0.066	0.632	5.75	5.51	11.26
34-16-1-OA	960126		8.00	383.0	7.7	7.68	0.010	0.005	1.976	1.670	4.210	0.013	0.048	0.085	3.66	4.36	8.02
34-16-1-OA	960502		5.00	380.0	7.7	7.71	0.005	0.006	1.768	1.917	4.060	0.011	0.073	0.106	3.70	4.25	7.94
34-16-1-OA	960712	09:30	10.00	377.0	7.9	7.65	0.005	0.006	1.550	1.955	4.020	0.010	0.069	0.103	3.52	4.20	7.72
34-16-1-OA	961023	08:40	15.00	384.7	7.7	7.49	0.007	0.007	2.301	1.980	4.230	0.014	0.072	0.105	4.30	4.42	8.72

Anhang A-2

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Äquivalentkonzentrationen

Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (°C)	pH- Wert	Na ⁺ (meq/l)	K ⁺ (meq/l)	Ca ⁺⁺ (meq/l)	Mg ⁺⁺ (meq/l)	HCO ₃ ⁻ (meq/l)	Cl ⁻ (meq/l)	NO ₃ ⁻ (meq/l)	SO ₄ ^{..} (meq/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)
34-16-1-OA	970227	09:00	4.00	380.0	7.7	7.45	0.020	0.012	2.213	1.962	4.160	0.012	0.093	0.099	4.21	4.36	8.57
34-16-1-OA	970414	15:15	4.00	387.0	7.6	7.79	0.013	0.005	2.233	1.932	3.930	0.022	0.076	0.105	4.18	4.13	8.31
34-16-1-OA	970414	18:00	4.00	389.0	7.6	7.77	0.012	0.006	2.278	1.977	4.050	0.012	0.073	0.104	4.27	4.24	8.51
34-16-1-OA	970414	21:00	4.00	389.0	7.6	7.79	0.013	0.006	2.302	2.008	4.080	0.011	0.074	0.100	4.33	4.26	8.59
34-16-1-OA	970415	00:00	4.00	389.0	7.6	7.78	0.012	0.005	2.236	1.959	4.090	0.012	0.073	0.103	4.21	4.28	8.49
34-16-1-OA	970415	03:00	4.00	389.0	7.6	7.77	0.011	0.006	2.410	2.143	4.090	0.011	0.074	0.099	4.57	4.27	8.84
34-16-1-OA	970415	06:00	4.00	389.0	7.6	7.78	0.065	0.006	2.240	1.991	4.090	0.010	0.073	0.102	4.30	4.27	8.58
34-16-1-OA	970415	09:00	4.00	389.0	7.6	7.79	0.012	0.006	2.202	1.964	4.020	0.012	0.075	0.097	4.18	4.20	8.39
34-16-1-OA	970415	12:00	5.00	388.0	7.6	7.68	0.011	0.005	2.251	1.958	3.970	0.011	0.075	0.096	4.22	4.15	8.38
34-16-1-OA	970415	15:00	5.00	385.0	7.6	7.68	0.021	0.015	2.209	1.937	3.950	0.011	0.073	0.098	4.18	4.13	8.31
34-16-1-OA	970415	18:00	5.00	381.0	7.6	7.68	0.011	0.005	2.243	1.946	4.100	0.011	0.073	0.099	4.20	4.28	8.49
34-16-1-OA	970415	21:00	5.00	378.0	7.6	7.68	0.018	0.012	2.190	1.934	4.410	0.012	0.074	0.100	4.15	0.60	4.75
34-16-1-OA	970416	00:00	4.00	378.0	7.6	7.67	0.013	0.007	2.243	1.971	4.030	0.012	0.076	0.104	4.23	4.22	8.46
34-16-1-OA	970416	06:00	4.00	379.0	7.6	7.70	0.053	0.007	2.153	1.882	4.050	0.012	0.075	0.105	4.09	4.24	8.34
34-16-1-OA	970416	12:00	4.00	382.0	7.6	7.69	0.012	0.005	2.277	1.987	4.040	0.012	0.074	0.103	4.28	4.23	8.51
34-16-1-OA	970416	18:00	4.00	382.0	7.6	7.69	0.012	0.006	2.270	2.002	4.050	0.016	0.074	0.100	4.29	4.24	8.53
34-16-1-OA	970417	00:00	4.00	384.0	7.6	7.70	0.012	0.005	2.334	1.992	4.060	0.012	0.074	0.100	4.34	4.25	8.59
34-16-1-OA	970417	06:00	4.00	388.0	7.6	7.70	0.010	0.005	2.241	1.967	4.040	0.007	0.073	0.105	4.22	4.22	8.45
34-16-1-OA	970417	12:00	4.00	388.0	7.6	7.70	0.012	0.005	2.237	2.004	4.100	0.011	0.075	0.103	4.26	4.29	8.55
34-16-1-OA	970514	09:30	3.00	386.0	7.8	7.70	0.011	0.005	2.264	1.993	4.140	0.013	0.102	0.098	4.27	4.35	8.63
34-16-1-OA	970705	15:00	2.50	374.0	7.7	7.67	0.022	0.009	2.281	2.003	4.030	0.020	0.110	0.106	4.31	4.27	8.58
34-16-1-OA	970705	18:00	2.50	383.0	7.7	7.69	0.013	0.006	2.155	1.902	4.080	0.012	0.085	0.103	4.08	4.28	8.36
34-16-1-OA	970705	21:00	2.50	383.0	7.7	7.70	0.011	0.005	2.296	2.055	3.600	0.013	0.087	0.099	4.37	3.80	8.16
34-16-1-OA	970706	00:00	2.50	383.0	7.7	7.70	0.012	0.006	2.289	2.035	4.040	0.012	0.086	0.102	4.34	4.24	8.58
34-16-1-OA	970706	03:00	3.00	382.0	7.8	7.68	0.011	0.007	2.064	1.861	3.760	0.012	0.088	0.089	3.94	3.95	7.89
34-16-1-OA	970706	06:00	3.00	369.0	7.8	7.67	0.030	0.010	1.975	1.764	3.780	0.008	0.059	0.065	3.78	3.91	7.69
34-16-1-OA	970706	09:00	3.00	370.0	7.7	7.70	0.016	0.008	1.948	1.831	3.640	0.006	0.057	0.063	3.80	3.77	7.57
34-16-1-OA	970706	12:00	3.50	367.0	7.8	7.66	0.010	0.005	2.094	1.903	3.930	0.008	0.065	0.072	4.01	4.07	8.09
34-16-1-OA	970706	15:00	3.50	365.0	7.7	7.64	0.011	0.005	2.112	1.929	3.970	0.008	0.073	0.082	4.06	4.13	8.19
34-16-1-OA	970706	18:00	3.50	368.0	7.7	7.68	0.011	0.005	2.188	1.976	4.040	0.019	0.081	0.085	4.18	4.22	8.40
34-16-1-OA	970706	21:00	3.50	371.0	7.7	7.67	0.010	0.004	2.196	1.976	3.980	0.014	0.078	0.086	4.19	4.16	8.34
34-16-1-OA	970707	00:00	3.50	374.0	7.7	7.68	0.014	0.008	2.238	1.964	4.010	0.010	0.083	0.091	4.22	4.19	8.42
34-16-1-OA	970707	03:00	3.50	376.0	7.7	7.65	0.015	0.009	2.204	1.969	4.250	0.011	0.086	0.093	4.20	4.44	8.64
34-16-1-OA	970707	06:00	3.50	377.0	7.7	7.68	0.010	0.004	2.210	1.977	4.050	0.012	0.085	0.095	4.20	4.24	8.44
34-16-1-OA	970707	09:00	3.50	378.0	7.7	7.69	0.016	0.010	2.166	1.971	4.100	0.012	0.087	0.094	4.16	4.29	8.46
34-16-1-OA	970707	12:00	3.50	379.0	7.8	7.69	0.009	0.004	2.099	1.915	4.010	0.010	0.082	0.093	4.03	4.20	8.22
34-16-1-OA	970707	15:00	3.50	378.0	7.8	7.69	0.014	0.008	2.048	1.872	3.910	0.010	0.076	0.088	3.94	4.08	8.03
34-16-1-OA	970707	18:00	3.50	374.0	7.8	7.80	0.014	0.009	2.172	1.993	3.820	0.015	0.067	0.077	4.19	3.98	8.17
34-16-1-OA	970707	21:00	3.50	366.0	7.7	7.61	0.023	0.014	2.118	1.913	4.040	0.009	0.068	0.074	4.07	4.19	8.26
34-16-1-OA	970708	00:00	3.50	364.0	7.7	7.62	0.013	0.008	2.214	1.981	3.950	0.009	0.071	0.076	4.22	4.11	8.32
34-16-1-OA	970708	03:00	3.50	363.0	7.7	7.60	0.009	0.004	2.188	1.976	3.950	0.016	0.076	0.084	4.18	4.13	8.30

Anhang A-2

Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. (μ S/cm b. 25°C)	Temp. (°C)	pH- Wert	Na ⁺ (meq/l)	K ⁺ (meq/l)	Ca ⁺⁺ (meq/l)	Mg ⁺⁺ (meq/l)	HCO ₃ ⁻ (meq/l)	Cl ⁻ (meq/l)	NO ₃ ⁻ (meq/l)	SO ₄ ⁻⁻ (meq/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)
34-16-1-OA	970708	06:00	3.50	368.0	7.7	7.64	0.021	0.007	2.202	1.968	3.960	0.006	0.081	0.087	4.20	4.13	8.33
34-16-1-OA	970708	09:00	3.00	373.0	7.7	7.64	0.012	0.006	2.312	2.015	4.100	0.011	0.084	0.090	4.35	4.28	8.63
34-16-1-OA	970708	12:00	3.00	374.0	7.7	7.65	0.013	0.005	2.195	1.984	4.040	0.007	0.084	0.090	4.20	4.22	8.42
34-16-1-OA	970708	15:00	3.00	375.0	7.7	7.66	0.008	0.004	2.392	2.137	4.050	0.012	0.086	0.091	4.54	4.24	8.78
34-16-1-OA	970708	18:00	3.00	377.0	7.7	7.62	0.008	0.004	2.083	1.866	4.050	0.011	0.086	0.094	3.96	4.24	8.20
34-16-1-OA	970708	21:00	3.00	379.0	7.7	7.66	0.010	0.005	2.236	1.999	4.360	0.014	0.086	0.094	4.25	4.55	8.80
34-16-1-OA	970709	00:00	3.00	379.0	7.7	7.66	0.010	0.004	2.323	2.011	4.070	0.008	0.087	0.094	4.35	4.26	8.61
34-16-1-OA	970709	03:00	3.00	380.0	7.7	7.67	0.010	0.005	2.317	2.004	4.050	0.013	0.088	0.096	4.34	4.25	8.58
34-16-1-OA	970709	06:00	3.00	380.0	7.7	7.67	0.009	0.004	2.278	2.021	4.090	0.015	0.087	0.096	4.31	4.29	8.60
34-16-1-OA	970709	12:00	3.00	383.0	7.7	7.69	0.014	0.009	2.285	2.023	4.090	0.004	0.087	0.100	4.33	4.28	8.61
34-16-1-OA	970709	18:00	2.50	382.0	7.7	7.65	0.011	0.005	2.230	1.991	4.290	0.013	0.086	0.096	4.24	4.48	8.72
34-16-1-OA	970710	00:00	2.50	384.0	7.7	7.64	0.011	0.005	2.264	2.017	4.100	0.013	0.087	0.098	4.30	4.30	8.60
34-16-1-OA	970710	06:00	2.50	384.0	7.7	7.66	0.011	0.004	2.463	1.966	4.090	0.012	0.088	0.097	4.44	4.29	8.73
34-16-1-OA	970710	12:00	2.50	384.0	7.7	7.70	0.013	0.008	2.233	2.005	4.070	0.012	0.090	0.101	4.26	4.27	8.53
34-16-1-OA	970710	18:00	2.50	382.0	7.7	7.65	0.011	0.005	2.249	2.018	4.380	0.012	0.085	0.096	4.28	4.57	8.86
34-16-1-OA	970711	00:00	2.50	381.0	7.7	7.66	0.011	0.005	2.145	1.924	4.150	0.005	0.094	0.097	4.08	4.35	8.43
34-16-1-OA	970711	06:00	2.50	386.0	7.7	7.66	0.010	0.004	2.246	2.013	4.100	0.014	0.095	0.098	4.27	4.31	8.58
34-16-1-OA	970711	12:00	2.50	385.0	7.7	7.68	0.016	0.007	2.245	2.009	4.330	0.011	0.086	0.101	4.28	4.53	8.81
34-16-1-OA	970711	18:00	2.50	386.0	7.7	7.66	0.010	0.005			4.140	0.013	0.093	0.097	0.01	4.34	4.36
34-16-1-OA	970821	09:00	7.00	387.0	7.8	7.70	0.011	0.006	2.266	1.995	4.080	0.011	0.090	0.091	4.28	4.27	8.55
35-01-	960710	17:45	1000.00	167.0	4.7	8.01	0.000	0.003	1.236	0.397	1.760	0.000	0.028	0.031	1.64	1.82	3.45
35-01-	961024	11:30	1000.00	157.4	4.5	8.05	0.003	0.011	1.433	0.271	1.590	0.018	0.028	0.037	1.72	1.67	3.39
35-20-BA	970513	10:30	2640.00	165.0	6.2	8.26	0.013	0.003	1.375	0.292	1.660	0.007	0.072	0.031	1.68	1.77	3.45
35-20-BBA	960124		100.00	236.0	7.0	8.17	0.007	0.004	1.184	0.497	2.600	0.011	0.047	0.062	1.69	2.72	4.41
35-20-BBA	960503		1700.00	171.0	6.0	8.24	0.000	0.003	1.356	0.474	1.740	0.000	0.072	0.050	1.83	1.86	3.70
35-20-BBA	960710	10:50	175.00	205.0	6.3	8.13	0.000	0.005	1.365	0.466	2.100	0.000	0.048	0.053	1.84	2.20	4.04
35-20-BBA	961024	11:30	991.00	190.9	6.3	7.90	0.034	0.006	1.701	0.401	1.960	0.038	0.034	0.052	2.14	2.08	4.23
35-20-BBA	970225	11:00	692.00	230.0	6.7	7.98	0.031	0.015	1.959	0.505	2.270	0.010	0.117	0.053	2.51	2.45	4.96
35-20-BBA	970819	10:30	303.00	229.0	7.0	8.16	0.011	0.006	1.748	0.566	2.350	0.006	0.064	0.064	2.33	2.48	4.82
35-27-AB	960124		15.00	397.0	5.2	7.91	0.007	0.003	1.330	1.049	3.940	0.017	0.077	0.097	2.39	4.13	6.52
35-27-AB	960503		40.00	354.0	7.8	7.88	0.006	0.008	1.614	1.560	3.580	0.019	0.118	0.139	3.19	3.86	7.04
35-27-AB	960710	19:10	40.00	359.0	8.5	7.75	0.006	0.011	1.445	1.605	3.700	0.012	0.096	0.123	3.07	3.93	7.00
35-27-AC	961024	09:30	40.00	361.1	7.9	7.62	0.009	0.010	2.345	1.644	3.760	0.020	0.104	0.130	4.01	4.01	8.02
35-27-AC	970225	09:45	15.00	353.0	7.9	7.90	0.024	0.006	2.315	1.610	3.600	0.019	0.163	0.134	3.96	3.92	7.87
35-27-AC	970513	10:00	30.00	358.0	8.1	7.90	0.009	0.015	2.389	1.633	3.690	0.014	0.139	0.117	4.05	3.96	8.00
35-27-AC	970819	09:15	20.00	359.0	8.2	7.83	0.016	0.005	2.145	1.452	3.740	0.017	0.129	0.128	3.62	4.01	7.63
35-28-DAA	960124		5.00	293.0	5.7	8.12	0.007	0.004	1.246	0.446	3.080	0.013	0.079	0.104	1.70	3.28	4.98
35-28-DAA	960503		20.00	281.0	7.0	8.01	0.003	0.010	1.710	0.481	2.700	0.014	0.162	0.129	2.20	3.01	5.21
35-28-DAA	960710	19:30	15.00	295.0	7.0	7.74	0.008	0.008	1.885	0.500	2.930	0.008	0.109	0.106	2.40	3.15	5.55
35-28-DAA	961024	09:00	15.00	319.8	7.1	7.54	0.008	0.007	2.974	0.446	3.210	0.013	0.077	0.119	3.44	3.42	6.85
35-28-DAA	970225	10:15	8.00	281.0	7.2	7.70	0.014	0.004	2.631	0.445	2.720	0.015	0.188	0.107	3.09	3.03	6.12

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Äquivalentkonzentrationen

Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (°C)	pH- Wert	Na ⁺ (meq/l)	K ⁺ (meq/l)	Ca ⁺⁺ (meq/l)	Mg ⁺⁺ (meq/l)	HCO ₃ ⁻ (meq/l)	Cl ⁻ (meq/l)	NO ₃ ⁻ (meq/l)	SO ₄ ⁻⁻ (meq/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)
35-28-DAA	970513	09:30	10.00	268.0	7.1	7.95	0.014	0.005	2.334	0.423	2.650	0.013	0.150	0.093	2.78	2.91	5.68
35-28-DAA	970819	08:45	5.00	311.0	7.1	7.83	0.022	0.011	2.602	0.676	3.100	0.009	0.120	0.125	3.31	3.35	6.67
35-34-1-AA	960830	10:30	0.50	179.6	2.6	8.26	0.005	0.003	1.621	0.471	1.760	0.000	0.059	0.044	2.10	1.86	3.96
35-34-1-AA	970708	12:30	2.00	179.0	2.6		0.005	0.003	1.411	0.460	1.820	0.005	0.080	0.030	1.88	1.93	3.81
35-34-1-ACB	960422	11:30	12.00	192.0	3.4	7.91	0.009	0.008	1.367	0.545	1.890	0.008	0.093	0.073	1.93	2.06	3.99
35-34-1-ACB	960504		80.00	186.0	1.4	7.79	0.003	0.004	1.299	0.554	1.770	0.010	0.079	0.074	1.86	1.93	3.79
35-34-1-ACB	960711	17:00	25.00	182.0	6.6	8.24	0.004	0.005	0.997	0.583	1.870	0.000	0.063	0.053	1.59	1.99	3.57
35-34-1-ACB	961025	11:00	30.00	187.0	2.6	8.02	0.006	0.005	1.548	0.445	1.900	0.005	0.053	0.058	2.00	2.02	4.02
35-34-1-ACB	970226	12:00	25.00	205.7	3.6	6.21	0.021	0.003	1.652	0.506	2.000	0.009	0.094	0.056	2.18	2.16	4.34
35-34-1-ACB	970515	10:30	30.00	139.0	2.8	7.60	0.007	0.004	2.348	0.426	1.540	0.006	0.088	0.039	2.79	1.67	4.46
35-34-1-ACB	970820	16:30	30.00	177.4	9.8	7.75	0.012	0.006	1.383	0.495	1.760	0.005	0.065	0.044	1.90	1.87	3.77
35-34-1-BCB	960422	12:30	0.05	294.0	1.5	7.66	0.023	0.022	2.014	0.438	3.090	0.010	0.048	0.098	2.50	3.25	5.74
35-34-1-BCB	960829	16:00	1.00	195.2	16.0	7.62	0.022	0.011	1.806	0.313	2.010	0.003	0.004	0.050	2.15	2.07	4.22
35-34-1-BCB	970708	11:00	10.00	169.0	8.1		0.018	0.006	1.856	0.959	1.680	0.005	0.018	0.052	2.84	1.76	4.59
35-34-1-D	960504		30.00	171.0	3.7	7.82	0.007	0.005	1.487	0.397	1.640	0.000	0.072	0.059	1.90	1.77	3.67
35-34-1-D	960711	18:00	15.00	228.0	4.5	7.97	0.012	0.009	1.590	0.422	2.300	0.003	0.053	0.070	2.03	2.43	4.46
35-34-1-D	961025	12:00	10.00	222.0	4.9	8.08	0.010	0.008	2.102	0.320	2.250	0.007	0.039	0.086	2.44	2.38	4.82
35-34-1-D	970226	12:30	3.00	222.4	4.4	7.96	0.031	0.007	2.025	0.323	2.070	0.019	0.246	0.080	2.39	2.42	4.80
35-34-1-D	970515	09:45	15.00	126.0	3.7	7.72	0.008	0.004	1.295	0.211	1.420	0.007	0.060	0.031	1.52	1.52	3.04
35-34-1-D	970820	16:00	5.00	263.0	5.3	7.68	0.026	0.010	2.385	0.495	2.810	0.013	0.069	0.082	2.92	2.97	5.89
35-34-1-ED	960504		200.00	194.0	4.5	8.02	0.009	0.005	1.362	0.574	1.880	0.008	0.092	0.060	1.95	2.04	3.99
35-34-2-CA	960125		7.00	226.0	5.3	8.41	0.010	0.004	0.951	0.695	2.440	0.015	0.070	0.077	1.66	2.60	4.26
35-34-2-CA	960504		143.00	183.0	4.9	8.11	0.003	0.003	1.058	0.741	1.790	0.000	0.086	0.071	1.81	1.95	3.75
35-34-2-CA	960711	08:00	50.00	219.0	6.2	8.11	0.005	0.004	1.181	0.892	2.260	0.000	0.062	0.059	2.08	2.38	4.46
35-34-2-CA	961024	08:00	40.00	222.4	7.4	8.08	0.005	0.004	1.523	0.830	2.290	0.006	0.049	0.059	2.36	2.40	4.77
35-34-2-CA	970226	08:00	123.00	219.0	6.8	8.04	0.012	0.003	1.545	0.884	2.200	0.015	0.132	0.059	2.44	2.41	4.85
35-34-2-CA	970513	07:45	102.00	184.1	5.3	8.31	0.009	0.003	1.216	0.717	1.870	0.008	0.094	0.043	1.95	2.02	3.96
35-34-2-CA	970820	18:30	50.00	235.0	6.9	8.36	0.028	0.013	1.526	0.939	2.440	0.004	0.065	0.051	2.51	2.56	5.07
35-34-7-BA	960125																
35-34-7-BA	960504		416.00	264.0	6.2	7.92	0.006	0.006	1.381	1.020	2.650	0.004	0.090	0.096	2.41	2.84	5.25
35-34-7-BA	960711	09:00	80.00	263.0	6.5	7.93	0.006	0.006	1.935	1.042	2.650	0.001	0.088	0.097	2.99	2.84	5.83
35-34-7-BA	961022	18:00	300.00	275.5	7.0	7.84	0.005	0.007	1.974	1.023	2.820	0.003	0.061	0.094	3.01	2.98	5.99
35-34-7-BA	970226	08:45	71.00	264.0	6.5	7.80	0.020	0.005	1.964	1.011	2.790	0.008	0.085	0.093	3.00	2.98	5.98
35-34-7-BA	970513	08:30	423.00	251.7	6.5	8.03	0.030	0.019	1.720	0.926	2.600	0.008	0.103	0.077	2.70	2.79	5.48
35-34-7-BA	970820	18:00	0.20	252.0	7.1	8.01	0.013	0.007	2.385	1.240	2.600	0.006	0.082	0.079	3.64	2.77	6.41
35-34-7-DA	960125		25.00	322.0	7.2	7.92	0.010	0.005	1.399	0.734	3.390	0.017	0.099	0.142	2.15	3.65	5.80
35-34-7-DA	960504		10.00	287.0	7.4	7.90	0.009	0.007	1.727	0.999	2.810	0.010	0.151	0.121	2.74	3.09	5.83
35-34-7-DA	960711	09:30	30.00	286.0	7.1	7.90	0.008	0.007	1.518	0.923	2.820	0.007	0.144	0.109	2.46	3.08	5.54
35-34-7-DA	961022	17:45	80.00	269.6	7.2	7.78	0.005	0.008	2.147	0.793	2.660	0.009	0.131	0.089	2.95	2.89	5.84
35-34-7-DA	970226	09:15	15.00	314.0	7.3	7.66	0.036	0.006	2.234	1.211	3.130	0.018	0.157	0.122	3.49	3.43	6.91
35-34-7-DA	970513	09:00	30.00	287.6	7.3	7.95	0.018	0.005	2.024	1.012	2.880	0.026	0.195	0.110	3.06	3.21	6.27

Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (° C)	pH- Wert	Na ⁺ (meq/l)	K ⁺ (meq/l)	Ca ⁺⁺ (meq/l)	Mg ⁺⁺ (meq/l)	HCO ₃ ⁻ (meq/l)	Cl ⁻ (meq/l)	NO ₃ ⁻ (meq/l)	SO ₄ ⁻⁻ (meq/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)
35-34-7-DA	970820	17:30	25.00	312.0	7.3	7.86	0.030	0.011	2.157	1.245	3.100	0.013	0.153	0.127	3.44	3.39	6.84
35-43-AB	960125		15.00	339.0	6.8	7.98	0.027	0.007	2.473	0.628	3.300	0.037	0.174	0.255	3.13	3.77	6.90
35-43-AB	960503		25.00	311.0	7.9	8.14	0.008	0.013	2.048	0.601	2.780	0.022	0.203	0.193	2.67	3.20	5.87
35-43-AB	960713	12:30	25.00	318.0	8.9	7.97	0.009	0.013	2.321	0.556	3.020	0.019	0.192	0.199	2.90	3.43	6.33
35-43-AB	961022	16:45	15.00	324.7	7.9	7.78	0.008	0.011	3.055	0.444	3.180	0.015	0.142	0.139	3.52	3.48	6.99
35-43-AB	970226	16:00	15.00	343.0	8.0	7.78	0.039	0.007	2.938	0.689	3.160	0.038	0.202	0.265	3.67	3.66	7.34
35-43-AB	970515	15:20	15.00	333.0	8.3	7.96	0.034	0.009	2.786	0.586	3.030	0.037	0.227	0.248	3.42	3.54	6.96
35-43-AB	970820	16:40	15.00	338.0	8.2	7.96	0.039	0.009	2.778	0.619	3.080	0.035	0.206	0.264	3.45	3.59	7.03
36-01-	961024	16:30		243.0	6.3	7.82	0.015	0.077	2.262	0.215	2.110	0.141	0.037	0.258	2.57	2.55	5.12
36-01-	970225	14:45	241.00	393.0	7.1	7.80	0.843	0.018	2.836	0.479	2.300	0.850	0.089	0.845	4.18	4.08	8.26
36-01-	970513	18:00	1050.00	177.0	5.2	8.19	0.065	0.006	1.568	0.124	1.650	0.049	0.041	0.108	1.76	1.85	3.61
36-01-	970819	16:30		309.0	7.3	7.94	0.352	0.015	2.427	0.296	2.230	0.322	0.039	0.578	3.09	3.17	6.26
36-06-13-BA	961024	15:00	0.25	372.9	9.2	7.43											
36-06-13-BB	961024	15:00	0.10	2528.7	8.8	7.07	0.057	0.362	30.343	4.014	5.060	0.245	0.000	28.011	34.78	33.32	68.09
36-06-4-ABA	960124		15.00	378.0	3.6	8.56	0.060	0.004	2.691	0.999	2.410	0.009	0.010	0.853	3.75	3.28	7.04
36-06-4-ADA	960503		300.00	333.0	5.2	8.04	0.009	0.023	2.080	1.055	2.330	0.034	0.064	1.012	3.17	3.44	6.61
36-06-4-ADA	960710	14:10	100.00	332.0	5.2	7.79	0.009	0.024	1.886	1.029	2.420	0.030	0.051	1.118	2.95	3.62	6.57
36-06-4-ADA	961023	17:45	250.00	334.5	5.6	7.80	0.010	0.021	2.415	1.019	2.440	0.025	0.043	0.983	3.47	3.49	6.96
36-06-4-ADA	970225	13:15	50.00	393.0	5.2	7.81	0.083	0.006	2.999	1.088	2.330	0.065	0.056	1.769	4.18	4.22	8.40
36-06-4-ADA	970513	16:15	313.00	318.0	5.2	8.11	0.043	0.009	2.211	0.970	2.380	0.029	0.062	0.961	3.23	3.43	6.66
36-06-4-ADA	970819	15:30	50.00	334.0	5.3	8.02	0.049	0.009	2.305	0.934	2.230	0.033	0.053	1.141	3.30	3.46	6.75
36-06-6-CD	960124		20.00	374.0	8.5	7.70	0.045	0.007	1.649	1.159	3.690	0.015	0.018	0.216	2.86	3.94	6.80
36-06-6-CD	960503		40.00	335.0	8.2	7.72	0.011	0.022	2.077	1.026	3.280	0.021	0.044	0.338	3.14	3.68	6.82
36-06-6-CD	960710	15:40	50.00	304.0	7.7	7.44	0.011	0.014	1.632	0.486	3.040	0.011	0.030	0.151	2.14	3.23	5.38
36-06-6-CD	961023	18:10	50.00	323.7	7.4	7.46	0.011	0.014	3.123	0.416	3.260	0.015	0.021	0.235	3.56	3.53	7.10
36-06-6-CD	970225	14:15	25.00	342.0	8.5	8.50	0.047	0.010	2.731	0.998	3.360	0.019	0.054	0.305	3.79	3.74	7.52
36-06-6-CD	970513	16:50	40.00	341.0	8.2	7.83	0.046	0.012	2.499	1.071	3.330	0.032	0.048	0.316	3.63	3.73	7.35
36-06-6-CD	970819	16:00	30.00	378.0	8.3	7.73	0.055	0.015	2.634	1.420	3.840	0.026	0.039	0.424	4.12	4.33	8.45
36-08-1-A	960124		430.00	209.0	5.7	8.20	0.022	0.006	1.342	0.741	2.240	0.012	0.021	0.045	2.11	2.32	4.43
36-08-1-A	960503		4000.00	171.0	4.7	8.27	0.003	0.003	1.257	0.528	1.680	0.000	0.055	0.044	1.79	1.78	3.57
36-08-1-A	960710	16:30		188.0	4.7	7.99	0.000	0.003	1.083	0.562	2.010	0.000	0.034	0.042	1.65	2.09	3.73
36-08-1-A	961024	12:45		183.0	4.8	8.05	0.003	0.004	1.517	0.475	1.910	0.004	0.033	0.046	2.00	1.99	3.99
36-08-1-A	970225	17:00		207.0	5.8	8.00	0.035	0.004	1.424	0.816	2.080	0.027	0.056	0.072	2.28	2.23	4.51
36-08-1-A	970513	18:30	10300.00	158.0	5.3	8.25	0.014	0.002	1.234	0.301	1.600				1.55	1.60	3.15
36-08-1-A	970819	19:30	2090.00	188.0	5.0	8.27	0.007	0.003	1.612	0.525	2.040	0.005	0.036	0.037	2.15	2.12	4.26
36-12-1-HA	960124		8.00	266.0	7.5	8.25	0.008	0.004	1.368	0.519	2.930	0.009	0.034	0.053	1.90	3.03	4.92
36-12-1-HA	960503		15.00	246.0	7.1	8.20	0.003	0.005	1.779	0.643	2.460	0.003	0.061	0.078	2.43	2.60	5.03
36-12-1-HA	960710	12:30	30.00	250.0	7.3	8.11	0.003	0.005	1.412	0.577	2.500	0.002	0.053	0.067	2.00	2.62	4.62
36-12-1-HA	970225	15:30	15.00	242.0	7.3	7.99	0.014	0.003	2.122	0.524	2.420	0.010	0.095	0.053	2.66	2.58	5.24
36-12-1-HA	970513	11:45	10.00	230.0	6.9	8.19	0.022	0.003	1.862	0.504	2.380	0.008	0.063	0.044	2.39	2.49	4.89
36-12-1-HA	970819	18:45	15.00	264.0	7.8	8.05	0.011	0.004	2.148	0.651	2.770	0.008	0.057	0.060	2.81	2.89	5.71

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Äquivalentkonzentrationen

Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (°C)	pH- Wert	Na ⁺ (meq/l)	K ⁺ (meq/l)	Ca ⁺⁺ (meq/l)	Mg ⁺⁺ (meq/l)	HCO ₃ ⁻ (meq/l)	Cl ⁻ (meq/l)	NO ₃ ⁻ (meq/l)	SO ₄ ⁺⁺ (meq/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)
36-12-1-K	960422	13:45	1.50	220.0	5.6	8.11	0.000	0.003	1.662	0.579	2.230	0.005	0.054	0.069	2.25	2.36	4.60
36-12-2-AA	960830	12:30	0.10	184.5	6.3	8.22	0.000	0.003	1.769	0.421	2.000	0.000	0.030	0.040	2.19	2.07	4.26
36-12-2-AA	970708	14:15	0.50	171.0	4.3		0.004	0.001	0.511	0.101	1.740	0.004	0.056	0.020	0.62	1.82	2.44
36-12-2-AB	960830	13:30	0.02	268.0	9.7	8.39	0.000	0.004	2.396	0.650	2.940	0.001	0.009	0.041	3.05	2.99	6.04
36-12-2-AB	970708	15:15	0.03	209.0	7.0		0.011	0.007	1.364	0.457	2.170	0.005	0.020	0.024	1.84	2.22	4.06
36-12-2-AE	960423	13:00	0.50	228.0	6.5	8.18	0.000	0.005	1.110	0.585	2.400	0.006	0.060	0.068	1.70	2.53	4.23
36-12-2-AE	960830	15:30	0.70	295.2	8.8	7.65	0.000	0.005	2.517	0.722	3.230	0.001	0.037	0.053	3.24	3.32	6.57
36-12-2-AE	961026	17:00	0.50	268.6	8.4	8.18	0.004	0.005	2.292	0.697	2.820	0.006	0.022	0.052	3.00	2.90	5.90
36-12-2-AE	970415	11:50	1.00	211.0	5.7	7.90	0.009	0.004	1.507	0.439	1.000	0.010	0.050	0.042	1.96	1.10	3.06
36-12-2-AE	970708	17:00	100.00	215.0	8.1	8.17	0.007	0.002	1.402	0.337	2.300	0.005	0.035	0.031	1.75	2.37	4.12
36-12-2-BAA	961026	12:30		205.6	6.8	7.90	0.001	0.004	1.790	0.452	2.130	0.005	0.025	0.049	2.25	2.21	4.46
36-12-2-BAA	970228	12:15		224.0	7.2	8.07	0.006	0.002	1.875	0.511	2.200	0.010	0.128	0.045	2.39	2.38	4.78
36-12-2-BAA	970418	14:00		217.0	7.0	8.25	0.012	0.005	1.743	0.446	2.240	0.013	0.068	0.047	2.21	2.37	4.57
36-12-2-BAB	961026	12:00	0.50	204.7	6.7	7.94	0.001	0.004	1.811	0.474	2.150	0.006	0.025	0.047	2.29	2.23	4.52
36-12-2-BAB	961116	12:30	0.10	223.0	7.0	7.97	0.007	0.005	1.885	0.520	2.370	0.008	0.036	0.047	2.42	2.46	4.88
36-12-2-BAB	970228	11:45	0.50	226.0	7.0	8.10	0.013	0.002	1.859	0.506	2.210	0.010	0.139	0.043	2.38	2.40	4.78
36-12-2-BAB	970418	13:30	0.01	224.0	7.1	8.22	0.012	0.004	1.829	0.480	2.310	0.010	0.065	0.053	2.33	2.44	4.76
36-12-2-BAB	970710	09:00		212.0	6.8	8.15	0.006	0.002	1.729	0.454	2.220	0.004	0.034	0.034	2.19	2.29	4.49
36-12-2-BAC	961026	14:00	0.20	265.7	7.7	8.12	0.003	0.006	2.393	0.533	2.800	0.008	0.023	0.059	2.93	2.89	5.83
36-12-2-BAC	961116	13:20	0.30	265.0	7.7	8.00	0.004	0.006	2.419	0.456	2.720	0.009	0.025	0.054	2.89	2.81	5.69
36-12-2-BAC	970228	13:50	0.70	242.0	7.7	7.99	0.013	0.002	2.138	0.412	2.480	0.008	0.055	0.045	2.57	2.59	5.15
36-12-2-BAC	970418	12:30	0.40	243.0	7.7	8.23	0.013	0.005	2.029	0.428	2.490	0.010	0.034	0.053	2.48	2.59	5.06
36-12-2-BAC	970710	09:45	0.50	256.0	7.8	8.25	0.010	0.003	2.150	0.473	2.700	0.007	0.031	0.044	2.64	2.78	5.42
36-12-2-BAD	961026	13:30	0.20	303.1	8.0	8.32	0.002	0.006	2.742	0.641	3.240	0.009	0.024	0.054	3.39	3.33	6.72
36-12-2-BAD	970228	13:30	0.50	273.0	7.9	8.22	0.008	0.002	2.385	0.537	2.800	0.009	0.074	0.047	2.93	2.93	5.86
36-12-2-BAD	970418	12:45	0.20	268.0	7.6	8.40	0.008	0.002	2.250	0.540	2.780	0.009	0.037	0.050	2.80	2.88	5.68
36-12-2-BAF	961026	11:30	0.25	288.3	7.0	8.19	0.002	0.007	2.568	0.585	3.040	0.010	0.027	0.058	3.16	3.13	6.30
36-12-2-BAF	961116	13:00	0.50	301.0	7.4	8.03	0.029	0.014	2.665	0.585	3.150	0.008	0.026	0.056	3.29	3.24	6.53
36-12-2-BAF	970228	12:50	0.30	269.0	7.4	8.15	0.025	0.002	2.320	0.498	2.810	0.011	0.066	0.047	2.84	2.93	5.78
36-12-2-BAF	970418	13:10	0.25	265.0	7.5	8.33	0.009	0.002	2.219	0.532	2.780	0.014	0.037	0.064	2.76	2.90	5.66
36-12-2-BAF	970710	09:30	0.40	280.0	7.0	8.35	0.010	0.002	2.361	0.577	2.970	0.007	0.037	0.045	2.95	3.06	6.01
36-12-2-BAG	961026	16:00	0.05	319.8	6.6	8.30	0.003	0.006	2.666	0.840	3.270	0.013	0.035	0.074	3.51	3.39	6.91
36-12-2-BAG	961116	14:15	0.01	320.0	6.9	8.13	0.005	0.007	2.746	0.892	3.370	0.011	0.035	0.078	3.65	3.49	7.14
36-12-2-BAH	961116	15:30		179.0	5.9	7.93	0.005	0.004	1.617	0.392	1.780	0.003	0.035	0.040	2.02	1.86	3.88
36-12-2-BAH	970418	16:00		207.0	6.5	8.30	0.010	0.003	1.691	0.414	2.030	0.010	0.079	0.051	2.12	2.17	4.29
36-12-2-BAH	970710	11:00		182.4	6.0	8.27	0.006	0.002	1.509	0.314	1.770	0.004	0.035	0.026	1.83	1.84	3.67
36-12-2-BAI	961026	10:30	0.10	250.9	6.2	8.16	0.003	0.005	2.099	0.582	2.540	0.011	0.033	0.066	2.69	2.65	5.34
36-12-2-BAJ	961026	16:15	0.20														
36-12-2-BAJ	961116	16:15	0.30	279.0	8.1	8.25	0.004	0.005	2.337	0.774	3.000	0.017	0.035	0.058	3.12	3.11	6.23
36-12-2-BAJ	970228	14:45	0.70	255.0	8.2	8.19	0.009	0.005	2.025	0.655	2.760	0.008	0.044	0.043	2.69	2.86	5.55
36-12-2-BAJ	970418	11:00	0.15	243.0	8.0	8.40	0.007	0.003	1.745	0.617	2.500	0.010	0.029	0.042	2.37	2.58	4.95

Anhang A-2

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Äquivalentkonzentrationen

Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (° C)	pH- Wert	Na ⁺ (meq/l)	K ⁺ (meq/l)	Ca ⁺⁺ (meq/l)	Mg ⁺⁺ (meq/l)	HCO ₃ ⁻ (meq/l)	Cl ⁻ (meq/l)	NO ₃ ⁻ (meq/l)	SO ₄ ⁺⁺ (meq/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)
36-12-2-BAJ	970710	11:00	0.30	276.0	8.1	8.26	0.011	0.007	2.218	0.766	2.930	0.005	0.030	0.032	3.00	3.00	6.00
36-12-2-BD	960124		119.00	220.0	6.8	8.17	0.007	0.004	1.394	0.490	2.420	0.011	0.059	0.072	1.89	2.56	4.46
36-12-2-BD	960421	18:15	3830.00	187.0	6.2	7.89	0.007	0.005	1.368	0.491	1.790	0.005	0.077	0.071	1.87	1.94	3.81
36-12-2-BD	960421	21:00	4520.00	186.0	6.3	7.94	0.000	0.003	1.013	0.407	1.780	0.009	0.073	0.065	1.42	1.93	3.35
36-12-2-BD	960422	00:00	4830.00	185.0	6.1	7.98	0.003	0.004	1.391	0.488	1.730	0.005	0.105	0.088	1.89	1.93	3.81
36-12-2-BD	960422	03:00	4530.00	185.0	6.0	8.01	0.000	0.004	1.603	0.498	1.720	0.040	0.108	0.089	2.10	1.96	4.06
36-12-2-BD	960422	06:00	4260.00	183.0	5.9	8.03	0.000	0.004	1.329	0.492	1.710	0.005	0.106	0.088	1.82	1.91	3.73
36-12-2-BD	960422	09:00	3830.00	181.0	5.9	8.17	0.000	0.004	1.394	0.483	1.690	0.005	0.107	0.089	1.88	1.89	3.77
36-12-2-BD	960422	12:00	3830.00	181.0	6.0	8.07	0.002	0.003	0.864	0.392	1.690	0.006	0.086	0.070	1.26	1.85	3.11
36-12-2-BD	960422	15:00	3830.00	180.4	6.0	8.04	0.000	0.003	0.746	0.380	1.680	0.005	0.081	0.071	1.13	1.84	2.97
36-12-2-BD	960422	18:00	3430.00	179.3	6.0	8.08	0.000	0.003	0.885	0.372	1.660	0.005	0.103	0.083	1.26	1.85	3.11
36-12-2-BD	960422	21:00	4250.00	177.9	6.0	8.06	0.007	0.004	1.143	0.489	1.650	0.004	0.090	0.075	1.64	1.82	3.46
36-12-2-BD	960423	00:00	4250.00	176.8	6.0	8.24	0.003	0.003	1.140	0.488	1.660	0.005	0.098	0.080	1.63	1.84	3.48
36-12-2-BD	960423	03:00	3830.00	176.4	5.8	8.25	0.000	0.003	1.243	0.478	1.720	0.004	0.100	0.074	1.72	1.90	3.62
36-12-2-BD	960423	06:00	3440.00	175.4	5.9	8.24	0.000	0.003	0.862	0.383	1.640	0.004	0.101	0.078	1.25	1.82	3.07
36-12-2-BD	960423	09:00	3570.00	174.4	5.9	8.22	0.000	0.003	1.303	0.477	1.630	0.003	0.058	0.051	1.78	1.74	3.52
36-12-2-BD	960423	12:00	3830.00	173.7	5.9	8.19	0.000	0.003	1.266	0.495	1.610	0.003	0.067	0.054	1.76	1.73	3.50
36-12-2-BD	960423	15:00	3830.00	173.1	5.9	8.14	0.000	0.003	1.324	0.482	1.630	0.003	0.073	0.058	1.81	1.76	3.57
36-12-2-BD	960423	18:00	3690.00	172.4	5.9	8.10	0.000	0.002	1.221	0.479	1.620	0.004	0.094	0.072	1.70	1.79	3.49
36-12-2-BD	960423	21:00	3830.00	169.9	5.9	8.17	0.000	0.002	0.954	0.415	1.600	0.003	0.091	0.072	1.37	1.77	3.14
36-12-2-BD	960424	00:00	3830.00	169.9	5.8	8.18	0.000	0.002	1.154	0.446	1.610	0.005	0.091	0.071	1.60	1.78	3.38
36-12-2-BD	960424	03:00	3830.00	169.9	5.7	8.25	0.000	0.010	1.455	0.478	1.610	0.003	0.091	0.071	1.94	1.78	3.72
36-12-2-BD	960424	06:00	3560.00	168.9	5.7	8.24	0.000	0.002	1.334	0.477	1.610	0.004	0.090	0.070	1.81	1.77	3.59
36-12-2-BD	960424	09:00	3690.00	168.7	5.7	8.21	0.000	0.002	1.158	0.437	1.570	0.004	0.089	0.069	1.60	1.73	3.33
36-12-2-BD	960424	12:00	3820.00	167.7	5.7	8.17	0.018	0.007	0.902	0.400	1.590	0.006	0.089	0.068	1.33	1.75	3.08
36-12-2-BD	960424	15:00	3570.00	166.8	5.7	8.13	0.000	0.003	1.135	0.452	1.600	0.018	0.009	0.066	1.59	1.69	3.28
36-12-2-BD	960424	18:00	3430.00	165.9	5.7	8.18	0.000	0.008	1.183	0.470	1.600	0.003	0.084	0.064	1.66	1.75	3.41
36-12-2-BD	960503		2030.00	160.0	5.7	8.26	0.000	0.003	1.191	0.427	1.560	0.000	0.061	0.060	1.62	1.68	3.30
36-12-2-BD	960710	13:00	3110.00	190.0	5.9	8.18	0.000	0.003	1.319	0.518	1.920	0.000	0.037	0.046	1.84	2.00	3.84
36-12-2-BD	960826	18:45	69.00	214.0	6.2	8.04	0.009	0.006	0.856	0.506	2.210	0.008	0.041	0.050	1.38	2.31	3.69
36-12-2-BD	960827	18:00	279.00	209.0	6.4	7.76	0.000	0.004	1.762	0.515	2.160	0.004	0.040	0.050	2.28	2.25	4.53
36-12-2-BD	960827	21:00	279.00	209.0	6.4	7.83											
36-12-2-BD	960828	00:00	279.00	209.0	6.4	7.88	0.000	0.004	1.705	0.505	2.220	0.004	0.040	0.051	2.21	2.31	4.53
36-12-2-BD	960828	03:00	279.00	209.0	6.4	7.83											
36-12-2-BD	960828	06:00	279.00	210.0	6.4	7.87	0.000	0.005	1.400	0.484	2.210	0.004	0.040	0.052	1.89	2.31	4.19
36-12-2-BD	960828	09:00	279.00	210.0	6.4	7.81	0.000	0.004	1.417	0.513	2.230	0.004	0.040	0.052	1.93	2.33	4.26
36-12-2-BD	960828	12:00	310.00	210.0	6.4	7.78	0.000	0.004	1.433	0.513	2.170	0.004	0.040	0.050	1.95	2.26	4.21
36-12-2-BD	960828	15:00	310.00	211.0	6.4	7.97	0.000	0.004	1.196	0.503	2.170	0.004	0.041	0.052	1.70	2.27	3.97
36-12-2-BD	960828	18:00	1680.00	207.0	6.4	7.87	0.000	0.004	1.474	0.505	2.130	0.004	0.041	0.050	1.98	2.22	4.21
36-12-2-BD	960828	21:00	2310.00	199.7	6.2	7.95	0.006	0.005	1.428	0.481	2.070	0.003	0.040	0.045	1.92	2.16	4.08
36-12-2-BD	960829	00:00	2100.00	203.0	6.2	8.01	0.000	0.003	1.332	0.450	2.130	0.003	0.040	0.043	1.78	2.22	4.00

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Äquivalentkonzentrationen

Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (°C)	pH- Wert	Na ⁺ (meq/l)	K ⁺ (meq/l)	Ca ⁺⁺ (meq/l)	Mg ⁺⁺ (meq/l)	HCO ₃ ⁻ (meq/l)	Cl ⁻ (meq/l)	NO ₃ ⁻ (meq/l)	SO ₄ ⁻⁻ (meq/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)
36-12-2-BD	960829	03:00	2090.00	205.0	6.2	7.89	0.000	0.003	1.424	0.481	2.110	0.003	0.039	0.045	1.91	2.20	4.11
36-12-2-BD	960829	06:00	2090.00	205.0	6.2	7.90	0.000	0.003	1.314	0.476	2.130	0.003	0.040	0.045	1.79	2.22	4.01
36-12-2-BD	960829	09:00	1810.00	205.0	6.2	8.00	0.000	0.003	1.436	0.474	2.220	0.003	0.039	0.045	1.91	2.31	4.22
36-12-2-BD	960829	12:00	1550.00	205.0	6.2	7.94	0.000	0.003	1.691	0.480	2.140	0.003	0.040	0.045	2.17	2.23	4.40
36-12-2-BD	960829	15:00	1255.00	203.0	6.2	7.96	0.000	0.003	1.652	0.483	2.130	0.003	0.039	0.045	2.14	2.22	4.36
36-12-2-BD	960829	18:00	913.00	205.0	6.2	8.06	0.006	0.004	1.558	0.512	2.120	0.003	0.040	0.046	2.08	2.21	4.29
36-12-2-BD	960829	21:00	913.00	205.0	6.2	8.03											
36-12-2-BD	960830	00:00	805.00	205.0	6.1	8.09	0.000	0.004	1.605	0.495	2.110	0.003	0.040	0.046	2.10	2.20	4.30
36-12-2-BD	960830	03:00	750.00	206.0	6.2	8.04											
36-12-2-BD	960830	06:00	702.00	209.0	6.2	8.08	0.000	0.004	1.744	0.505	2.170	0.004	0.040	0.048	2.25	2.26	4.51
36-12-2-BD	960830	09:00	556.00	210.0	6.2	8.06											
36-12-2-BD	960830	12:00	433.00	211.0	6.2	7.93	0.000	0.004	1.743	0.501	2.180	0.003	0.039	0.048	2.25	2.27	4.52
36-12-2-BD	960830	15:00	433.00	211.0	6.3	8.02											
36-12-2-BD	961026	17:30	765.00	179.1	6.1	8.03	0.000	0.003	1.570	0.357	2.280	0.004	0.031	0.045	1.93	2.36	4.29
36-12-2-BD	961116	16:45		189.0	6.0	7.97	0.005	0.005	1.677	0.413	1.880	0.004	0.037	0.041	2.10	1.96	4.06
36-12-2-BD	970225	16:30	676.00	211.0	6.7	7.95	0.007	0.002	1.877	0.530	2.080	0.008	0.090	0.042	2.42	2.22	4.64
36-12-2-BD	970414	15:00	581.00	207.0	6.5	7.97	0.007	0.003	1.655	0.415	2.080	0.009	0.074	0.053	2.08	2.22	4.30
36-12-2-BD	970414	18:00	581.00	207.0	6.5	7.95	0.008	0.004	1.710	0.432	2.080	0.011	0.077	0.053	2.15	2.22	4.37
36-12-2-BD	970414	21:00	627.00	208.0	6.5	7.98	0.008	0.003	1.665	0.439	2.060	0.009	0.074	0.055	2.12	2.20	4.31
36-12-2-BD	970415	00:00	627.00	209.0	6.5	7.96	0.009	0.006	1.676	0.431	2.080	0.009	0.073	0.051	2.12	2.21	4.34
36-12-2-BD	970415	03:00	627.00	209.0	6.4	7.94	0.013	0.008	1.711	0.446	2.140	0.011	0.078	0.056	2.18	2.28	4.46
36-12-2-BD	970415	06:00	727.00	210.0	6.5	7.96	0.009	0.005	1.721	0.458	2.120	0.009	0.072	0.057	2.19	2.26	4.45
36-12-2-BD	970415	09:00	1080.00	214.0	6.5	7.92	0.008	0.003	1.698	0.468	2.130	0.009	0.069	0.053	2.18	2.26	4.44
36-12-2-BD	970415	12:00	1110.00	214.0	6.4	7.93	0.008	0.003	1.741	0.480	2.220	0.009	0.064	0.050	2.23	2.34	4.58
36-12-2-BD	970415	15:00	1020.00	212.0	6.5	7.94	0.012	0.007	1.939	0.489	2.170	0.009	0.066	0.048	2.45	2.29	4.74
36-12-2-BD	970415	18:00	953.00	212.0	6.5	7.93	0.010	0.005	1.714	0.455	2.150	0.009	0.066	0.045	2.18	2.27	4.45
36-12-2-BD	970415	21:00	893.00	212.0	6.4	7.87	0.008	0.003	1.697	0.459	2.160	0.010	0.066	0.049	2.17	2.28	4.45
36-12-2-BD	970416	00:00	780.00	212.0	6.4	7.91	0.008	0.004	1.715	0.468	2.130	0.009	0.070	0.050	2.19	2.26	4.45
36-12-2-BD	970416	06:00	676.00	190.7	6.5	7.90	0.008	0.004	0.474	0.400	2.120	0.010	0.068	0.048	0.89	2.25	3.13
36-12-2-BD	970416	12:00	627.00	190.1	6.6	7.86	0.009	0.004	1.706	0.425	2.130	0.009	0.070	0.053	2.14	2.26	4.41
36-12-2-BD	970416	18:00	560.00	189.8	6.7	7.92	0.012	0.008	1.709	0.446	2.170	0.010	0.070	0.050	2.18	2.30	4.48
36-12-2-BD	970417	00:00	510.00	189.6	6.7	7.94	0.014	0.009	1.700	0.445	2.140	0.009	0.071	0.053	2.17	2.27	4.44
36-12-2-BD	970417	06:00	480.00	189.7	6.7	7.93	0.008	0.004	1.436	0.391	2.150	0.009	0.069	0.050	1.84	2.28	4.12
36-12-2-BD	970417	12:00	450.00	190.1	6.6	7.95	0.011	0.006	1.747	0.450	2.130	0.010	0.072	0.052	2.21	2.26	4.48
36-12-2-BD	970417	18:00	420.00	190.1	6.6	7.96	0.008	0.003	1.706	0.446	2.160	0.009	0.072	0.051	2.16	2.29	4.46
36-12-2-BD	970418	08:00	378.00	190.1	6.7	7.97	0.007	0.003	1.711	0.457	2.130	0.010	0.074	0.055	2.18	2.27	4.45
36-12-2-BD	970418	17:00	493.00	191.0	6.7	8.03	0.009	0.006	2.031	0.540	2.140	0.009	0.070	0.056	2.59	2.28	4.86
36-12-2-BD	970513	12:10	5390.00	155.7	5.8	8.23	0.007	0.002	1.324	0.291	1.610	0.008	0.077	0.024	1.62	1.72	3.34
36-12-2-BD	970705	15:00	493.00	185.4	6.0	8.26	0.004	0.001	1.495	0.374	1.970	0.005	0.059	0.032	1.87	2.07	3.94
36-12-2-BD	970705	18:00	493.00	185.6	6.0	8.31	0.005	0.002	1.542	0.367	1.900	0.005	0.059	0.035	1.92	2.00	3.91
36-12-2-BD	970705	21:00	835.00	183.5	5.9	8.30	0.006	0.002	1.484	0.381	1.870	0.005	0.060	0.034	1.87	1.97	3.84

Anhang A-2

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Äquivalentkonzentrationen

Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (°C)	pH- Wert	Na ⁺ (meq/l)	K ⁺ (meq/l)	Ca ⁺⁺ (meq/l)	Mg ⁺⁺ (meq/l)	HCO ₃ ⁻ (meq/l)	Cl ⁻ (meq/l)	NO ₃ ⁻ (meq/l)	SO ₄ ⁻⁻ (meq/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)
36-12-2-BD	970706	00:00	1360.00	182.1	5.9	8.30	0.040	0.015	1.465	0.368	1.940	0.004	0.055	0.036	1.89	2.04	3.92
36-12-2-BD	970706	03:00	11800.00	197.0	6.1	8.27	0.014	0.004	1.565	0.420	2.020	0.005	0.056	0.036	2.00	2.12	4.12
36-12-2-BD	970706	06:00	21300.00	213.0	6.9	8.19	0.006	0.002	1.708	0.508	2.200	0.005	0.046	0.031	2.22	2.28	4.51
36-12-2-BD	970706	09:00	20700.00	200.0	6.7	8.22	0.006	0.002	1.598	0.450	2.160	0.004	0.043	0.029	2.06	2.24	4.29
36-12-2-BD	970706	12:00	18600.00	189.4	6.4	8.25	0.005	0.002	1.576	0.390	2.170	0.005	0.043	0.023	1.97	2.24	4.21
36-12-2-BD	970706	15:00	12800.00	178.7	6.2	8.28	0.005	0.001	1.498	0.332	1.860	0.005	0.044	0.026	1.84	1.94	3.77
36-12-2-BD	970706	18:00	10000.00	175.5	6.1	8.20	0.005	0.002	1.558	0.350	1.810	0.004	0.042	0.027	1.92	1.88	3.80
36-12-2-BD	970706	21:00	8010.00	175.9	6.0	8.19	0.004	0.001	1.462	0.324	1.860	0.004	0.040	0.024	1.79	1.93	3.72
36-12-2-BD	970707	00:00	5900.00	175.5	6.1	8.14	0.008	0.003	1.476	0.327	1.820	0.005	0.046	0.026	1.81	1.90	3.71
36-12-2-BD	970707	03:00	4600.00	175.0	5.9	8.17	0.017	0.005	1.707	0.383	1.810	0.004	0.041	0.025	2.11	1.88	3.99
36-12-2-BD	970707	06:00	4020.00	174.1	5.9	8.11	0.004	0.002	1.455	0.329	1.840	0.004	0.044	0.027	1.79	1.91	3.71
36-12-2-BD	970707	09:00	3230.00	175.1	5.9	8.14	0.004	0.001	1.479	0.336	1.810	0.004	0.043	0.027	1.82	1.88	3.70
36-12-2-BD	970707	12:00	5560.00	178.2	6.0	8.14	0.006	0.002	1.473	0.333	1.830	0.005	0.043	0.026	1.81	1.90	3.72
36-12-2-BD	970707	15:00	9320.00	192.5	6.6	8.11	0.006	0.001	1.568	0.393	2.020	0.005	0.038	0.027	1.97	2.09	4.06
36-12-2-BD	970707	18:00	13400.00	184.3	6.5	8.13	0.003	0.001	1.523	0.374	1.950	0.016	0.040	0.028	1.90	2.03	3.94
36-12-2-BD	970707	21:00	14900.00	179.0	6.4	8.10	0.005	0.002	1.546	0.368	1.900	0.003	0.044	0.024	1.92	1.97	3.89
36-12-2-BD	970708	00:00	12600.00	174.5	6.3	8.15	0.007	0.003	1.481	0.325	1.880	0.004	0.039	0.025	1.82	1.95	3.76
36-12-2-BD	970708	03:00	10500.00	173.2	6.3	8.16	0.005	0.002	1.464	0.319	1.990	0.004	0.039	0.024	1.79	2.06	3.85
36-12-2-BD	970708	06:00	8650.00	174.1	6.3	8.12	0.005	0.001	1.476	0.321	1.880	0.005	0.033	0.024	1.80	1.94	3.75
36-12-2-BD	970708	09:00	7200.00	172.5	6.1	8.09	0.004	0.001	1.481	0.325	1.770	0.003	0.031	0.024	1.81	1.83	3.64
36-12-2-BD	970708	12:00	5560.00	174.9	6.3	8.13	0.005	0.001	1.495	0.326	1.840	0.004	0.032	0.026	1.83	1.90	3.73
36-12-2-BD	970708	15:00	4750.00	173.2	6.3	8.06	0.007	0.003	1.503	0.326	1.830	0.004	0.036	0.030	1.84	1.90	3.74
36-12-2-BD	970708	18:00	4160.00	175.1	6.2	8.20	0.006	0.001	1.620	0.360	1.780	0.005	0.039	0.033	1.99	1.86	3.84
36-12-2-BD	970708	21:00	3230.00	175.4	6.3	8.16	0.005	0.002	1.445	0.324	1.820	0.003	0.033	0.029	1.78	1.89	3.66
36-12-2-BD	970709	00:00	2870.00	175.0	6.3	8.17	0.005	0.002	1.091	0.254	1.840	0.005	0.034	0.031	1.35	1.91	3.26
36-12-2-BD	970709	03:00	2540.00	175.1	6.1	8.20	0.004	0.001	1.065	0.234	1.820	0.004	0.036	0.026	1.31	1.89	3.19
36-12-2-BD	970709	06:00	2330.00	176.2	5.9	8.24	0.006	0.002	1.464	0.330	1.850	0.004	0.051	0.028	1.80	1.93	3.74
36-12-2-BD	970709	12:00	1850.00	177.8	6.1	8.19	0.004	0.001	1.490	0.351	1.860	0.004	0.035	0.027	1.85	1.93	3.77
36-12-2-BD	970709	18:00	1360.00	180.5	6.1	8.21	0.005	0.002	1.481	0.350	1.870	0.006	0.040	0.026	1.84	1.94	3.78
36-12-2-BD	970710	00:00	1150.00	181.6	6.3	8.21	0.005	0.002	1.518	0.373	1.880	0.006	0.050	0.026	1.90	1.96	3.86
36-12-2-BD	970710	06:00	953.00	183.0	6.1	8.20	0.005	0.002	1.514	0.365	1.850	0.005	0.044	0.026	1.89	1.93	3.81
36-12-2-BD	970710	12:00	835.00	182.8	6.2	8.24	0.007	0.004	1.584	0.375	1.900	0.006	0.040	0.033	1.97	1.98	3.95
36-12-2-BD	970710	18:00	780.00	184.6	6.0	8.20	0.005	0.002	0.946	0.236	1.960	0.004	0.045	0.033	1.19	2.04	3.23
36-12-2-BD	970711	00:00	893.00	182.0	6.1	8.19	0.005	0.002	1.157	0.280	2.160	0.004	0.039	0.027	1.44	2.23	3.67
36-12-2-BD	970711	06:00	780.00	182.1	6.0	8.17	0.005	0.002	1.514	0.486	1.940	0.003	0.022	0.016	2.01	1.98	3.99
36-12-2-BD	970711	12:00	727.00	182.7	6.4	8.17	0.005	0.003	0.770	0.185	1.920	0.004	0.020	0.013	0.96	1.96	2.92
36-12-2-BD	970711	18:00	676.00	182.6	6.4	8.12	0.004	0.002	1.154	0.281	1.890	0.005	0.042	0.028	1.44	1.97	3.41
36-12-2-BD	970819	19:00	493.00	195.0	6.1	8.19	0.011	0.006	2.086	0.516	2.060	0.003	0.034	0.031	2.62	2.13	4.75
36-12-2-BF	960422	11:40	181.00														
36-12-2-BF	970414	18:00	165.00	210.0	6.6	8.00											
36-12-2-BF	970415	09:00	165.00	216.0	6.7	7.99											

NATIONALPARK KALKALPEN

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Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

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Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (°C)	pH- Wert	Na ⁺ (meq/l)	K ⁺ (meq/l)	Ca ⁺⁺ (meq/l)	Mg ⁺⁺ (meq/l)	HCO ₃ ⁻ (meq/l)	Cl ⁻ (meq/l)	NO ₃ ⁻ (meq/l)	SO ₄ ⁻⁻ (meq/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)
36-12-2-BF	970415	15:13	165.00														
36-12-2-BF	970415	18:00	165.00	216.0	6.7	7.90											
36-12-2-BF	970416	12:00	165.00	194.0	6.7	7.84											
36-12-2-BF	970416	18:00	165.00	194.0	6.7	7.89											
36-12-2-BF	970708	14:40	165.00														
36-12-2-BF	980108		155.00	214.0	6.7	8.13											
36-17-A	960710	11:30	15.00	367.0	9.3	7.71	0.004	0.009	1.447	1.762	3.680	0.014	0.042	0.296	3.22	4.03	7.25
36-17-A	961024	18:00	15.00	366.0	9.3	7.57	0.003	0.009	2.232	1.744	3.690	0.016	0.043	0.296	3.99	4.05	8.03
36-17-A	970225	11:30	10.00	368.0	9.3	7.55	0.019	0.005	2.272	1.811	3.700	0.014	0.061	0.279	4.11	4.05	8.16
36-17-A	970513	11:15	10.00	364.2	9.4	7.77	0.017	0.004	2.294	1.809	3.680	0.011	0.064	0.285	4.12	4.04	8.17
36-17-A	970819	11:00	15.00	365.0	9.3	7.74					3.580					3.58	3.58
37-03-JB	960123		20.00	308.0	4.7	8.20	0.008	0.002	1.259	1.235	3.460	0.014	0.058	0.087	2.50	3.62	6.12
37-03-JB	960504		83.00	259.0	4.9	8.17	0.005	0.004	1.294	1.244	2.680	0.000	0.056	0.072	2.55	2.81	5.35
37-03-JB	960711		45.00	293.0	8.2	8.17	0.005	0.005	1.452	1.376	3.120	0.000	0.047	0.063	2.84	3.23	6.07
37-03-JB	961022	12:40	50.00	250.9	8.4	8.40	0.009	0.005	1.665	1.138	2.620	0.007	0.034	0.058	2.82	2.72	5.54
37-03-JB	970226	13:00	179.00	271.0	4.2	8.16	0.020	0.004	1.693	1.323	2.780	0.015	0.118	0.061	3.04	2.97	6.01
37-03-JB	970515	10:15	88.00	260.0	5.5	8.35	0.012	0.003	1.641	1.249	2.780	0.008	0.061	0.048	2.91	2.90	5.80
37-03-JB	970820	10:30	60.00	312.0	9.2	8.12	0.006	0.004	1.913	1.458	3.980	0.005	0.040	0.047	3.38	4.07	7.45
37-04-E	960123																
37-04-E	960504		250.00	181.0	5.0	8.03	0.006	0.004	1.303	0.590	1.800	0.000	0.072	0.074	1.90	1.95	3.85
37-04-E	960711	15:00	70.00	214.0	5.8	8.10	0.006	0.008	1.323	0.672	2.120	0.001	0.056	0.075	2.01	2.25	4.26
37-04-E	961022	11:20	400.00	168.3	5.9	7.95	0.021	0.007	1.276	0.486	1.690	0.003	0.030	0.049	1.79	1.77	3.56
37-04-E	970226	11:30	17.00	225.0	5.8	7.95	0.030	0.005	1.686	0.631	2.160	0.011	0.132	0.082	2.35	2.38	4.74
37-04-E	970515	11:15	460.00	159.0	4.9	8.27	0.013	0.008	1.234	0.477	1.700	0.005	0.066	0.034	1.73	1.81	3.54
37-04-E	970820	10:00															
37-04-KB	960123		66.00	252.0	6.6	8.04	0.013	0.002	1.011	0.472	2.720	0.014	0.063	0.125	1.50	2.92	4.42
37-04-KB	960504		200.00	239.0	6.4	7.91	0.009	0.014	1.390	0.812	2.330	0.002	0.091	0.106	2.22	2.53	4.75
37-04-KB	960712	14:30	15.00	246.0	6.4	8.07	0.009	0.014	1.332	0.852	2.500	0.003	0.067	0.097	2.21	2.67	4.87
37-04-KB	961022	12:10	400.00	255.8	7.0	7.89	0.011	0.013	1.947	0.738	2.590	0.006	0.054	0.098	2.71	2.75	5.46
37-04-KB	970226	12:30	111.00	263.0	6.9	7.77	0.041	0.007	1.960	0.814	2.610	0.008	0.078	0.129	2.82	2.83	5.65
37-04-KB	970515	10:45	324.00	231.0	6.6	8.10	0.038	0.010	1.692	0.760	2.340	0.018	0.098	0.083	2.50	2.54	5.04
37-04-KB	970820	10:15	60.00	246.0	6.8	8.06	0.028	0.009	1.835	0.832	2.480	0.006	0.054	0.093	2.70	2.63	5.34
37-09-AB	960123		5.00	276.0	6.5	7.49	0.007	0.004	1.179	1.327	3.520	0.015	0.054	0.077	2.52	3.67	6.18
37-09-AB	960504		35.00	235.0	6.5	7.97	0.012	0.007	1.804	0.575	2.280	0.001	0.087	0.095	2.40	2.46	4.86
37-09-AB	960711	13:30	50.00	266.0	6.8	7.97	0.009	0.007	1.849	0.521	2.720	0.001	0.068	0.083	2.39	2.87	5.26
37-09-AB	961022	14:00	80.00	227.3	8.9	7.76	0.007	0.007	2.104	0.326	2.270	0.004	0.043	0.082	2.44	2.40	4.84
37-09-AB	970226	13:30	50.00	260.0	5.6	7.94	0.020	0.006	2.217	0.643	2.530	0.012	0.165	0.087	2.89	2.79	5.68
37-09-AB	970515	09:30	15.00	236.0	6.7	8.08	0.011	0.003	1.917	0.510	2.400	0.011	0.103	0.078	2.44	2.59	5.03
37-09-AB	970820	11:30	25.00	286.0	6.7	7.93	0.020	0.008	2.400	0.682	2.890	0.009	0.079	0.096	3.11	3.07	6.18
37-09-HB	960123																
37-09-HB	960504		3.00	229.0	6.6	8.09	0.008	0.005	1.366	0.705	2.180	0.008	0.133	0.100	2.08	2.42	4.50

Anhang A-2

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Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (° C)	pH- Wert	Na ⁺ (meq/l)	K ⁺ (meq/l)	Ca ⁺⁺ (meq/l)	Mg ⁺⁺ (meq/l)	HCO ₃ ⁻ (meq/l)	Cl ⁻ (meq/l)	NO ₃ ⁻ (meq/l)	SO ₄ ⁻⁻ (meq/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)
37-09-HB	960711	12:40	25.00	254.0	6.6	8.00	0.007	0.006	1.513	0.770	2.530	0.003	0.107	0.098	2.30	2.74	5.03
37-09-HB	961022	14:30	100.00	228.3	6.5	7.89	0.006	0.006	1.881	0.607	2.280	0.005	0.064	0.083	2.50	2.43	4.93
37-09-HB	970226	13:45	10.00	265.0	6.4	7.92	0.015	0.005	2.080	1.085	2.560	0.013	0.222	0.114	3.18	2.91	6.09
37-09-HB	970515	08:45	0.50	228.0	6.5	8.17	0.009	0.005	1.716	0.620	2.210	0.011	0.148	0.081	2.35	2.45	4.80
37-10-ACC	960829	17:00	1.00	206.8	12.0	7.98	0.014	0.007	2.162	0.000	2.180	0.002	0.005	0.040	2.18	2.23	4.41
37-10-ACC	961025	14:00	0.10	242.0	5.3	7.75											
37-10-ACC	970708	10:45	5.00	119.0	7.9	7.90	0.009	0.004	1.475	0.140	1.240	0.003	0.007	0.045	1.63	1.30	2.92
37-10-B	960828	15:00	0.20	250.5	4.0	8.19	0.006	0.005	2.808	0.000	2.580	0.006	0.037	0.064	2.82	2.69	5.51
37-10-B	960828	18:00	0.00	255.4	4.0	8.09	0.005	0.005	2.838	0.005	2.620	0.002	0.033	0.065	2.85	2.72	5.57
37-10-B	960829	00:00	0.00	238.9	3.9	8.34	0.006	0.005	2.672	0.000	2.490	0.005	0.033	0.067	2.68	2.59	5.28
37-10-B	960829	06:00		239.9	4.0	8.39	0.000	0.005	2.701	0.000	2.450	0.003	0.027	0.064	2.71	2.54	5.25
37-10-B	960829	18:00		244.7	3.9	8.29	0.000	0.005	2.724	0.000	2.510	0.004	0.027	0.064	2.73	2.60	5.33
37-10-B	961025	15:00		184.0	2.8	7.88	0.035	0.010	1.929	0.000	1.790	0.010	0.013	0.066	1.97	1.88	3.85
37-10-B	970708	09:50	0.10	183.0	2.4	8.35	0.011	0.005	1.133	0.070	1.890	0.007	0.009	0.044	1.22	1.95	3.17
37-10-CB	960422	13:00	0.20	179.0	2.4	8.17	0.000	0.004	1.126	0.728	1.840	0.006	0.055	0.071	1.86	1.97	3.83
37-10-D	960422	13:45	5.00	200.0	3.1	8.16	0.006	0.004	1.370	0.518	1.960	0.013	0.148	0.078	1.90	2.20	4.10
37-10-D	960829	19:00	1.50	300.1	8.2	7.67	0.007	0.005	2.576	0.751	3.140	0.005	0.106	0.060	3.34	3.31	6.65
37-10-D	970416	11:30	0.30	243.0	2.0	8.06	0.012	0.006	1.897	0.539	1.000	0.012	0.132	0.059	2.45	1.20	3.66
37-10-H	960422	14:30	10.00	207.0	4.0	8.29	0.006	0.005	1.662	0.579	1.900	0.010	0.191	0.101	2.25	2.20	4.45
37-10-H	960829	10:30	3.00	261.2	5.7	8.05	0.006	0.005	2.033	0.793	2.680	0.003	0.104	0.062	2.84	2.85	5.69
37-10-H	970416	12:30	1.00	224.0	3.7	8.20	0.010	0.005	1.642	0.627	1.000	0.011	0.136	0.066	2.28	1.21	3.50
37-10-H	970708	08:40	20.00	209.0	5.0	8.23	0.008	0.003	1.802	0.032	1.980	0.009	0.128	0.060	1.85	2.18	4.02
37-10-J	960422	16:00	5.00	243.0	5.6	8.28	0.007	0.005	1.517	1.010	2.360	0.008	0.173	0.097	2.54	2.64	5.18
37-10-J	960829	11:30	5.00	286.5	7.1	7.97	0.013	0.007	2.181	0.972	2.990	0.007	0.098	0.086	3.17	3.18	6.36
37-10-J	970416	13:00	3.00	259.0	5.1	8.19	0.013	0.006	1.873	0.831	2.500	0.011	0.128	0.089	2.72	2.73	5.45
37-10-J	970708	11:00	15.00	264.0	7.1	8.11	0.046	0.009	1.804	0.420	2.720	0.008	0.124	0.066	2.28	2.92	5.20
37-12-AB	960123		87.00	313.0	6.4	8.09	0.008	0.003	1.227	1.049	3.370	0.014	0.075	0.108	2.29	3.57	5.85
37-12-AB	960421	15:00		235.0	6.3	7.99											
37-12-AB	960421	18:00		232.0	6.2	8.01	0.006	0.005	1.596	0.686	2.180	0.007	0.152	0.111	2.29	2.45	4.74
37-12-AB	960421	21:00		130.0	6.2	8.03	0.010	0.006	1.582	0.661	2.180	0.008	0.152	0.107	2.26	2.45	4.70
37-12-AB	960422	00:00		230.0	6.2	8.03	0.005	0.005	1.537	0.662	2.170	0.007	0.152	0.104	2.21	2.43	4.64
37-12-AB	960422	03:00		227.0	6.2	8.05	0.004	0.004	1.458	0.555	2.150	0.005	0.113	0.079	2.02	2.35	4.37
37-12-AB	960422	06:00		224.0	6.2	8.01	0.007	0.006	1.637	0.684	2.110	0.007	0.133	0.098	2.33	2.35	4.68
37-12-AB	960422	09:00		224.0	6.2	8.00	0.008	0.006	1.601	0.694	2.110	0.008	0.146	0.105	2.31	2.37	4.68
37-12-AB	960422	12:00		225.0	6.2	8.03	0.008	0.014	1.643	0.707	2.120	0.008	0.147	0.106	2.37	2.38	4.75
37-12-AB	960422	15:00		225.0	6.2	8.01	0.007	0.006	1.643	0.726	2.110	0.007	0.147	0.106	2.38	2.37	4.75
37-12-AB	960422	18:00		221.0	6.2	8.01	0.004	0.004	1.616	0.642	2.110	0.004	0.095	0.077	2.27	2.29	4.55
37-12-AB	960422	21:00		220.0	6.2	8.03	0.009	0.006	1.450	0.567	2.080	0.011	0.148	0.103	2.03	2.34	4.37
37-12-AB	960423	00:00		220.0	6.2	8.02	0.004	0.003	1.249	0.543	2.170	0.005	0.119	0.087	1.80	2.38	4.18
37-12-AB	960423	03:00		217.0	6.2	8.01	0.005	0.004	1.212	0.498	2.050	0.010	0.124	0.092	1.72	2.28	3.99
37-12-AB	960423	06:00		217.0	6.2	7.99	0.005	0.004	1.189	0.513	2.080	0.004	0.103	0.081	1.71	2.27	3.98

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Äquivalentkonzentrationen

Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (°C)	pH- Wert	Na ⁺ (meq/l)	K ⁺ (meq/l)	Ca ⁺⁺ (meq/l)	Mg ⁺⁺ (meq/l)	HCO ₃ ⁻ (meq/l)	Cl ⁻ (meq/l)	NO ₃ ⁻ (meq/l)	SO ₄ ⁻⁻ (meq/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)
37-12-AB	960423	09:00		216.0	6.2	8.03	0.006	0.004	1.323	0.579	2.040	0.004	0.095	0.074	1.91	2.21	4.12
37-12-AB	960423	12:00		215.0	6.2	8.00	0.005	0.004	0.998	0.496	2.060	0.006	0.119	0.083	1.50	2.27	3.77
37-12-AB	960423	15:00		214.0	6.2	7.98	0.005	0.004	1.208	0.486	2.030	0.006	0.128	0.093	1.70	2.26	3.96
37-12-AB	960423	18:00		212.0	6.1	8.01	0.006	0.025	1.454	0.554	1.960	0.007	0.136	0.095	2.04	2.20	4.24
37-12-AB	960423	21:00		212.0	6.1	8.05	0.002	0.003	1.381	0.621	2.000	0.006	0.133	0.094	2.01	2.23	4.24
37-12-AB	960424	00:00		212.0	6.2	8.02	0.001	0.002	1.201	0.503	1.970	0.006	0.128	0.090	1.71	2.19	3.90
37-12-AB	960424	03:00		208.0	6.1	7.99	0.004	0.003	1.317	0.635	2.020	0.005	0.112	0.083	1.96	2.22	4.18
37-12-AB	960424	06:00		206.0	6.1	8.00	0.000	0.003	1.087	0.354	1.960	0.004	0.112	0.081	1.44	2.16	3.60
37-12-AB	960424	09:00		205.0	6.2	7.97	0.005	0.010	1.340	0.563	1.950	0.006	0.116	0.084	1.92	2.15	4.07
37-12-AB	960424	12:00		205.0	6.2	8.00	0.004	0.003	1.514	0.575	1.980	0.005	0.094	0.073	2.10	2.15	4.25
37-12-AB	960424	15:00		203.0	6.2	7.94	0.000	0.002	1.138	0.386	1.930	0.006	0.124	0.089	1.53	2.15	3.67
37-12-AB	960424	18:00		202.0	6.1	7.99	0.010	0.005	1.434	0.506	1.920	0.006	0.123	0.087	1.96	2.14	4.09
37-12-AB	960504		1109.00	226.0	6.2	8.07	0.011	0.007	1.479	0.771	2.220	0.001	0.086	0.074	2.27	2.38	4.65
37-12-AB	960711	12:00		266.0	6.6	7.90	0.007	0.006	1.563	0.966	2.710	0.002	0.072	0.080	2.54	2.86	5.41
37-12-AB	960826	20:15		310.0	7.1	7.83	0.007	0.007	1.100	1.281	3.170	0.007	0.075	0.095	2.40	3.35	5.74
37-12-AB	960827	18:00		305.0	7.1	7.68	0.006	0.006	2.720	1.223	3.170	0.006	0.073	0.094	3.95	3.34	7.30
37-12-AB	960827	21:00		306.0	7.1	7.64											
37-12-AB	960828	00:00		307.0	7.1	7.72	0.005	0.004	2.145	1.254	3.180	0.005	0.074	0.090	3.41	3.35	6.76
37-12-AB	960828	03:00		307.0	7.1	7.70					1.000					1.00	1.00
37-12-AB	960828	06:00		306.0	7.1	7.72	0.007	0.006	2.071	1.278	3.160	0.005	0.073	0.095	3.36	3.33	6.69
37-12-AB	960828	09:00		305.0	7.1	7.73											
37-12-AB	960828	12:00		307.0	7.1	7.72	0.007	0.006	2.063	1.269	3.220	0.005	0.071	0.090	3.34	3.39	6.73
37-12-AB	960828	15:00		307.0	7.1	7.75	0.007	0.006	2.128	1.089	3.220	0.005	0.069	0.090	3.23	3.38	6.61
37-12-AB	960828	18:00		273.0	6.8	7.73	0.005	0.004	2.146	0.783	2.800	0.006	0.068	0.089	2.94	2.96	5.90
37-12-AB	960828	21:00		276.0	6.7	7.77	0.007	0.006	2.232	0.851	2.810	0.007	0.068	0.084	3.10	2.97	6.06
37-12-AB	960829	00:00		280.0	6.7	7.76	0.005	0.004	2.220	0.837	2.890	0.004	0.062	0.078	3.07	3.03	6.10
37-12-AB	960829	03:00		284.0	6.8	7.72	0.006	0.006	2.168	0.725	2.940	0.006	0.072	0.084	2.91	3.10	6.01
37-12-AB	960829	06:00		285.0	6.8	7.77	0.007	0.007	2.306	0.887	2.950	0.006	0.068	0.084	3.21	3.11	6.31
37-12-AB	960829	09:00		284.0	6.9	7.77	0.007	0.007	2.224	0.977	2.930	0.005	0.061	0.072	3.21	3.07	6.28
37-12-AB	960829	12:00		283.0	6.9	7.78	0.007	0.006	2.205	0.915	2.920	0.005	0.062	0.078	3.13	3.06	6.20
37-12-AB	960829	15:00		280.0	7.0	7.79	0.007	0.006	2.181	0.607	2.910	0.004	0.063	0.077	2.80	3.05	5.85
37-12-AB	960829	18:00		279.0	7.1	7.73	0.007	0.006	2.138	0.982	2.920	0.004	0.063	0.074	3.13	3.06	6.19
37-12-AB	960829	21:00		280.0	7.1	7.79											
37-12-AB	960830	00:00		281.0	7.3	7.81	0.007	0.006	2.108	0.938	2.940	0.003	0.060	0.073	3.06	3.08	6.13
37-12-AB	960830	03:00		283.0	7.4	7.81											
37-12-AB	960830	06:00		284.0	7.3	7.79	0.007	0.006	2.117	1.010	2.970	0.004	0.063	0.074	3.14	3.11	6.25
37-12-AB	960830	09:00		285.0	7.4	7.81											
37-12-AB	960830	12:00		286.0	7.4	7.80	0.007	0.006	2.102	1.112	3.020	0.003	0.058	0.071	3.23	3.15	6.38
37-12-AB	960830	15:00		288.0	7.3	7.77											
37-12-AB	961022	10:30	300.00	228.3	6.8	7.71	0.007	0.006	1.736	0.788	2.350	0.006	0.041	0.064	2.54	2.46	5.00
37-12-AB	961025	17:45	150.00	303.0	6.9	7.78	0.007	0.007	2.030	1.270	3.130	0.010	0.064	0.100	3.31	3.30	6.62

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Äquivalentkonzentrationen

Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (°C)	pH- Wert	Na ⁺ (meq/l)	K ⁺ (meq/l)	Ca ⁺⁺ (meq/l)	Mg ⁺⁺ (meq/l)	HCO ₃ ⁻ (meq/l)	Cl ⁻ (meq/l)	NO ₃ ⁻ (meq/l)	SO ₄ ⁻⁻ (meq/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)
37-12-AB	970226	14:15	108.00	267.0	6.4	7.88	0.012	0.005	1.929	0.998	2.610	0.010	0.192	0.089	2.94	2.90	5.85
37-12-AB	970414	15:00	136.00	243.0	6.3	7.88	0.022	0.015	1.873	1.156	2.780	0.012	0.105	0.082	3.07	2.98	6.04
37-12-AB	970414	18:00	136.00	246.0	6.3	7.88	0.011	0.006	1.795	1.119	2.810	0.009	0.104	0.082	2.93	3.01	5.94
37-12-AB	970414	21:00	137.00	247.0	6.3	7.92	0.015	0.009	1.781	1.119	2.820	0.011	0.103	0.084	2.93	3.02	5.94
37-12-AB	970415	00:00	137.00	247.0	6.3	7.90	0.016	0.006	1.831	1.143	2.810	0.012	0.107	0.085	3.00	3.01	6.01
37-12-AB	970415	03:00	137.00	248.0	6.3	7.88	0.011	0.006	1.825	1.138	2.800	0.016	0.105	0.084	2.98	3.00	5.99
37-12-AB	970415	06:00	137.00	249.0	6.3	7.88	0.030	0.021	1.796	1.141	2.810	0.013	0.103	0.086	2.99	3.01	6.00
37-12-AB	970415	09:00	139.00	252.0	6.3	7.91	0.012	0.006	1.847	1.155	2.860	0.012	0.105	0.087	3.02	3.06	6.08
37-12-AB	970415	12:00	139.00	256.0	6.4	7.82	0.016	0.009	1.848	1.180	2.910	0.014	0.102	0.084	3.05	3.11	6.16
37-12-AB	970415	15:00	139.00	251.0	6.4	7.87	0.019	0.009	1.829	1.139	2.910	0.018	0.099	0.083	3.00	3.11	6.11
37-12-AB	970415	18:00	139.00	253.0	6.4	7.87	0.020	0.012	1.832	1.137	2.810	0.012	0.102	0.087	3.00	3.01	6.01
37-12-AB	970415	21:00	138.00	254.0	6.4	7.87	0.011	0.006	2.062	1.192	2.900	0.011	0.104	0.086	3.27	3.10	6.37
37-12-AB	970416	00:00	138.00	251.0	6.4	7.88	0.011	0.006	1.844	1.115	2.950	0.011	0.106	0.085	2.98	3.15	6.13
37-12-AB	970416	06:00	137.00	248.0	6.4	7.80	0.011	0.007	1.872	1.106	2.810	0.010	0.107	0.082	3.00	3.01	6.01
37-12-AB	970416	12:00	137.00	246.0	6.4	7.87	0.011	0.007	1.792	1.121	2.750	0.012	0.108	0.082	2.93	2.95	5.88
37-12-AB	970416	18:00	136.00	245.0	6.4	7.88	0.012	0.006	1.906	1.111	2.740	0.011	0.108	0.083	3.03	2.94	5.98
37-12-AB	970417	00:00	136.00	249.0	6.4	7.88	0.015	0.009	1.799	1.131	2.810	0.011	0.108	0.085	2.95	3.01	5.97
37-12-AB	970417	06:00	136.00	252.0	6.4	7.88	0.012	0.008	1.789	1.149	2.890	0.011	0.106	0.084	2.96	3.09	6.05
37-12-AB	970417	12:00	135.00	254.0	6.4	7.86	0.012	0.006	1.810	1.172	2.880	0.013	0.105	0.085	3.00	3.08	6.08
37-12-AB	970417	19:30	136.50	257.0	6.4	7.87	0.011	0.006	1.849	1.215	2.980	0.011	0.103	0.084	3.08	3.18	6.26
37-12-AB	970418	08:15	134.00	260.0	6.4	7.86	0.010	0.005	1.581	1.075	1.000	0.010	0.102	0.084	2.67	1.20	3.87
37-12-AB	970418	19:30	135.00	260.0	6.4	7.86	0.014	0.007	1.799	1.196	2.990	0.011	0.098	0.087	3.02	3.19	6.20
37-12-AB	970514	19:30	920.00	186.0	5.9	8.09	0.011	0.004	1.462	0.385	1.880	0.007	0.097	0.046	1.86	2.03	3.89
37-12-AB	970705	15:00	122.00	306.0	6.9	7.79	0.016	0.009	1.882	1.218	3.220	0.015	0.103	0.092	3.12	3.43	6.55
37-12-AB	970705	18:00	122.00	307.0	6.9	7.72	0.011	0.005	1.908	1.230	3.220	0.006	0.106	0.090	3.15	3.42	6.58
37-12-AB	970705	21:00	122.00	306.0	6.9	7.91	0.012	0.006	1.973	1.254	3.230	0.012	0.078	0.072	3.24	3.39	6.64
37-12-AB	970706	00:00		306.0	6.9	7.89	0.014	0.008	2.006	1.276	3.210	0.014	0.102	0.094	3.30	3.42	6.72
37-12-AB	970706	03:00															
37-12-AB	970706	06:00															
37-12-AB	970706	09:00															
37-12-AB	970706	12:00		213.0	6.6	7.64	0.009	0.005	1.629	0.616	2.170	0.007	0.072	0.047	2.26	2.30	4.55
37-12-AB	970706	15:00		222.0	6.8	7.79	0.009	0.005	1.655	0.683	2.270	0.006	0.073	0.048	2.35	2.40	4.75
37-12-AB	970706	18:00		232.0	6.8	7.85	0.009	0.004	1.678	0.744	2.380	0.007	0.073	0.050	2.44	2.51	4.94
37-12-AB	970706	21:00		232.0	6.7	7.57	0.012	0.004	1.667	0.744	2.400	0.006	0.071	0.052	2.43	2.53	4.96
37-12-AB	970707	00:00		236.0	6.7	7.83	0.009	0.005	1.860	0.807	2.420	0.006	0.074	0.052	2.68	2.55	5.23
37-12-AB	970707	03:00	200.00	238.0	6.7	7.87	0.008	0.004	1.567	0.732	2.470	0.025	0.073	0.055	2.31	2.62	4.93
37-12-AB	970707	06:00	140.00	240.0	6.7	7.88	0.010	0.005	1.709	0.814	2.470	0.023	0.062	0.046	2.54	2.60	5.14
37-12-AB	970707	09:00	138.00	241.0	6.7	7.87	0.010	0.005	1.693	0.813	2.480	0.002	0.076	0.057	2.52	2.61	5.14
37-12-AB	970707	12:00		244.0	6.7	7.86	0.011	0.005	0.493	0.420	2.580	0.007	0.082	0.058	0.93	2.73	3.66
37-12-AB	970707	15:00		217.0	6.4	7.91	0.009	0.005	1.701	0.514	2.260	0.007	0.087	0.061	2.23	2.41	4.64
37-12-AB	970707	18:00		217.0	6.4	7.92	0.010	0.004	1.622	0.507	2.290	0.006	0.064	0.051	2.14	2.41	4.55

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

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Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (°C)	pH- Wert	Na ⁺ (meq/l)	K ⁺ (meq/l)	Ca ⁺⁺ (meq/l)	Mg ⁺⁺ (meq/l)	HCO ₃ ⁻ (meq/l)	Cl ⁻ (meq/l)	NO ₃ ⁻ (meq/l)	SO ₄ ⁻⁻ (meq/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)
37-12-AB	970707	21:00		216.0	6.5	7.79	0.009	0.004	1.696	0.535	2.260	0.005	0.059	0.048	2.24	2.37	4.62
37-12-AB	970708	00:00		220.0	6.6	7.91	0.010	0.005	1.662	0.634	2.290	0.005	0.054	0.040	2.31	2.39	4.70
37-12-AB	970708	03:00		226.0	6.6	7.90	0.012	0.007	1.394	0.555	2.340	0.007	0.064	0.049	1.97	2.46	4.43
37-12-AB	970708	06:00		229.0	6.6	7.87	0.010	0.005	1.351	0.560	2.370	0.011	0.072	0.049	1.93	2.50	4.43
37-12-AB	970708	09:00	148.00	227.0	6.6	7.93	0.009	0.004	1.820	0.736	2.400	0.011	0.065	0.051	2.57	2.53	5.10
37-12-AB	970708	12:00	143.00	230.0	6.6		0.009	0.005	1.627	0.676	2.410	0.008	0.068	0.054	2.32	2.54	4.86
37-12-AB	970708	15:00	140.00	236.0	6.6	7.92	0.008	0.004	1.754	0.743	2.420	0.007	0.076	0.052	2.51	2.55	5.06
37-12-AB	970708	18:00	139.00	240.0	6.6		0.012	0.006	1.361	0.603	2.780	0.006	0.070	0.054	1.98	2.91	4.89
37-12-AB	970708	21:00	139.00	244.0	6.6	7.92	0.011	0.006	1.784	0.813	2.500	0.008	0.124	0.054	2.61	2.69	5.30
37-12-AB	970709	00:00	139.00	247.0	6.7	7.88	0.010	0.006	1.807	0.850	2.540	0.011	0.070	0.059	2.67	2.68	5.35
37-12-AB	970709	03:00	139.00	250.0	6.8	7.87	0.010	0.006	1.881	0.852	2.600	0.004	0.072	0.060	2.75	2.74	5.48
37-12-AB	970709	06:00	137.00	253.0	6.8	7.92	0.010	0.005	1.811	0.893	2.640	0.012	0.080	0.059	2.72	2.79	5.51
37-12-AB	970709	12:00	137.50	258.0	6.8	7.85	0.010	0.005	1.851	0.951	2.750	0.006	0.080	0.059	2.82	2.90	5.71
37-12-AB	970709	18:00	137.00	264.0	6.8	7.78	0.010	0.006	1.829	0.988	2.770	0.007	0.078	0.059	2.83	2.91	5.75
37-12-AB	970710	00:00	137.00	268.0	6.8	7.78	0.009	0.004	1.549	0.867	2.780	0.007	0.084	0.064	2.43	2.93	5.36
37-12-AB	970710	06:00	137.00	277.0	6.8	7.84	0.009	0.005	1.972	1.179	2.800	0.008	0.085	0.068	3.17	2.96	6.13
37-12-AB	970710	12:30	136.00	284.0	6.8	7.79	0.012	0.005	1.917	1.150	2.940	0.005	0.089	0.072	3.08	3.11	6.19
37-12-AB	970710	18:00	138.50	287.0	6.9	7.81	0.012	0.006	1.925	1.177	3.200	0.013	0.091	0.074	3.12	3.38	6.50
37-12-AB	970711	00:00	138.00	261.0	6.7	7.80	0.018	0.007	1.902	0.895	2.740	0.004	0.080	0.070	2.82	2.89	5.72
37-12-AB	970711	06:00	137.50	265.0	6.7	7.78	0.009	0.005	1.902	0.936	2.770	0.007	0.083	0.066	2.85	2.93	5.78
37-12-AB	970711	12:00	137.50	272.0	6.8	7.82	0.011	0.006	1.967	0.994	2.820	0.009	0.087	0.069	2.98	2.99	5.96
37-12-AB	970711	18:00	136.50	274.0	6.8	7.89	0.010	0.004	2.134	1.083	2.850	0.007	0.087	0.071	3.23	3.02	6.25
37-12-AB	970820	12:10	130.00	304.0	6.8	7.93	0.010	0.006	2.099	1.242	3.240	0.007	0.083	0.088	3.36	3.42	6.77
37-14-01-AC	960123										1.000					1.00	1.00
37-14-03-A	960123		68.00	368.0	6.8	8.00	0.012	0.008	1.679	1.304	3.920	0.016	0.063	0.169	3.00	4.17	7.17
37-14-03-A	960504		295.00	340.0	7.4	7.94	0.013	0.009	2.028	1.381	3.390	0.008	0.086	0.256	3.43	3.74	7.17
37-14-03-A	960711	11:30	90.00	347.0	7.5	7.79	0.008	0.009	1.636	1.399	3.440	0.007	0.084	0.235	3.05	3.77	6.82
37-14-03-A	970226	10:45	117.00	342.0	6.8	7.78	0.032	0.009	2.273	1.405	3.370	0.011	0.132	0.197	3.72	3.71	7.43
37-14-03-A	970515	13:10	220.00	358.0	7.5	7.95	0.017	0.007	2.349	1.495	3.260	0.008	0.120	0.265	3.87	3.65	7.52
37-14-03-A	970820	12:30	200.00	361.0	7.6	7.87	0.020	0.011	2.432	1.509	3.590	0.010	0.116	0.260	3.97	3.98	7.95
37-19-ABB	960123		1.50	704.0	8.6	7.60	0.032	0.009	4.958	2.210	4.120	0.011	0.032	1.499	7.21	5.66	12.87
37-19-ABB	960504		2.00	703.0	9.1	7.50	0.012	0.014	4.215	2.026	4.100	0.008	0.045	4.315	6.27	8.47	14.74
37-19-ABB	960712	19:45	1.00	722.0	9.2	7.40	0.017	0.020	5.725	2.349	3.980	0.012	0.055	4.041	8.11	8.09	16.20
37-19-ABB	961025	08:30	5.00	722.0	8.8	7.47	0.012	0.022	5.801	2.339	4.030	0.014	0.056	3.984	8.17	8.08	16.26
37-19-ABB	970515	13:45	5.00	713.0	9.1	7.55	0.048	0.025	5.359	2.335	4.010	0.015	0.077	3.937	7.77	8.04	15.81
37-19-ABB	970820	13:00	1.00	710.0	9.5	7.55	0.045	0.020	5.135	2.217	3.970	0.013	0.062	4.101	7.42	8.15	15.56
37-21-M	960125		10.00	468.0	3.6	8.19	0.022	0.006	2.578	1.499	3.910	0.007	0.025	1.329	4.11	5.27	9.38
37-21-M	960503		10.00	358.0	8.1	8.20	0.011	0.012	2.209	1.227	3.070	0.011	0.078	0.658	3.46	3.82	7.28
37-21-M	960713	11:30	5.00	357.0	4.4	7.75	0.012	0.013	1.935	1.238	3.370	0.006	0.065	0.483	3.20	3.92	7.12
37-21-M	961022	16:00	8.00	406.4	8.9	7.49	0.019	0.013	3.098	1.241	3.970	0.013	0.055	0.404	4.37	4.44	8.81
37-21-M	970226	15:00	5.00	389.0	6.0	8.08	0.044	0.013	2.823	1.419	3.300	0.014	0.115	0.792	4.30	4.22	8.52

Anhang A-2

Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. ($\mu\text{S}/\text{cm}$ b. 25°C)	Temp. (°C)	pH- Wert	Na ⁺ (meq/l)	K ⁺ (meq/l)	Ca ⁺⁺ (meq/l)	Mg ⁺⁺ (meq/l)	HCO ₃ ⁻ (meq/l)	Cl ⁻ (meq/l)	NO ₃ ⁻ (meq/l)	SO ₄ ⁻⁻ (meq/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)
37-21-M	970515	14:50	5.00	351.0	9.4	8.01	0.046	0.039	2.508	1.233	3.090	0.010	0.087	0.643	3.83	3.83	7.66
37-21-M	970820	14:50	5.00	435.0	10.8	7.70	0.034	0.010	2.562	1.256	3.720	0.004	0.069	0.915	3.86	4.71	8.57

ANHANG A-3

FELDPARAMETER & IONEN-ÄQUIVALENTVERHÄLTNISSE

Erläuterungen:

Spalte Kurzbez.: Bezeichnung innerhalb des NPK-Flußnummernsystems, wenn nicht verfügbar, dann Bezeichnung nach zur Verfügung stehenden Unterlagen.

Spalte Entnahme JJMMTT: Entnahmedatum der Probe.

Spalte Uhrzeit: In Einzelfällen wurde auch die Uhrzeit der Entnahme angeführt.

Spalte Q (l/s): Schüttung, Abfluß bzw. Durchfluß in Litern pro Sekunde.

Spalte El. Leitf. ($\mu\text{S}/\text{cm}$ b. $25\text{ }^{\circ}\text{C}$): Elektrische Leitfähigkeit des Wassers in Mikrosiemens pro Zentimeter bezogen auf die Referenztemperatur von $25\text{ }^{\circ}\text{C}$.

Spalte Temp. ($^{\circ}\text{C}$): Wassertemperatur in Grad Celsius gemessen mit dem Temperaturfühler der Leitfähigkeitselektrode.

Spalte pH-Wert: pH-Wert des Wassers, elektrometrisch gemessen.

Spalte $\text{Ca}^{2+} / \text{Mg}^{2+}$: Calcium-Magnesium-Äquivalentverhältnis zur Differenzierung zwischen Einflüssen aus Kalken und Dolomiten.

Spalte $(\text{Ca}^{2+} + \text{Mg}^{2+}) / \text{HCO}_3^-$: Summe der Erdalkalien zum Hydrogenkarbonat. Eine zunehmende Abweichung von 1 deutet im kalkalpinen Bereich auf zunehmenden evaporitischen Einfluß entweder durch erhöhte Alkalianteile oder durch erhöhte Sulfatanteile hin.

Spalte $(\text{Na}^+ + \text{K}^+) / (\text{Ca}^{2+} + \text{Mg}^{2+})$: Verschiebung gegen 1 deutet auf erhöhten Evaporiteinfluß hin oder auf Ionenaustauschvorgänge, bei denen Alkalien freigesetzt werden.

Spalte $(\text{Na}^+ / \text{K}^+)$: Das Verhältnis liegt bei unbeeinflussten karbonatisch betonten Wässern i.d. bei 3-4. Ein erhöhter Kaliumeintrag verschiebt das Verhältnis nach 1 und darüber und würde dann z.B. auf salinaren oder auf anthropogenen Einfluß deuten.

Spalte $(\text{Na}^+ + \text{K}^+) / \text{Cl}^-$: Zur Differenzierung zwischen evaporitischem und anthropogenem Einfluß.

Spalte $\text{Cl}^- / \text{NO}_3^-$: Zur Differenzierung von naturbelassenen und anthropogen beeinflussten Verhältnissen

Spalte $\text{SO}_4^{2-} / \text{Cl}^-$: Zur Differenzierung evaporitischer oder karbonatischer Einflüsse.

Spalte $\text{HCO}_3^- / \text{SO}_4^{2-}$: Zur Differenzierung evaporitischer oder karbonatischer Einflüsse.

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Ionen-Äquivalentverhältnisse

Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. ($\mu\text{S}/\text{cm}$ b. 25°C)	Temp. (°C)	pH- Wert	Ca ⁺⁺ Mg ⁺⁺	(Ca ⁺⁺ +Mg ⁺⁺) HCO ₃ ⁻	(Na ⁺ +K ⁺) (Ca ⁺⁺ +Mg ⁺⁺)	Na ⁺ K ⁺	(Na ⁺ +K ⁺) Cl ⁻	Cl ⁻ NO ₃ ⁻	SO ₄ ⁻ Cl ⁻	HCO ₃ ⁻ SO ₄ ⁻
33-138-1-CE	960124		18.00	349.0	6.4	8.05	2.39	1.31	0.67	4.07	6.96	0.89	67.53	2.92
33-138-1-CE	960502		10.00	337.0	6.8	7.95	1.77	1.90	0.74	0.40	2.28	0.82	41.30	1.00
33-138-1-CE	960712	16:40	10.00	305.0	7.0	7.86	1.90	1.82	0.75	0.71	1.68	0.84	37.69	1.16
33-138-1-CE	961023	15:00	15.00	268.6	6.9	7.69	2.06	1.60	0.72	0.81	2.12	0.80	31.43	1.51
33-138-1-CE	970227	14:45	6.00	353.0	6.9	7.92	1.93	2.01	0.79	5.18	2.85	0.69	43.55	1.00
33-138-1-CE	970513	14:30	20.00	319.0	7.1	7.97	1.89	1.75	0.72	4.94	2.76	0.58	35.82	1.23
33-138-1-CE	970819	12:30	10.00	320.0	7.1	7.82	2.37	1.26	0.65	4.82	3.03	0.71	38.06	1.25
33-138-13-AA	960124		25.00	335.0	7.8	8.13	1.21	0.65	0.27	8.08	0.73	0.28	7.64	37.21
33-138-13-AA	960502		70.00	283.0	6.9	8.02	1.14	0.93	0.35	0.82	1.57	0.11	14.66	29.28
33-138-13-AA	960712	17:30	80.00	295.0	7.4	7.92	1.27	0.76	0.32	0.84	64.62	0.00	415.20	45.40
33-138-13-AA	961023	17:15	60.00	305.0	7.4	7.70	1.80	1.07	0.50	1.02	2.43	0.19	14.68	27.35
33-138-13-AA	970227	13:45	60.00	280.0	6.9	7.88	1.63	1.09	0.48	3.92	0.75	0.19	4.92	25.19
33-138-13-AA	970513	15:45	60.00	310.0	7.2	8.00	1.37	1.04	0.42	4.07	1.63	0.14	9.85	30.14
33-138-13-AA	970819	14:15	40.00	341.0	8.0	7.84								
33-138-2-	961023	16:10	25.00	224.3	6.0	7.76	22.01	1.11	1.02	1.85	1.88	0.19	11.78	14.44
33-138-2-	970513	14:45	50.00	221.0	5.6	8.24	22.10	1.07	0.98	2.73	1.57	0.15	10.72	13.03
33-138-2-	970819	15:00	30.00	221.0	6.0	8.09	18.99	1.05	0.95	2.84	1.66	0.15	15.13	11.00
33-138-7-AA	960124													
33-138-7-AA	960502		25.00	217.0	7.0	8.14	4.45	0.99	0.69	1.33	5.15	0.05	36.85	21.01
33-138-7-AA	960712	17:10	100.00	260.0	7.1	7.99	5.17	0.82	0.61	1.89				32.46
33-138-7-AA	961023	16:40	15.00	267.6	6.9	7.77	7.70	1.07	0.85	1.09	4.09	0.19	28.34	13.95
33-138-7-AA	970227	14:10	15.00	244.0	6.7	8.03	7.69	1.11	0.88	3.32	1.62	0.13	6.23	21.24
33-138-7-AA	970513	15:15	50.00	193.0	7.2	8.13	11.68	0.99	0.85	4.75	4.94	0.15	9.59	30.77
33-138-7-AB	970819	14:30	20.00	301.0	7.6	7.97	7.48	0.77	0.62	2.71	4.64	0.20	24.88	17.42
34-02-1-ABC	960124		10.00	263.0	4.9	8.09	1.31	0.52	0.26	0.30	4.65	0.99	2.00	58.12
34-02-1-ABC	960502		50.00	276.0	4.7	8.03	1.13	0.88	0.33	0.50	2.93	0.09	12.15	42.43
34-02-1-ABC	960712	15:00	60.00	270.0	5.1	7.94	1.31	0.89	0.37	0.59	7.64	0.04	23.90	52.18
34-02-1-ABC	961023	14:20	100.00	279.4	5.1	7.78	1.50	1.01	0.44	0.73	2.56	0.13	8.95	50.28
34-02-1-ABC	970514	14:50	80.00	265.0	5.1	8.00	1.54	1.03	0.45	5.32	2.66	0.12	4.58	66.64
34-02-1-ABC	970821	18:00	50.00	288.0	5.1	7.96	1.43	0.93	0.40	3.20	2.38	0.13	5.62	68.07
34-02-3-ECB	960502		25.00	325.0	6.0	7.98	0.86	0.90	0.28	0.68	1.29	0.11	9.47	36.90
34-02-3-ECB	960712	13:00	30.00	330.0	7.1	7.78	0.89	0.93	0.29	0.75	3.18	0.05	22.99	45.24
34-02-3-ECB	961023	12:30	40.00	333.6	6.8	7.62	1.08	1.01	0.36	1.93	1.42	0.23	6.38	45.64
34-02-3-ECB	970514	13:30	8.00	329.0	6.1	7.87	1.06	1.05	0.36	3.99	1.51	0.12	6.16	46.63
34-02-3-ECB	970821	15:00	10.00	355.0	7.3	7.77	1.22	1.15	0.42	3.03	1.68	0.12	8.90	48.48
34-02-3-GB	960126		344.00	283.0	7.0	8.31	2.39	0.76	0.44	5.59	0.69	0.31	12.29	13.66
34-02-3-GB	960502		3000.00											
34-02-3-GB	970821	11:00	500.00	327.0	7.5	7.97	2.67	1.20	0.66	9.18	1.50	1.50	12.31	4.26
34-02-3-J	960126		30.00	252.0	6.8	8.27	2.64	0.74	0.45	5.34	1.06	0.39	10.22	27.21
34-02-3-J	960502		40.00	217.0	6.8	8.19	2.56	0.91			0.01	149.42	24.18	
34-02-3-J	960712	12:10	45.00	252.0	7.1	7.99	3.02	0.95	0.58	0.61	2.22	0.08	20.32	29.72

Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (° C)	pH- Wert	Ca ⁺⁺ Mg ⁺⁺	(Ca ⁺⁺ +Mg ⁺⁺) HCO ₃ ⁻	(Na ⁺ +K ⁺) (Ca ⁺⁺ +Mg ⁺⁺)	Na ⁺ K ⁺	(Na ⁺ + K ⁺) Cl ⁻	Cl ⁻ NO ₃ ⁻	SO ₄ ⁼⁼ Cl ⁻	HCO ₃ ⁻ SO ₄ ⁼⁼
34-02-3-J	961023	12:00	40.00	225.3	7.0	7.83	4.87	1.04	0.73	1.24	1.34	0.27	6.42	29.99
34-02-3-J	970227	10:00	40.00	267.0	7.2	7.85	3.06	1.15	0.68	10.32	1.98	0.19	11.26	11.44
34-02-3-J	970514	11:00	30.00	204.0	7.2	8.12	3.95	1.00	0.67	3.72	1.35	0.10	5.34	42.98
34-02-3-J	970821	12:15	35.00	321.0	7.5	8.01	2.70	1.12	0.63	6.86	1.75	1.16	12.14	4.83
34-02-4-1-ACA	960502		70.00	281.0	5.6	7.89	1.20	0.97	0.37	2.31	2.65	0.08	12.80	40.31
34-02-4-1-ACA	960712	13:40	80.00	301.0	5.5	7.76	1.12	0.79	0.30	1.36	42.81	0.01	205.33	49.91
34-02-4-1-ACA	970514	13:50	50.00	283.0	5.5	7.82	1.28	1.01	0.39	3.39	2.19	0.11	6.69	51.93
34-02-4-1-ACA	970821	15:30	25.00	297.0	5.6	7.81	2.30	0.99	0.53	1.73	2.22	0.12	11.83	38.29
34-02-4-2-DBC	960126		2.00	239.0	5.0	8.29	4.99	0.84	0.62	2.87	0.78	0.20	4.36	28.82
34-02-4-2-DBC	960502		25.00	206.0	5.4	8.17	3.11	1.04	0.63	0.74	2.48	0.03	19.65	21.77
34-02-4-2-DBC	960712	10:30	30.00	224.0	5.7	8.03	2.24	0.75	0.42	5.79	1.69	0.26	2.92	28.61
34-02-4-2-DBC	961023	10:30	30.00	210.6	5.7	7.92	4.01	1.05	0.70	1.01	1.59	0.12	9.27	27.01
34-02-4-2-DBC	970227	12:00	10.00	284.0	5.1	7.98	3.77	1.06	0.69	3.86	1.82	0.07	6.69	31.96
34-02-4-2-DBC	970514	12:00	5.00	195.0	5.5	8.14	5.12	1.17	0.82	3.08	1.45	0.09	5.89	29.85
34-02-4-2-DBC	970821	13:15	10.00	227.0	6.0	8.05	5.44	1.01	0.74	2.79	2.14	0.11	10.17	30.56
34-02-4-2-F	960126		5.00	305.0	6.4	8.25	2.03	0.56	0.32	4.35	1.56	0.21	7.35	60.25
34-02-4-2-F	960502		20.00	232.0	6.5	8.07	2.20	0.90	0.49	0.43				28.89
34-02-4-2-F	960712	11:00	50.00	288.0	6.9	7.96	2.25	0.86	0.47	1.11	7.80	0.04	31.49	46.27
34-02-4-2-F	961023	11:00	40.00	273.5	7.0	7.79	2.74	1.03	0.59	1.03	3.08	0.12	15.27	37.61
34-02-4-2-F	970227	12:30	15.00	258.0	6.4	8.01	2.98	1.06	0.63	3.34	1.70	0.11	4.64	38.30
34-02-4-2-F	970514	12:20	15.00	229.0	6.4	8.09	3.21	0.99	0.61	2.64	2.01	0.12	5.28	47.48
34-02-4-2-F	970821	13:45	10.00	324.0	7.5	7.97	1.54	1.12	0.47	3.47	3.22	0.15	7.96	39.72
34-02-4-2-I	960126		12.00	301.0	6.6	8.16	1.64	0.74	0.36	3.10	1.37	0.21	7.96	30.89
34-02-4-2-I	960502		60.00	289.0	7.0	8.11	1.78	1.01	0.48	1.17	2.60	0.06	17.84	27.31
34-02-4-2-I	960712	11:30	100.00	297.0	6.9	8.02	1.49	0.84	0.38	1.55	3.19	0.07	15.02	31.03
34-02-4-2-I	961023	11:30	100.00	305.0	6.7	7.97	2.32	1.06	0.56	1.78	2.36	0.10	11.71	30.87
34-02-4-2-I	970227	13:00	30.00	296.0	6.4	7.85	2.16	1.01	0.53	2.60	1.83	0.11	6.12	32.73
34-02-4-2-I	970514	12:40	50.00	287.0	7.2	7.88	2.04	1.04	0.52	2.26	2.48	0.10	8.28	31.37
34-02-4-2-I	970821	14:00	30.00	301.0	7.6	7.92	2.07	1.02	0.52	1.87	2.89	0.10	10.24	32.51
34-09-C	960126		50.00	323.0	4.5	8.11	1.71	0.81	0.39	5.10	2.83	0.31	15.05	18.61
34-09-C	960502		200.00	259.0	7.0	8.03	1.94	0.94	0.47	0.65	2.08	0.12	19.38	14.27
34-09-C	960712	18:30	250.00	303.0	7.6	7.94	1.59	0.87	0.40	0.88	4.64	0.06	30.01	24.35
34-09-C	970227	09:30	50.00	282.0		7.81	2.32	1.12	0.59	5.78	3.05	0.11	12.22	16.21
34-09-C	970514	10:30	150.00	263.0	7.7	8.10	2.41	1.06	0.58	6.82	3.14	0.19	12.37	14.17
34-09-C	970821	09:50	100.00	333.0	10.3	8.10	2.10	0.90	0.48	3.73	3.25	0.34	16.25	10.96
34-09-E	970514	10:00	1.00	402.0	8.4	7.66	1.20	1.06	0.39	6.87	2.07	0.33	7.80	17.34
34-09-E	970821	09:30	0.50	498.0	8.5	7.61	1.22	1.19	0.43	11.42	1.74	1.38	6.95	7.47
34-16-1-OA	960126		8.00	383.0	7.7	7.68	1.18	0.87	0.34	2.08	1.12	0.27	6.69	49.56
34-16-1-OA	960502		5.00	380.0	7.7	7.71	0.92	0.91	0.30	0.96	1.03	0.15	9.82	38.47
34-16-1-OA	960712	09:30	10.00	377.0	7.9	7.65	0.79	0.87	0.26	0.80	1.14	0.14	10.35	39.02
34-16-1-OA	961023	08:40	15.00	384.7	7.7	7.49	1.16	1.01	0.37	1.04	0.96	0.19	7.49	40.27

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Ionen-Äquivalentverhältnisse

Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (°C)	pH- Wert	Ca ⁺⁺ Mg ⁺⁺	(Ca ⁺⁺ +Mg ⁺⁺) HCO ₃ ⁻	(Na ⁺ +K ⁺) (Ca ⁺⁺ +Mg ⁺⁺)	Na ⁺ K ⁺	(Na ⁺ +K ⁺) Cl ⁻	Cl ⁻ NO ₃ ⁻	SO ₄ ⁻ Cl ⁻	HCO ₃ ⁻ SO ₄ ⁻
34-16-1-OA	970227	09:00	4.00	380.0	7.7	7.45	1.13	1.00	0.36	1.65	2.66	0.13	8.00	42.10
34-16-1-OA	970414	15:15	4.00	387.0	7.6	7.79	1.16	1.06	0.38	2.82	0.80	0.29	4.85	37.32
34-16-1-OA	970414	18:00	4.00	389.0	7.6	7.77	1.15	1.05	0.38	1.96	1.41	0.17	8.34	38.86
34-16-1-OA	970414	21:00	4.00	389.0	7.6	7.79	1.15	1.06	0.38	2.21	1.61	0.16	8.70	40.94
34-16-1-OA	970415	00:00	4.00	389.0	7.6	7.78	1.14	1.03	0.37	2.33	1.50	0.16	8.94	39.77
34-16-1-OA	970415	03:00	4.00	389.0	7.6	7.77	1.12	1.11	0.39	1.75	1.55	0.15	8.82	41.42
34-16-1-OA	970415	06:00	4.00	389.0	7.6	7.78	1.13	1.03	0.37	11.62	6.76	0.14	9.76	40.26
34-16-1-OA	970415	09:00	4.00	389.0	7.6	7.79	1.12	1.04	0.37	2.07	1.49	0.16	8.28	41.56
34-16-1-OA	970415	12:00	5.00	388.0	7.6	7.68	1.15	1.06	0.38	2.13	1.48	0.15	8.86	41.35
34-16-1-OA	970415	15:00	5.00	385.0	7.6	7.68	1.14	1.05	0.38	1.44	3.38	0.15	9.21	40.33
34-16-1-OA	970415	18:00	5.00	381.0	7.6	7.68	1.15	1.02	0.37	2.15	1.44	0.15	8.84	41.23
34-16-1-OA	970415	21:00	5.00	378.0	7.6	7.68	1.13	10.06	0.94	1.50	2.50	0.16	8.54	4.10
34-16-1-OA	970416	00:00	4.00	378.0	7.6	7.67	1.14	1.05	0.37	1.85	1.65	0.16	8.76	38.85
34-16-1-OA	970416	06:00	4.00	379.0	7.6	7.70	1.14	1.00	0.36	8.00	5.19	0.15	9.10	38.49
34-16-1-OA	970416	12:00	4.00	382.0	7.6	7.69	1.15	1.06	0.38	2.47	1.41	0.16	8.87	39.11
34-16-1-OA	970416	18:00	4.00	382.0	7.6	7.69	1.13	1.05	0.38	1.92	1.07	0.22	6.08	40.52
34-16-1-OA	970417	00:00	4.00	384.0	7.6	7.70	1.17	1.07	0.39	2.13	1.38	0.17	8.05	40.56
34-16-1-OA	970417	06:00	4.00	388.0	7.6	7.70	1.14	1.04	0.37	2.19	2.10	0.09	15.20	38.63
34-16-1-OA	970417	12:00	4.00	388.0	7.6	7.70	1.12	1.03	0.37	2.18	1.50	0.15	9.05	39.77
34-16-1-OA	970514	09:30	3.00	386.0	7.8	7.70	1.14	1.03	0.37	2.12	1.32	0.13	7.67	42.17
34-16-1-OA	970705	15:00	2.50	374.0	7.7	7.67	1.14	1.06	0.38	2.46	1.52	0.18	5.32	38.06
34-16-1-OA	970705	18:00	2.50	383.0	7.7	7.69	1.13	0.99	0.36	2.33	1.63	0.14	8.91	39.78
34-16-1-OA	970705	21:00	2.50	383.0	7.7	7.70	1.12	1.21	0.41	1.94	1.28	0.14	7.85	36.54
34-16-1-OA	970706	00:00	2.50	383.0	7.7	7.70	1.13	1.07	0.38	2.00	1.51	0.14	8.55	39.59
34-16-1-OA	970706	03:00	3.00	382.0	7.8	7.68	1.11	1.04	0.37	1.73	1.55	0.13	7.62	42.26
34-16-1-OA	970706	06:00	3.00	369.0	7.8	7.67	1.12	0.99	0.36	2.83	5.32	0.13	8.55	58.49
34-16-1-OA	970706	09:00	3.00	370.0	7.7	7.70	1.06	1.04	0.36	1.94	4.05	0.10	10.54	58.03
34-16-1-OA	970706	12:00	3.50	367.0	7.8	7.66	1.10	1.02	0.36	2.22	1.85	0.12	9.03	54.94
34-16-1-OA	970706	15:00	3.50	365.0	7.7	7.64	1.09	1.02	0.36	2.12	2.13	0.11	10.48	48.14
34-16-1-OA	970706	18:00	3.50	368.0	7.7	7.68	1.11	1.03	0.36	2.26	0.86	0.24	4.45	47.62
34-16-1-OA	970706	21:00	3.50	371.0	7.7	7.67	1.11	1.05	0.37	2.28	0.97	0.18	5.99	46.09
34-16-1-OA	970707	00:00	3.50	374.0	7.7	7.68	1.14	1.05	0.38	1.71	2.15	0.12	8.82	43.90
34-16-1-OA	970707	03:00	3.50	376.0	7.7	7.65	1.12	0.98	0.36	1.63	2.31	0.12	8.74	45.87
34-16-1-OA	970707	06:00	3.50	377.0	7.7	7.68	1.12	1.03	0.37	2.40	1.13	0.14	7.82	42.70
34-16-1-OA	970707	09:00	3.50	378.0	7.7	7.69	1.10	1.01	0.36	1.68	2.15	0.14	7.86	43.60
34-16-1-OA	970707	12:00	3.50	379.0	7.8	7.69	1.10	1.00	0.36	2.34	1.29	0.13	8.97	43.20
34-16-1-OA	970707	15:00	3.50	378.0	7.8	7.69	1.09	1.00	0.36	1.65	2.15	0.14	8.39	44.51
34-16-1-OA	970707	18:00	3.50	374.0	7.8	7.80	1.09	1.09	0.38	1.49	1.61	0.22	5.29	49.67
34-16-1-OA	970707	21:00	3.50	366.0	7.7	7.61	1.11	1.00	0.36	1.68	3.85	0.14	7.83	54.48
34-16-1-OA	970708	00:00	3.50	364.0	7.7	7.62	1.12	1.06	0.37	1.68	2.20	0.13	8.20	51.92
34-16-1-OA	970708	03:00	3.50	363.0	7.7	7.60	1.11	1.05	0.37	2.58	0.80	0.21	5.34	47.17

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Ionen-Äquivalentverhältnisse

Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (°C)	pH- Wert	Ca ⁺⁺ Mg ⁺⁺	(Ca ⁺⁺ +Mg ⁺⁺) HCO ₃ ⁻	(Na ⁺ +K ⁺) (Ca ⁺⁺ +Mg ⁺⁺)	Na ⁺ K ⁺	(Na ⁺ +K ⁺) Cl ⁻	Cl ⁻ NO ₃ ⁻	SO ₄ ⁻ Cl ⁻	HCO ₃ ⁻ SO ₄ ⁻
34-16-1-OA	970708	06:00	3.50	368.0	7.7	7.64	1.12	1.05	0.37	2.87	4.80	0.07	14.81	45.57
34-16-1-OA	970708	09:00	3.00	373.0	7.7	7.64	1.15	1.06	0.38	1.93	1.72	0.13	8.48	45.61
34-16-1-OA	970708	12:00	3.00	374.0	7.7	7.65	1.11	1.03	0.37	2.50	2.90	0.08	13.80	44.94
34-16-1-OA	970708	15:00	3.00	375.0	7.7	7.66	1.12	1.12	0.39	2.12	1.06	0.14	7.78	44.69
34-16-1-OA	970708	18:00	3.00	377.0	7.7	7.62	1.12	0.97	0.35	2.22	1.03	0.13	8.17	43.20
34-16-1-OA	970708	21:00	3.00	379.0	7.7	7.66	1.12	0.97	0.35	2.20	1.06	0.16	6.82	46.62
34-16-1-OA	970709	00:00	3.00	379.0	7.7	7.66	1.16	1.06	0.38	2.23	1.77	0.09	12.05	43.40
34-16-1-OA	970709	03:00	3.00	380.0	7.7	7.67	1.16	1.07	0.38	2.01	1.20	0.15	7.38	42.19
34-16-1-OA	970709	06:00	3.00	380.0	7.7	7.67	1.13	1.05	0.37	2.26	0.81	0.18	6.22	42.65
34-16-1-OA	970709	12:00	3.00	383.0	7.7	7.69	1.13	1.05	0.38	1.56	5.95	0.05	25.26	40.71
34-16-1-OA	970709	18:00	2.50	382.0	7.7	7.65	1.12	0.98	0.36	2.14	1.31	0.15	7.51	44.80
34-16-1-OA	970710	00:00	2.50	384.0	7.7	7.64	1.12	1.04	0.37	2.26	1.26	0.15	7.40	42.04
34-16-1-OA	970710	06:00	2.50	384.0	7.7	7.66	1.25	1.08	0.41	2.42	1.21	0.14	7.91	41.95
34-16-1-OA	970710	12:00	2.50	384.0	7.7	7.70	1.11	1.04	0.37	1.65	1.65	0.14	8.18	40.38
34-16-1-OA	970710	18:00	2.50	382.0	7.7	7.65	1.11	0.97	0.35	2.25	1.28	0.14	7.85	45.79
34-16-1-OA	970711	00:00	2.50	381.0	7.7	7.66	1.11	0.98	0.35	2.24	3.07	0.05	18.97	42.86
34-16-1-OA	970711	06:00	2.50	386.0	7.7	7.66	1.12	1.04	0.37	2.63	0.98	0.15	7.06	41.74
34-16-1-OA	970711	12:00	2.50	385.0	7.7	7.68	1.12	0.98	0.36	2.23	2.05	0.13	8.86	42.90
34-16-1-OA	970711	18:00	2.50	386.0	7.7	7.66				2.12	1.17	0.14	7.52	42.78
34-16-1-OA	970821	09:00	7.00	387.0	7.8	7.70	1.14	1.04	0.37	2.00	1.45	0.13	7.96	44.78
35-01-	960710	17:45	1000.00	167.0	4.7	8.01	3.11	0.93						57.27
35-01-	961024	11:30	1000.00	157.4	4.5	8.05	5.28	1.07	0.78	0.26	0.81	0.63	2.08	43.24
35-20-BA	970513	10:30	2640.00	165.0	6.2	8.26	4.71	1.00	0.71	3.90	2.21	0.10	4.25	53.01
35-20-BBA	960124		100.00	236.0	7.0	8.17	2.38	0.65	0.38	1.59	0.99	0.23	5.79	41.91
35-20-BBA	960503		1700.00	171.0	6.0	8.24	2.86	1.05						34.52
35-20-BBA	960710	10:50	175.00	205.0	6.3	8.13	2.93	0.87						39.26
35-20-BBA	961024	11:30	991.00	190.9	6.3	7.90	4.23	1.07	0.72	5.54	1.07	1.09	1.38	37.88
35-20-BBA	970225	11:00	692.00	230.0	6.7	7.98	3.88	1.09	0.71	2.12	4.88	0.08	5.55	43.04
35-20-BBA	970819	10:30	303.00	229.0	7.0	8.16	3.09	0.98	0.60	1.75	2.66	0.10	10.35	36.59
35-27-AB	960124		15.00	397.0	5.2	7.91	1.27	0.60	0.27	2.89	0.57	0.23	5.54	40.70
35-27-AB	960503		40.00	354.0	7.8	7.88	1.03	0.89	0.32	0.73	0.75	0.16	7.28	25.69
35-27-AB	960710	19:10	40.00	359.0	8.5	7.75	0.90	0.82	0.27	0.57	1.44	0.12	10.34	29.99
35-27-AC	961024	09:30	40.00	361.1	7.9	7.62	1.43	1.06	0.44	0.89	0.98	0.19	6.47	29.03
35-27-AC	970225	09:45	15.00	353.0	7.9	7.90	1.44	1.09	0.45	4.06	1.60	0.12	7.12	26.80
35-27-AC	970513	10:00	30.00	358.0	8.1	7.90	1.46	1.09	0.45	0.59	1.69	0.10	8.52	31.58
35-27-AC	970819	09:15	20.00	359.0	8.2	7.83	1.48	0.96	0.41	3.15	1.27	0.13	7.66	29.20
35-28-DAA	960124		5.00	293.0	5.7	8.12	2.79	0.55	0.35	1.70	0.85	0.16	7.99	29.71
35-28-DAA	960503		20.00	281.0	7.0	8.01	3.56	0.81	0.54	0.29	0.96	0.09	9.36	20.91
35-28-DAA	960710	19:30	15.00	295.0	7.0	7.74	3.77	0.81	0.55	0.93	1.95	0.07	12.92	27.62
35-28-DAA	961024	09:00	15.00	319.8	7.1	7.54	6.67	1.07	0.82	1.04	1.20	0.17	9.38	26.90
35-28-DAA	970225	10:15	8.00	281.0	7.2	7.70	5.92	1.13	0.83	3.25	1.25	0.08	7.24	25.43

Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (°C)	pH- Wert	Ca ⁺⁺ Mg ⁺⁺	(Ca ⁺⁺ +Mg ⁺⁺) HCO ₃ ⁻	(Na ⁺ +K ⁺) (Ca ⁺⁺ +Mg ⁺⁺)	Na ⁺ K ⁺	(Na ⁺ +K ⁺) Cl ⁻	Cl ⁻ NO ₃ ⁻	SO ₄ ⁻ Cl ⁻	HCO ₃ ⁻ SO ₄ ⁻
35-28-DAA	970513	09:30	10.00	268.0	7.1	7.95	5.52	1.04	0.76	3.15	1.43	0.09	7.13	28.54
35-28-DAA	970819	08:45	5.00	311.0	7.1	7.83	3.85	1.06	0.69	1.97	3.49	0.08	13.17	24.84
35-34-1-AA	960830	10:30	0.50	179.6	2.6	8.26	3.44	1.19	0.73	1.69	33.48	0.00	197.17	39.56
35-34-1-AA	970708	12:30	2.00	179.0	2.6		3.07	1.03	0.62	1.72	1.44	0.06	5.78	60.96
35-34-1-ACB	960422	11:30	12.00	192.0	3.4	7.91	2.51	1.01	0.56	1.14	2.16	0.08	9.57	25.93
35-34-1-ACB	960504		80.00	186.0	1.4	7.79	2.35	1.05	0.56	0.83	0.73	0.13	7.24	24.06
35-34-1-ACB	960711	17:00	25.00	182.0	6.6	8.24	1.71	0.84	0.41	0.71				35.38
35-34-1-ACB	961025	11:00	30.00	187.0	2.6	8.02	3.48	1.05	0.66	1.25	2.37	0.09	12.31	32.78
35-34-1-ACB	970226	12:00	25.00	205.7	3.6	6.21	3.27	1.08	0.66	6.08	2.85	0.09	6.62	35.49
35-34-1-ACB	970515	10:30	30.00	139.0	2.8	7.60	5.51	1.80	1.20	1.92	1.93	0.07	6.77	39.37
35-34-1-ACB	970820	16:30	30.00	177.4	9.8	7.75	2.79	1.07	0.62	1.95	3.57	0.08	8.90	39.86
35-34-1-BCB	960422	12:30	0.05	294.0	1.5	7.66	4.60	0.79	0.58	1.05	4.43	0.21	9.56	31.67
35-34-1-BCB	960829	16:00	1.00	195.2	16.0	7.62	5.77	1.05	0.78	1.94	13.23	0.60	19.75	40.09
35-34-1-BCB	970708	11:00	10.00	169.0	8.1		1.93	1.68	0.71	3.05	4.63	0.28	10.08	32.29
35-34-1-D	960504		30.00	171.0	3.7	7.82	3.74	1.15	0.73	1.61				27.59
35-34-1-D	960711	18:00	15.00	228.0	4.5	7.97	3.77	0.87	0.59	1.33	6.95	0.06	24.16	32.77
35-34-1-D	961025	12:00	10.00	222.0	4.9	8.08	6.57	1.08	0.82	1.21	2.67	0.18	12.42	26.10
35-34-1-D	970226	12:30	3.00	222.4	4.4	7.96	6.27	1.13	0.85	4.66	1.98	0.08	4.17	25.72
35-34-1-D	970515	09:45	15.00	126.0	3.7	7.72	6.13	1.06	0.80	1.87	1.83	0.11	4.62	45.99
35-34-1-D	970820	16:00	5.00	263.0	5.3	7.68	4.82	1.02	0.72	2.56	2.76	0.19	6.14	34.40
35-34-1-ED	960504		200.00	194.0	4.5	8.02	2.37	1.03	0.56	1.75	1.94	0.08	7.91	31.55
35-34-2-CA	960125		7.00	226.0	5.3	8.41	1.37	0.67	0.30	2.30	0.96	0.21	5.18	31.50
35-34-2-CA	960504		143.00	183.0	4.9	8.11	1.43	1.00	0.42	1.32				25.32
35-34-2-CA	960711	08:00	50.00	219.0	6.2	8.11	1.32	0.92	0.38	1.45				38.09
35-34-2-CA	961024	08:00	40.00	222.4	7.4	8.08	1.83	1.03	0.49	1.26	1.40	0.13	9.33	39.02
35-34-2-CA	970226	08:00	123.00	219.0	6.8	8.04	1.75	1.10	0.50	3.70	1.05	0.11	4.02	37.55
35-34-2-CA	970513	07:45	102.00	184.1	5.3	8.31	1.70	1.03	0.47	2.90	1.54	0.08	5.45	43.12
35-34-2-CA	970820	18:30	50.00	235.0	6.9	8.36	1.63	1.01	0.46	2.08	9.68	0.07	11.94	47.68
35-34-7-BA	960125													
35-34-7-BA	960504		416.00	264.0	6.2	7.92	1.35	0.91	0.38	1.10	2.82	0.05	21.86	27.56
35-34-7-BA	960711	09:00	80.00	263.0	6.5	7.93	1.86	1.12	0.53	1.06	9.98	0.01	80.34	27.20
35-34-7-BA	961022	18:00	300.00	275.5	7.0	7.84	1.93	1.06	0.52	0.67	3.44	0.06	27.37	29.95
35-34-7-BA	970226	08:45	71.00	264.0	6.5	7.80	1.94	1.07	0.52	4.00	3.30	0.09	12.17	29.89
35-34-7-BA	970513	08:30	423.00	251.7	6.5	8.03	1.86	1.02	0.49	1.55	5.83	0.08	9.14	33.72
35-34-7-BA	970820	18:00	0.20	252.0	7.1	8.01	1.92	1.39	0.62	1.96	3.16	0.08	12.41	33.01
35-34-7-DA	960125		25.00	322.0	7.2	7.92	1.91	0.63	0.34	2.15	0.92	0.17	8.53	23.87
35-34-7-DA	960504		10.00	287.0	7.4	7.90	1.73	0.97	0.46	1.18	1.57	0.07	11.70	23.26
35-34-7-DA	960711	09:30	30.00	286.0	7.1	7.90	1.65	0.87	0.41	1.06	1.97	0.05	14.66	25.93
35-34-7-DA	961022	17:45	80.00	269.6	7.2	7.78	2.71	1.11	0.62	0.67	1.38	0.07	9.84	29.76
35-34-7-DA	970226	09:15	15.00	314.0	7.3	7.66	1.84	1.10	0.52	5.86	2.33	0.12	6.75	25.70
35-34-7-DA	970513	09:00	30.00	287.6	7.3	7.95	2.00	1.05	0.52	3.32	0.90	0.13	4.18	26.19

Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. ($\mu\text{S}/\text{cm}$ b. 25°C)	Temp. (°C)	pH- Wert	Ca ⁺⁺ Mg ⁺⁺	(Ca ⁺⁺ +Mg ⁺⁺) HCO ₃ ⁻	(Na ⁺ +K ⁺) (Ca ⁺⁺ +Mg ⁺⁺)	Na ⁺ K ⁺	(Na ⁺ +K ⁺) Cl ⁻	Cl ⁻ NO ₃ ⁻	SO ₄ ⁻ Cl ⁻	HCO ₃ ⁻ SO ₄ ⁻
35-34-7-DA	970820	17:30	25.00	312.0	7.3	7.86	1.73	1.10	0.50	2.68	3.22	0.08	9.87	24.43
35-43-AB	960125		15.00	339.0	6.8	7.98	3.94	0.94	0.63	3.91	0.91	0.21	6.84	12.96
35-43-AB	960503		25.00	311.0	7.9	8.14	3.41	0.95	0.61	0.61	0.94	0.11	8.87	14.38
35-43-AB	960713	12:30	25.00	318.0	8.9	7.97	4.17	0.95	0.65	0.73	1.18	0.10	10.56	15.18
35-43-AB	961022	16:45	15.00	324.7	7.9	7.78	6.88	1.10	0.85	0.73	1.19	0.11	8.96	22.91
35-43-AB	970226	16:00	15.00	343.0	8.0	7.78	4.26	1.15	0.77	5.53	1.21	0.19	6.99	11.91
35-43-AB	970515	15:20	15.00	333.0	8.3	7.96	4.75	1.11	0.77	3.91	1.15	0.16	6.63	12.22
35-43-AB	970820	16:40	15.00	338.0	8.2	7.96	4.49	1.10	0.75	4.08	1.38	0.17	7.57	11.66
36-01-	961024	16:30		243.0	6.3	7.82	10.55	1.17	1.01	0.20	0.66	3.79	1.83	8.19
36-01-	970225	14:45	241.00	393.0	7.1	7.80	5.92	1.44	1.03	46.67	1.01	9.57	0.99	2.72
36-01-	970513	18:00	1050.00	177.0	5.2	8.19	12.69	1.03	0.89	10.46	1.45	1.19	2.20	15.31
36-01-	970819	16:30		309.0	7.3	7.94	8.19	1.22	0.97	24.27	1.14	8.20	1.79	3.86
36-06-13-BA	961024	15:00	0.25	372.9	9.2	7.43								
36-06-13-BB	961024	15:00	0.10	2528.7	8.8	7.07	7.56	6.79	3.38	0.16	1.71		114.28	0.18
36-06-4-ABA	960124		15.00	378.0	3.6	8.56	2.69	1.53	0.79	15.65	6.86	0.95	91.59	2.83
36-06-4-ADA	960503		300.00	333.0	5.2	8.04	1.97	1.35	0.62	0.41	0.93	0.53	29.50	2.30
36-06-4-ADA	960710	14:10	100.00	332.0	5.2	7.79	1.83	1.20	0.55	0.38	1.10	0.59	37.02	2.16
36-06-4-ADA	961023	17:45	250.00	334.5	5.6	7.80	2.37	1.41	0.70	0.50	1.25	0.57	39.48	2.48
36-06-4-ADA	970225	13:15	50.00	393.0	5.2	7.81	2.76	1.75	0.88	14.80	1.37	1.16	27.18	1.32
36-06-4-ADA	970513	16:15	313.00	318.0	5.2	8.11	2.28	1.34	0.66	4.71	1.81	0.47	33.21	2.48
36-06-4-ADA	970819	15:30	50.00	334.0	5.3	8.02	2.47	1.45	0.73	5.59	1.75	0.62	34.70	1.95
36-06-6-CD	960124		20.00	374.0	8.5	7.70	1.42	0.76	0.34	6.55	3.42	0.83	14.17	17.09
36-06-6-CD	960503		40.00	335.0	8.2	7.72	2.02	0.95	0.49	0.50	1.52	0.49	15.77	9.70
36-06-6-CD	960710	15:40	50.00	304.0	7.7	7.44	3.35	0.70	0.47	0.80	2.34	0.37	13.67	20.17
36-06-6-CD	961023	18:10	50.00	323.7	7.4	7.46	7.50	1.09	0.85	0.78	1.59	0.73	15.45	13.85
36-06-6-CD	970225	14:15	25.00	342.0	8.5	8.50	2.74	1.11	0.63	4.57	3.07	0.35	16.25	11.01
36-06-6-CD	970513	16:50	40.00	341.0	8.2	7.83	2.33	1.07	0.57	3.96	1.82	0.67	9.96	10.52
36-06-6-CD	970819	16:00	30.00	378.0	8.3	7.73	1.85	1.06	0.50	3.77	2.72	0.66	16.47	9.05
36-08-1-A	960124		430.00	209.0	5.7	8.20	1.81	0.93	0.45	3.94	2.40	0.55	3.87	50.04
36-08-1-A	960503		4000.00	171.0	4.7	8.27	2.38	1.06	0.57	1.19				37.99
36-08-1-A	960710	16:30		188.0	4.7	7.99	1.93	0.82						47.82
36-08-1-A	961024	12:45		183.0	4.8	8.05	3.20	1.04	0.64	0.90	1.57	0.13	10.43	41.34
36-08-1-A	970225	17:00		207.0	5.8	8.00	1.74	1.08	0.49	9.41	1.42	0.49	2.66	28.96
36-08-1-A	970513	18:30	10300.00	158.0	5.3	8.25	4.10	0.96	0.65	6.11				
36-08-1-A	970819	19:30	2090.00	188.0	5.0	8.27	3.07	1.05	0.63	1.96	1.95	0.14	7.25	55.74
36-12-1-HA	960124		8.00	266.0	7.5	8.25	2.63	0.64	0.40	1.91	1.28	0.27	5.66	55.62
36-12-1-HA	960503		15.00	246.0	7.1	8.20	2.76	0.98	0.57	0.47	2.61	0.05	25.60	31.54
36-12-1-HA	960710	12:30	30.00	250.0	7.3	8.11	2.45	0.80	0.46	0.61	3.58	0.04	31.29	37.27
36-12-1-HA	970225	15:30	15.00	242.0	7.3	7.99	4.05	1.09	0.72	4.44	1.70	0.11	5.22	45.40
36-12-1-HA	970513	11:45	10.00	230.0	6.9	8.19	3.70	0.99	0.65	6.29	3.24	0.12	5.76	53.49
36-12-1-HA	970819	18:45	15.00	264.0	7.8	8.05	3.30	1.01	0.63	2.73	1.85	0.14	7.65	46.52

Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (°C)	pH- Wert	Ca ⁺⁺ Mg ⁺⁺	(Ca ⁺⁺ +Mg ⁺⁺) HCO ₃ ⁻	(Na ⁺ +K ⁺) (Ca ⁺⁺ +Mg ⁺⁺)	Na ⁺ K ⁺	(Na ⁺ +K ⁺) Cl ⁻	Cl ⁻ NO ₃ ⁻	SO ₄ ²⁻ Cl ⁻	HCO ₃ ⁻ SO ₄ ²⁻
36-12-1-K	960422	13:45	1.50	220.0	5.6	8.11	2.87	1.01				0.09	13.61	32.28
36-12-2-AA	960830	12:30	0.10	184.5	6.3	8.22	4.20	1.09						49.77
36-12-2-AA	970708	14:15	0.50	171.0	4.3		5.05	0.35	0.28	2.68	1.32	0.07	5.26	86.25
36-12-2-AB	960830	13:30	0.02	268.0	9.7	8.39	3.68	1.04				0.07	69.59	71.32
36-12-2-AB	970708	15:15	0.03	209.0	7.0		2.98	0.84	0.52	1.51	3.57	0.25	4.80	92.07
36-12-2-AE	960423	13:00	0.50	228.0	6.5	8.18	1.90	0.71				0.10	10.81	35.45
36-12-2-AE	960830	15:30	0.70	295.2	8.8	7.65	3.49	1.00				0.03	42.66	61.01
36-12-2-AE	961026	17:00	0.50	268.6	8.4	8.18	3.29	1.06	0.65	0.67	1.38	0.28	8.18	54.07
36-12-2-AE	970415	11:50	1.00	211.0	5.7	7.90	3.43	1.95	1.05	2.12	1.27	0.21	4.11	23.54
36-12-2-AE	970708	17:00	100.00	215.0	8.1	8.17	4.17	0.76	0.53	4.10	1.84	0.14	6.51	73.31
36-12-2-BAA	961026	12:30		205.6	6.8	7.90	3.96	1.05	0.69	0.28	0.93	0.22	9.02	43.61
36-12-2-BAA	970228	12:15		224.0	7.2	8.07	3.67	1.08	0.69	3.25	0.88	0.08	4.67	48.67
36-12-2-BAA	970418	14:00		217.0	7.0	8.25	3.91	0.98	0.65	2.29	1.29	0.20	3.54	47.23
36-12-2-BAB	961026	12:00	0.50	204.7	6.7	7.94	3.82	1.06	0.69	0.37	0.84	0.23	8.04	46.23
36-12-2-BAB	961116	12:30	0.10	223.0	7.0	7.97	3.62	1.01	0.65	1.44	1.58	0.22	6.08	50.31
36-12-2-BAB	970228	11:45	0.50	226.0	7.0	8.10	3.68	1.07	0.69	5.55	1.58	0.07	4.46	50.91
36-12-2-BAB	970418	13:30	0.01	224.0	7.1	8.22	3.81	1.00	0.66	2.69	1.60	0.15	5.34	43.41
36-12-2-BAB	970710	09:00		212.0	6.8	8.15	3.81	0.98	0.65	2.70	1.99	0.13	7.65	65.10
36-12-2-BAC	961026	14:00	0.20	265.7	7.7	8.12	4.49	1.04	0.72	0.47	1.11	0.38	6.97	47.32
36-12-2-BAC	961116	13:20	0.30	265.0	7.7	8.00	5.31	1.06	0.76	0.71	1.18	0.36	5.93	50.64
36-12-2-BAC	970228	13:50	0.70	242.0	7.7	7.99	5.19	1.03	0.74	6.11	1.84	0.15	5.38	55.64
36-12-2-BAC	970418	12:30	0.40	243.0	7.7	8.23	4.75	0.99	0.70	2.55	1.89	0.28	5.56	46.70
36-12-2-BAC	970710	09:45	0.50	256.0	7.8	8.25	4.54	0.97	0.68	3.96	1.82	0.23	6.18	61.99
36-12-2-BAD	961026	13:30	0.20	303.1	8.0	8.32	4.28	1.04	0.71	0.31	0.78	0.39	5.72	59.81
36-12-2-BAD	970228	13:30	0.50	273.0	7.9	8.22	4.44	1.04	0.72	3.99	1.06	0.12	5.25	59.06
36-12-2-BAD	970418	12:45	0.20	268.0	7.6	8.40	4.17	1.00	0.68	4.13	1.14	0.24	5.69	55.36
36-12-2-BAF	961026	11:30	0.25	288.3	7.0	8.19	4.39	1.04	0.71	0.34	0.92	0.36	5.93	52.41
36-12-2-BAF	961116	13:00	0.50	301.0	7.4	8.03	4.56	1.03	0.72	2.04	5.20	0.32	6.79	56.16
36-12-2-BAF	970228	12:50	0.30	269.0	7.4	8.15	4.65	1.00	0.70	11.50	2.53	0.16	4.45	59.56
36-12-2-BAF	970418	13:10	0.25	265.0	7.5	8.33	4.17	0.99	0.67	4.70	0.82	0.37	4.70	43.14
36-12-2-BAF	970710	09:30	0.40	280.0	7.0	8.35	4.10	0.99	0.67	4.56	1.67	0.19	6.46	65.95
36-12-2-BAG	961026	16:00	0.05	319.8	6.6	8.30	3.17	1.07	0.65	0.52	0.78	0.36	5.79	44.39
36-12-2-BAG	961116	14:15	0.01	320.0	6.9	8.13	3.08	1.08	0.65	0.74	1.07	0.31	6.96	43.33
36-12-2-BAH	961116	15:30		179.0	5.9	7.93	4.13	1.13	0.75	1.24	2.64	0.09	12.09	45.00
36-12-2-BAH	970418	16:00		207.0	6.5	8.30	4.09	1.04	0.69	3.20	1.32	0.12	5.18	40.17
36-12-2-BAH	970710	11:00		182.4	6.0	8.27	4.81	1.03	0.73	2.48	1.97	0.12	6.37	67.05
36-12-2-BAI	961026	10:30	0.10	250.9	6.2	8.16	3.61	1.06	0.67	0.49	0.72	0.33	6.04	38.72
36-12-2-BAJ	961026	16:15	0.20											
36-12-2-BAJ	961116	16:15	0.30	279.0	8.1	8.25	3.02	1.04	0.62	0.75	0.54	0.48	3.50	51.44
36-12-2-BAJ	970228	14:45	0.70	255.0	8.2	8.19	3.09	0.97	0.59	1.64	1.79	0.18	5.39	63.89
36-12-2-BAJ	970418	11:00	0.15	243.0	8.0	8.40	2.83	0.94	0.56	2.17	1.09	0.34	4.22	58.95

Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. ($\mu\text{S}/\text{cm}$ b. 25°C)	Temp. (°C)	pH- Wert	Ca ⁺⁺ Mg ⁺⁺	(Ca ⁺⁺ +Mg ⁺⁺) HCO ₃ ⁻	(Na ⁺ +K ⁺) (Ca ⁺⁺ +Mg ⁺⁺)	Na ⁺ K ⁺	(Na ⁺ +K ⁺) Cl ⁻	Cl ⁻ NO ₃ ⁻	SO ₄ ²⁻ Cl ⁻	HCO ₃ ⁻ SO ₄ ²⁻
36-12-2-BAJ	970710	11:00	0.30	276.0	8.1	8.26	2.90	1.02	0.60	1.53	3.35	0.18	5.92	90.85
36-12-2-BD	960124		119.00	220.0	6.8	8.17	2.85	0.78	0.48	1.81	1.01	0.18	6.68	33.79
36-12-2-BD	960421	18:15	3830.00	187.0	6.2	7.89	2.79	1.04	0.60	1.44	2.45	0.06	15.30	25.13
36-12-2-BD	960421	21:00	4520.00	186.0	6.3	7.94	2.49	0.80				0.13	7.06	27.49
36-12-2-BD	960422	00:00	4830.00	185.0	6.1	7.98	2.85	1.09	0.63	0.70	1.25	0.05	17.42	19.57
36-12-2-BD	960422	03:00	4530.00	185.0	6.0	8.01	3.22	1.22				0.37	2.23	19.29
36-12-2-BD	960422	06:00	4260.00	183.0	5.9	8.03	2.70	1.06				0.05	17.83	19.54
36-12-2-BD	960422	09:00	3830.00	181.0	5.9	8.17	2.88	1.11				0.05	18.04	18.97
36-12-2-BD	960422	12:00	3830.00	181.0	6.0	8.07	2.20	0.74	0.42	0.83	0.92	0.07	11.71	24.14
36-12-2-BD	960422	15:00	3830.00	180.4	6.0	8.04	1.96	0.67				0.06	15.53	23.53
36-12-2-BD	960422	18:00	3430.00	179.3	6.0	8.08	2.38	0.76				0.05	16.89	19.91
36-12-2-BD	960422	21:00	4250.00	177.9	6.0	8.06	2.34	0.99	0.54	1.80	2.78	0.05	18.20	21.87
36-12-2-BD	960423	00:00	4250.00	176.8	6.0	8.24	2.34	0.98	0.53	0.81	1.18	0.05	15.50	20.63
36-12-2-BD	960423	03:00	3830.00	176.4	5.8	8.25	2.60	1.00				0.04	16.53	23.21
36-12-2-BD	960423	06:00	3440.00	175.4	5.9	8.24	2.25	0.76				0.04	20.61	20.90
36-12-2-BD	960423	09:00	3570.00	174.4	5.9	8.22	2.73	1.09				0.05	19.16	32.09
36-12-2-BD	960423	12:00	3830.00	173.7	5.9	8.19	2.56	1.09				0.04	18.21	29.57
36-12-2-BD	960423	15:00	3830.00	173.1	5.9	8.14	2.75	1.11				0.04	18.15	28.18
36-12-2-BD	960423	18:00	3690.00	172.4	5.9	8.10	2.55	1.05				0.05	16.31	22.43
36-12-2-BD	960423	21:00	3830.00	169.9	5.9	8.17	2.30	0.86				0.04	21.60	22.26
36-12-2-BD	960424	00:00	3830.00	169.9	5.8	8.18	2.59	0.99				0.06	14.22	22.55
36-12-2-BD	960424	03:00	3830.00	169.9	5.7	8.25	3.04	1.20				0.04	20.36	22.61
36-12-2-BD	960424	06:00	3560.00	168.9	5.7	8.24	2.80	1.13				0.04	17.55	22.90
36-12-2-BD	960424	09:00	3690.00	168.7	5.7	8.21	2.65	1.02				0.05	15.64	22.81
36-12-2-BD	960424	12:00	3820.00	167.7	5.7	8.17	2.26	0.82	0.46	2.59	3.93	0.07	10.74	23.22
36-12-2-BD	960424	15:00	3570.00	166.8	5.7	8.13	2.51	0.99				2.06	3.75	24.30
36-12-2-BD	960424	18:00	3430.00	165.9	5.7	8.18	2.51	1.03				0.03	21.83	24.98
36-12-2-BD	960503		2030.00	160.0	5.7	8.26	2.79	1.04						26.17
36-12-2-BD	960710	13:00	3110.00	190.0	5.9	8.18	2.55	0.96						42.05
36-12-2-BD	960826	18:45	69.00	214.0	6.2	8.04	1.69	0.62	0.32	1.39	1.73	0.20	5.91	44.19
36-12-2-BD	960827	18:00	279.00	209.0	6.4	7.76	3.42	1.05				0.09	13.26	43.08
36-12-2-BD	960827	21:00	279.00	209.0	6.4	7.83								
36-12-2-BD	960828	00:00	279.00	209.0	6.4	7.88	3.38	1.00				0.09	13.87	43.65
36-12-2-BD	960828	03:00	279.00	209.0	6.4	7.83								
36-12-2-BD	960828	06:00	279.00	210.0	6.4	7.87	2.90	0.85				0.09	13.65	42.53
36-12-2-BD	960828	09:00	279.00	210.0	6.4	7.81	2.76	0.87				0.09	14.10	42.81
36-12-2-BD	960828	12:00	310.00	210.0	6.4	7.78	2.79	0.90				0.09	14.19	43.03
36-12-2-BD	960828	15:00	310.00	211.0	6.4	7.97	2.38	0.78				0.09	14.50	42.10
36-12-2-BD	960828	18:00	1680.00	207.0	6.4	7.87	2.92	0.93				0.09	14.10	42.84
36-12-2-BD	960828	21:00	2310.00	199.7	6.2	7.95	2.97	0.92	0.56	1.39	3.53	0.08	14.22	46.07
36-12-2-BD	960829	00:00	2100.00	203.0	6.2	8.01	2.96	0.84				0.07	14.54	49.45

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Ionen-Äquivalentverhältnisse

Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (°C)	pH- Wert	Ca ⁺⁺ Mg ⁺⁺	(Ca ⁺⁺ +Mg ⁺⁺) HCO ₃ ⁻	(Na ⁺ +K ⁺) (Ca ⁺⁺ +Mg ⁺⁺)	Na ⁺ K ⁺	(Na ⁺ +K ⁺) Cl ⁻	Cl ⁻ NO ₃ ⁻	SO ₄ ⁻ Cl ⁻	HCO ₃ ⁻ SO ₄ ⁻
36-12-2-BD	960829	03:00	2090.00	205.0	6.2	7.89	2.96	0.90				0.07	15.94	46.47
36-12-2-BD	960829	06:00	2090.00	205.0	6.2	7.90	2.76	0.84				0.08	14.24	47.36
36-12-2-BD	960829	09:00	1810.00	205.0	6.2	8.00	3.03	0.86				0.08	14.17	49.59
36-12-2-BD	960829	12:00	1550.00	205.0	6.2	7.94	3.53	1.01				0.08	14.74	47.21
36-12-2-BD	960829	15:00	1255.00	203.0	6.2	7.96	3.42	1.00				0.08	15.03	47.85
36-12-2-BD	960829	18:00	913.00	205.0	6.2	8.06	3.04	0.98	0.59	1.32	2.97	0.08	13.87	46.31
36-12-2-BD	960829	21:00	913.00	205.0	6.2	8.03								
36-12-2-BD	960830	00:00	805.00	205.0	6.1	8.09	3.24	1.00				0.08	14.15	45.57
36-12-2-BD	960830	03:00	750.00	206.0	6.2	8.04								
36-12-2-BD	960830	06:00	702.00	209.0	6.2	8.08	3.45	1.04				0.09	13.04	45.04
36-12-2-BD	960830	09:00	556.00	210.0	6.2	8.06								
36-12-2-BD	960830	12:00	433.00	211.0	6.2	7.93	3.48	1.03				0.08	14.83	45.31
36-12-2-BD	960830	15:00	433.00	211.0	6.3	8.02								
36-12-2-BD	961026	17:30	765.00	179.1	6.1	8.03	4.40	0.85				0.13	10.73	50.58
36-12-2-BD	961116	16:45		189.0	6.0	7.97	4.07	1.11	0.73	0.90	2.68	0.10	11.12	46.12
36-12-2-BD	970225	16:30	676.00	211.0	6.7	7.95	3.54	1.16	0.72	3.15	1.18	0.09	5.32	50.03
36-12-2-BD	970414	15:00	581.00	207.0	6.5	7.97	3.99	0.99	0.66	2.40	1.17	0.12	5.87	39.29
36-12-2-BD	970414	18:00	581.00	207.0	6.5	7.95	3.96	1.03	0.68	2.19	1.07	0.14	5.05	39.12
36-12-2-BD	970414	21:00	627.00	208.0	6.5	7.98	3.79	1.02	0.67	2.32	1.23	0.13	5.85	37.69
36-12-2-BD	970415	00:00	627.00	209.0	6.5	7.96	3.89	1.01	0.67	1.70	1.73	0.12	5.90	40.58
36-12-2-BD	970415	03:00	627.00	209.0	6.4	7.94	3.83	1.01	0.66	1.57	1.90	0.14	5.23	37.90
36-12-2-BD	970415	06:00	727.00	210.0	6.5	7.96	3.76	1.03	0.67	2.04	1.51	0.13	6.24	37.31
36-12-2-BD	970415	09:00	1080.00	214.0	6.5	7.92	3.62	1.02	0.65	3.14	1.19	0.13	6.05	39.89
36-12-2-BD	970415	12:00	1110.00	214.0	6.4	7.93	3.63	1.00	0.65	2.29	1.17	0.14	5.42	43.99
36-12-2-BD	970415	15:00	1020.00	212.0	6.5	7.94	3.97	1.12	0.73	1.61	2.15	0.13	5.47	45.67
36-12-2-BD	970415	18:00	953.00	212.0	6.5	7.93	3.77	1.01	0.66	1.96	1.71	0.14	5.07	47.28
36-12-2-BD	970415	21:00	893.00	212.0	6.4	7.87	3.70	1.00	0.65	2.47	1.10	0.15	5.05	44.20
36-12-2-BD	970416	00:00	780.00	212.0	6.4	7.91	3.67	1.02	0.66	2.35	1.24	0.14	5.27	42.66
36-12-2-BD	970416	06:00	676.00	190.7	6.5	7.90	1.18	0.41	0.19	1.89	1.16	0.15	4.63	44.10
36-12-2-BD	970416	12:00	627.00	190.1	6.6	7.86	4.02	1.00	0.67	2.28	1.39	0.13	5.87	40.57
36-12-2-BD	970416	18:00	560.00	189.8	6.7	7.92	3.83	0.99	0.66	1.48	1.96	0.15	4.89	43.00
36-12-2-BD	970417	00:00	510.00	189.6	6.7	7.94	3.82	1.00	0.66	1.49	2.57	0.13	5.86	40.18
36-12-2-BD	970417	06:00	480.00	189.7	6.7	7.93	3.67	0.85	0.57	1.89	1.34	0.14	5.30	42.80
36-12-2-BD	970417	12:00	450.00	190.1	6.6	7.95	3.88	1.03	0.68	1.94	1.76	0.14	5.30	40.96
36-12-2-BD	970417	18:00	420.00	190.1	6.6	7.96	3.82	1.00	0.66	2.32	1.16	0.13	5.52	42.00
36-12-2-BD	970418	08:00	378.00	190.1	6.7	7.97	3.75	1.02	0.66	2.71	1.04	0.13	5.60	38.55
36-12-2-BD	970418	17:00	493.00	191.0	6.7	8.03	3.76	1.20	0.76	1.67	1.68	0.13	6.28	37.90
36-12-2-BD	970513	12:10	5390.00	155.7	5.8	8.23	4.55	1.00	0.70	4.11	1.20	0.10	3.14	67.13
36-12-2-BD	970705	15:00	493.00	185.4	6.0	8.26	3.99	0.95	0.64	3.47	1.18	0.08	6.57	62.21
36-12-2-BD	970705	18:00	493.00	185.6	6.0	8.31	4.20	1.00	0.68	3.14	1.41	0.08	7.09	54.91
36-12-2-BD	970705	21:00	835.00	183.5	5.9	8.30	3.90	1.00	0.66	2.60	1.73	0.08	6.74	54.97

Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. ($\mu\text{S}/\text{cm}$ b. 25°C)	Temp. (°C)	pH- Wert	Ca ⁺⁺ Mg ⁺⁺	(Ca ⁺⁺ +Mg ⁺⁺) HCO ₃ ⁻	(Na ⁺ +K ⁺) (Ca ⁺⁺ +Mg ⁺⁺)	Na ⁺ K ⁺	(Na ⁺ +K ⁺) Cl ⁻	Cl ⁻ NO ₃ ⁻	SO ₄ ⁼⁼ Cl ⁻	HCO ₃ ⁻ SO ₄ ⁼⁼
36-12-2-BD	970706	00:00	1360.00	182.1	5.9	8.30	3.98	0.95	0.64	2.67	13.12	0.07	8.58	54.56
36-12-2-BD	970706	03:00	11800.00	197.0	6.1	8.27	3.72	0.98	0.64	3.20	3.64	0.09	7.11	56.87
36-12-2-BD	970706	06:00	21300.00	213.0	6.9	8.19	3.36	1.01	0.63	3.47	1.67	0.11	6.32	70.49
36-12-2-BD	970706	09:00	20700.00	200.0	6.7	8.22	3.55	0.95	0.61	2.80	1.83	0.10	6.60	75.29
36-12-2-BD	970706	12:00	18600.00	189.4	6.4	8.25	4.04	0.91	0.62	3.15	1.33	0.11	4.63	95.97
36-12-2-BD	970706	15:00	12800.00	178.7	6.2	8.28	4.52	0.98	0.68	3.71	1.15	0.12	5.14	70.46
36-12-2-BD	970706	18:00	10000.00	175.5	6.1	8.20	4.45	1.05	0.72	2.96	1.50	0.10	6.20	66.77
36-12-2-BD	970706	21:00	8010.00	175.9	6.0	8.19	4.52	0.96	0.67	3.13	1.38	0.11	5.64	76.88
36-12-2-BD	970707	00:00	5900.00	175.5	6.1	8.14	4.52	0.99	0.69	2.82	2.34	0.10	5.51	71.36
36-12-2-BD	970707	03:00	4600.00	175.0	5.9	8.17	4.45	1.16	0.78	3.49	4.99	0.10	5.86	72.51
36-12-2-BD	970707	06:00	4020.00	174.1	5.9	8.11	4.42	0.97	0.67	2.86	1.44	0.09	6.47	69.04
36-12-2-BD	970707	09:00	3230.00	175.1	5.9	8.14	4.40	1.00	0.69	3.58	1.35	0.10	6.58	65.91
36-12-2-BD	970707	12:00	5560.00	178.2	6.0	8.14	4.43	0.99	0.68	2.75	1.52	0.12	5.13	69.81
36-12-2-BD	970707	15:00	9320.00	192.5	6.6	8.11	3.99	0.97	0.65	3.81	1.51	0.12	5.76	73.95
36-12-2-BD	970707	18:00	13400.00	184.3	6.5	8.13	4.07	0.97	0.66	2.02	0.26	0.40	1.76	69.28
36-12-2-BD	970707	21:00	14900.00	179.0	6.4	8.10	4.20	1.01	0.68	3.21	1.96	0.08	7.18	78.81
36-12-2-BD	970708	00:00	12600.00	174.5	6.3	8.15	4.55	0.96	0.67	2.54	2.55	0.09	6.70	76.52
36-12-2-BD	970708	03:00	10500.00	173.2	6.3	8.16	4.59	0.90	0.64	2.34	1.74	0.10	6.02	81.97
36-12-2-BD	970708	06:00	8650.00	174.1	6.3	8.12	4.59	0.96	0.67	3.34	1.30	0.14	5.38	77.38
36-12-2-BD	970708	09:00	7200.00	172.5	6.1	8.09	4.56	1.02	0.71	3.34	1.68	0.11	6.85	75.04
36-12-2-BD	970708	12:00	5560.00	174.9	6.3	8.13	4.58	0.99	0.69	3.43	1.69	0.12	7.03	69.75
36-12-2-BD	970708	15:00	4750.00	173.2	6.3	8.06	4.61	1.00	0.70	2.03	2.87	0.10	8.24	61.99
36-12-2-BD	970708	18:00	4160.00	175.1	6.2	8.20	4.50	1.11	0.76	4.23	1.38	0.13	6.56	54.66
36-12-2-BD	970708	21:00	3230.00	175.4	6.3	8.16	4.46	0.97	0.67	2.76	1.83	0.10	8.38	62.57
36-12-2-BD	970709	00:00	2870.00	175.0	6.3	8.17	4.30	0.73	0.52	2.60	1.42	0.14	6.54	60.08
36-12-2-BD	970709	03:00	2540.00	175.1	6.1	8.20	4.55	0.71	0.52	3.04	1.32	0.13	5.93	68.89
36-12-2-BD	970709	06:00	2330.00	176.2	5.9	8.24	4.43	0.97	0.67	2.86	1.84	0.08	6.73	65.87
36-12-2-BD	970709	12:00	1850.00	177.8	6.1	8.19	4.24	0.99	0.67	2.88	1.31	0.12	6.56	68.35
36-12-2-BD	970709	18:00	1360.00	180.5	6.1	8.21	4.23	0.98	0.67	3.09	1.07	0.16	4.08	71.91
36-12-2-BD	970710	00:00	1150.00	181.6	6.3	8.21	4.07	1.01	0.67	2.41	1.24	0.11	4.69	72.18
36-12-2-BD	970710	06:00	953.00	183.0	6.1	8.20	4.15	1.02	0.68	3.30	1.52	0.11	5.58	70.35
36-12-2-BD	970710	12:00	835.00	182.8	6.2	8.24	4.22	1.03	0.70	2.08	1.93	0.14	5.86	57.50
36-12-2-BD	970710	18:00	780.00	184.6	6.0	8.20	4.01	0.60	0.43	3.21	1.68	0.09	8.10	60.00
36-12-2-BD	970711	00:00	893.00	182.0	6.1	8.19	4.13	0.67	0.47	2.98	1.53	0.10	6.67	79.74
36-12-2-BD	970711	06:00	780.00	182.1	6.0	8.17	3.12	1.03	0.63	2.53	2.52	0.13	5.64	123.09
36-12-2-BD	970711	12:00	727.00	182.7	6.4	8.17	4.16	0.50	0.37	1.89	1.83	0.21	3.01	148.02
36-12-2-BD	970711	18:00	676.00	182.6	6.4	8.12	4.11	0.76	0.53	2.89	1.20	0.12	5.68	66.65
36-12-2-BD	970819	19:00	493.00	195.0	6.1	8.19	4.04	1.26	0.81	1.77	5.90	0.09	10.29	65.70
36-12-2-BF	960422	11:40	181.00											
36-12-2-BF	970414	18:00	165.00	210.0	6.6	8.00								
36-12-2-BF	970415	09:00	165.00	216.0	6.7	7.99								

Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. ($\mu\text{S}/\text{cm}$ b. 25°C)	Temp. (°C)	pH- Wert	Ca ⁺⁺ Mg ⁺⁺	(Ca ⁺⁺ +Mg ⁺⁺) HCO ₃ ⁻	(Na ⁺ +K ⁺) (Ca ⁺⁺ +Mg ⁺⁺)	Na ⁺ K ⁺	(Na ⁺ +K ⁺) Cl ⁻	Cl ⁻ NO ₃ ⁻	SO ₄ ⁻ Cl ⁻	HCO ₃ ⁻ SO ₄ ⁻
36-12-2-BF	970415	15:13	165.00											
36-12-2-BF	970415	18:00	165.00	216.0	6.7	7.90								
36-12-2-BF	970416	12:00	165.00	194.0	6.7	7.84								
36-12-2-BF	970416	18:00	165.00	194.0	6.7	7.89								
36-12-2-BF	970708	14:40	165.00											
36-12-2-BF	980108		155.00	214.0	6.7	8.13								
36-17-A	960710	11:30	15.00	367.0	9.3	7.71	0.82	0.87	0.27	0.47	0.87	0.34	20.53	12.41
36-17-A	961024	18:00	15.00	366.0	9.3	7.57	1.28	1.08	0.41	0.40	0.73	0.38	18.18	12.45
36-17-A	970225	11:30	10.00	368.0	9.3	7.55	1.25	1.10	0.41	3.64	1.68	0.23	19.73	13.27
36-17-A	970513	11:15	10.00	364.2	9.4	7.77	1.27	1.12	0.42	4.72	1.85	0.18	25.16	12.90
36-17-A	970819	11:00	15.00	365.0	9.3	7.74								
37-03-JB	960123		20.00	308.0	4.7	8.20	1.02	0.72	0.27	5.10	0.66	0.24	6.19	39.66
37-03-JB	960504		83.00	259.0	4.9	8.17	1.04	0.95	0.33	1.14				37.21
37-03-JB	960711		45.00	293.0	8.2	8.17	1.06	0.91	0.32	0.98				49.46
37-03-JB	961022	12:40	50.00	250.9	8.4	8.40	1.46	1.07	0.44	1.85	2.14	0.20	8.59	44.86
37-03-JB	970226	13:00	179.00	271.0	4.2	8.16	1.28	1.09	0.41	5.49	1.55	0.13	4.07	45.63
37-03-JB	970515	10:15	88.00	260.0	5.5	8.35	1.31	1.04	0.41	3.39	1.82	0.14	5.72	57.83
37-03-JB	970820	10:30	60.00	312.0	9.2	8.12	1.31	0.85	0.35	1.75	2.00	0.13	9.35	85.23
37-04-E	960123													
37-04-E	960504		250.00	181.0	5.0	8.03	2.21	1.05	0.55	1.44				24.35
37-04-E	960711	15:00	70.00	214.0	5.8	8.10	1.97	0.94	0.48	0.75	27.12	0.01	140.83	28.09
37-04-E	961022	11:20	400.00	168.3	5.9	7.95	2.63	1.04	0.59	2.91	8.22	0.11	14.19	34.62
37-04-E	970226	11:30	17.00	225.0	5.8	7.95	2.67	1.07	0.61	6.32	3.22	0.08	7.59	26.43
37-04-E	970515	11:15	460.00	159.0	4.9	8.27	2.59	1.01	0.57	1.70	3.93	0.08	6.44	49.52
37-04-E	970820	10:00												
37-04-KB	960123		66.00	252.0	6.6	8.04	2.14	0.54	0.32	6.16	1.06	0.22	9.05	21.74
37-04-KB	960504		200.00	239.0	6.4	7.91	1.71	0.94	0.45	0.63	10.81	0.02	49.46	21.97
37-04-KB	960712	14:30	15.00	246.0	6.4	8.07	1.56	0.87	0.40	0.66	7.77	0.05	32.17	25.75
37-04-KB	961022	12:10	400.00	255.8	7.0	7.89	2.64	1.04	0.59	0.83	3.94	0.11	15.88	26.52
37-04-KB	970226	12:30	111.00	263.0	6.9	7.77	2.41	1.06	0.57	6.23	5.75	0.11	15.65	20.25
37-04-KB	970515	10:45	324.00	231.0	6.6	8.10	2.23	1.05	0.55	3.89	2.62	0.19	4.58	28.20
37-04-KB	970820	10:15	60.00	246.0	6.8	8.06	2.21	1.08	0.56	2.97	6.34	0.11	15.85	26.67
37-09-AB	960123		5.00	276.0	6.5	7.49	0.89	0.71	0.24	1.70	0.69	0.28	5.13	45.94
37-09-AB	960504		35.00	235.0	6.5	7.97	3.14	1.04	0.63	1.61	17.85	0.01	88.91	23.93
37-09-AB	960711	13:30	50.00	266.0	6.8	7.97	3.55	0.87	0.57	1.18	18.14	0.01	94.81	32.81
37-09-AB	961022	14:00	80.00	227.3	8.9	7.76	6.45	1.07	0.81	1.01	3.90	0.08	23.12	27.63
37-09-AB	970226	13:30	50.00	260.0	5.6	7.94	3.45	1.13	0.70	3.54	2.09	0.07	7.08	28.99
37-09-AB	970515	09:30	15.00	236.0	6.7	8.08	3.76	1.01	0.66	3.41	1.39	0.10	7.31	30.95
37-09-AB	970820	11:30	25.00	286.0	6.7	7.93	3.52	1.07	0.67	2.55	3.13	0.11	10.86	30.13
37-09-HB	960123													
37-09-HB	960504		3.00	229.0	6.6	8.09	1.94	0.95	0.48	1.41	1.69	0.06	13.16	21.76

Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. (µS/cm b. 25°C)	Temp. (° C)	pH- Wert	Ca ⁺⁺ Mg ⁺⁺	(Ca ⁺⁺ +Mg ⁺⁺) HCO ₃ ⁻	(Na ⁺ +K ⁺) (Ca ⁺⁺ +Mg ⁺⁺)	Na ⁺ K ⁺	(Na ⁺ +K ⁺) Cl ⁻	Cl ⁻ NO ₃ ⁻	SO ₄ ⁻ Cl ⁻	HCO ₃ ⁻ SO ₄ ⁻
37-09-HB	960711	12:40	25.00	254.0	6.6	8.00	1.97	0.90	0.46	1.15	4.01	0.03	29.99	25.78
37-09-HB	961022	14:30	100.00	228.3	6.5	7.89	3.10	1.09	0.65	1.10	2.35	0.08	16.13	27.39
37-09-HB	970226	13:45	10.00	265.0	6.4	7.92	1.92	1.24	0.57	3.24	1.52	0.06	9.08	22.47
37-09-HB	970515	08:45	0.50	228.0	6.5	8.17	2.77	1.06	0.61	1.78	1.24	0.08	7.08	27.19
37-10-ACC	960829	17:00	1.00	206.8	12.0	7.98				1.90	9.19	0.45	17.91	53.95
37-10-ACC	961025	14:00	0.10	242.0	5.3	7.75								
37-10-ACC	970708	10:45	5.00	119.0	7.9	7.90	10.54	1.30	1.07	2.01	3.73	0.50	12.93	27.65
37-10-B	960828	15:00	0.20	250.5	4.0	8.19				1.13	1.86	0.16	10.84	40.55
37-10-B	960828	18:00	0.00	255.4	4.0	8.09	574.87	1.09	1.08	1.08	4.07	0.07	27.81	40.24
37-10-B	960829	00:00	0.00	238.9	3.9	8.34				1.29	2.35	0.14	14.13	37.20
37-10-B	960829	06:00		239.9	4.0	8.39						0.12	20.45	38.27
37-10-B	960829	18:00		244.7	3.9	8.29						0.16	14.65	39.44
37-10-B	961025	15:00		184.0	2.8	7.88				3.47	4.41	0.82	6.41	26.99
37-10-B	970708	09:50	0.10	183.0	2.4	8.35	16.08	0.64	0.58	2.40	2.19	0.77	6.03	43.08
37-10-CB	960422	13:00	0.20	179.0	2.4	8.17	1.55	1.01				0.11	11.98	25.93
37-10-D	960422	13:45	5.00	200.0	3.1	8.16	2.65	0.96	0.55	1.56	0.76	0.08	6.21	25.19
37-10-D	960829	19:00	1.50	300.1	8.2	7.67	3.43	1.06	0.66	1.38	2.46	0.05	11.46	52.22
37-10-D	970416	11:30	0.30	243.0	2.0	8.06	3.52	2.44	1.24	1.89	1.50	0.09	4.84	16.91
37-10-H	960422	14:30	10.00	207.0	4.0	8.29	2.87	1.18	0.67	1.16	1.10	0.05	10.22	18.88
37-10-H	960829	10:30	3.00	261.2	5.7	8.05	2.56	1.05	0.59	1.28	4.37	0.03	23.67	43.17
37-10-H	970416	12:30	1.00	224.0	3.7	8.20	2.62	2.27	1.01	1.94	1.35	0.08	5.98	15.25
37-10-II	970708	08:40	20.00	209.0	5.0	8.23	56.44	0.93	0.90	2.68	1.23	0.07	6.38	33.12
37-10-J	960422	16:00	5.00	243.0	5.6	8.28	1.50	1.07	0.45	1.28	1.53	0.05	11.83	24.40
37-10-J	960829	11:30	5.00	286.5	7.1	7.97	2.24	1.05	0.55	1.74	2.94	0.07	12.37	34.68
37-10-J	970416	13:00	3.00	259.0	5.1	8.19	2.26	1.08	0.56	1.96	1.70	0.09	7.92	28.10
37-10-J	970708	11:00	15.00	264.0	7.1	8.11	4.29	0.82	0.58	4.97	7.36	0.06	8.80	41.17
37-12-AB	960123		87.00	313.0	6.4	8.09	1.17	0.68	0.28	2.35	0.82	0.18	8.00	31.13
37-12-AB	960421	15:00		235.0	6.3	7.99								
37-12-AB	960421	18:00		232.0	6.2	8.01	2.33	1.05	0.56	1.09	1.57	0.05	15.25	19.64
37-12-AB	960421	21:00		130.0	6.2	8.03	2.39	1.03	0.56	1.69	2.11	0.05	14.14	20.39
37-12-AB	960422	00:00		230.0	6.2	8.03	2.32	1.01	0.54	1.12	1.42	0.05	15.07	20.93
37-12-AB	960422	03:00		227.0	6.2	8.05	2.63	0.94	0.54	1.15	1.61	0.04	16.84	27.11
37-12-AB	960422	06:00		224.0	6.2	8.01	2.39	1.10	0.59	1.16	1.84	0.06	13.37	21.44
37-12-AB	960422	09:00		224.0	6.2	8.00	2.31	1.09	0.57	1.26	1.77	0.05	13.31	20.07
37-12-AB	960422	12:00		225.0	6.2	8.03	2.32	1.11	0.59	0.59	2.84	0.05	13.34	19.91
37-12-AB	960422	15:00		225.0	6.2	8.01	2.26	1.12	0.58	1.15	1.91	0.05	14.96	19.84
37-12-AB	960422	18:00		221.0	6.2	8.01	2.52	1.07	0.59	1.13	1.92	0.04	18.10	27.55
37-12-AB	960422	21:00		220.0	6.2	8.03	2.56	0.97	0.55	1.51	1.35	0.07	9.49	20.13
37-12-AB	960423	00:00		220.0	6.2	8.02	2.30	0.83	0.46	1.37	1.61	0.04	18.53	25.01
37-12-AB	960423	03:00		217.0	6.2	8.01	2.43	0.83	0.48	1.38	0.84	0.08	9.11	22.40
37-12-AB	960423	06:00		217.0	6.2	7.99	2.32	0.82	0.46	1.29	2.44	0.04	20.90	25.75

Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. ($\mu\text{S}/\text{cm}$ b. 25°C)	Temp. (°C)	pH- Wert	Ca ⁺⁺ Mg ⁺⁺	(Ca ⁺⁺ +Mg ⁺⁺) HCO ₃ ⁻	(Na ⁺ +K ⁺) (Ca ⁺⁺ +Mg ⁺⁺)	Na ⁺ K ⁺	(Na ⁺ +K ⁺) Cl ⁻	Cl ⁻ NO ₃ ⁻	SO ₄ ⁻ Cl ⁻	HCO ₃ ⁻ SO ₄ ⁻
37-12-AB	960423	09:00		216.0	6.2	8.03	2.28	0.93	0.51	1.35	2.45	0.05	17.18	27.69
37-12-AB	960423	12:00		215.0	6.2	8.00	2.01	0.73	0.39	1.34	1.54	0.05	13.50	24.71
37-12-AB	960423	15:00		214.0	6.2	7.98	2.49	0.83	0.48	1.32	1.64	0.04	16.71	21.86
37-12-AB	960423	18:00		212.0	6.1	8.01	2.63	1.02	0.59	0.22	4.56	0.05	14.28	20.62
37-12-AB	960423	21:00		212.0	6.1	8.05	2.22	1.00	0.53	0.85	0.89	0.05	15.49	21.39
37-12-AB	960424	00:00		212.0	6.2	8.02	2.39	0.86	0.49	0.50	0.41	0.05	14.91	21.79
37-12-AB	960424	03:00		208.0	6.1	7.99	2.07	0.97	0.50	1.20	1.45	0.04	17.72	24.35
37-12-AB	960424	06:00		206.0	6.1	8.00	3.07	0.74			0.04		18.57	24.29
37-12-AB	960424	09:00		205.0	6.2	7.97	2.38	0.98	0.54	0.55	2.64	0.05	14.53	23.33
37-12-AB	960424	12:00		205.0	6.2	8.00	2.63	1.06	0.59	1.27	1.52	0.05	14.93	27.02
37-12-AB	960424	15:00		203.0	6.2	7.94	2.95	0.79			0.05		15.26	21.76
37-12-AB	960424	18:00		202.0	6.1	7.99	2.83	1.01	0.59	1.91	2.66	0.05	15.16	22.01
37-12-AB	960504		1109.00	226.0	6.2	8.07	1.92	1.01	0.50	1.67	20.10	0.01	84.50	30.04
37-12-AB	960711	12:00		266.0	6.6	7.90	1.62	0.93	0.43	1.12	6.59	0.03	40.97	33.99
37-12-AB	960826	20:15		310.0	7.1	7.83	0.86	0.75	0.25	1.03	1.85	0.10	13.21	33.23
37-12-AB	960827	18:00		305.0	7.1	7.68	2.22	1.24	0.62	1.02	1.94	0.09	15.06	33.78
37-12-AB	960827	21:00		306.0	7.1	7.64								
37-12-AB	960828	00:00		307.0	7.1	7.72	1.71	1.07	0.48	1.22	1.52	0.07	16.48	35.27
37-12-AB	960828	03:00		307.0	7.1	7.70								
37-12-AB	960828	06:00		306.0	7.1	7.72	1.62	1.06	0.47	1.08	2.39	0.07	17.88	33.33
37-12-AB	960828	09:00		305.0	7.1	7.73								
37-12-AB	960828	12:00		307.0	7.1	7.72	1.63	1.03	0.46	1.10	2.37	0.07	17.06	35.98
37-12-AB	960828	15:00		307.0	7.1	7.75	1.95	1.00	0.50	1.07	2.38	0.08	16.83	35.70
37-12-AB	960828	18:00		273.0	6.8	7.73	2.74	1.05	0.60	1.14	1.56	0.08	16.10	31.31
37-12-AB	960828	21:00		276.0	6.7	7.77	2.62	1.10	0.61	1.13	1.79	0.10	12.03	33.39
37-12-AB	960829	00:00		280.0	6.7	7.76	2.65	1.06	0.60	1.06	2.51	0.06	21.61	37.05
37-12-AB	960829	03:00		284.0	6.8	7.72	2.99	0.98	0.59	1.10	2.11	0.08	14.32	35.01
37-12-AB	960829	06:00		285.0	6.8	7.77	2.60	1.08	0.60	1.03	2.46	0.08	15.04	34.95
37-12-AB	960829	09:00		284.0	6.9	7.77	2.28	1.09	0.57	1.05	2.82	0.08	14.94	40.65
37-12-AB	960829	12:00		283.0	6.9	7.78	2.41	1.07	0.58	1.11	2.81	0.07	16.96	37.67
37-12-AB	960829	15:00		280.0	7.0	7.79	3.59	0.96	0.62	1.24	2.99	0.07	18.30	37.84
37-12-AB	960829	18:00		279.0	7.1	7.73	2.18	1.07	0.55	1.16	3.01	0.06	18.34	39.47
37-12-AB	960829	21:00		280.0	7.1	7.79								
37-12-AB	960830	00:00		281.0	7.3	7.81	2.25	1.04	0.55	1.20	3.99	0.05	23.05	40.37
37-12-AB	960830	03:00		283.0	7.4	7.81								
37-12-AB	960830	06:00		284.0	7.3	7.79	2.10	1.05	0.53	1.18	3.43	0.06	19.82	40.25
37-12-AB	960830	09:00		285.0	7.4	7.81								
37-12-AB	960830	12:00		286.0	7.4	7.80	1.89	1.06	0.51	1.17	4.09	0.06	22.15	42.40
37-12-AB	960830	15:00		288.0	7.3	7.77								
37-12-AB	961022	10:30	300.00	228.3	6.8	7.71	2.20	1.07	0.56	1.16	2.08	0.15	10.30	36.77
37-12-AB	961025	17:45	150.00	303.0	6.9	7.78	1.60	1.05	0.46	0.97	1.43	0.15	10.29	31.26

Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. ($\mu\text{S}/\text{cm}$ b. 25°C)	Temp. (°C)	pH- Wert	Ca ⁺⁺ Mg ⁺⁺	(Ca ⁺⁺ +Mg ⁺⁺) HCO ₃ ⁻	(Na ⁺ +K ⁺) (Ca ⁺⁺ +Mg ⁺⁺)	Na ⁺ K ⁺	(Na ⁺ +K ⁺) Cl ⁻	Cl ⁻ NO ₃ ⁻	SO ₄ ⁼⁼ Cl ⁻	HCO ₃ ⁻ SO ₄ ⁼⁼
37-12-AB	970226	14:15	108.00	267.0	6.4	7.88	1.93	1.12	0.54	2.34	1.70	0.05	8.89	29.32
37-12-AB	970414	15:00	136.00	243.0	6.3	7.88	1.62	1.09	0.48	1.43	3.20	0.11	7.14	33.74
37-12-AB	970414	18:00	136.00	246.0	6.3	7.88	1.60	1.04	0.46	1.92	1.79	0.09	8.83	34.19
37-12-AB	970414	21:00	137.00	247.0	6.3	7.92	1.59	1.03	0.45	1.60	2.26	0.10	7.75	33.75
37-12-AB	970415	00:00	137.00	247.0	6.3	7.90	1.60	1.06	0.46	2.61	1.86	0.11	7.33	33.00
37-12-AB	970415	03:00	137.00	248.0	6.3	7.88	1.60	1.06	0.47	1.82	1.09	0.15	5.23	33.44
37-12-AB	970415	06:00	137.00	249.0	6.3	7.88	1.57	1.05	0.46	1.43	3.95	0.12	6.63	32.86
37-12-AB	970415	09:00	139.00	252.0	6.3	7.91	1.60	1.05	0.46	1.99	1.45	0.11	7.25	32.83
37-12-AB	970415	12:00	139.00	256.0	6.4	7.82	1.57	1.04	0.45	1.68	1.81	0.14	6.09	34.50
37-12-AB	970415	15:00	139.00	251.0	6.4	7.87	1.61	1.02	0.45	2.18	1.55	0.18	4.62	34.92
37-12-AB	970415	18:00	139.00	253.0	6.4	7.87	1.61	1.06	0.47	1.74	2.57	0.12	7.01	32.23
37-12-AB	970415	21:00	138.00	254.0	6.4	7.87	1.73	1.12	0.51	1.85	1.58	0.10	7.94	33.82
37-12-AB	970416	00:00	138.00	251.0	6.4	7.88	1.65	1.00	0.46	1.79	1.61	0.10	7.87	34.51
37-12-AB	970416	06:00	137.00	248.0	6.4	7.80	1.69	1.06	0.48	1.75	1.75	0.10	7.99	34.27
37-12-AB	970416	12:00	137.00	246.0	6.4	7.87	1.60	1.06	0.46	1.50	1.50	0.11	7.01	33.59
37-12-AB	970416	18:00	136.00	245.0	6.4	7.88	1.72	1.10	0.50	1.93	1.58	0.10	7.45	33.20
37-12-AB	970417	00:00	136.00	249.0	6.4	7.88	1.59	1.04	0.46	1.69	2.12	0.10	7.57	33.16
37-12-AB	970417	06:00	136.00	252.0	6.4	7.88	1.56	1.02	0.44	1.60	1.76	0.11	7.45	34.29
37-12-AB	970417	12:00	135.00	254.0	6.4	7.86	1.54	1.04	0.45	1.86	1.44	0.12	6.62	34.04
37-12-AB	970417	19:30	136.50	257.0	6.4	7.87	1.52	1.03	0.44	1.74	1.49	0.11	7.32	35.48
37-12-AB	970418	08:15	134.00	260.0	6.4	7.86	1.47	2.66	0.76	1.80	1.46	0.10	8.28	11.89
37-12-AB	970418	19:30	135.00	260.0	6.4	7.86	1.50	1.00	0.43	1.87	1.91	0.11	7.91	34.56
37-12-AB	970514	19:30	920.00	186.0	5.9	8.09	3.80	0.98	0.65	2.90	2.03	0.07	6.43	40.97
37-12-AB	970705	15:00	122.00	306.0	6.9	7.79	1.55	0.96	0.43	1.82	1.65	0.14	6.19	34.92
37-12-AB	970705	18:00	122.00	307.0	6.9	7.72	1.55	0.97	0.43	2.02	2.54	0.06	14.24	35.62
37-12-AB	970705	21:00	122.00	306.0	6.9	7.91	1.57	1.00	0.44	2.14	1.51	0.15	6.06	44.97
37-12-AB	970706	00:00		306.0	6.9	7.89	1.57	1.02	0.45	1.71	1.65	0.13	6.81	34.29
37-12-AB	970706	03:00												
37-12-AB	970706	06:00												
37-12-AB	970706	09:00												
37-12-AB	970706	12:00		213.0	6.6	7.64	2.64	1.03	0.59	2.03	1.87	0.10	6.38	45.87
37-12-AB	970706	15:00		222.0	6.8	7.79	2.42	1.03	0.56	1.91	2.38	0.08	8.19	47.47
37-12-AB	970706	18:00		232.0	6.8	7.85	2.26	1.02	0.54	2.22	1.77	0.10	6.82	47.75
37-12-AB	970706	21:00		232.0	6.7	7.57	2.24	1.00	0.53	2.89	2.60	0.09	8.38	46.15
37-12-AB	970707	00:00		236.0	6.7	7.83	2.30	1.10	0.58	2.01	2.25	0.08	8.40	46.22
37-12-AB	970707	03:00	200.00	238.0	6.7	7.87	2.14	0.93	0.49	1.99	0.50	0.34	2.20	44.62
37-12-AB	970707	06:00	140.00	240.0	6.7	7.88	2.10	1.02	0.52	2.09	0.68	0.37	2.06	53.30
37-12-AB	970707	09:00	138.00	241.0	6.7	7.87	2.08	1.01	0.52	2.14	7.84	0.03	29.17	43.68
37-12-AB	970707	12:00		244.0	6.7	7.86	1.17	0.35	0.17	2.07	2.37	0.08	8.45	44.38
37-12-AB	970707	15:00		217.0	6.4	7.91	3.31	0.98	0.61	2.03	2.03	0.08	9.03	37.30
37-12-AB	970707	18:00		217.0	6.4	7.92	3.20	0.93	0.58	2.16	2.47	0.09	9.02	44.77

Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. ($\mu\text{S}/\text{cm}$ b. 25°C)	Temp. (°C)	pH- Wert	Ca ⁺⁺ Mg ⁺⁺	(Ca ⁺⁺ +Mg ⁺⁺) HCO ₃ ⁻	(Na ⁺ +K ⁺) (Ca ⁺⁺ +Mg ⁺⁺)	Na ⁺ K ⁺	(Na ⁺ +K ⁺) Cl ⁻	Cl ⁻ NO ₃ ⁻	SO ₄ ⁻ Cl ⁻	HCO ₃ ⁻ SO ₄ ⁻
37-12-AB	970707	21:00		216.0	6.5	7.79	3.17	0.99	0.61	2.29	2.56	0.09	9.21	47.55
37-12-AB	970708	00:00		220.0	6.6	7.91	2.62	1.00	0.57	1.96	2.98	0.09	7.91	57.05
37-12-AB	970708	03:00		226.0	6.6	7.90	2.51	0.83	0.48	1.73	2.54	0.11	6.77	47.87
37-12-AB	970708	06:00		229.0	6.6	7.87	2.41	0.81	0.46	1.99	1.32	0.15	4.41	48.44
37-12-AB	970708	09:00	148.00	227.0	6.6	7.93	2.47	1.06	0.58	2.11	1.19	0.17	4.60	47.22
37-12-AB	970708	12:00	143.00	230.0	6.6		2.41	0.96	0.53	1.89	1.81	0.12	6.81	44.83
37-12-AB	970708	15:00	140.00	236.0	6.6	7.92	2.36	1.03	0.56	2.25	1.67	0.09	7.43	46.22
37-12-AB	970708	18:00	139.00	240.0	6.6		2.26	0.71	0.40	1.90	3.07	0.08	9.43	51.48
37-12-AB	970708	21:00	139.00	244.0	6.6	7.92	2.19	1.04	0.54	1.80	2.03	0.07	6.57	46.52
37-12-AB	970709	00:00	139.00	247.0	6.7	7.88	2.13	1.05	0.53	1.87	1.45	0.16	5.44	42.81
37-12-AB	970709	03:00	139.00	250.0	6.8	7.87	2.21	1.05	0.55	1.72	4.39	0.05	16.10	43.38
37-12-AB	970709	06:00	137.00	253.0	6.8	7.92	2.03	1.02	0.51	2.05	1.23	0.15	4.89	44.54
37-12-AB	970709	12:00	137.50	258.0	6.8	7.85	1.95	1.02	0.50	2.03	2.45	0.08	9.63	46.25
37-12-AB	970709	18:00	137.00	264.0	6.8	7.78	1.85	1.02	0.49	1.69	2.28	0.09	8.19	46.83
37-12-AB	970710	00:00	137.00	268.0	6.8	7.78	1.79	0.87	0.43	2.20	1.87	0.09	8.87	43.56
37-12-AB	970710	06:00	137.00	277.0	6.8	7.84	1.67	1.13	0.50	1.99	1.84	0.09	8.91	41.25
37-12-AB	970710	12:30	136.00	284.0	6.8	7.79	1.67	1.04	0.47	2.11	3.28	0.06	13.91	40.73
37-12-AB	970710	18:00	138.50	287.0	6.9	7.81	1.64	0.97	0.44	1.96	1.45	0.14	5.89	43.10
37-12-AB	970711	00:00	138.00	261.0	6.7	7.80	2.12	1.02	0.53	2.48	5.62	0.05	15.84	39.32
37-12-AB	970711	06:00	137.50	265.0	6.7	7.78	2.03	1.02	0.51	1.93	1.90	0.09	9.29	41.94
37-12-AB	970711	12:00	137.50	272.0	6.8	7.82	1.98	1.05	0.52	1.98	1.80	0.11	7.34	41.13
37-12-AB	970711	18:00	136.50	274.0	6.8	7.89	1.97	1.13	0.54	2.18	1.92	0.08	9.55	40.37
37-12-AB	970820	12:10	130.00	304.0	6.8	7.93	1.69	1.03	0.47	1.84	2.38	0.08	12.88	37.02
37-14-01-AG	960123													
37-14-03-A	960123		68.00	368.0	6.8	8.00	1.29	0.76	0.32	1.44	1.33	0.25	10.91	23.16
37-14-03-A	960504		295.00	340.0	7.4	7.94	1.47	1.01	0.43	1.49	2.61	0.10	30.20	13.27
37-14-03-A	960711	11:30	90.00	347.0	7.5	7.79	1.17	0.88	0.34	0.92	2.57	0.08	34.25	14.65
37-14-03-A	970226	10:45	117.00	342.0	6.8	7.78	1.62	1.09	0.48	3.70	3.64	0.08	17.69	17.14
37-14-03-A	970515	13:10	220.00	358.0	7.5	7.95	1.57	1.18	0.50	2.32	3.00	0.07	33.41	12.31
37-14-03-A	970820	12:30	200.00	361.0	7.6	7.87	1.61	1.10	0.48	1.87	3.01	0.09	25.64	13.83
37-19-ABB	960123		1.50	704.0	8.6	7.60	2.24	1.74	0.78	3.45	3.72	0.35	136.27	2.75
37-19-ABB	960504		2.00	703.0	9.1	7.50	2.08	1.52	0.69	0.82	3.30	0.18	544.45	0.95
37-19-ABB	960712	19:45	1.00	722.0	9.2	7.40	2.44	2.03	0.91	0.84	3.06	0.22	330.13	0.98
37-19-ABB	961025	08:30	5.00	722.0	8.8	7.47	2.48	2.02	0.91	0.54	2.35	0.26	275.88	1.01
37-19-ABB	970515	13:45	5.00	713.0	9.1	7.55	2.30	1.92	0.85	1.94	5.02	0.19	269.49	1.02
37-19-ABB	970820	13:00	1.00	710.0	9.5	7.55	2.32	1.85	0.83	2.28	5.09	0.21	319.58	0.97
37-21-M	960125		10.00	468.0	3.6	8.19	1.72	1.04	0.48	3.70	4.08	0.28	196.31	2.94
37-21-M	960503		10.00	358.0	8.1	8.20	1.80	1.12	0.52	0.93	2.09	0.14	60.43	4.67
37-21-M	960713	11:30	5.00	357.0	9.4	7.75	1.56	0.94	0.42	0.96	4.00	0.10	76.08	6.98
37-21-M	961022	16:00	8.00	406.4	8.9	7.49	2.50	1.09	0.60	1.46	2.44	0.23	31.31	9.84
37-21-M	970226	15:00	5.00	389.0	6.0	8.08	1.99	1.29	0.60	3.51	4.07	0.12	56.51	4.17

Kurzbez.	Entnahme	Uhrzeit	Q (l/s)	El. Leitf. ($\mu\text{S}/\text{cm}$ b. 25°C)	Temp. (° C)	pH- Wert	Ca ⁺⁺ Mg ⁺⁺	(Ca ⁺⁺ +Mg ⁺⁺) HCO ₃ ⁻	(Na ⁺ +K ⁺) (Ca ⁺⁺ +Mg ⁺⁺)	Na ⁺ K ⁺	(Na ⁺ +K ⁺) Cl ⁻	Cl ⁻ NO ₃ ⁻	SO ₄ ⁻ Cl ⁻	HCO ₃ ⁻ SO ₄ ⁻
37-21-M	970515	14:50	5.00	351.0	9.4	8.01	2.03	1.21	0.59	1.18	8.54	0.12	64.01	4.81
37-21-M	970820	14:50	5.00	435.0	10.8	7.70	2.04	1.03	0.52	3.38	10.64	0.06	219.27	4.06

ANHANG A-4

FELDPARAMETER & IONENBILANZ

Erläuterungen:

siehe auch Text S. 13.

Spalte Kurzbez.: Bezeichnung innerhalb des NPK-Flußnummernsystems; wenn nicht verfügbar, dann Bezeichnung nach zur Verfügung stehenden Unterlagen

Spalte Entnahme JJMMTT: Entnahmedatum der Probe.

Spalte Uhrzeit hhmm: In Einzelfällen wurde auch die Uhrzeit der Entnahme angeführt.

Spalte El. Leitf. ($\mu\text{S}/\text{cm}$ b. 25°C): Elektrische Leitfähigkeit des Wassers in Mikrosiemens pro Zentimeter bezogen auf die Referenztemperatur von 25°C .

Spalte Temp. ($^\circ\text{C}$): Wassertemperatur in Grad Celsius gemessen mit dem Temperaturfühler der Leitfähigkeitsselektrode.

Spalte pH-Wert: pH-Wert des Wassers, elektrometrisch gemessen

Spalten Kationen, Anionen, Gesamt: Summe der Kationen, der Anionen und der Kationen+Anionen in mg/l .

Spalten Kationen, Anionen, Gesamt: Summe der Kationen, der Anionen und der Kationen+Anionen in meq/l .

Spalte Äquiv.-Diff. (Kat.-An.): Absolute Differenz der Äquivalentsummen aus Kationen und Anionen in meq/l .

Spalte Ionenbilanz DVWK-Regel 128/1992 (%): siehe auch Textabschn. "Ionenbilanz".

Spalte Ionenbilanz Kat%-An% (%): Prozentanteil der Kationen bzw. Anionen an der Gesamtmineralisierung (= 100%) und Differenz zwischen beiden. Gegenüber der vorhergehenden Spalte ist der Zahlenwert um den Faktor 2 kleiner, hat aber denselben Aussagewert. Die Anwendung ist "Geschmackssache"

Spalte Ionenanzahl bestimmt: Angabe darüber, wie vollständig die Analyse bzgl. der ionogenen Hauptbestandteile ist. Kennziffer 8 = alle 8 Ionen bestimmt.

Spalte Anzahl (Ca/Mg/HCO₃/SO₄): Angabe darüber, ob die unter den normalen kalkalpinen Verhältnissen jeweils beiden wichtigsten Bestandteile auf Kationen oder Anionenseite bestimmt wurden.

Spalten Kat. 1 bis Kat. 4: Qualitätskategorien 1 bis 4, zur näheren Erläuterung siehe Text.

Auf S. A-4/17 der Tabelle sind unterhalb der Qualitätskategorien die Kategoriensummen angeführt. Die geringere Zahl von Analysen der Kategorie 1 z.B. im Verhältnis zur Kategorie 4 bedeutet nicht notwendigerweise, daß prinzipiell überwiegend "schlechte" Analysen vorhanden wären. Es gibt eine Menge an Meßstellen, bei denen z.B. nur die Schüttung oder auch nur die Feldparameter gemessen worden sind, und bei denen auch nicht geplant war, eine vollständige Analyse durchzuführen. Daher scheinen diese Analysen nach den Qualitätskriterien in Kategorie 4 auf und sollen behilflich sein, den Gründen für die Zuordnung zu dieser Kategorie nachzugehen.

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Ionenbilanz

Kurz-Bez.	Entnahme JJMMTT	Uhrzeit hhmm	El. Leitf. (µS/cm b. 25 °C)	Temp. (° C)	pH- Wert	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	Äquiv.-Diff. (Kat.-An.)	Ionenbilanz DVWK-Regel 128/1992 (%)	Ionenbilanz Kat%-An% (%)	Ionen- Anzahl bestimmt	Anzahl (Ca/Mg/ HCO ₃ /SO ₄)	Kat. 1	Kat. 2	Kat. 3	Kat. 4
33-138-1-CE	960124		349.0	6.4	8.05	2.77	2.79	5.56	-0.02	-0.62	-0.31	8	4	1	2	3	
33-138-1-CE	960502		337.0	6.8	7.95	3.19	3.35	6.54	-0.16	-4.98	-2.49	8	4		2	3	
33-138-1-CE	960712	16:40	305.0	7.0	7.86	3.05	3.13	6.19	-0.08	-2.59	-1.30	8	4		2	3	
33-138-1-CE	961023	15:00	268.6	6.9	7.69	2.69	2.81	5.50	-0.11	-4.14	-2.07	8	4		2	3	
33-138-1-CE	970227	14:45	353.0	6.9	7.92	3.68	3.63	7.31	0.05	1.28	0.64	8	4		2	3	
33-138-1-CE	970513	14:30	319.0	7.1	7.97	3.18	3.28	6.46	-0.10	-3.14	-1.57	8	4		2	3	
33-138-1-CE	970819	12:30	320.0	7.1	7.82	2.36	3.29	5.65	-0.93	-32.83	-16.41	8	4				4
33-138-13-AA	960124		335.0	7.8	8.13	2.34	3.77	6.11	-1.42	-46.59	-23.30	8	4				4
33-138-13-AA	960502		283.0	6.9	8.02	2.75	3.10	5.85	-0.35	-11.91	-5.95	8	4				4
33-138-13-AA	960712	17:30	295.0	7.4	7.92	2.42	3.31	5.73	-0.88	-30.90	-15.45	8	4				4
33-138-13-AA	961023	17:15	305.0	7.4	7.70	3.40	3.33	6.73	0.08	2.34	1.17	8	4		2	3	
33-138-13-AA	970227	13:45	280.0	6.9	7.88	3.11	3.10	6.20	0.01	0.36	0.18	8	4	1	2	3	
33-138-13-AA	970513	15:45	310.0	7.2	8.00	3.35	3.38	6.73	-0.03	-0.97	-0.49	8	4	1	2	3	
33-138-13-AA	970819	14:15	341.0	8.0	7.84		3.56	3.56				1	1				4
33-138-2-	961023	16:10	224.3	6.0	7.76	2.40	2.37	4.77	0.03	1.37	0.68	8	4	1	2	3	
33-138-2-	970513	14:45	221.0	5.6	8.24	2.17	2.27	4.44	-0.10	-4.72	-2.36	8	4		2	3	
33-138-2-	970819	15:00	221.0	6.0	8.09	2.20	2.35	4.55	-0.15	-6.57	-3.28	8	4			3	
33-138-7-AA	960124																4
33-138-7-AA	960502		217.0	7.0	8.14	2.14	2.30	4.44	-0.16	-7.00	-3.50	8	4			3	
33-138-7-AA	960712	17:10	260.0	7.1	7.99	2.22	2.80	5.03	-0.58	-22.95	-11.47	8	4				4
33-138-7-AA	961023	16:40	267.6	6.9	7.77	2.84	2.85	5.69	-0.01	-0.26	-0.13	8	4	1	2	3	
33-138-7-AA	970227	14:10	244.0	6.7	8.03	2.61	2.58	5.19	0.02	0.94	0.47	8	4	1	2	3	
33-138-7-AA	970513	15:15	193.0	7.2	8.13	1.94	2.04	3.98	-0.11	-5.38	-2.69	8	4		2	3	
33-138-7-AB	970819	14:30	301.0	7.6	7.97	3.07	4.24	7.32	-1.17	-31.95	-15.98	8	4				4
34-02-1-ABC	960124		263.0	4.9	8.09	1.86	3.46	5.32	-1.59	-59.93	-29.96	8	4				4
34-02-1-ABC	960502		276.0	4.7	8.03	2.56	3.02	5.57	-0.46	-16.53	-8.27	8	4				4
34-02-1-ABC	960712	15:00	270.0	5.1	7.94	2.60	3.03	5.64	-0.43	-15.27	-7.64	8	4				4
34-02-1-ABC	961023	14:20	279.4	5.1	7.78	3.08	3.14	6.22	-0.05	-1.76	-0.88	8	4	1	2	3	
34-02-1-ABC	970514	14:50	265.0	5.1	8.00	2.91	2.93	5.84	-0.02	-0.54	-0.27	8	4	1	2	3	
34-02-1-ABC	970821	18:00	288.0	5.1	7.96	2.83	3.13	5.96	-0.31	-10.24	-5.12	8	4				4
34-02-3-ECB	960502		325.0	6.0	7.98	3.08	3.59	6.67	-0.51	-15.17	-7.59	8	4				4
34-02-3-ECB	960712	13:00	330.0	7.1	7.78	3.28	3.67	6.95	-0.39	-11.16	-5.58	8	4				4
34-02-3-ECB	961023	12:30	333.6	6.8	7.62	3.71	3.79	7.50	-0.07	-1.99	-1.00	8	4	1	2	3	
34-02-3-ECB	970514	13:30	329.0	6.1	7.87	3.71	3.69	7.40	0.02	0.48	0.24	8	4	1	2	3	
34-02-3-ECB	970821	15:00	355.0	7.3	7.77	4.31	3.91	8.23	0.40	9.83	4.91	8	4			3	
34-02-3-GB	960126		283.0	7.0	8.31	2.22	3.17	5.39	-0.95	-35.39	-17.70	8	4				4
34-02-3-GB	960502																4
34-02-3-GB	970821	11:00	327.0	7.5	7.97	3.39	3.50	6.88	-0.11	-3.08	-1.54	8	4		2	3	
34-02-3-J	960126		252.0	6.8	8.27	2.23	3.13	5.35	-0.90	-33.69	-16.85	8	4				4
34-02-3-J	960502		217.0	6.8	8.19	1.96	2.31	4.27	-0.35	-16.24	-8.12	8	4				4
34-02-3-J	960712	12:10	252.0	7.1	7.99	2.51	2.79	5.30	-0.28	-10.42	-5.21	8	4				4

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

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Quellen

Feldparameter & Ionenbilanz

Kurz-Bez.	Entnahme JJMMTT	Uhrzeit hhmm	El. Leitf. (µS/cm b. 25 °C)	Temp. (° C)	pH- Wert	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	Äquiv.-Diff. (Kat.-An.)	Ionenbilanz DVWK-Regel 128/1992 (%)	Ionenbilanz Kat%-An% (%)	Ionen- Anzahl bestimmt	Anzahl (Ca/Mg/ HCO ₃ /SO ₄)	Kat. 1	Kat. 2	Kat. 3	Kat. 4
34-02-3-J	961023	12:00	225.3	7.0	7.83	2.44	2.48	4.92	-0.04	-1.46	-0.73	8	4	1	2	3	
34-02-3-J	970227	10:00	267.0	7.2	7.85	2.92	2.85	5.78	0.07	2.46	1.23	8	4		2	3	
34-02-3-J	970514	11:00	204.0	7.2	8.12	2.08	2.21	4.29	-0.13	-6.16	-3.08	8	4			3	
34-02-3-J	970821	12:15	321.0	7.5	8.01	3.17	3.41	6.58	-0.23	-7.14	-3.57	8	4			3	
34-02-4-1-ACA	960502		281.0	5.6	7.89	2.86	3.09	5.95	-0.22	-7.50	-3.75	8	4			3	
34-02-4-1-ACA	960712	13:40	301.0	5.5	7.76	2.52	3.29	5.81	-0.77	-26.41	-13.20	8	4				4
34-02-4-1-ACA	970514	13:50	283.0	5.5	7.82	3.06	3.16	6.22	-0.10	-3.18	-1.59	8	4		2	3	
34-02-4-1-ACA	970821	15:30	297.0	5.6	7.81	3.15	3.32	6.46	-0.17	-5.28	-2.64	8	4			3	
34-02-4-2-DBC	960126		239.0	5.0	8.29	2.16	2.76	4.92	-0.60	-24.45	-12.23	8	4				4
34-02-4-2-DBC	960502		206.0	5.4	8.17	2.01	2.15	4.16	-0.15	-6.97	-3.49	8	4			3	
34-02-4-2-DBC	960712	10:30	224.0	5.7	8.03	1.74	2.46	4.19	-0.72	-34.46	-17.23	8	4				4
34-02-4-2-DBC	961023	10:30	210.6	5.7	7.92	2.27	2.32	4.59	-0.05	-2.13	-1.06	8	4		2	3	
34-02-4-2-DBC	970227	12:00	284.0	5.1	7.98	2.60	2.68	5.28	-0.08	-2.94	-1.47	8	4		2	3	
34-02-4-2-DBC	970514	12:00	195.0	5.5	8.14	2.01	1.87	3.88	0.13	6.91	3.46	8	4		2	3	
34-02-4-2-DBC	970821	13:15	227.0	6.0	8.05	2.31	2.43	4.73	-0.12	-4.98	-2.49	8	4		2	3	
34-02-4-2-F	960126		305.0	6.4	8.25	1.96	3.60	5.57	-1.64	-58.85	-29.42	8	4				4
34-02-4-2-F	960502		232.0	6.5	8.07	2.10	2.46	4.56	-0.36	-15.66	-7.83	8	4				4
34-02-4-2-F	960712	11:00	288.0	6.9	7.96	2.60	3.12	5.72	-0.52	-18.20	-9.10	8	4				4
34-02-4-2-F	961023	11:00	273.5	7.0	7.79	2.99	3.03	6.02	-0.04	-1.18	-0.59	8	4	1	2	3	
34-02-4-2-F	970227	12:30	258.0	6.4	8.01	2.76	2.79	5.54	-0.03	-1.06	-0.53	8	4	1	2	3	
34-02-4-2-F	970514	12:20	229.0	6.4	8.09	2.41	2.56	4.97	-0.15	-6.20	-3.10	8	4			3	
34-02-4-2-F	970821	13:45	324.0	7.5	7.97	3.82	3.54	7.35	0.28	7.63	3.81	8	4			3	
34-02-4-2-I	960126		301.0	6.6	8.16	2.39	3.37	5.76	-0.98	-34.06	-17.03	8	4				4
34-02-4-2-I	960502		289.0	7.0	8.11	2.93	3.11	6.04	-0.17	-5.79	-2.89	8	4			3	
34-02-4-2-I	960712	11:30	297.0	6.9	8.02	2.59	3.24	5.84	-0.65	-22.37	-11.18	8	4				4
34-02-4-2-I	961023	11:30	305.0	6.7	7.97	3.38	3.38	6.76	0.00	0.13	0.06	8	4	1	2	3	
34-02-4-2-I	970227	13:00	296.0	6.4	7.85	3.02	3.19	6.22	-0.17	-5.46	-2.73	8	4			3	
34-02-4-2-I	970514	12:40	287.0	7.2	7.88	3.06	3.14	6.20	-0.08	-2.62	-1.31	8	4		2	3	
34-02-4-2-I	970821	14:00	301.0	7.6	7.92	3.18	3.28	6.45	-0.10	-3.09	-1.54	8	4		2	3	
34-09-C	960126		323.0	4.5	8.11	2.64	3.46	6.11	-0.82	-26.79	-13.40	8	4				4
34-09-C	960502		259.0	7.0	8.03	2.43	2.81	5.24	-0.39	-14.83	-7.42	8	4				4
34-09-C	960712	18:30	303.0	7.6	7.94	2.67	3.25	5.92	-0.58	-19.42	-9.71	8	4				4
34-09-C	970227	09:30	282.0		7.81	3.11	3.06	6.17	0.05	1.60	0.80	8	4	1	2	3	
34-09-C	970514	10:30	263.0	7.7	8.10	2.78	2.84	5.62	-0.06	-2.17	-1.08	8	4		2	3	
34-09-C	970821	09:50	333.0	10.3	8.10	3.03	3.66	6.70	-0.63	-18.81	-9.40	8	4				4
34-09-E	970514	10:00	402.0	8.4	7.66	4.43	4.47	8.90	-0.04	-0.91	-0.46	8	4	1	2	3	
34-09-E	970821	09:30	498.0	8.5	7.61	5.75	5.51	11.26	0.25	4.37	2.18	8	4		2	3	
34-16-1-OA	960126		383.0	7.7	7.68	3.66	4.36	8.02	-0.69	-17.34	-8.67	8	4				4
34-16-1-OA	960502		380.0	7.7	7.71	3.70	4.25	7.94	-0.55	-13.90	-6.95	8	4				4
34-16-1-OA	960712	09:30	377.0	7.9	7.65	3.52	4.20	7.72	-0.69	-17.77	-8.88	8	4				4
34-16-1-OA	961023	08:40	384.7	7.7	7.49	4.30	4.42	8.72	-0.13	-2.90	-1.45	8	4		2	3	

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Kurz-Bez.	Entnahme JJMMTT	Uhrzeit hhmm	El. Leitf. ($\mu\text{S}/\text{cm}$ b. 25 °C)	Temp. (°C)	pH- Wert	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	Äquiv.-Diff. (Kat.-An.)	Ionenbilanz DVWK-Regel 128/1992 (%)	Ionenbilanz Kat%-An% (%)	Ionen- Anzahl bestimmt	Anzahl (Ca/Mg/ HCO_3/SO_4)	Kat. 1	Kat. 2	Kat. 3	Kat. 4
34-16-1-OA	970227	09:00	380.0	7.7	7.45	4.21	4.36	8.57	-0.16	-3.64	-1.82	8	4		2	3	
34-16-1-OA	970414	15:15	387.0	7.6	7.79	4.18	4.13	8.31	0.05	1.18	0.59	8	4	1	2	3	
34-16-1-OA	970414	18:00	389.0	7.6	7.77	4.27	4.24	8.51	0.03	0.77	0.38	8	4	1	2	3	
34-16-1-OA	970414	21:00	389.0	7.6	7.79	4.33	4.26	8.59	0.06	1.49	0.74	8	4	1	2	3	
34-16-1-OA	970415		389.0	7.6	7.78	4.21	4.28	8.49	-0.06	-1.53	-0.76	8	4	1	2	3	
34-16-1-OA	970415	03:00	389.0	7.6	7.77	4.57	4.27	8.84	0.30	6.70	3.35	8	4			3	
34-16-1-OA	970415	06:00	389.0	7.6	7.78	4.30	4.27	8.58	0.03	0.60	0.30	8	4	1	2	3	
34-16-1-OA	970415	09:00	389.0	7.6	7.79	4.18	4.20	8.39	-0.02	-0.49	-0.24	8	4	1	2	3	
34-16-1-OA	970415	12:00	388.0	7.6	7.68	4.22	4.15	8.38	0.07	1.75	0.88	8	4	1	2	3	
34-16-1-OA	970415	15:00	385.0	7.6	7.68	4.18	4.13	8.31	0.05	1.20	0.60	8	4	1	2	3	
34-16-1-OA	970415	18:00	381.0	7.6	7.68	4.20	4.28	8.49	-0.08	-1.86	-0.93	8	4	1	2	3	
34-16-1-OA	970415	21:00	378.0	7.6	7.68	4.15	0.60	4.75	3.56	149.83	74.92	8	4				4
34-16-1-OA	970416		378.0	7.6	7.67	4.23	4.22	8.46	0.01	0.30	0.15	8	4	1	2	3	
34-16-1-OA	970416	06:00	379.0	7.6	7.70	4.09	4.24	8.34	-0.15	-3.53	-1.76	8	4		2	3	
34-16-1-OA	970416	12:00	382.0	7.6	7.69	4.28	4.23	8.51	0.05	1.21	0.60	8	4	1	2	3	
34-16-1-OA	970416	18:00	382.0	7.6	7.69	4.29	4.24	8.53	0.05	1.18	0.59	8	4	1	2	3	
34-16-1-OA	970417		384.0	7.6	7.70	4.34	4.25	8.59	0.10	2.24	1.12	8	4		2	3	
34-16-1-OA	970417	06:00	388.0	7.6	7.70	4.22	4.22	8.45	0.00	-0.06	-0.03	8	4	1	2	3	
34-16-1-OA	970417	12:00	388.0	7.6	7.70	4.26	4.29	8.55	-0.03	-0.73	-0.37	8	4	1	2	3	
34-16-1-OA	970514	09:30	386.0	7.8	7.70	4.27	4.35	8.63	-0.08	-1.83	-0.92	8	4	1	2	3	
34-16-1-OA	970705	15:00	374.0	7.7	7.67	4.31	4.27	8.58	0.05	1.14	0.57	8	4		2	3	
34-16-1-OA	970705	18:00	383.0	7.7	7.69	4.08	4.28	8.36	-0.20	-4.87	-2.43	8	4		2	3	
34-16-1-OA	970705	21:00	383.0	7.7	7.70	4.37	3.80	8.16	0.57	13.92	6.96	8	4				4
34-16-1-OA	970706		383.0	7.7	7.70	4.34	4.24	8.58	0.10	2.37	1.19	8	4		2	3	
34-16-1-OA	970706	03:00	382.0	7.8	7.68	3.94	3.95	7.89	-0.01	-0.15	-0.08	8	4	1	2	3	
34-16-1-OA	970706	06:00	369.0	7.8	7.67	3.78	3.91	7.69	-0.13	-3.43	-1.72	8	4		2	3	
34-16-1-OA	970706	09:00	370.0	7.7	7.70	3.80	3.77	7.57	0.04	0.99	0.49	8	4	1	2	3	
34-16-1-OA	970706	12:00	367.0	7.8	7.66	4.01	4.07	8.09	-0.06	-1.58	-0.79	8	4	1	2	3	
34-16-1-OA	970706	15:00	365.0	7.7	7.64	4.06	4.13	8.19	-0.07	-1.82	-0.91	8	4	1	2	3	
34-16-1-OA	970706	18:00	368.0	7.7	7.68	4.18	4.22	8.40	-0.04	-1.06	-0.53	8	4	1	2	3	
34-16-1-OA	970706	21:00	371.0	7.7	7.67	4.19	4.16	8.34	0.03	0.63	0.32	8	4	1	2	3	
34-16-1-OA	970707		374.0	7.7	7.68	4.22	4.19	8.42	0.03	0.71	0.36	8	4	1	2	3	
34-16-1-OA	970707	03:00	376.0	7.7	7.65	4.20	4.44	8.64	-0.24	-5.60	-2.80	8	4			3	
34-16-1-OA	970707	06:00	377.0	7.7	7.68	4.20	4.24	8.44	-0.04	-1.00	-0.50	8	4	1	2	3	
34-16-1-OA	970707	09:00	378.0	7.7	7.69	4.16	4.29	8.46	-0.13	-3.08	-1.54	8	4		2	3	
34-16-1-OA	970707	12:00	379.0	7.8	7.69	4.03	4.20	8.22	-0.17	-4.08	-2.04	8	4		2	3	
34-16-1-OA	970707	15:00	378.0	7.8	7.69	3.94	4.08	8.03	-0.14	-3.53	-1.77	8	4		2	3	
34-16-1-OA	970707	18:00	374.0	7.8	7.80	4.19	3.98	8.17	0.21	5.14	2.57	8	4			3	
34-16-1-OA	970707	21:00	366.0	7.7	7.61	4.07	4.19	8.26	-0.12	-3.00	-1.50	8	4		2	3	
34-16-1-OA	970708		364.0	7.7	7.62	4.22	4.11	8.32	0.11	2.62	1.31	8	4		2	3	
34-16-1-OA	970708	03:00	363.0	7.7	7.60	4.18	4.13	8.30	0.05	1.23	0.61	8	4	1	2	3	

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Kurz-Bez.	Entnahme JJMMTT	Uhrzeit hhmm	El. Leitf. (µS/cm b. 25 °C)	Temp. (° C)	pH- Wert	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	Äquiv.-Diff. (Kat.-An.)	Ionenbilanz DVWK-Regel 128/1992 (%)	Ionenbilanz Kat%-An% (%)	Ionen- Anzahl bestimmt	Anzahl (Ca/Mg/ HCO ₃ /SO ₄)	Kat. 1	Kat. 2	Kat. 3	Kat. 4
34-16-1-OA	970708	06:00	368.0	7.7	7.64	4.20	4.13	8.33	0.06	1.56	0.78	8	4	1	2	3	
34-16-1-OA	970708	09:00	373.0	7.7	7.64	4.35	4.28	8.63	0.06	1.42	0.71	8	4		2	3	
34-16-1-OA	970708	12:00	374.0	7.7	7.65	4.20	4.22	8.42	-0.02	-0.55	-0.28	8	4	1	2	3	
34-16-1-OA	970708	15:00	375.0	7.7	7.66	4.54	4.24	8.78	0.30	6.92	3.46	8	4			3	
34-16-1-OA	970708	18:00	377.0	7.7	7.62	3.96	4.24	8.20	-0.28	-6.84	-3.42	8	4			3	
34-16-1-OA	970708	21:00	379.0	7.7	7.66	4.25	4.55	8.80	-0.30	-6.89	-3.44	8	4			3	
34-16-1-OA	970709		379.0	7.7	7.66	4.35	4.26	8.61	0.09	2.09	1.05	8	4		2	3	
34-16-1-OA	970709	03:00	380.0	7.7	7.67	4.34	4.25	8.58	0.09	2.09	1.05	8	4		2	3	
34-16-1-OA	970709	06:00	380.0	7.7	7.67	4.31	4.29	8.60	0.02	0.57	0.28	8	4	1	2	3	
34-16-1-OA	970709	12:00	383.0	7.7	7.69	4.33	4.28	8.61	0.05	1.18	0.59	8	4	1	2	3	
34-16-1-OA	970709	18:00	382.0	7.7	7.65	4.24	4.48	8.72	-0.25	-5.65	-2.83	8	4			3	
34-16-1-OA	970710		384.0	7.7	7.64	4.30	4.30	8.60	0.00	0.00	0.00	8	4	1	2	3	
34-16-1-OA	970710	06:00	384.0	7.7	7.66	4.44	4.29	8.73	0.16	3.56	1.78	8	4		2	3	
34-16-1-OA	970710	12:00	384.0	7.7	7.70	4.26	4.27	8.53	-0.01	-0.34	-0.17	8	4	1	2	3	
34-16-1-OA	970710	18:00	382.0	7.7	7.65	4.28	4.57	8.86	-0.29	-6.57	-3.28	8	4			3	
34-16-1-OA	970711		381.0	7.7	7.66	4.08	4.35	8.43	-0.26	-6.19	-3.10	8	4			3	
34-16-1-OA	970711	06:00	386.0	7.7	7.66	4.27	4.31	8.58	-0.03	-0.81	-0.40	8	4	1	2	3	
34-16-1-OA	970711	12:00	385.0	7.7	7.68	4.28	4.53	8.81	-0.25	-5.68	-2.84	8	4			3	
34-16-1-OA	970711	18:00	386.0	7.7	7.66	0.01	4.34	4.36	-4.33	-198.62	-99.31	6	2				4
34-16-1-OA	970821	09:00	387.0	7.8	7.70	4.28	4.27	8.55	0.01	0.13	0.06	8	4	1	2	3	
35-01-	960710	17:45	167.0	4.7	8.01	1.64	1.82	3.45	-0.18	-10.51	-5.26	8	4				4
35-01-	961024	11:30	157.4	4.5	8.05	1.72	1.67	3.39	0.05	2.72	1.36	8	4		2	3	
35-20-BA	970513	10:30	165.0	6.2	8.26	1.68	1.77	3.45	-0.09	-5.07	-2.54	8	4		2	3	
35-20-BBA	960124		236.0	7.0	8.17	1.69	2.72	4.41	-1.03	-46.61	-23.31	8	4				4
35-20-BBA	960503		171.0	6.0	8.24	1.83	1.86	3.70	-0.03	-1.57	-0.79	8	4	1	2	3	
35-20-BBA	960710	10:50	205.0	6.3	8.13	1.84	2.20	4.04	-0.37	-18.13	-9.07	8	4				4
35-20-BBA	961024	11:30	190.9	6.3	7.90	2.14	2.08	4.23	0.06	2.87	1.43	8	4		2	3	
35-20-BBA	970225	11:00	230.0	6.7	7.98	2.51	2.45	4.96	0.06	2.43	1.22	8	4		2	3	
35-20-BBA	970819	10:30	229.0	7.0	8.16	2.33	2.48	4.82	-0.15	-6.40	-3.20	8	4			3	
35-27-AB	960124		397.0	5.2	7.91	2.39	4.13	6.52	-1.74	-53.43	-26.71	8	4				4
35-27-AB	960503		354.0	7.8	7.88	3.19	3.86	7.04	-0.67	-18.99	-9.49	8	4				4
35-27-AB	960710	19:10	359.0	8.5	7.75	3.07	3.93	7.00	-0.86	-24.71	-12.35	8	4				4
35-27-AC	961024	09:30	361.1	7.9	7.62	4.01	4.01	8.02	-0.01	-0.13	-0.06	8	4	1	2	3	
35-27-AC	970225	09:45	353.0	7.9	7.90	3.96	3.92	7.87	0.04	1.00	0.50	8	4	1	2	3	
35-27-AC	970513	10:00	358.0	8.1	7.90	4.05	3.96	8.00	0.09	2.15	1.08	8	4		2	3	
35-27-AC	970819	09:15	359.0	8.2	7.83	3.62	4.01	7.63	-0.39	-10.35	-5.17	8	4				4
35-28-DAA	960124		293.0	5.7	8.12	1.70	3.28	4.98	-1.57	-63.20	-31.60	8	4				4
35-28-DAA	960503		281.0	7.0	8.01	2.20	3.01	5.21	-0.80	-30.72	-15.36	8	4				4
35-28-DAA	960710	19:30	295.0	7.0	7.74	2.40	3.15	5.55	-0.75	-27.10	-13.55	8	4				4
35-28-DAA	961024	09:00	319.8	7.1	7.54	3.44	3.42	6.85	0.02	0.47	0.24	8	4	1	2	3	
35-28-DAA	970225	10:15	281.0	7.2	7.70	3.09	3.03	6.12	0.06	2.12	1.06	8	4		2	3	

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Kurz-Bez.	Entnahme JJMMTT	Uhrzeit hhmm	El. Leitf. (µS/cm b. 25 °C)	Temp. (° C)	pH- Wert	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	Äquiv.-Diff. (Kat.-An.)	Ionenbilanz DVWK-Regel 128/1992 (%)	Ionenbilanz Kat%-An% (%)	Ionen- Anzahl bestimmt	Anzahl (Ca/Mg/ HCO ₃ /SO ₄)	Kat. 1	Kat. 2	Kat. 3	Kat. 4
35-28-DAA	970513	09:30	268.0	7.1	7.95	2.78	2.91	5.68	-0.13	-4.57	-2.29	8	4		2	3	
35-28-DAA	970819	08:45	311.0	7.1	7.83	3.31	3.35	6.67	-0.04	-1.29	-0.65	8	4	1	2	3	
35-34-1-AA	960830	10:30	179.6	2.6	8.26	2.10	1.86	3.96	0.24	11.93	5.96	8	4				4
35-34-1-AA	970708	12:30	179.0	2.6		1.88	1.93	3.81	-0.06	-3.00	-1.50	8	4	1	2	3	
35-34-1-ACB	960422	11:30	192.0	3.4	7.91	1.93	2.06	3.99	-0.13	-6.70	-3.35	8	4		2	3	
35-34-1-ACB	960504		186.0	1.4	7.79	1.86	1.93	3.79	-0.07	-3.85	-1.92	8	4	1	2	3	
35-34-1-ACB	960711	17:00	182.0	6.6	8.24	1.59	1.99	3.57	-0.40	-22.19	-11.10	8	4				4
35-34-1-ACB	961025	11:00	187.0	2.6	8.02	2.00	2.02	4.03	-0.01	-0.54	-0.27	8	4	1	2	3	
35-34-1-ACD	970226	12:00	205.7	3.6	6.21	2.18	2.16	4.34	0.02	1.09	0.55	8	4	1	2	3	
35-34-1-ACB	970515	10:30	139.0	2.8	7.60	2.79	1.67	4.46	1.11	49.95	24.98	8	4				4
35-34-1-ACB	970820	16:30	177.4	9.8	7.75	1.90	1.87	3.77	0.02	1.17	0.59	8	4	1	2	3	
35-34-1-BCB	960422	12:30	294.0	1.5	7.66	2.50	3.25	5.74	-0.75	-26.03	-13.02	8	4				4
35-34-1-BCB	960829	16:00	195.2	16.0	7.62	2.15	2.07	4.22	0.09	4.03	2.02	8	4		2	3	
35-34-1-BCB	970708	11:00	169.0	8.1		2.84	1.76	4.59	1.08	47.16	23.58	8	4				4
35-34-1-D	960504		171.0	3.7	7.82	1.90	1.77	3.67	0.12	6.80	3.40	8	4		2	3	
35-34-1-D	960711	18:00	228.0	4.5	7.97	2.03	2.43	4.46	-0.39	-17.69	-8.84	8	4				4
35-34-1-D	961025	12:00	222.0	4.9	8.08	2.44	2.38	4.82	0.06	2.42	1.21	8	4		2	3	
35-34-1-D	970226	12:30	222.4	4.4	7.96	2.39	2.42	4.80	-0.03	-1.23	-0.62	8	4		2	3	
35-34-1-D	970515	09:45	126.0	3.7	7.72	1.52	1.52	3.04	0.00	0.05	0.03	8	4			3	
35-34-1-D	970820	16:00	263.0	5.3	7.68	2.92	2.97	5.89	-0.06	-1.97	-0.98	8	4		2	3	
35-34-1-ED	960504		194.0	4.5	8.02	1.95	2.04	3.99	-0.09	-4.45	-2.22	8	4	1	2	3	
35-34-2-CA	960125		226.0	5.3	8.41	1.66	2.60	4.26	-0.94	-44.20	-22.10	8	4				4
35-34-2-CA	960504		183.0	4.9	8.11	1.81	1.95	3.75	-0.14	-7.55	-3.77	8	4		2	3	
35-34-2-CA	960711	08:00	219.0	6.2	8.11	2.08	2.38	4.46	-0.30	-13.40	-6.70	8	4				4
35-34-2-CA	961024	08:00	222.4	7.4	8.08	2.36	2.40	4.77	-0.04	-1.78	-0.89	8	4	1	2	3	
35-34-2-CA	970226	08:00	219.0	6.8	8.04	2.44	2.41	4.85	0.04	1.59	0.79	8	4		2	3	
35-34-2-CA	970513	07:45	184.1	5.3	8.31	1.95	2.02	3.96	-0.07	-3.55	-1.77	8	4	1	2	3	
35-34-2-CA	970820	18:30	235.0	6.9	8.36	2.51	2.56	5.07	-0.05	-2.15	-1.07	8	4		2	3	
35-34-7-BA	960125																4
35-34-7-BA	960504		264.0	6.2	7.92	2.41	2.84	5.25	-0.43	-16.26	-8.13	8	4				4
35-34-7-BA	960711	09:00	263.0	6.5	7.93	2.99	2.84	5.83	0.15	5.23	2.62	8	4			3	
35-34-7-BA	961022	18:00	275.5	7.0	7.84	3.01	2.98	5.99	0.03	0.99	0.50	8	4	1	2	3	
35-34-7-BA	970226	08:45	264.0	6.5	7.80	3.00	2.98	5.98	0.02	0.80	0.40	8	4		2	3	
35-34-7-BA	970513	08:30	251.7	6.5	8.03	2.70	2.79	5.48	-0.09	-3.41	-1.70	8	4		2	3	
35-34-7-BA	970820	18:00	252.0	7.1	8.01	3.64	2.77	6.41	0.88	27.37	13.68	8	4				4
35-34-7-DA	960125		322.0	7.2	7.92	2.15	3.65	5.80	-1.50	-51.74	-25.87	8	4				4
35-34-7-DA	960504		287.0	7.4	7.90	2.74	3.09	5.83	-0.35	-11.99	-5.99	8	4				4
35-34-7-DA	960711	09:30	286.0	7.1	7.90	2.46	3.08	5.54	-0.62	-22.56	-11.28	8	4				4
35-34-7-DA	961022	17:45	269.6	7.2	7.78	2.95	2.89	5.84	0.06	2.16	1.08	8	4		2	3	
35-34-7-DA	970226	09:15	314.0	7.3	7.66	3.49	3.43	6.91	0.06	1.77	0.89	8	4	1	2	3	
35-34-7-DA	970513	09:00	287.6	7.3	7.95	3.06	3.21	6.27	-0.15	-4.84	-2.42	8	4		2	3	

NATIONALPARK KALKALPEN

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Kurz-Bez.	Entnahme JJMMTT	Uhrzeit hhmm	El. Leitf. (µS/cm b. 25 °C)	Temp. (°C)	pH- Wert	Kationen (meq/l)	Anionen (meq/l)	Gesamt (rneq/l)	Äquiv.-Diff. (Kat.-An.)	Ionenbilanz DVWK-Regel 128/1992 (%)	Ionenbilanz Kat%-An% (%)	Ionen- Anzahl bestimmt	Anzahl (Ca/Mg/ HCO ₃ /SO ₄)	Kat. 1	Kat. 2	Kat. 3	Kat. 4
35-34-7-DA	970820	17:30	312.0	7.3	7.86	3.44	3.39	6.84	0.05	1.48	0.74	8	4	1	2	3	
35-43-AB	960125		339.0	6.8	7.98	3.13	3.77	6.90	-0.63	-18.29	-9.15	8	4				4
35-43-AB	960503		311.0	7.9	8.14	2.67	3.20	5.87	-0.53	-18.06	-9.03	8	4				4
35-43-AB	960713	12:30	318.0	8.9	7.97	2.90	3.43	6.33	-0.53	-16.78	-8.39	8	4				4
35-43-AB	961022	16:45	324.7	7.9	7.78	3.52	3.48	6.99	0.04	1.21	0.61	8	4	1	2	3	
35-43-AB	970226	16:00	343.0	8.0	7.78	3.67	3.66	7.34	0.01	0.23	0.12	8	4	1	2	3	
35-43-AB	970515	15:20	333.0	8.3	7.96	3.42	3.54	6.96	-0.13	-3.64	-1.82	8	4		2	3	
35-43-AB	970820	16:40	338.0	8.2	7.96	3.45	3.59	7.03	-0.14	-3.96	-1.98	8	4		2	3	
36-01-	961024	16:30	243.0	6.3	7.82	2.57	2.55	5.12	0.02	0.91	0.46	8	4		2	3	
36-01-	970225	14:45	393.0	7.1	7.80	4.18	4.08	8.26	0.09	2.22	1.11	8	4		2	3	
36-01-	970513	18:00	177.0	5.2	8.19	1.76	1.85	3.61	-0.09	-4.72	-2.36	8	4	1	2	3	
36-01-	970819	16:30	309.0	7.3	7.94	3.09	3.17	6.26	-0.08	-2.54	-1.27	8	4		2	3	
36-06-13-BA	961024	15:00	372.9	9.2	7.43												4
36-06-13-BB	961024	15:00	2528.7	8.8	7.07	34.78	33.32	68.09	1.46	4.29	2.14	8	4		2	3	
36-06-4-ABA	960124		378.0	3.6	8.56	3.75	3.28	7.04	0.47	13.41	6.71	8	4				4
36-06-4-ADA	960503		333.0	5.2	8.04	3.17	3.44	6.61	-0.27	-8.27	-4.13	8	4			3	
36-06-4-ADA	960710	14:10	332.0	5.2	7.79	2.95	3.62	6.57	-0.67	-20.41	-10.21	8	4				4
36-06-4-ADA	961023	17:45	334.5	5.6	7.80	3.47	3.49	6.96	-0.03	-0.76	-0.38	8	4	1	2	3	
36-06-4-ADA	970225	13:15	393.0	5.2	7.81	4.18	4.22	8.40	-0.04	-1.05	-0.52	8	4		2	3	
36-06-4-ADA	970513	16:15	318.0	5.2	8.11	3.23	3.43	6.66	-0.20	-5.97	-2.98	8	4			3	
36-06-4-ADA	970819	15:30	334.0	5.3	8.02	3.30	3.46	6.75	-0.16	-4.76	-2.38	8	4		2	3	
36-06-6-CD	960124		374.0	8.5	7.70	2.86	3.94	6.80	-1.08	-31.75	-15.88	8	4				4
36-06-6-CD	960503		335.0	8.2	7.72	3.14	3.68	6.82	-0.55	-16.06	-8.03	8	4				4
36-06-6-CD	960710	15:40	304.0	7.7	7.44	2.14	3.23	5.38	-1.09	-40.45	-20.22	8	4				4
36-06-6-CD	961023	18:10	323.7	7.4	7.46	3.56	3.53	7.10	0.03	0.91	0.46	8	4	1	2	3	
36-06-6-CD	970225	14:15	342.0	8.5	8.50	3.79	3.74	7.52	0.05	1.29	0.64	8	4	1	2	3	
36-06-6-CD	970513	16:50	341.0	8.2	7.83	3.63	3.73	7.35	-0.10	-2.68	-1.34	8	4		2	3	
36-06-6-CD	970819	16:00	378.0	8.3	7.73	4.12	4.33	8.45	-0.21	-4.85	-2.43	8	4		2	3	
36-08-1-A	960124		209.0	5.7	8.20	2.11	2.32	4.43	-0.21	-9.36	-4.68	8	4			3	
36-08-1-A	960503		171.0	4.7	8.27	1.79	1.78	3.57	0.01	0.62	0.31	8	4	1	2	3	
36-08-1-A	960710	16:30	188.0	4.7	7.99	1.65	2.09	3.73	-0.44	-23.42	-11.71	8	4				4
36-08-1-A	961024	12:45	183.0	4.8	8.05	2.00	1.99	3.99	0.00	0.23	0.12	8	4	1	2	3	
36-08-1-A	970225	17:00	207.0	5.8	8.00	2.28	2.23	4.51	0.04	1.95	0.98	8	4	1	2	3	
36-08-1-A	970513	18:30	158.0	5.3	8.25	1.55	1.60	3.15	-0.05	-3.11	-1.55	5	3				4
36-08-1-A	970819	19:30	188.0	5.0	8.27	2.15	2.12	4.26	0.03	1.36	0.68	8	4		2	3	
36-12-1-HA	960124		266.0	7.5	8.25	1.90	3.03	4.92	-1.13	-45.76	-22.88	8	4				4
36-12-1-HA	960503		246.0	7.1	8.20	2.43	2.60	5.03	-0.17	-6.83	-3.42	8	4			3	
36-12-1-HA	960710	12:30	250.0	7.3	8.11	2.00	2.62	4.62	-0.63	-27.09	-13.55	8	4				4
36-12-1-HA	970225	15:30	242.0	7.3	7.99	2.66	2.58	5.24	0.09	3.26	1.63	8	4		2	3	
36-12-1-HA	970513	11:45	230.0	6.9	8.19	2.39	2.49	4.89	-0.10	-4.27	-2.14	8	4		2	3	
36-12-1-HA	970819	18:45	264.0	7.8	8.05	2.81	2.89	5.71	-0.08	-2.85	-1.42	8	4		2	3	

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Kurz-Bez.	Entnahme JJMMTT	Uhrzeit hhmm	El. Leitf. (µS/cm b. 25 °C)	Temp. (° C)	pH- Wert	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	Äquiv.-Diff. (Kat.-An.)	Ionenbilanz DVWK-Regel 128/1992 (%)	Ionenbilanz Kat%-An% (%)	Ionen- Anzahl bestimmt	Anzahl (Ca/Mg/ HCO ₃ /SO ₄)	Kat. 1	Kat. 2	Kat. 3	Kat. 4
36-12-1-K	960422	13:45	220.0	5.6	8.11	2.25	2.36	4.60	-0.11	-4.90	-2.45	8	4		2	3	
36-12-2-AA	960830	12:30	184.5	6.3	8.22	2.19	2.07	4.26	0.12	5.73	2.86	8	4			3	
36-12-2-AA	970708	14:15	171.0	4.3		0.62	1.82	2.44	-1.20	-98.64	-49.32	8	4				4
36-12-2-AB	960830	13:30	268.0	9.7	8.39	3.05	2.99	6.04	0.06	2.00	1.00	8	4		2	3	
36-12-2-AB	970708	15:15	209.0	7.0		1.84	2.22	4.06	-0.38	-18.70	-9.35	8	4				4
36-12-2-AE	960423	13:00	228.0	6.5	8.18	1.70	2.53	4.23	-0.83	-39.42	-19.71	8	4				4
36-12-2-AE	960830	15:30	295.2	8.8	7.65	3.24	3.32	6.57	-0.08	-2.35	-1.17	8	4		2	3	
36-12-2-AE	961026	17:00	268.6	8.4	8.18	3.00	2.90	5.90	0.10	3.28	1.64	8	4		2	3	
36-12-2-AE	970415	11:50	211.0	5.7	7.90	1.96	1.10	3.06	0.86	55.93	27.97	8	4				4
36-12-2-AE	970708	17:00	215.0	8.1	8.17	1.75	2.37	4.12	-0.62	-30.28	-15.14	8	4				4
36-12-2-BAA	961026	12:30	205.6	6.8	7.90	2.25	2.21	4.46	0.04	1.71	0.86	8	4	1	2	3	
36-12-2-BAA	970228	12:15	224.0	7.2	8.07	2.39	2.38	4.78	0.01	0.48	0.24	8	4	1	2	3	
36-12-2-BAA	970418	14:00	217.0	7.0	8.25	2.21	2.37	4.57	-0.16	-7.14	-3.57	8	4			3	
36-12-2-BAB	961026	12:00	204.7	6.7	7.94	2.29	2.23	4.52	0.06	2.74	1.37	8	4		2	3	
36-12-2-BAB	961116	12:30	223.0	7.0	7.97	2.42	2.46	4.88	-0.04	-1.78	-0.89	8	4	1	2	3	
36-12-2-BAB	970228	11:45	226.0	7.0	8.10	2.38	2.40	4.78	-0.02	-0.90	-0.45	8	4	1	2	3	
36-12-2-BAB	970418	13:30	224.0	7.1	8.22	2.33	2.44	4.76	-0.11	-4.74	-2.37	8	4		2	3	
36-12-2-BAB	970710	09:00	212.0	6.8	8.15	2.19	2.29	4.49	-0.10	-4.47	-2.23	8	4		2	3	
36-12-2-BAC	961026	14:00	265.7	7.7	8.12	2.93	2.89	5.83	0.04	1.53	0.77	8	4	1	2	3	
36-12-2-BAC	961116	13:20	265.0	7.7	8.00	2.89	2.81	5.69	0.08	2.72	1.36	8	4		2	3	
36-12-2-BAC	970228	13:50	242.0	7.7	7.99	2.57	2.59	5.15	-0.02	-0.88	-0.44	8	4	1	2	3	
36-12-2-BAC	970418	12:30	243.0	7.7	8.23	2.48	2.59	5.06	-0.11	-4.41	-2.21	8	4		2	3	
36-12-2-BAC	970710	09:45	256.0	7.8	8.25	2.64	2.78	5.42	-0.14	-5.34	-2.67	8	4			3	
36-12-2-BAD	961026	13:30	303.1	8.0	8.32	3.39	3.33	6.72	0.06	1.84	0.92	8	4	1	2	3	
36-12-2-BAD	970228	13:30	273.0	7.9	8.22	2.93	2.93	5.86	0.00	0.04	0.02	8	4	1	2	3	
36-12-2-BAD	970418	12:45	268.0	7.6	8.40	2.80	2.88	5.68	-0.08	-2.68	-1.34	8	4		2	3	
36-12-2-BAF	961026	11:30	288.3	7.0	8.19	3.16	3.13	6.30	0.03	0.89	0.45	8	4	1	2	3	
36-12-2-BAF	961116	13:00	301.0	7.4	8.03	3.29	3.24	6.53	0.05	1.62	0.81	8	4	1	2	3	
36-12-2-BAF	970228	12:50	269.0	7.4	8.15	2.84	2.93	5.78	-0.09	-3.08	-1.54	8	4		2	3	
36-12-2-BAF	970418	13:10	265.0	7.5	8.33	2.76	2.90	5.66	-0.13	-4.69	-2.34	8	4		2	3	
36-12-2-BAF	970710	09:30	280.0	7.0	8.35	2.95	3.06	6.01	-0.11	-3.65	-1.83	8	4		2	3	
36-12-2-BAG	961026	16:00	319.8	6.6	8.30	3.51	3.39	6.91	0.12	3.58	1.79	8	4		2	3	
36-12-2-BAG	961116	14:15	320.0	6.9	8.13	3.65	3.49	7.14	0.16	4.37	2.18	8	4		2	3	
36-12-2-BAH	961116	15:30	179.0	5.9	7.93	2.02	1.86	3.88	0.16	8.25	4.13	8	4		2	3	
36-12-2-BAH	970418	16:00	207.0	6.5	8.30	2.12	2.17	4.29	-0.05	-2.40	-1.20	8	4		2	3	
36-12-2-BAH	970710	11:00	182.4	6.0	8.27	1.83	1.84	3.67	0.00	-0.19	-0.10	8	4	1	2	3	
36-12-2-BAI	961026	10:30	250.9	6.2	8.16	2.69	2.65	5.34	0.04	1.45	0.72	8	4	1	2	3	
36-12-2-BAJ	961026	16:15															4
36-12-2-BAJ	961116	16:15	279.0	8.1	8.25	3.12	3.11	6.23	0.01	0.35	0.17	8	4		2	3	
36-12-2-BAJ	970228	14:45	255.0	8.2	8.19	2.69	2.86	5.55	-0.16	-5.77	-2.89	8	4			3	
36-12-2-BAJ	970418	11:00	243.0	8.0	8.40	2.37	2.58	4.95	-0.21	-8.41	-4.20	8	4			3	

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Quellen

Feldparameter & Ionenbilanz

Kurz-Bez.	Entnahme JJMMTT	Uhrzeit hhmm	El. Leitf. (µS/cm b. 25 °C)	Temp. (° C)	pH- Wert	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	Äquiv.-Diff. (Kat.-An.)	Ionenbilanz DVWK-Regel 128/1992 (%)	Ionenbilanz Kat%-An% (%)	Ionen- Anzahl bestimmt	Anzahl (Ca/Mg/ HCO ₃ /SO ₄)	Kat. 1	Kat. 2	Kat. 3	Kat. 4
36-12-2-BAJ	970710	11:00	276.0	8.1	8.26	3.00	3.00	6.00	0.00	0.15	0.07	8	4	1	2	3	
36-12-2-BD	960124		220.0	6.8	8.17	1.89	2.56	4.46	-0.67	-29.91	-14.96	8	4				4
36-12-2-BD	960421	18:15	187.0	6.2	7.89	1.87	1.94	3.81	-0.07	-3.80	-1.90	8	4	1	2	3	
36-12-2-BD	960421	21:00	186.0	6.3	7.94	1.42	1.93	3.35	-0.50	-30.00	-15.00	8	4				4
36-12-2-BD	960422		185.0	6.1	7.98	1.89	1.93	3.81	-0.04	-2.28	-1.14	8	4	1	2	3	
36-12-2-BD	960422	03:00	185.0	6.0	8.01	2.10	1.96	4.06	0.15	7.27	3.63	8	4		2	3	
36-12-2-BD	960422	06:00	183.0	5.9	8.03	1.82	1.91	3.73	-0.08	-4.50	-2.25	8	4	1	2	3	
36-12-2-BD	960422	09:00	181.0	5.9	8.17	1.88	1.89	3.77	-0.01	-0.50	-0.25	8	4	1	2	3	
36-12-2-BD	960422	12:00	181.0	6.0	8.07	1.26	1.85	3.11	-0.59	-37.89	-18.95	8	4				4
36-12-2-BD	960422	15:00	180.4	6.0	8.04	1.13	1.84	2.97	-0.71	-47.76	-23.88	8	4				4
36-12-2-BD	960422	18:00	179.3	6.0	8.08	1.26	1.85	3.11	-0.59	-38.01	-19.01	8	4				4
36-12-2-BD	960422	21:00	177.9	6.0	8.06	1.64	1.82	3.46	-0.18	-10.15	-5.07	8	4				4
36-12-2-BD	960423		176.8	6.0	8.24	1.63	1.84	3.48	-0.21	-12.07	-6.03	8	4				4
36-12-2-BD	960423	03:00	176.4	5.8	8.25	1.72	1.90	3.62	-0.17	-9.66	-4.83	8	4		2	3	
36-12-2-BD	960423	06:00	175.4	5.9	8.24	1.25	1.82	3.07	-0.57	-37.39	-18.70	8	4				4
36-12-2-BD	960423	09:00	174.4	5.9	8.22	1.78	1.74	3.52	0.04	2.39	1.19	8	4	1	2	3	
36-12-2-BD	960423	12:00	173.7	5.9	8.19	1.76	1.73	3.50	0.03	1.69	0.85	8	4	1	2	3	
36-12-2-BD	960423	15:00	173.1	5.9	8.14	1.81	1.76	3.57	0.05	2.52	1.26	8	4	1	2	3	
36-12-2-BD	960423	18:00	172.4	5.9	8.10	1.70	1.79	3.49	-0.09	-5.04	-2.52	8	4		2	3	
36-12-2-BD	960423	21:00	169.9	5.9	8.17	1.37	1.77	3.14	-0.40	-25.25	-12.62	8	4				4
36-12-2-BD	960424		169.9	5.8	8.18	1.60	1.78	3.38	-0.18	-10.36	-5.18	8	4				4
36-12-2-BD	960424	03:00	169.9	5.7	8.25	1.94	1.78	3.72	0.17	8.98	4.49	8	4		2	3	
36-12-2-BD	960424	06:00	168.9	5.7	8.24	1.81	1.77	3.59	0.04	2.16	1.08	8	4	1	2	3	
36-12-2-BD	960424	09:00	168.7	5.7	8.21	1.60	1.73	3.33	-0.14	-8.12	-4.06	8	4		2	3	
36-12-2-BD	960424	12:00	167.7	5.7	8.17	1.33	1.75	3.08	-0.43	-27.70	-13.85	8	4				4
36-12-2-BD	960424	15:00	166.8	5.7	8.13	1.59	1.69	3.28	-0.10	-6.29	-3.15	8	4		2	3	
36-12-2-BD	960424	18:00	165.9	5.7	8.18	1.66	1.75	3.41	-0.09	-5.23	-2.62	8	4		2	3	
36-12-2-BD	960503		160.0	5.7	8.26	1.62	1.68	3.30	-0.06	-3.63	-1.82	8	4	1	2	3	
36-12-2-BD	960710	13:00	190.0	5.9	8.18	1.84	2.00	3.84	-0.16	-8.47	-4.24	8	4		2	3	
36-12-2-BD	960826	18:45	214.0	6.2	8.04	1.38	2.31	3.69	-0.93	-50.59	-25.30	8	4				4
36-12-2-BD	960827	18:00	209.0	6.4	7.76	2.28	2.25	4.53	0.03	1.18	0.59	8	4	1	2	3	
36-12-2-BD	960827	21:00	209.0	6.4	7.83												4
36-12-2-BD	960828		209.0	6.4	7.88	2.21	2.31	4.53	-0.10	-4.43	-2.22	8	4		2	3	
36-12-2-BD	960828	03:00	209.0	6.4	7.83												4
36-12-2-BD	960828	06:00	210.0	6.4	7.87	1.89	2.31	4.19	-0.42	-19.91	-9.96	8	4				4
36-12-2-BD	960828	09:00	210.0	6.4	7.81	1.93	2.33	4.26	-0.39	-18.43	-9.22	8	4				4
36-12-2-BD	960828	12:00	210.0	6.4	7.78	1.95	2.26	4.21	-0.31	-14.87	-7.44	8	4				4
36-12-2-BD	960828	15:00	211.0	6.4	7.97	1.70	2.27	3.97	-0.56	-28.35	-14.18	8	4				4
36-12-2-BD	960828	18:00	207.0	6.4	7.87	1.98	2.22	4.21	-0.24	-11.46	-5.73	8	4				4
36-12-2-BD	960828	21:00	199.7	6.2	7.95	1.92	2.16	4.08	-0.24	-11.66	-5.83	8	4				4
36-12-2-BD	960829		203.0	6.2	8.01	1.78	2.22	4.00	-0.43	-21.54	-10.77	8	4				4

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Ionenbilanz

Kurz-Bez.	Entnahme JJMMTT	Uhrzeit hhmm	El. Leitf. (µS/cm b. 25 °C)	Temp. (° C)	pH- Wert	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	Äquiv.-Diff. (Kat.-An.)	Ionenbilanz DVWK-Regel 128/1992 (%)	Ionenbilanz Kat%-An% (%)	Ionen- Anzahl bestimmt	Anzahl (Ca/Mg/ HCO ₃ /SO ₄)	Kat. 1	Kat. 2	Kat. 3	Kat. 4
36-12-2-BD	960829	03:00	205.0	6.2	7.89	1.91	2.20	4.11	-0.29	-14.07	-7.03	8	4				4
36-12-2-BD	960829	06:00	205.0	6.2	7.90	1.79	2.22	4.01	-0.42	-21.18	-10.59	8	4				4
36-12-2-BD	960829	09:00	205.0	6.2	8.00	1.91	2.31	4.22	-0.39	-18.69	-9.35	8	4				4
36-12-2-BD	960829	12:00	205.0	6.2	7.94	2.17	2.23	4.40	-0.05	-2.48	-1.24	8	4		2	3	
36-12-2-BD	960829	15:00	203.0	6.2	7.96	2.14	2.22	4.36	-0.08	-3.59	-1.79	8	4		2	3	
36-12-2-BD	960829	18:00	205.0	6.2	8.06	2.08	2.21	4.29	-0.13	-6.02	-3.01	8	4			3	
36-12-2-BD	960829	21:00	205.0	6.2	8.03												4
36-12-2-BD	960830		205.0	6.1	8.09	2.10	2.20	4.30	-0.10	-4.44	-2.22	8	4		2	3	
36-12-2-BD	960830	03:00	206.0	6.2	8.04												4
36-12-2-BD	960830	06:00	209.0	6.2	8.08	2.25	2.26	4.51	-0.01	-0.42	-0.21	8	4	1	2	3	
36-12-2-BD	960830	09:00	210.0	6.2	8.06												4
36-12-2-BD	960830	12:00	211.0	6.2	7.93	2.25	2.27	4.52	-0.02	-1.00	-0.50	8	4	1	2	3	
36-12-2-BD	960830	15:00	211.0	6.3	8.02												4
36-12-2-BD	961026	17:30	179.1	6.1	8.03	1.93	2.36	4.29	-0.43	-20.08	-10.04	8	4				4
36-12-2-BD	961116	16:45	189.0	6.0	7.97	2.10	1.96	4.06	0.14	6.82	3.41	8	4		2	3	
36-12-2-BD	970225	16:30	211.0	6.7	7.95	2.42	2.22	4.64	0.20	8.50	4.25	8	4			3	
36-12-2-BD	970414	15:00	207.0	6.5	7.97	2.08	2.22	4.30	-0.14	-6.34	-3.17	8	4			3	
36-12-2-BD	970414	18:00	207.0	6.5	7.95	2.15	2.22	4.37	-0.07	-3.12	-1.56	8	4		2	3	
36-12-2-BD	970414	21:00	208.0	6.5	7.98	2.12	2.20	4.31	-0.08	-3.81	-1.90	8	4		2	3	
36-12-2-BD	970415		209.0	6.5	7.96	2.12	2.21	4.34	-0.09	-4.21	-2.10	8	4		2	3	
36-12-2-BD	970415	03:00	209.0	6.4	7.94	2.18	2.28	4.46	-0.11	-4.82	-2.41	8	4		2	3	
36-12-2-BD	970415	06:00	210.0	6.5	7.96	2.19	2.26	4.45	-0.07	-2.93	-1.46	8	4		2	3	
36-12-2-BD	970415	09:00	214.0	6.5	7.92	2.18	2.26	4.44	-0.08	-3.82	-1.91	8	4		2	3	
36-12-2-BD	970415	12:00	214.0	6.4	7.93	2.23	2.34	4.58	-0.11	-4.91	-2.46	8	4		2	3	
36-12-2-BD	970415	15:00	212.0	6.5	7.94	2.45	2.29	4.74	0.15	6.53	3.26	8	4			3	
36-12-2-BD	970415	18:00	212.0	6.5	7.93	2.18	2.27	4.45	-0.09	-3.89	-1.94	8	4		2	3	
36-12-2-BD	970415	21:00	212.0	6.4	7.87	2.17	2.28	4.45	-0.12	-5.26	-2.63	8	4			3	
36-12-2-BD	970416		212.0	6.4	7.91	2.19	2.26	4.45	-0.06	-2.92	-1.46	8	4		2	3	
36-12-2-BD	970416	06:00	190.7	6.5	7.90	0.89	2.25	3.13	-1.36	-86.83	-43.41	8	4				4
36-12-2-BD	970416	12:00	190.1	6.6	7.86	2.14	2.26	4.41	-0.12	-5.35	-2.68	8	4			3	
36-12-2-BD	970416	18:00	189.8	6.7	7.92	2.18	2.30	4.48	-0.13	-5.62	-2.81	8	4			3	
36-12-2-BD	970417		189.6	6.7	7.94	2.17	2.27	4.44	-0.11	-4.76	-2.38	8	4			3	
36-12-2-BD	970417	06:00	189.7	6.7	7.93	1.84	2.28	4.12	-0.44	-21.30	-10.65	8	4				4
36-12-2-BD	970417	12:00	190.1	6.6	7.95	2.21	2.26	4.48	-0.05	-2.21	-1.10	8	4			3	
36-12-2-BD	970417	18:00	190.1	6.6	7.96	2.16	2.29	4.46	-0.13	-5.82	-2.91	8	4			3	
36-12-2-BD	970418	08:00	190.1	6.7	7.97	2.18	2.27	4.45	-0.09	-4.10	-2.05	8	4			3	
36-12-2-BD	970418	17:00	191.0	6.7	8.03	2.59	2.28	4.86	0.31	12.76	6.38	8	4				4
36-12-2-BD	970513	12:10	155.7	5.8	8.23	1.62	1.72	3.34	-0.09	-5.67	-2.83	8	4		2	3	
36-12-2-BD	970705	15:00	185.4	6.0	8.26	1.87	2.07	3.94	-0.19	-9.70	-4.85	8	4		2	3	
36-12-2-BD	970705	18:00	185.6	6.0	8.31	1.92	2.00	3.91	-0.08	-4.22	-2.11	8	4	1	2	3	
36-12-2-BD	970705	21:00	183.5	5.9	8.30	1.87	1.97	3.84	-0.10	-5.00	-2.50	8	4		2	3	

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Ionenbilanz

Kurz-Bez.	Entnahme JJMMTT	Uhrzeit hhmm	El. Leitf. (µS/cm b. 25 °C)	Temp. (° C)	pH- Wert	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	Äquiv.-Diff. (Kat.-An.)	Ionenbilanz DVWK-Regel 128/1992 (%)	Ionenbilanz Kat%-An% (%)	Ionen- Anzahl bestimmt	Anzahl (Ca/Mg/ HCO ₃ /SO ₄)	Kat. 1	Kat. 2	Kat. 3	Kat. 4
36-12-2-BD	970706		182.1	5.9	8.30	1.89	2.04	3.92	-0.15	-7.51	-3.76	8	4		2	3	
36-12-2-BD	970706	03:00	197.0	6.1	8.27	2.00	2.12	4.12	-0.11	-5.49	-2.74	8	4			3	
36-12-2-BD	970706	06:00	213.0	6.9	8.19	2.22	2.28	4.51	-0.06	-2.60	-1.30	8	4		2	3	
36-12-2-BD	970706	09:00	200.0	6.7	8.22	2.06	2.24	4.29	-0.18	-8.42	-4.21	8	4			3	
36-12-2-BD	970706	12:00	189.4	6.4	8.25	1.97	2.24	4.21	-0.27	-12.73	-6.36	8	4				4
36-12-2-BD	970706	15:00	178.7	6.2	8.28	1.84	1.94	3.77	-0.10	-5.31	-2.66	8	4		2	3	
36-12-2-BD	970706	18:00	175.5	6.1	8.20	1.92	1.88	3.80	0.03	1.67	0.84	8	4	1	2	3	
36-12-2-BD	970706	21:00	175.9	6.0	8.19	1.79	1.93	3.72	-0.14	-7.35	-3.68	8	4		2	3	
36-12-2-BD	970707		175.5	6.1	8.14	1.81	1.90	3.71	-0.08	-4.47	-2.23	8	4	1	2	3	
36-12-2-BD	970707	03:00	175.0	5.9	8.17	2.11	1.88	3.99	0.23	11.60	5.80	8	4				4
36-12-2-BD	970707	06:00	174.1	5.9	8.11	1.79	1.91	3.71	-0.12	-6.74	-3.37	8	4		2	3	
36-12-2-BD	970707	09:00	175.1	5.9	8.14	1.82	1.88	3.70	-0.06	-3.44	-1.72	8	4	1	2	3	
36-12-2-BD	970707	12:00	178.2	6.0	8.14	1.81	1.90	3.72	-0.09	-4.89	-2.44	8	4	1	2	3	
36-12-2-BD	970707	15:00	192.5	6.6	8.11	1.97	2.09	4.06	-0.12	-6.04	-3.02	8	4		2	3	
36-12-2-BD	970707	18:00	184.3	6.5	8.13	1.90	2.03	3.94	-0.13	-6.81	-3.40	8	4		2	3	
36-12-2-BD	970707	21:00	179.0	6.4	8.10	1.92	1.97	3.89	-0.05	-2.60	-1.30	8	4	1	2	3	
36-12-2-BD	970708		174.5	6.3	8.15	1.82	1.95	3.76	-0.13	-7.03	-3.51	8	4		2	3	
36-12-2-BD	970708	03:00	173.2	6.3	8.16	1.79	2.06	3.85	-0.27	-13.88	-6.94	8	4				4
36-12-2-BD	970708	06:00	174.1	6.3	8.12	1.80	1.94	3.75	-0.14	-7.39	-3.70	8	4		2	3	
36-12-2-BD	970708	09:00	172.5	6.1	8.09	1.81	1.83	3.64	-0.02	-0.93	-0.46	8	4	1	2	3	
36-12-2-BD	970708	12:00	174.9	6.3	8.13	1.83	1.90	3.73	-0.07	-4.00	-2.00	8	4	1	2	3	
36-12-2-BD	970708	15:00	173.2	6.3	8.06	1.84	1.90	3.74	-0.06	-3.21	-1.61	8	4	1	2	3	
36-12-2-BD	970708	18:00	175.1	6.2	8.20	1.99	1.86	3.84	0.13	6.75	3.38	8	4		2	3	
36-12-2-BD	970708	21:00	175.4	6.3	8.16	1.78	1.89	3.66	-0.11	-6.05	-3.02	8	4		2	3	
36-12-2-BD	970709		175.0	6.3	8.17	1.35	1.91	3.26	-0.56	-34.18	-17.09	8	4				4
36-12-2-BD	970709	03:00	175.1	6.1	8.20	1.31	1.89	3.19	-0.58	-36.39	-18.19	8	4				4
36-12-2-BD	970709	06:00	176.2	5.9	8.24	1.80	1.93	3.74	-0.13	-7.02	-3.51	8	4		2	3	
36-12-2-BD	970709	12:00	177.8	6.1	8.19	1.85	1.93	3.77	-0.08	-4.27	-2.13	8	4	1	2	3	
36-12-2-BD	970709	18:00	180.5	6.1	8.21	1.84	1.94	3.78	-0.10	-5.53	-2.76	8	4		2	3	
36-12-2-BD	970710		181.6	6.3	8.21	1.90	1.96	3.86	-0.06	-3.33	-1.66	8	4	1	2	3	
36-12-2-BD	970710	06:00	183.0	6.1	8.20	1.89	1.93	3.81	-0.04	-2.04	-1.02	8	4	1	2	3	
36-12-2-BD	970710	12:00	182.8	6.2	8.24	1.97	1.98	3.95	-0.01	-0.45	-0.22	8	4	1	2	3	
36-12-2-BD	970710	18:00	184.6	6.0	8.20	1.19	2.04	3.23	-0.85	-52.83	-26.42	8	4				4
36-12-2-BD	970711		182.0	6.1	8.19	1.44	2.23	3.67	-0.79	-42.84	-21.42	8	4				4
36-12-2-BD	970711	06:00	182.1	6.0	8.17	2.01	1.98	3.99	0.03	1.36	0.68	8	4	1	2	3	
36-12-2-BD	970711	12:00	182.7	6.4	8.17	0.96	1.96	2.92	-0.99	-68.12	-34.06	8	4				4
36-12-2-BD	970711	18:00	182.6	6.4	8.12	1.44	1.97	3.41	-0.53	-30.83	-15.42	8	4				4
36-12-2-BD	970819	19:00	195.0	6.1	8.19	2.62	2.13	4.75	0.49	20.71	10.35	8	4				4
36-12-2-BF	960422	11:40															4
36-12-2-BF	970414	18:00	210.0	6.6	8.00												4
36-12-2-BF	970415	09:00	216.0	6.7	7.99												4

NATIONALPARK KALKALPEN

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Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

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Feldparameter & Ionenbilanz

Kurz-Bez.	Entnahme JUMTT	Uhrzeit hhmm	El. Leitf. (µS/cm b. 25 °C)	Temp. (° C)	pH- Wert	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	Äquiv.-Diff. (Kat.-An.)	Ionenbilanz DVWK-Regel 128/1992 (%)	Ionenbilanz Kat%-An% (%)	Ionen- Anzahl bestimmt	Anzahl (Ca/Mg/ HCO ₃ /SO ₄)	Kat. 1	Kat. 2	Kat. 3	Kat. 4
36-12-2-BF	970415	15:13															4
36-12-2-BF	970415	18:00	216.0	6.7	7.90												4
36-12-2-BF	970416	12:00	194.0	6.7	7.84												4
36-12-2-BF	970416	18:00	194.0	6.7	7.89												4
36-12-2-BF	970708	14:40															4
36-12-2-BF	980108		214.0	6.7	8.13												4
36-17-A	960710	11:30	367.0	9.3	7.71	3.22	4.03	7.25	-0.81	-22.40	-11.20	8	4				4
36-17-A	961024	18:00	366.0	9.3	7.57	3.99	4.05	8.03	-0.06	-1.42	-0.71	8	4	1	2	3	
36-17-A	970225	11:30	368.0	9.3	7.55	4.11	4.05	8.16	0.05	1.29	0.65	8	4	1	2	3	
36-17-A	970513	11:15	364.2	9.4	7.77	4.12	4.04	8.17	0.08	2.04	1.02	8	4		2	3	
36-17-A	970819	11:00	365.0	9.3	7.74		3.58	3.58				1	1				4
37-03-JB	960123		308.0	4.7	8.20	2.50	3.62	6.12	-1.12	-36.46	-18.23	8	4				4
37-03-JB	960504		259.0	4.9	8.17	2.55	2.81	5.35	-0.26	-9.76	-4.88	8	4			3	
37-03-JB	960711		293.0	8.2	8.17	2.84	3.23	6.07	-0.39	-12.93	-6.46	8	4				4
37-03-JB	961022	12:40	250.9	8.4	8.40	2.82	2.72	5.54	0.10	3.54	1.77	8	4		2	3	
37-03-JB	970226	13:00	271.0	4.2	8.16	3.04	2.97	6.01	0.07	2.20	1.10	8	4		2	3	
37-03-JB	970515	10:15	260.0	5.5	8.35	2.91	2.90	5.80	0.01	0.26	0.13	8	4	1	2	3	
37-03-JB	970820	10:30	312.0	9.2	8.12	3.38	4.07	7.45	-0.69	-18.52	-9.26	8	4				4
37-04-E	960123																4
37-04-E	960504		181.0	5.0	8.03	1.90	1.95	3.85	-0.04	-2.25	-1.13	8	4	1	2	3	
37-04-E	960711	15:00	214.0	5.8	8.10	2.01	2.25	4.26	-0.24	-11.35	-5.68	8	4				4
37-04-E	961022	11:20	168.3	5.9	7.95	1.79	1.77	3.56	0.02	0.98	0.49	8	4	1	2	3	
37-04-E	970226	11:30	225.0	5.8	7.95	2.35	2.38	4.74	-0.03	-1.38	-0.69	8	4	1	2	3	
37-04-E	970515	11:15	159.0	4.9	8.27	1.73	1.81	3.54	-0.07	-4.14	-2.07	8	4		2	3	
37-04-E	970820	10:00															4
37-04-KB	960123		252.0	6.6	8.04	1.50	2.92	4.42	-1.42	-64.50	-32.25	8	4				4
37-04-KB	960504		239.0	6.4	7.91	2.22	2.53	4.75	-0.30	-12.82	-6.41	8	4				4
37-04-KB	960712	14:30	246.0	6.4	8.07	2.21	2.67	4.87	-0.46	-18.84	-9.42	8	4				4
37-04-KB	961022	12:10	255.8	7.0	7.89	2.71	2.75	5.46	-0.04	-1.40	-0.70	8	4	1	2	3	
37-04-KB	970226	12:30	263.0	6.9	7.77	2.82	2.83	5.65	0.00	-0.13	-0.06	8	4	1	2	3	
37-04-KB	970515	10:45	231.0	6.6	8.10	2.50	2.54	5.04	-0.04	-1.59	-0.79	8	4	1	2	3	
37-04-KB	970820	10:15	246.0	6.8	8.06	2.78	2.63	5.34	0.07	2.69	1.34	8	4		2	3	
37-09-AB	960123		276.0	6.5	7.49	2.52	3.67	6.18	-1.15	-37.18	-18.59	8	4				4
37-09-AB	960504		235.0	6.5	7.97	2.40	2.46	4.86	-0.06	-2.67	-1.33	8	4		2	3	
37-09-AB	960711	13:30	266.0	6.8	7.97	2.39	2.87	5.26	-0.49	-18.50	-9.25	8	4				4
37-09-AB	961022	14:00	227.3	8.9	7.76	2.44	2.40	4.84	0.05	1.88	0.94	8	4	1	2	3	
37-09-AB	970226	13:30	260.0	5.6	7.94	2.89	2.79	5.68	0.09	3.18	1.59	8	4		2	3	
37-09-AB	970515	09:30	236.0	6.7	8.08	2.44	2.59	5.03	-0.15	-5.95	-2.98	8	4			3	
37-09-AB	970820	11:30	286.0	6.7	7.93	3.11	3.07	6.18	0.04	1.17	0.59	8	4	1	2	3	
37-09-HB	960123																4
37-09-HB	960504		229.0	6.6	8.09	2.08	2.42	4.50	-0.34	-14.98	-7.49	8	4				4

NATIONALPARK KALKALPEN

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HYDROCHEMIE

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Feldparameter & Ionenbilanz

Kurz-Bez.	Entnahme JJMMTT	Uhrzeit hhmm	El. Leitf. ($\mu\text{S}/\text{cm}$ b. 25 °C)	Temp. (°C)	pH- Wert	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	Äquiv.-Diff. (Kat.-An.)	Ionenbilanz DVWK-Regel 128/1992 (%)	Ionenbilanz Kat%-An% (%)	Ionen- Anzahl bestimmt	Anzahl (Ca/Mg/ HCO_3/SO_4)	Kat. 1	Kat. 2	Kat. 3	Kat. 4
37-09-HB	960711	12:40	254.0	6.6	8.00	2.30	2.74	5.03	-0.44	-17.59	-8.80	8	4				4
37-09-HB	961022	14:30	228.3	6.5	7.89	2.50	2.43	4.93	0.07	2.75	1.38	8	4		2	3	
37-09-HB	970226	13:45	265.0	6.4	7.92	3.18	2.91	6.09	0.28	9.05	4.52	8	4			3	
37-09-HB	970515	08:45	228.0	6.5	8.17	2.35	2.45	4.80	-0.10	-4.22	-2.11	8	4		2	3	
37-10-ACC	960829	17:00	206.8	12.0	7.98	2.18	2.23	4.41	-0.04	-2.04	-1.02	8	4		2	3	
37-10-ACC	961025	14:00	242.0	5.3	7.75												4
37-10-ACC	970708	10:45	119.0	7.9	7.90	1.63	1.30	2.92	0.33	22.77	11.39	8	4				4
37-10-B	960828	15:00	250.5	4.0	8.19	2.82	2.69	5.51	0.13	4.82	2.41	8	4		2	3	
37-10-B	960828	18:00	255.4	4.0	8.09	2.85	2.72	5.57	0.13	4.74	2.37	8	4		2	3	
37-10-B	960829		238.9	3.9	8.34	2.68	2.59	5.28	0.09	3.36	1.68	8	4		2	3	
37-10-B	960829	06:00	239.9	4.0	8.39	2.71	2.54	5.25	0.16	6.18	3.09	8	4			3	
37-10-B	960829	18:00	244.7	3.9	8.29	2.73	2.60	5.33	0.12	4.66	2.33	8	4		2	3	
37-10-B	961025	15:00	184.0	2.8	7.88	1.97	1.88	3.85	0.10	4.94	2.47	8	4	1	2	3	
37-10-B	970708	09:50	183.0	2.4	8.35	1.22	1.95	3.17	-0.73	-46.17	-23.09	8	4				4
37-10-CB	960422	13:00	179.0	2.4	8.17	1.86	1.97	3.83	-0.11	-5.91	-2.96	8	4		2	3	
37-10-D	960422	13:45	200.0	3.1	8.16	1.90	2.20	4.10	-0.30	-14.73	-7.37	8	4				4
37-10-D	960829	19:00	300.1	8.2	7.67	3.34	3.31	6.65	0.03	0.84	0.42	8	4	1	2	3	
37-10-D	970416	11:30	243.0	2.0	8.06	2.45	1.20	3.65	1.25	68.38	34.19	8	4				4
37-10-H	960422	14:30	207.0	4.0	8.29	2.25	2.20	4.45	0.05	2.27	1.14	8	4		2	3	
37-10-H	960829	10:30	261.2	5.7	8.05	2.84	2.85	5.69	-0.01	-0.37	-0.19	8	4	1	2	3	
37-10-H	970416	12:30	224.0	3.7	8.20	2.28	1.21	3.50	1.07	61.30	30.65	8	4				4
37-10-H	970708	08:40	209.0	5.0	8.23	1.85	2.18	4.02	-0.33	-16.48	-8.24	8	4				4
37-10-J	960422	16:00	243.0	5.6	8.28	2.54	2.64	5.18	-0.10	-3.79	-1.90	8	4		2	3	
37-10-J	960829	11:30	286.5	7.1	7.97	3.17	3.18	6.36	-0.01	-0.24	-0.12	8	4	1	2	3	
37-10-J	970416	13:00	259.0	5.1	8.19	2.72	2.73	5.45	0.00	-0.18	-0.09	8	4	1	2	3	
37-10-J	970708	11:00	264.0	7.1	8.11	2.28	2.92	5.20	-0.64	-24.58	-12.29	8	4				4
37-12-AB	960123		313.0	6.4	8.09	2.29	3.57	5.85	-1.28	-43.70	-21.85	8	4				4
37-12-AB	960421	15:00	235.0	6.3	7.99												4
37-12-AB	960421	18:00	232.0	6.2	8.01	2.29	2.45	4.74	-0.16	-6.58	-3.29	8	4			3	
37-12-AB	960421	21:00	130.0	6.2	8.03	2.26	2.45	4.70	-0.19	-7.98	-3.99	8	4			3	
37-12-AB	960422		230.0	6.2	8.03	2.21	2.43	4.64	-0.22	-9.64	-4.82	8	4			3	
37-12-AB	960422	03:00	227.0	6.2	8.05	2.02	2.35	4.37	-0.33	-14.95	-7.48	8	4				4
37-12-AB	960422	06:00	224.0	6.2	8.01	2.33	2.35	4.68	-0.01	-0.62	-0.31	8	4	1	2	3	
37-12-AB	960422	09:00	224.0	6.2	8.00	2.31	2.37	4.68	-0.06	-2.56	-1.28	8	4		2	3	
37-12-AB	960422	12:00	225.0	6.2	8.03	2.37	2.38	4.75	-0.01	-0.39	-0.20	8	4	1	2	3	
37-12-AB	960422	15:00	225.0	6.2	8.01	2.38	2.37	4.75	0.01	0.49	0.24	8	4	1	2	3	
37-12-AB	960422	18:00	221.0	6.2	8.01	2.27	2.29	4.55	-0.02	-0.87	-0.43	8	4	1	2	3	
37-12-AB	960422	21:00	220.0	6.2	8.03	2.03	2.34	4.37	-0.31	-14.17	-7.09	8	4				4
37-12-AB	960423		220.0	6.2	8.02	1.80	2.38	4.18	-0.58	-27.78	-13.89	8	4				4
37-12-AB	960423	03:00	217.0	6.2	8.01	1.72	2.28	3.99	-0.56	-27.91	-13.96	8	4				4
37-12-AB	960423	06:00	217.0	6.2	7.99	1.71	2.27	3.98	-0.56	-27.96	-13.98	8	4				4

NATIONALPARK KALKALPEN

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Feldparameter & Ionenbilanz

Kurz-Bez.	Entnahme JMMTT	Uhrzeit hhmm	El. Leitf. ($\mu\text{S}/\text{cm}$ b. 25 °C)	Temp. (°C)	pH- Wert	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	Äquiv.-Diff. (Kat.-An.)	Ionenbilanz DVWK-Regel 128/1992 (%)	Ionenbilanz Kat%-An% (%)	Ionen- Anzahl bestimmt	Anzahl (Ca/Mg/ HCO_3/SO_4)	Kat. 1	Kat. 2	Kat. 3	Kat. 4
37-12-AB	960423	09:00	216.0	6.2	8.03	1.91	2.21	4.12	-0.30	-14.57	-7.29	8	4				4
37-12-AB	960423	12:00	215.0	6.2	8.00	1.50	2.27	3.77	-0.76	-40.55	-20.28	8	4				4
37-12-AB	960423	15:00	214.0	6.2	7.98	1.70	2.26	3.96	-0.55	-27.93	-13.97	8	4				4
37-12-AB	960423	18:00	212.0	6.1	8.01	2.04	2.20	4.24	-0.16	-7.52	-3.76	8	4			3	
37-12-AB	960423	21:00	212.0	6.1	8.05	2.01	2.23	4.24	-0.22	-10.60	-5.30	8	4				4
37-12-AB	960424		212.0	6.2	8.02	1.71	2.19	3.90	-0.49	-25.03	-12.52	8	4				4
37-12-AB	960424	03:00	208.0	6.1	7.99	1.96	2.22	4.18	-0.26	-12.49	-6.25	8	4				4
37-12-AB	960424	06:00	206.0	6.1	8.00	1.44	2.16	3.60	-0.71	-39.65	-19.82	8	4				4
37-12-AB	960424	09:00	205.0	6.2	7.97	1.92	2.15	4.07	-0.24	-11.63	-5.82	8	4				4
37-12-AB	960424	12:00	205.0	6.2	8.00	2.10	2.15	4.25	-0.06	-2.61	-1.31	8	4		2	3	
37-12-AB	960424	15:00	203.0	6.2	7.94	1.53	2.15	3.67	-0.62	-33.90	-16.95	8	4				4
37-12-AB	960424	18:00	202.0	6.1	7.99	1.96	2.14	4.09	-0.18	-8.84	-4.42	8	4		2	3	
37-12-AB	960504		226.0	6.2	8.07	2.27	2.38	4.65	-0.11	-4.86	-2.43	8	4		2	3	
37-12-AB	960711	12:00	266.0	6.6	7.90	2.54	2.86	5.41	-0.32	-11.92	-5.96	8	4				4
37-12-AB	960826	20:15	310.0	7.1	7.83	2.40	3.35	5.74	-0.95	-33.16	-16.58	8	4				4
37-12-AB	960827	18:00	305.0	7.1	7.68	3.95	3.34	7.30	0.61	16.76	8.38	8	4				4
37-12-AB	960827	21:00	306.0	7.1	7.64												4
37-12-AB	960828		307.0	7.1	7.72	3.41	3.35	6.76	0.06	1.73	0.87	8	4	1	2	3	
37-12-AB	960828	03:00	307.0	7.1	7.70		1.00	1.00				1	1				4
37-12-AB	960828	06:00	306.0	7.1	7.72	3.36	3.33	6.69	0.03	0.84	0.42	8	4	1	2	3	
37-12-AB	960828	09:00	305.0	7.1	7.73												4
37-12-AB	960828	12:00	307.0	7.1	7.72	3.34	3.39	6.73	-0.04	-1.24	-0.62	8	4	1	2	3	
37-12-AB	960828	15:00	307.0	7.1	7.75	3.23	3.38	6.61	-0.15	-4.67	-2.34	8	4		2	3	
37-12-AB	960828	18:00	273.0	6.8	7.73	2.94	2.96	5.90	-0.02	-0.84	-0.42	8	4	1	2	3	
37-12-AB	960828	21:00	276.0	6.7	7.77	3.10	2.97	6.06	0.13	4.17	2.09	8	4		2	3	
37-12-AB	960829		280.0	6.7	7.76	3.07	3.03	6.10	0.03	1.07	0.54	8	4	1	2	3	
37-12-AB	960829	03:00	284.0	6.8	7.72	2.91	3.10	6.01	-0.20	-6.53	-3.26	8	4			3	
37-12-AB	960829	06:00	285.0	6.8	7.77	3.21	3.11	6.31	0.10	3.11	1.55	8	4		2	3	
37-12-AB	960829	09:00	284.0	6.9	7.77	3.21	3.07	6.28	0.15	4.65	2.33	8	4		2	3	
37-12-AB	960829	12:00	283.0	6.9	7.78	3.13	3.06	6.20	0.07	2.22	1.11	8	4		2	3	
37-12-AB	960829	15:00	280.0	7.0	7.79	2.80	3.05	5.85	-0.25	-8.66	-4.33	8	4			3	
37-12-AB	960829	18:00	279.0	7.1	7.73	3.13	3.06	6.19	0.07	2.30	1.15	8	4		2	3	
37-12-AB	960829	21:00	280.0	7.1	7.79												4
37-12-AB	960830		281.0	7.3	7.81	3.06	3.08	6.13	-0.02	-0.55	-0.28	8	4	1	2	3	
37-12-AB	960830	03:00	283.0	7.4	7.81												4
37-12-AB	960830	06:00	284.0	7.3	7.79	3.14	3.11	6.25	0.03	0.95	0.47	8	4	1	2	3	
37-12-AB	960830	09:00	285.0	7.4	7.81												4
37-12-AB	960830	12:00	286.0	7.4	7.80	3.23	3.15	6.38	0.07	2.33	1.16	8	4		2	3	
37-12-AB	960830	15:00	288.0	7.3	7.77												4
37-12-AB	961022	10:30	228.3	6.8	7.71	2.54	2.46	5.00	0.08	3.06	1.53	8	4		2	3	
37-12-AB	961025	17:45	303.0	6.9	7.78	3.31	3.30	6.62	0.01	0.31	0.15	8	4	1	2	3	

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Feldparameter & Ionenbilanz

Kurz-Bez.	Entnahme JUMTT	Uhrzeit hhmm	El. Leitf. ($\mu\text{S}/\text{cm}$ b. 25 °C)	Temp. (°C)	pH- Wert	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	Äquiv.-Diff. (Kat.-An.)	Ionenbilanz DVWK-Regel 128/1992 (%)	Ionenbilanz Kat%-An% (%)	Ionen- Anzahl bestimmt	Anzahl (Ca/Mg/ HCO_3/SO_4)	Kat. 1	Kat. 2	Kat. 3	Kat. 4
37-12-AB	970226	14:15	267.0	6.4	7.88	2.94	2.90	5.85	0.04	1.50	0.75	8	4	1	2	3	
37-12-AB	970414	15:00	243.0	6.3	7.88	3.07	2.98	6.04	0.09	2.85	1.43	8	4			3	
37-12-AB	970414	18:00	246.0	6.3	7.88	2.93	3.01	5.94	-0.08	-2.55	-1.28	8	4			3	
37-12-AB	970414	21:00	247.0	6.3	7.92	2.93	3.02	5.94	-0.09	-3.09	-1.55	8	4			3	
37-12-AB	970415		247.0	6.3	7.90	3.00	3.01	6.01	-0.02	-0.60	-0.30	8	4			3	
37-12-AB	970415	03:00	248.0	6.3	7.88	2.98	3.00	5.99	-0.02	-0.79	-0.40	8	4			3	
37-12-AB	970415	06:00	249.0	6.3	7.88	2.99	3.01	6.00	-0.02	-0.80	-0.40	8	4			3	
37-12-AB	970415	09:00	252.0	6.3	7.91	3.02	3.06	6.08	-0.04	-1.45	-0.72	8	4			3	
37-12-AB	970415	12:00	256.0	6.4	7.82	3.05	3.11	6.16	-0.06	-1.88	-0.94	8	4			3	
37-12-AB	970415	15:00	251.0	6.4	7.87	3.00	3.11	6.11	-0.11	-3.75	-1.88	8	4			3	
37-12-AB	970415	18:00	253.0	6.4	7.87	3.00	3.01	6.01	-0.01	-0.37	-0.19	8	4			3	
37-12-AB	970415	21:00	254.0	6.4	7.87	3.27	3.10	6.37	0.17	5.34	2.67	8	4			3	
37-12-AB	970416		251.0	6.4	7.88	2.98	3.15	6.13	-0.18	-5.71	-2.86	8	4			3	
37-12-AB	970416	06:00	248.0	6.4	7.80	3.00	3.01	6.01	-0.01	-0.46	-0.23	8	4			3	
37-12-AB	970416	12:00	246.0	6.4	7.87	2.93	2.95	5.88	-0.02	-0.69	-0.35	8	4			3	
37-12-AB	970416	18:00	245.0	6.4	7.88	3.03	2.94	5.98	0.09	3.11	1.55	8	4			3	
37-12-AB	970417		249.0	6.4	7.88	2.95	3.01	5.97	-0.06	-2.04	-1.02	8	4			3	
37-12-AB	970417	06:00	252.0	6.4	7.88	2.96	3.09	6.05	-0.13	-4.42	-2.21	8	4			3	
37-12-AB	970417	12:00	254.0	6.4	7.86	3.00	3.08	6.08	-0.08	-2.67	-1.34	8	4			3	
37-12-AB	970417	19:30	257.0	6.4	7.87	3.08	3.18	6.26	-0.10	-3.13	-1.56	8	4			3	
37-12-AB	970418	08:15	260.0	6.4	7.86	2.67	1.20	3.87	1.47	76.27	38.14	8	4				4
37-12-AB	970418	19:30	260.0	6.4	7.86	3.02	3.19	6.20	-0.17	-5.47	-2.74	8	4			3	
37-12-AB	970514	19:30	186.0	5.9	8.09	1.86	2.03	3.89	-0.17	-8.68	-4.34	8	4		2	3	
37-12-AB	970705	15:00	306.0	6.9	7.79	3.12	3.43	6.55	-0.31	-9.32	-4.66	8	4			3	
37-12-AB	970705	18:00	307.0	6.9	7.72	3.15	3.42	6.58	-0.27	-8.16	-4.08	8	4			3	
37-12-AB	970705	21:00	306.0	6.9	7.91	3.24	3.39	6.64	-0.15	-4.44	-2.22	8	4		2	3	
37-12-AB	970706		306.0	6.9	7.89	3.30	3.42	6.72	-0.11	-3.41	-1.71	8	4		2	3	
37-12-AB	970706	03:00															4
37-12-AB	970706	06:00															4
37-12-AB	970706	09:00															4
37-12-AB	970706	12:00	213.0	6.6	7.64	2.26	2.30	4.55	-0.04	-1.66	-0.83	8	4	1	2	3	
37-12-AB	970706	15:00	222.0	6.8	7.79	2.35	2.40	4.75	-0.04	-1.86	-0.93	8	4	1	2	3	
37-12-AB	970706	18:00	232.0	6.8	7.85	2.44	2.51	4.94	-0.07	-3.02	-1.51	8	4		2	3	
37-12-AB	970706	21:00	232.0	6.7	7.57	2.43	2.53	4.96	-0.10	-4.14	-2.07	8	4		2	3	
37-12-AB	970707		236.0	6.7	7.83	2.68	2.55	5.23	0.13	4.92	2.46	8	4		2	3	
37-12-AB	970707	03:00	238.0	6.7	7.87	2.31	2.62	4.93	-0.31	-12.65	-6.32	8	4				4
37-12-AB	970707	06:00	240.0	6.7	7.88	2.54	2.60	5.14	-0.06	-2.40	-1.20	8	4		2	3	
37-12-AB	970707	09:00	241.0	6.7	7.87	2.52	2.61	5.14	-0.09	-3.60	-1.80	8	4		2	3	
37-12-AB	970707	12:00	244.0	6.7	7.86	0.93	2.73	3.66	-1.80	-98.38	-49.19	8	4				4
37-12-AB	970707	15:00	217.0	6.4	7.91	2.23	2.41	4.64	-0.19	-7.99	-4.00	8	4			3	
37-12-AB	970707	18:00	217.0	6.4	7.92	2.14	2.41	4.55	-0.27	-11.74	-5.87	8	4				4

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Kurz-Bez.	Entnahme JJMMTT	Uhrzeit hhmm	El. Leitf. (µS/cm b. 25 °C)	Temp. (° C)	pH- Wert	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	Äquiv.-Diff. (Kat.-An.)	Ionenbilanz DVWK-Regel 128/1992 (%)	Ionenbilanz Kat%-An% (%)	Ionen- Anzahl bestimmt	Anzahl (Ca/Mg/ HCO ₃ /SO ₄)	Kat. 1	Kat. 2	Kat. 3	Kat. 4
37-12-AB	970707	21:00	216.0	6.5	7.79	2.24	2.37	4.62	-0.13	-5.52	-2.76	8	4			3	
37-12-AB	970708		220.0	6.6	7.91	2.31	2.39	4.70	-0.08	-3.32	-1.66	8	4		2	3	
37-12-AB	970708	03:00	226.0	6.6	7.90	1.97	2.46	4.43	-0.49	-22.31	-11.15	8	4				4
37-12-AB	970708	06:00	229.0	6.6	7.87	1.93	2.50	4.43	-0.58	-26.02	-13.01	8	4				4
37-12-AB	970708	09:00	227.0	6.6	7.93	2.57	2.53	5.10	0.04	1.64	0.82	8	4		2	3	
37-12-AB	970708	12:00	230.0	6.6		2.32	2.54	4.86	-0.22	-9.14	-4.57	8	4			3	
37-12-AB	970708	15:00	236.0	6.6	7.92	2.51	2.55	5.06	-0.05	-1.84	-0.92	8	4	1	2	3	
37-12-AB	970708	18:00	240.0	6.6		1.98	2.91	4.89	-0.93	-37.92	-18.96	8	4				4
37-12-AB	970708	21:00	244.0	6.6	7.92	2.61	2.69	5.30	-0.07	-2.71	-1.36	8	4		2	3	
37-12-AB	970709		247.0	6.7	7.88	2.67	2.68	5.35	-0.01	-0.26	-0.13	8	4	1	2	3	
37-12-AB	970709	03:00	250.0	6.8	7.87	2.75	2.74	5.48	0.01	0.52	0.26	8	4	1	2	3	
37-12-AB	970709	06:00	253.0	6.8	7.92	2.72	2.79	5.51	-0.07	-2.62	-1.31	8	4		2	3	
37-12-AB	970709	12:00	258.0	6.8	7.85	2.82	2.90	5.71	-0.08	-2.75	-1.37	8	4		2	3	
37-12-AB	970709	18:00	264.0	6.8	7.78	2.83	2.91	5.75	-0.08	-2.81	-1.41	8	4		2	3	
37-12-AB	970710		268.0	6.8	7.78	2.43	2.93	5.36	-0.50	-18.80	-9.40	8	4				4
37-12-AB	970710	06:00	277.0	6.8	7.84	3.17	2.96	6.13	0.21	6.70	3.35	8	4			3	
37-12-AB	970710	12:30	284.0	6.8	7.79	3.08	3.11	6.19	-0.02	-0.72	-0.36	8	4	1	2	3	
37-12-AB	970710	18:00	287.0	6.9	7.81	3.12	3.38	6.50	-0.26	-7.94	-3.97	8	4			3	
37-12-AB	970711		261.0	6.7	7.80	2.82	2.89	5.72	-0.07	-2.54	-1.27	8	4		2	3	
37-12-AB	970711	06:00	265.0	6.7	7.78	2.85	2.93	5.78	-0.07	-2.56	-1.28	8	4		2	3	
37-12-AB	970711	12:00	272.0	6.8	7.82	2.98	2.99	5.96	-0.01	-0.25	-0.13	8	4	1	2	3	
37-12-AB	970711	18:00	274.0	6.8	7.89	3.23	3.02	6.25	0.22	6.90	3.45	8	4			3	
37-12-AB	970820	12:10	304.0	6.8	7.93	3.36	3.42	6.77	-0.06	-1.76	-0.88	8	4	1	2	3	
37-14-01-AG	960123						1.00	1.00				1	1				4
37-14-03-A	960123		368.0	6.8	8.00	3.00	4.17	7.17	-1.16	-32.46	-16.23	8	4				4
37-14-03-A	960504		340.0	7.4	7.94	3.43	3.74	7.17	-0.31	-8.63	-4.31	8	4			3	
37-14-03-A	960711	11:30	347.0	7.5	7.79	3.05	3.77	6.82	-0.71	-20.93	-10.47	8	4				4
37-14-03-A	970226	10:45	342.0	6.8	7.78	3.72	3.71	7.43	0.01	0.25	0.13	8	4	1	2	3	
37-14-03-A	970515	13:10	358.0	7.5	7.95	3.87	3.65	7.52	0.22	5.73	2.86	8	4			3	
37-14-03-A	970820	12:30	361.0	7.6	7.87	3.97	3.98	7.95	0.00	-0.10	-0.05	8	4	1	2	3	
37-19-ABB	960123		704.0	8.6	7.60	7.21	5.66	12.87	1.55	24.05	12.03	8	4				4
37-19-ABB	960504		703.0	9.1	7.50	6.27	8.47	14.74	-2.20	-29.88	-14.94	8	4				4
37-19-ABB	960712	19:45	722.0	9.2	7.40	8.11	8.09	16.20	0.02	0.27	0.14	8	4		2	3	
37-19-ABB	961025	08:30	722.0	8.8	7.47	8.17	8.08	16.26	0.09	1.10	0.55	8	4		2	3	
37-19-ABB	970515	13:45	713.0	9.1	7.55	7.77	8.04	15.81	-0.27	-3.44	-1.72	8	4		2	3	
37-19-ABB	970820	13:00	710.0	9.5	7.55	7.42	8.15	15.56	-0.73	-9.38	-4.69	8	4			3	
37-21-M	960125		468.0	3.6	8.19	4.11	5.27	9.38	-1.16	-24.85	-12.42	8	4				4
37-21-M	960503		358.0	8.1	8.20	3.46	3.82	7.28	-0.36	-9.84	-4.92	8	4			3	
37-21-M	960713	11:30	357.0	9.4	7.75	3.20	3.92	7.12	-0.73	-20.39	-10.19	8	4				4
37-21-M	961022	16:00	406.4	8.9	7.49	4.37	4.44	8.81	-0.07	-1.61	-0.81	8	4	1	2	3	
37-21-M	970226	15:00	389.0	6.0	8.08	4.30	4.22	8.52	0.08	1.84	0.92	8	4	1	2	3	

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Kurz-Bez.	Entnahme JJMMTT	Uhrzeit hhmm	El. Leitf. ($\mu\text{S}/\text{cm}$ b. 25 °C)	Temp. (° C)	pH- Wert	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	Äquiv.-Diff. (Kat.-An.)	Ionenbilanz DVWK-Regel 128/1992 (%)	Ionenbilanz Kat%-An% (%)	Ionen- Anzahl bestimmt	Anzahl (Ca/Mg/ HCO_3/SO_4)	Kat. 1	Kat. 2	Kat. 3	Kat. 4
37-21-M	970515	14:50	351.0	9.4	8.01	3.83	3.83	7.66	0.00	-0.08	-0.04	8	4	1	2	3	
37-21-M	970820	14:50	435.0	10.8	7.70	3.86	4.71	8.57	-0.85	-19.73	-9.87	8	4				4
													Summe	154	174	89	200

ANHANG A-5

FELDPARAMETER & LEITFÄHIGKEITSPLAUSIBILITÄT

Erläuterungen:

Spalte Kurzbez.: Bezeichnung innerhalb des NPK-Flußnummernsystems; wenn nicht verfügbar, dann Bezeichnung nach zur Verfügung stehenden Unterlagen.

Spalte Entnahme JJMMTT: Entnahmedatum der Probe.

Spalte Uhrzeit hhmm: In Einzelfällen wurde auch die Uhrzeit der Entnahme angeführt.

Spalte Temp. (°C): Wassertemperatur in Grad Celsius gemessen mit dem Temperaturfühler der Leitfähigkeits Elektrode.

Spalten Kationen, Anionen, Gesamt: Summe der Kationen, der Anionen und der Kationen+Anionen in mg/l.

Spalten Kationen, Anionen, Gesamt: Summe der Kationen, der Anionen und der Kationen+Anionen in meq/l.

Spalte LF-Kat (Grenz): Elektrische (Grenz-)Leitfähigkeit des kationischen Anteils in Mikrosiemens pro Zentimeter bezogen auf die Referenztemperatur von 25 °C unter der Annahme einer unendlichen Verdünnung und damit maximalen Beweglichkeit der Ionen.

Spalte LF-An (Grenz): Elektrische (Grenz-)Leitfähigkeit des anionischen Anteils in Mikrosiemens pro Zentimeter bezogen auf die Referenztemperatur von 25 °C unter der Annahme einer Extrapolation auf unendliche Verdünnung und damit maximaler Beweglichkeit der Ionen.

Spalte El. Leitf. ($\mu\text{S}/\text{cm}$ b. 25 °C): Gemessene elektrische Gesamtleitfähigkeit des Wassers in Mikrosiemens pro Zentimeter bezogen auf die Referenztemperatur von 25 °C.

Spalte LF(Kat+An) Harned & Owen ($\mu\text{S}/\text{cm}$ b. 25 °C): Summe aus LF-Kat (Grenz) und LF-An (Grenz) in Mikrosiemens pro Zentimeter bezogen auf die Referenztemperatur von 25 °C unter der Annahme einer unendlichen Verdünnung und damit maximalen Beweglichkeit der Ionen (HARNED & OWEN, 1964).

Spalte El. LF Rossum, 1975: Errechnete elektrische Gesamtleitfähigkeit des Wassers unter Berücksichtigung der Einzelleitfähigkeiten der ionogenen Bestandteile und der jeweiligen Konzentration und Meßtemperatur bezogen auf die Referenztemperatur von 25 °C (ROSSUM, 1975).

Spalte Differenz Rossum - LF_{gem} ($\mu\text{S}/\text{cm}$): Absolutdifferenz zwischen errechneter und gemessener elektrischer Leitfähigkeit in Mikrosiemens pro Zentimeter bezogen auf die Referenztemperatur von 25 °C. Negative Werte werden bei höherer gemessener Leitfähigkeit erhalten.

Spalte Differenz Rossum - LF_{gem} (%): Relativer Unterschied ($\text{LF}_{\text{gem}} = 100\%$) zwischen errechneter und gemessener elektrischer Leitfähigkeit in Mikrosiemens pro Zentimeter bezogen auf die Referenztemperatur von 25 °C. Negative Werte werden bei höherer gemessener Leitfähigkeit erhalten.

Spalte $\text{Gesmin}/\text{LF}_{\text{gem}}$: Bei auf 25°C kompensierten Leitfähigkeitsgeräten kann als Faustregel gelten, daß die Verhältniszahl aus der Gesamtmineralisierung in mg/l und der gemessenen Leitfähigkeit etwa um 0.9 beträgt. Voraussetzung ist, daß sich die Leitfähigkeit aus einer entsprechenden Wasserzusammensetzung ergibt, wie sie gemäß den Normen natürlichen Wässern zukommen.

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Kurz-Bez.	Entnahme JMMTT	Uhrzeit hhmm	Temp. (° C)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	LF-Kat (Grenz)	LF-An (Grenz)	LF _{gem} (µS/cm b. 25 °C)	LF(Kat+An) Harned & Owen (µS/cm; 25 °C)	El. LF Rossum, 1975	Differenz Rossum- LF _{gem} (µS/cm)	Differenz Rossum- LF _{gem} (%)	Gesmin/ LF _{gem}
33-138-1-CE	960124		6.4	49.67	160.64	210.31	2.77	2.79	5.56	159.2	149.6	349.0	308.9	276.37	-72.63	-20.81	0.60
33-138-1-CE	960502		6.8	56.39	182.36	238.75	3.19	3.35	6.54	183.1	209.7	337.0	392.8	342.93	5.93	1.76	0.71
33-138-1-CE	960712	16:40	7.0	53.84	171.98	225.82	3.05	3.13	6.19	175.2	191.9	305.0	367.1	322.31	17.31	5.67	0.74
33-138-1-CE	961023	15:00	6.9	48.07	156.23	204.30	2.69	2.81	5.50	154.9	165.7	268.6	320.5	284.69	16.07	5.98	0.76
33-138-1-CE	970227	14:45	6.9	64.80	197.83	262.64	3.68	3.63	7.31	210.4	227.1	353.0	437.5	378.73	25.73	7.29	0.74
33-138-1-CE	970513	14:30	7.1	55.90	180.64	236.54	3.18	3.28	6.46	181.5	199.3	319.0	380.8	333.81	14.81	4.64	0.74
33-138-1-CE	970819	12:30	7.1	42.72	181.41	224.13	2.36	3.29	5.65	135.6	199.3	320.0	334.9	295.92	-24.08	-7.53	0.70
33-138-13-AA	960124		7.8	38.65	228.20	266.85	2.34	3.77	6.11	132.4	172.5	335.0	305.0	276.83	-58.17	-17.36	0.80
33-138-13-AA	960502		6.9	45.13	187.53	232.66	2.75	3.10	5.85	155.3	143.1	283.0	298.4	271.63	-11.37	-4.02	0.82
33-138-13-AA	960712	17:30	7.4	40.26	200.86	241.12	2.42	3.31	5.73	137.2	150.8	295.0	288.0	262.69	-32.31	-10.95	0.82
33-138-13-AA	961023	17:15	7.4	58.90	201.25	260.15	3.40	3.33	6.73	194.7	153.4	305.0	348.1	314.40	9.38	3.07	0.85
33-138-13-AA	970227	13:45	6.9	53.12	187.03	240.15	3.11	3.10	6.20	177.2	145.7	280.0	322.9	293.03	13.03	4.66	0.86
33-138-13-AA	970513	15:45	7.2	56.12	204.74	260.86	3.35	3.38	6.73	190.0	156.5	310.0	346.5	313.15	3.15	1.01	0.84
33-138-13-AA	970819	14:15	8.0		217.22	217.22		3.56	3.56			341.0					0.64
33-138-2-	961023	16:10	6.0	47.51	142.35	189.86	2.40	2.17	4.77	142.1	112.8	224.3	255.0	233.86	9.52	4.24	0.85
33-138-2-	970513	14:45	5.6	42.89	136.43	179.32	2.17	2.27	4.44	128.3	109.6	221.0	237.9	218.90	-2.10	-0.95	0.81
33-138-2-	970819	15:00	6.0	43.41	140.78	184.18	2.20	2.35	4.55	130.2	113.8	221.0	244.0	223.99	2.99	1.35	0.83
33-138-7-AA	960124																
33-138-7-AA	960502		7.0	39.97	138.77	178.74	2.14	2.30	4.44	124.8	107.2	217.0	232.1	213.86	-3.14	-1.45	0.82
33-138-7-AA	960712	17:10	7.1	41.95	169.91	211.85	2.22	2.80	5.03	130.0	128.6	260.0	258.6	237.38	-22.62	-8.70	0.81
33-138-7-AA	961023	16:40	6.9	54.69	171.28	225.97	2.84	2.85	5.69	167.0	134.6	267.6	301.5	274.04	6.41	2.39	0.84
33-138-7-AA	970227	14:10	6.7	50.13	155.99	206.12	2.61	2.58	5.19	153.1	123.1	244.0	276.3	253.01	9.01	3.69	0.84
33-138-7-AA	970513	15:15	7.2	37.80	123.73	161.53	1.94	2.04	3.98	114.0	94.5	193.0	208.5	193.34	0.34	0.18	0.84
33-138-7-AB	970819	14:30	7.6	59.09	255.75	314.84	3.07	4.24	7.32	180.4	198.3	301.0	378.7	340.14	39.14	13.00	1.05
34-02-1-ABC	960124		4.9	33.46	209.38	242.84	1.86	3.46	5.32	107.1	157.4	263.0	264.5	242.09	-20.91	-7.95	0.92
34-02-1-ABC	960502		4.7	42.06	183.18	225.24	2.56	3.02	5.57	144.5	138.6	276.0	283.0	258.60	-17.40	-6.31	0.82
34-02-1-ABC	960712	15:00	5.1	43.56	184.37	227.93	2.60	3.03	5.64	147.7	138.5	270.0	286.2	261.46	-8.54	-3.16	0.84
34-02-1-ABC	961023	14:20	5.1	52.31	190.49	242.80	3.08	3.14	6.22	175.5	143.2	279.4	318.7	289.61	10.18	3.64	0.87
34-02-1-ABC	970514	14:50	5.1	49.52	177.98	227.51	2.91	2.93	5.84	165.8	134.1	265.0	299.9	273.58	8.58	3.24	0.86
34-02-1-ABC	970821	18:00	5.1	47.66	190.39	238.05	2.83	3.13	5.96	160.6	142.7	288.0	303.4	276.55	-11.45	-3.97	0.83
34-02-3-ECB	960502		6.0	48.95	217.67	266.61	3.08	3.59	6.67	172.8	165.6	325.0	338.4	306.24	-18.76	-5.77	0.82
34-02-3-ECB	960712	13:00	7.1	52.24	222.81	275.04	3.28	3.67	6.95	184.0	167.8	330.0	351.9	317.81	-12.19	-3.69	0.83
34-02-3-ECB	961023	12:30	6.8	60.51	229.67	290.18	3.71	3.79	7.50	209.2	173.0	333.6	382.3	343.76	10.21	3.06	0.87
34-02-3-ECB	970514	13:30	6.1	60.34	224.15	284.48	3.71	3.69	7.40	209.1	170.2	329.0	379.2	341.33	12.33	3.75	0.86
34-02-3-ECB	970821	15:00	7.3	71.27	237.46	308.73	4.31	3.91	8.23	244.1	179.0	355.0	423.0	378.09	23.09	6.51	0.87
34-02-3-GB	960126		7.0	39.41	190.58	229.99	2.22	3.17	5.39	127.8	150.8	283.0	278.5	253.62	-29.38	-10.38	0.81
34-02-3-GB	960502																
34-02-3-GB	970821	11:00	7.5	61.17	203.55	264.72	3.39	3.50	6.88	195.2	181.1	327.0	376.3	334.35	-7.35	-2.25	0.81
34-02-3-J	960126		6.8	39.87	189.17	229.04	2.23	3.13	5.35	128.4	144.1	252.0	272.5	249.04	-2.96	-1.17	0.91
34-02-3-J	960502		6.8	35.05	139.67	174.72	1.96	2.31	4.27	113.1	107.9	217.0	221.0	204.09	-12.91	-5.95	0.81

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Leitfähigkeitsplausibilität

Kurz-Bez.	Entnahme JMMTT	Uhrzeit hhmm	Temp. (° C)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	LF-Kat (Grenz)	LF-An (Grenz)	LF _{gem} (µS/cm b. 25 °C)	LF(Kat+An) Harned & Owen (µS/cm; 25 °C)	El. LF Rossum, 1975	Differenz Rossum- LF _{gem} (µS/cm)	Differenz Rossum- LF _{gem} (%)	Gesmin/ LF _{gem}
34-02-3-J	960712	12:10	7.1	45.57	168.96	214.53	2.51	2.79	5.30	145.5	128.8	252.0	274.3	251.08	-0.92	-0.36	0.85
34-02-3-J	961023	12:00	7.0	45.80	149.78	195.58	2.44	2.48	4.92	142.5	114.5	225.3	257.0	236.00	10.68	4.74	0.87
34-02-3-J	970227	10:00	7.2	53.15	170.80	223.95	2.92	2.85	5.78	169.0	138.1	267.0	307.1	278.52	11.52	4.31	0.84
34-02-3-J	970514	11:00	7.2	38.40	134.00	172.40	2.08	2.21	4.29	120.8	102.7	204.0	223.5	206.73	2.73	1.34	0.85
34-02-3-J	970821	12:15	7.5	57.39	199.31	256.70	3.17	3.41	6.58	182.7	174.3	321.0	357.0	318.79	-2.21	-0.69	0.80
34-02-4-1-ACA	960502		5.6	47.28	187.27	234.55	2.86	3.09	5.95	161.9	141.8	281.0	303.7	276.54	-4.46	-1.59	0.83
34-02-4-1-ACA	960712	13:40	5.5	41.32	199.83	241.15	2.52	3.29	5.81	142.3	149.7	301.0	292.0	266.28	-34.72	-11.54	0.80
34-02-4-1-ACA	970514	13:50	5.5	50.91	191.78	242.69	3.06	3.16	6.22	173.3	145.0	283.0	318.2	289.28	6.28	2.22	0.86
34-02-4-1-ACA	970821	15:30	5.6	55.70	201.19	256.89	3.15	3.32	6.46	181.0	152.2	297.0	333.2	302.19	5.19	1.75	0.86
34-02-4-2-DBC	960126		5.0	40.55	166.85	207.40	2.16	2.76	4.92	126.0	129.3	239.0	255.3	234.66	-4.34	-1.82	0.87
34-02-4-2-DBC	960502		5.4	36.57	130.31	166.88	2.01	2.15	4.16	116.4	102.6	206.0	219.0	202.55	-3.45	-1.68	0.81
34-02-4-2-DBC	960712	10:30	5.7	30.90	148.33	179.23	1.74	2.46	4.19	99.6	115.7	224.0	215.3	199.13	-24.87	-11.10	0.80
34-02-4-2-DBC	961023	10:30	5.7	42.14	140.47	182.61	2.27	2.32	4.59	132.3	108.3	210.6	240.6	221.62	11.06	5.25	0.87
34-02-4-2-DBC	970227	12:00	5.1	48.03	162.48	210.51	2.60	2.68	5.28	151.3	126.7	284.0	278.0	254.74	-29.26	-10.30	0.74
34-02-4-2-DBC	970514	12:00	5.5	37.74	113.38	151.12	2.01	1.87	3.88	117.2	88.5	195.0	205.7	190.79	-4.21	-2.16	0.77
34-02-4-2-DBC	970821	13:15	6.0	43.55	146.92	190.48	2.31	2.43	4.73	134.9	112.5	227.0	247.4	227.70	0.70	0.31	0.84
34-02-4-2-F	960126		6.4	34.36	218.94	253.30	1.96	3.60	5.57	112.6	163.6	305.0	276.2	251.87	-53.13	-17.42	0.83
34-02-4-2-F	960502		6.5	37.30	149.04	186.34	2.10	2.46	4.56	120.9	114.3	232.0	235.2	216.79	-15.21	-6.56	0.80
34-02-4-2-F	960712	11:00	6.9	46.00	189.53	235.53	2.60	3.12	5.72	149.5	142.6	288.0	292.1	266.69	-21.31	-7.40	0.82
34-02-4-2-F	961023	11:00	7.0	53.82	183.51	237.33	2.99	3.03	6.02	172.7	138.6	273.5	311.4	283.32	9.78	3.58	0.87
34-02-4-2-F	970227	12:30	6.4	49.98	168.85	218.83	2.76	2.79	5.54	159.4	130.3	258.0	289.7	264.94	6.94	2.69	0.85
34-02-4-2-F	970514	12:20	6.4	43.88	155.36	199.24	2.41	2.56	4.97	139.4	118.1	229.0	257.5	236.72	7.72	3.37	0.87
34-02-4-2-F	970821	13:45	7.5	64.96	214.52	279.48	3.82	3.54	7.35	217.3	162.6	324.0	379.9	341.78	17.78	5.49	0.86
34-02-4-2-I	960126		6.6	40.89	203.88	244.77	2.39	3.37	5.76	136.2	155.5	301.0	291.7	265.79	-35.21	-11.70	0.81
34-02-4-2-I	960502		7.0	50.63	188.04	238.67	2.93	3.11	6.04	167.6	144.6	289.0	312.2	283.77	-5.23	-1.81	0.83
34-02-4-2-I	960712	11:30	6.9	43.98	196.58	240.55	2.59	3.24	5.84	147.5	150.4	297.0	297.8	271.37	-25.63	-8.63	0.81
34-02-4-2-I	961023	11:30	6.7	59.93	204.49	264.42	3.38	3.38	6.76	194.5	156.3	305.0	350.8	317.14	12.12	3.97	0.87
34-02-4-2-I	970227	13:00	6.4	53.33	193.46	246.79	3.02	3.19	6.22	173.7	149.2	296.0	322.9	293.43	-2.57	-0.87	0.83
34-02-4-2-I	970514	12:40	7.2	53.71	190.37	244.08	3.06	3.14	6.20	175.6	146.4	287.0	322.0	292.49	5.49	1.91	0.85
34-02-4-2-I	970821	14:00	7.6	55.81	198.55	254.37	3.18	3.28	6.45	182.3	151.9	301.0	334.2	302.99	1.99	0.66	0.85
34-09-C	960126		4.5	45.57	208.75	254.32	2.64	3.46	6.11	150.9	161.5	323.0	312.4	283.28	-39.72	-12.30	0.79
34-09-C	960502		7.0	42.39	169.22	211.61	2.43	2.81	5.24	139.1	133.8	259.0	272.9	249.10	-9.90	-3.82	0.82
34-09-C	960712	18:30	7.6	45.72	196.52	242.23	2.67	3.25	5.92	152.4	150.9	303.0	303.3	275.89	-27.11	-8.95	0.80
34-09-C	970227	09:30		55.25	184.28	239.53	3.11	3.06	6.17	178.7	146.0	282.0	324.7	294.18	12.18	4.32	0.85
34-09-C	970514	10:30	7.7	49.65	170.79	220.43	2.78	2.84	5.62	160.0	135.4	263.0	295.4	268.64	5.64	2.14	0.84
34-09-C	970821	09:50	10.3	53.61	219.22	272.82	3.03	3.66	6.70	174.0	175.7	333.0	349.6	314.53	-18.47	-5.55	0.82
34-09-E	970514	10:00	8.4	73.38	268.92	342.30	4.43	4.47	8.90	250.2	210.6	402.0	460.8	408.56	6.56	1.63	0.85
34-09-E	970821	09:30	8.5	96.13	325.66	421.79	5.75	5.51	11.26	324.8	272.1	498.0	597.0	515.99	17.99	3.61	0.85
34-16-1-OA	960126		7.7	60.29	264.36	324.65	3.66	4.36	8.02	206.9	198.4	383.0	405.3	363.39	-19.61	-5.12	0.85
34-16-1-OA	960502		7.7	59.07	257.62	316.69	3.70	4.25	7.94	207.5	195.0	380.0	402.5	360.67	-19.33	-5.09	0.83

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Leitfähigkeitsplausibilität

Kurz-Bez.	Entnahme JMMTT	Uhrzeit hhmm	Temp. (° C)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	LF-Kat (Grenz)	LF-An (Grenz)	LF _{gem} (µS/cm b. 25 °C)	LF(Kat+An) Harned & Owen (µS/cm; 25 °C)	El. LF Rossum, 1975	Differenz Rossum- LF _{gem} (µS/cm)	Differenz Rossum- LF _{gem} (%)	Gesmin/ LF _{gem}
34-16-1-OA	960712	09:30	7.9	55.18	254.87	310.05	3.52	4.20	7.72	196.6	192.7	377.0	389.3	349.44	-27.56	-7.31	0.82
34-16-1-OA	961023	08:40	7.7	70.60	268.12	338.72	4.30	4.42	8.72	242.7	202.8	384.7	445.5	397.01	12.29	3.20	0.88
34-16-1-OA	970227	09:00	7.7	69.15	264.80	333.96	4.21	4.36	8.57	237.6	200.5	380.0	438.2	391.06	11.06	2.91	0.88
34-16-1-OA	970414	15:15	7.6	68.69	250.32	319.01	4.18	4.13	8.31	236.2	190.3	387.0	426.5	381.00	-6.00	-1.55	0.82
34-16-1-OA	970414	18:00	7.6	70.17	257.09	327.26	4.27	4.24	8.51	241.3	194.6	389.0	436.0	388.93	-0.07	-0.02	0.84
34-16-1-OA	970414	21:00	7.6	71.06	258.72	329.77	4.33	4.26	8.59	244.5	195.6	389.0	440.1	392.41	3.41	0.88	0.85
34-16-1-OA	970415		7.6	69.10	259.43	328.53	4.21	4.28	8.49	237.9	196.2	389.0	434.1	387.43	-1.57	-0.40	0.84
34-16-1-OA	970415	03:00	7.6	74.84	259.29	334.12	4.57	4.27	8.84	258.0	196.0	389.0	453.9	403.85	14.85	3.82	0.86
34-16-1-OA	970415	06:00	7.6	70.78	259.31	330.09	4.30	4.27	8.58	242.4	196.0	389.0	438.4	391.13	2.13	0.55	0.85
34-16-1-OA	970415	09:00	7.6	68.48	255.01	323.48	4.18	4.20	8.39	236.1	192.8	389.0	428.9	383.09	-5.91	-1.52	0.83
34-16-1-OA	970415	12:00	7.6	69.35	251.85	321.20	4.22	4.15	8.38	238.6	190.4	388.0	429.0	383.16	-4.84	-1.25	0.83
34-16-1-OA	970415	15:00	7.6	68.87	250.63	319.49	4.18	4.13	8.31	236.2	189.6	385.0	425.8	380.48	-4.52	-1.17	0.83
34-16-1-OA	970415	18:00	7.6	69.05	259.87	328.92	4.20	4.28	8.49	237.5	196.4	381.0	433.9	387.31	6.31	1.66	0.86
34-16-1-OA	970415	21:00	7.6	68.25	34.82	103.07	4.15	0.60	4.75	234.6	32.4	378.0	267.0	212.16	-165.84	-43.87	0.27
34-16-1-OA	970416		7.6	69.47	256.00	325.46	4.23	4.22	8.46	239.1	193.9	378.0	432.9	386.42	8.42	2.23	0.86
34-16-1-OA	970416	06:00	7.6	67.49	257.21	324.70	4.09	4.24	8.34	231.0	194.8	379.0	425.7	380.51	1.51	0.40	0.86
34-16-1-OA	970416	12:00	7.6	70.23	256.47	326.70	4.28	4.23	8.51	241.7	194.1	382.0	435.9	388.83	6.83	1.79	0.86
34-16-1-OA	970416	18:00	7.6	70.33	257.06	327.39	4.29	4.24	8.53	242.2	194.6	382.0	436.9	389.73	7.73	2.02	0.86
34-16-1-OA	970417		7.6	71.46	257.57	329.03	4.34	4.25	8.59	245.4	194.8	384.0	440.3	392.56	8.56	2.23	0.86
34-16-1-OA	970417	06:00	7.6	69.22	256.32	325.54	4.22	4.22	8.45	238.4	193.8	388.0	432.2	385.78	-2.22	-0.57	0.84
34-16-1-OA	970417	12:00	7.6	69.66	260.17	329.83	4.26	4.29	8.55	240.3	196.8	388.0	437.1	389.94	1.94	0.50	0.85
34-16-1-OA	970514	09:30	7.8	70.06	264.10	334.16	4.27	4.35	8.63	241.3	200.3	386.0	441.6	393.86	7.86	2.04	0.87
34-16-1-OA	970705	15:00	7.7	70.89	258.49	329.38	4.31	4.27	8.58	243.6	197.1	374.0	440.7	393.06	19.06	5.09	0.88
34-16-1-OA	970705	18:00	7.7	66.82	259.56	326.38	4.08	4.28	8.36	230.1	196.6	383.0	426.7	381.34	-1.66	-0.43	0.85
34-16-1-OA	970705	21:00	7.7	71.43	230.22	301.65	4.37	3.80	8.16	246.4	175.2	383.0	421.6	376.44	-6.56	-1.71	0.79
34-16-1-OA	970706		7.7	71.11	257.17	328.28	4.34	4.24	8.58	245.1	194.9	383.0	440.0	392.33	9.33	2.44	0.86
34-16-1-OA	970706	03:00	7.8	64.50	239.57	304.07	3.94	3.95	7.89	222.5	181.5	382.0	404.0	362.23	-19.77	-5.18	0.80
34-16-1-OA	970706	06:00	7.8	62.11	237.70	299.81	3.78	3.91	7.69	213.3	178.1	369.0	391.4	351.80	-17.20	-4.66	0.81
34-16-1-OA	970706	09:00	7.7	61.97	228.84	290.81	3.80	3.77	7.57	214.3	171.4	370.0	385.8	346.85	-23.15	-6.26	0.79
34-16-1-OA	970706	12:00	7.8	65.49	247.57	313.06	4.01	4.07	8.09	226.3	185.8	367.0	412.1	369.13	2.13	0.58	0.85
34-16-1-OA	970706	15:00	7.7	66.25	250.98	317.23	4.06	4.13	8.19	228.9	189.0	365.0	417.9	373.94	8.94	2.45	0.87
34-16-1-OA	970706	18:00	7.7	68.31	256.26	324.58	4.18	4.22	8.40	235.8	193.7	368.0	429.5	383.82	15.82	4.30	0.88
34-16-1-OA	970706	21:00	7.7	68.40	252.35	320.76	4.19	4.16	8.34	236.2	190.6	371.0	426.8	381.41	10.41	2.80	0.86
34-16-1-OA	970707		7.7	69.36	254.56	323.93	4.22	4.19	8.42	238.6	192.4	374.0	430.9	384.89	10.89	2.91	0.87
34-16-1-OA	970707	03:00	7.7	68.80	269.46	338.26	4.20	4.44	8.64	236.9	203.4	376.0	440.3	392.86	16.86	4.49	0.90
34-16-1-OA	970707	06:00	7.7	68.68	257.38	326.06	4.20	4.24	8.44	237.0	194.7	377.0	431.7	385.54	8.54	2.27	0.86
34-16-1-OA	970707	09:00	7.7	68.10	260.49	328.59	4.16	4.29	8.46	234.9	197.0	378.0	431.8	385.72	7.72	2.04	0.87
34-16-1-OA	970707	12:00	7.8	65.71	254.61	320.33	4.03	4.20	8.22	227.2	192.5	379.0	419.6	375.39	-3.61	-0.95	0.85
34-16-1-OA	970707	15:00	7.8	64.45	247.90	312.35	3.94	4.08	8.03	222.4	187.2	378.0	409.6	366.99	-11.01	-2.91	0.83
34-16-1-OA	970707	18:00	7.8	68.43	241.43	309.86	4.19	3.98	8.17	236.2	181.9	374.0	418.2	374.12	0.12	0.03	0.83

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

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Feldparameter & Leitfähigkeitsplausibilität

Kurz-Bez.	Entnahme JMMTT	Uhrzeit hhmm	Temp. (° C)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	LF-Kat (Grenz)	LF-An (Grenz)	LF _{gem} (µS/cm b. 25 °C)	LF(Kat+An) Harned & Owen (µS/cm; 25 °C)	El. LF Rossum, 1975	Differenz Rossum- LF _{gem} (µS/cm)	Differenz Rossum- LF _{gem} (%)	Gesmin/ LF _{gem}
34-16-1-OA	970707	21:00	7.7	66.75	254.60	321.35	4.07	4.19	8.26	229.6	191.2	366.0	420.7	376.54	10.54	2.88	0.88
34-16-1-OA	970708		7.7	69.03	249.38	318.40	4.22	4.11	8.32	237.9	187.5	364.0	425.4	380.32	16.32	4.48	0.87
34-16-1-OA	970708	03:00	7.7	68.21	250.31	318.52	4.18	4.13	8.30	235.6	189.0	363.0	424.6	379.61	16.61	4.58	0.88
34-16-1-OA	970708	06:00	7.7	68.81	251.00	319.80	4.20	4.13	8.33	236.9	189.3	368.0	426.2	380.89	12.89	3.50	0.87
34-16-1-OA	970708	09:00	7.7	71.34	260.05	331.39	4.35	4.28	8.63	245.4	196.3	373.0	441.8	393.99	20.99	5.63	0.89
34-16-1-OA	970708	12:00	7.7	68.61	256.28	324.89	4.20	4.22	8.42	236.8	193.4	374.0	430.2	384.27	10.27	2.75	0.87
34-16-1-OA	970708	15:00	7.7	74.26	257.20	331.46	4.54	4.24	8.78	256.3	194.4	375.0	450.7	401.28	26.28	7.01	0.88
34-16-1-OA	970708	18:00	7.7	64.75	257.36	322.11	3.96	4.24	8.20	223.5	194.7	377.0	418.2	374.20	-2.80	-0.74	0.85
34-16-1-OA	970708	21:00	7.7	69.51	276.32	345.83	4.25	4.55	8.80	239.8	208.6	379.0	448.4	399.66	20.66	5.45	0.91
34-16-1-OA	970709		7.7	71.38	258.48	329.87	4.35	4.26	8.61	245.6	195.3	379.0	440.9	393.20	14.20	3.75	0.87
34-16-1-OA	970709	03:00	7.7	71.23	257.64	328.87	4.34	4.25	8.58	245.0	195.1	380.0	440.1	392.50	12.50	3.29	0.87
34-16-1-OA	970709	06:00	7.7	70.57	260.07	330.64	4.31	4.29	8.60	243.4	196.9	380.0	440.3	392.74	12.74	3.35	0.87
34-16-1-OA	970709	12:00	7.7	71.07	259.89	330.96	4.33	4.28	8.61	244.6	196.4	383.0	441.0	393.23	10.23	2.67	0.86
34-16-1-OA	970709	18:00	7.7	69.35	272.12	341.47	4.24	4.48	8.72	239.2	205.6	382.0	444.7	396.54	14.54	3.81	0.89
34-16-1-OA	970710		7.7	70.35	260.73	331.08	4.30	4.30	8.60	242.6	197.4	384.0	440.0	392.44	8.44	2.20	0.86
34-16-1-OA	970710	06:00	7.7	73.66	260.16	333.82	4.44	4.29	8.73	251.6	197.0	384.0	448.5	399.60	15.60	4.06	0.87
34-16-1-OA	970710	12:00	7.7	69.70	259.17	328.87	4.26	4.27	8.53	240.3	196.4	384.0	436.7	389.70	5.70	1.48	0.86
34-16-1-OA	970710	18:00	7.7	70.03	277.58	347.61	4.28	4.57	8.86	241.7	209.5	382.0	451.2	401.94	19.94	5.22	0.91
34-16-1-OA	970711		7.7	66.80	263.86	330.66	4.08	4.35	8.43	230.5	199.4	381.0	429.9	384.08	3.08	0.81	0.87
34-16-1-OA	970711	06:00	7.7	69.85	261.28	331.13	4.27	4.31	8.58	241.1	198.1	386.0	439.2	391.79	5.79	1.50	0.86
34-16-1-OA	970711	12:00	7.7	70.06	274.77	344.83	4.28	4.53	8.81	241.4	207.7	385.0	449.1	400.14	15.14	3.93	0.90
34-16-1-OA	970711	18:00	7.7	0.42	263.46	263.89	0.01	4.34	4.36		199.5	386.0					0.68
34-16-1-OA	970821	09:00	7.8	70.12	259.30	329.42	4.28	4.27	8.55	241.5	196.0	387.0	437.6	390.50	3.50	0.90	0.85
35-01-	960710	17:45	4.7	29.72	110.57	140.29	1.64	1.82	3.45	94.8	82.7	167.0	177.5	165.58	-1.42	-0.85	0.84
35-01-	961024	11:30	4.5	32.52	101.14	133.66	1.72	1.67	3.39	100.6	77.0	157.4	177.6	165.68	8.25	5.24	0.85
35-20-BA	970513	10:30	6.2	31.54	107.54	139.08	1.68	1.77	3.45	98.2	82.1	165.0	180.2	168.20	3.20	1.94	0.84
35-20-BBA	960124		7.0	30.08	164.93	195.01	1.69	2.72	4.41	97.4	124.8	236.0	222.2	204.97	-31.03	-13.15	0.83
35-20-BBA	960503		6.0	33.05	113.05	146.10	1.83	1.86	3.70	106.0	86.6	171.0	192.6	179.00	8.00	4.68	0.85
35-20-BBA	960710	10:50	6.3	33.20	133.70	166.89	1.84	2.20	4.04	106.2	101.1	205.0	207.4	192.18	-12.82	-6.25	0.81
35-20-BBA	961024	11:30	6.3	40.01	125.54	165.55	2.14	2.08	4.23	124.7	96.6	190.9	221.3	204.74	13.86	7.26	0.87
35-20-BBA	970225	11:00	6.7	46.69	148.66	195.35	2.51	2.45	4.96	145.9	114.3	230.0	260.2	239.26	9.26	4.03	0.85
35-20-BBA	970819	10:30	7.0	42.39	150.69	193.08	2.33	2.48	4.82	135.0	114.7	229.0	249.7	229.69	0.69	0.30	0.84
35-27-AB	960124		5.2	39.68	250.46	290.14	2.39	4.13	6.52	135.3	189.8	397.0	325.2	294.05	-102.95	-25.93	0.73
35-27-AB	960503		7.8	51.75	233.10	284.85	3.19	3.86	7.04	179.6	180.2	354.0	359.8	324.36	-29.64	-8.37	0.80
35-27-AB	960710	19:10	8.5	49.02	238.04	287.07	3.07	3.93	7.00	172.1	182.2	359.0	354.3	319.59	-39.41	-10.98	0.80
35-27-AC	961024	09:30	7.9	67.59	242.81	310.39	4.01	4.01	8.02	227.9	186.6	361.1	414.4	370.84	9.74	2.70	0.86
35-27-AC	970225	09:45	7.9	66.76	236.90	303.66	3.96	3.92	7.87	224.7	184.0	353.0	408.7	366.15	13.15	3.72	0.86
35-27-AC	970513	10:00	8.1	68.49	239.84	308.33	4.05	3.96	8.00	230.2	184.4	358.0	414.6	371.20	13.20	3.69	0.86
35-27-AC	970819	09:15	8.2	61.20	242.91	304.12	3.62	4.01	7.63	205.8	187.0	359.0	392.8	352.80	-6.20	-1.73	0.85
35-28-DAA	960124		5.7	30.70	198.27	228.97	1.70	3.28	4.98	98.4	151.9	293.0	250.3	228.98	-64.02	-21.85	0.78

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Leitfähigkeitsplausibilität

Kurz-Bez.	Entnahme JJMMTT	Uhrzeit hhmm	Temp. (° C)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	LF-Kat (Grenz)	LF-An (Grenz)	LF _{gem} (µS/cm b. 25 °C)	LF(Kat+An) Harned & Owen (µS/cm; 25 °C)	El. LF Rossum, 1975	Differenz Rossum- LF _{gem} (µS/cm)	Differenz Rossum- LF _{gem} (%)	Gesmin/ LF _{gem}
35-28-DAA	960503		7.0	40.59	181.49	222.08	2.20	3.01	5.21	128.1	143.0	281.0	271.2	248.29	-32.71	-11.64	0.79
35-28-DAA	960710	19:30	7.0	44.35	190.95	235.30	2.40	3.15	5.55	139.6	147.2	295.0	286.9	262.06	-32.94	-11.17	0.80
35-28-DAA	961024	09:00	7.1	65.49	206.82	272.30	3.44	3.42	6.85	201.5	158.8	319.8	360.2	325.41	5.63	1.76	0.85
35-28-DAA	970225	10:15	7.2	58.62	183.26	241.88	3.09	3.03	6.12	181.1	144.1	281.0	325.1	295.60	14.60	5.20	0.86
35-28-DAA	970513	09:30	7.1	52.41	175.89	228.30	2.78	2.91	5.68	162.3	137.0	268.0	299.2	273.21	5.21	1.95	0.85
35-28-DAA	970819	08:45	7.1	61.29	202.91	264.20	3.31	3.35	6.67	192.5	157.1	311.0	349.6	316.29	5.29	1.70	0.85
35-34-1-AA	960830	10:30	2.6	38.44	113.21	151.65	2.10	1.86	3.96	121.9	86.1	179.6	208.0	192.68	13.03	7.25	0.84
35-34-1-AA	970708	12:30	2.6	34.07	117.62	151.69	1.88	1.93	3.81	108.7	89.4	179.0	198.1	184.21	5.21	2.91	0.85
35-34-1-ACB	960422	11:30	3.4	34.53	124.83	159.36	1.93	2.06	3.99	111.3	97.1	192.0	208.3	193.02	1.02	0.53	0.83
35-34-1-ACB	960504		1.4	32.99	116.80	149.79	1.86	1.93	3.79	107.1	91.0	186.0	198.1	183.82	-2.18	-1.17	0.81
35-34-1-ACB	960711	17:00	6.6	27.36	120.53	147.88	1.59	1.99	3.57	90.8	91.9	182.0	182.7	170.03	-11.97	-6.58	0.81
35-34-1-ACB	961025	11:00	2.6	36.78	122.17	158.94	2.00	2.02	4.02	116.4	93.3	187.0	209.7	194.22	7.22	3.86	0.85
35-34-1-ACB	970226	12:00	3.6	39.87	130.85	170.72	2.18	2.16	4.34	126.4	100.8	205.7	227.2	209.91	4.21	2.05	0.83
35-34-1-ACB	970515	10:30	2.8	52.56	101.47	154.03	2.79	1.67	4.46	162.9	78.3	139.0	241.2	221.14	82.14	59.09	1.11
35-34-1-ACB	970820	16:30	9.8	34.23	113.69	147.92	1.90	1.87	3.77	109.5	86.8	177.4	196.3	182.42	5.02	2.83	0.83
35-34-1-BCB	960422	12:30	1.5	47.09	196.55	243.64	2.50	3.25	5.74	145.8	149.4	294.0	295.3	269.42	-24.58	-8.36	0.83
35-34-1-BCB	960829	16:00	16.0	40.94	125.40	166.34	2.15	2.07	4.22	125.9	93.9	195.2	219.8	203.28	8.10	4.15	0.85
35-34-1-BCB	970708	11:00	8.1	49.48	106.32	155.80	2.84	1.76	4.59	162.5	80.6	169.0	243.1	222.31	53.31	31.54	0.92
35-34-1-D	960504		3.7	34.97	107.37	142.34	1.90	1.77	3.67	110.2	82.8	171.0	193.0	179.31	8.31	4.86	0.83
35-34-1-D	960711	18:00	4.5	37.58	147.08	184.67	2.03	2.43	4.46	118.1	111.9	228.0	230.0	212.29	-15.71	-6.89	0.81
35-34-1-D	961025	12:00	4.9	46.58	144.11	190.69	2.44	2.38	4.82	143.1	110.3	222.0	253.4	232.80	10.80	4.86	0.86
35-34-1-D	970226	12:30	4.4	45.50	146.12	191.61	2.39	2.42	4.80	139.6	117.6	222.4	257.2	236.83	14.43	6.49	0.86
35-34-1-D	970515	09:45	3.7	28.86	92.08	120.94	1.52	1.52	3.04	88.9	70.4	126.0	159.3	149.30	23.30	18.49	0.96
35-34-1-D	970820	16:00	5.3	54.82	180.15	234.97	2.92	2.97	5.89	170.2	137.5	263.0	307.6	280.38	17.38	6.61	0.89
35-34-1-ED	960504		4.5	34.69	123.57	158.26	1.95	2.04	3.99	112.3	95.6	194.0	207.9	192.66	-1.34	-0.69	0.82
35-34-2-CA	960125		5.3	27.90	157.47	185.37	1.66	2.60	4.26	94.2	120.9	226.0	215.1	198.56	-27.44	-12.14	0.82
35-34-2-CA	960504		4.9	30.39	117.94	148.32	1.81	1.95	3.75	102.6	91.4	183.0	194.0	180.05	-2.95	-1.61	0.81
35-34-2-CA	960711	08:00	6.2	34.77	144.58	179.35	2.08	2.38	4.46	118.1	109.7	219.0	227.8	210.12	-8.88	-4.05	0.82
35-34-2-CA	961024	08:00	7.4	40.87	145.83	186.70	2.36	2.40	4.77	135.1	110.6	222.4	245.7	225.98	3.61	1.62	0.84
35-34-2-CA	970226	08:00	6.8	42.10	145.76	187.87	2.44	2.41	4.85	139.6	113.1	219.0	252.7	232.35	13.35	6.09	0.86
35-34-2-CA	970513	07:45	5.3	33.41	122.30	155.71	1.95	2.02	3.96	111.0	94.0	184.1	205.0	190.16	6.06	3.29	0.85
35-34-2-CA	970820	18:30	6.9	43.15	155.51	198.67	2.51	2.56	5.07	142.9	117.6	235.0	260.5	239.14	4.14	1.76	0.85
35-34-7-BA	960125																
35-34-7-BA	960504		6.2	40.46	172.07	212.52	2.41	2.84	5.25	137.0	132.3	264.0	269.3	246.52	-17.48	-6.62	0.81
35-34-7-BA	960711	09:00	6.5	51.81	171.86	223.67	2.99	2.84	5.83	171.1	132.0	263.0	303.1	275.80	12.80	4.87	0.85
35-34-7-BA	961022	18:00	7.0	52.38	180.52	232.89	3.01	2.98	5.99	172.4	137.6	275.5	310.0	281.85	6.35	2.31	0.85
35-34-7-BA	970226	08:45	6.5	52.30	180.25	232.54	3.00	2.98	5.98	171.8	138.2	264.0	310.0	281.93	17.93	6.79	0.88
35-34-7-BA	970513	08:30	6.5	47.17	169.06	216.22	2.70	2.79	5.48	154.3	129.8	251.7	284.2	259.83	8.13	3.23	0.86
35-34-7-BA	970820	18:00	7.1	63.43	167.75	231.18	3.64	2.77	6.41	208.8	128.3	252.0	337.1	304.53	52.53	20.85	0.92
35-34-7-DA	960125		7.2	37.38	220.37	257.75	2.15	3.65	5.80	123.0	170.5	322.0	293.4	266.68	-55.32	-17.18	0.80

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Leitfähigkeitsplausibilität

Kurz-Bez.	Entnahme JJMMTT	Uhrzeit hhmm	Temp. (° C)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	LF-Kat (Grenz)	LF-An (Grenz)	LF _{gem} (µS/cm b. 25 °C)	LF(Kat+An) Harned & Owen (µS/cm; 25 °C)	El. LF Rossum, 1975	Differenz Rossum- LF _{gem} (µS/cm)	Differenz Rossum- LF _{gem} (%)	Gesmin/ LF _{gem}
35-34-7-DA	960504		7.4	47.24	186.97	234.21	2.74	3.09	5.83	156.7	146.2	287.0	302.9	275.81	-11.19	-3.90	0.82
35-34-7-DA	960711	09:30	7.1	42.09	186.46	228.55	2.46	3.08	5.54	140.1	145.0	286.0	285.1	260.35	-25.65	-8.97	0.80
35-34-7-DA	961022	17:45	7.2	53.07	175.04	228.11	2.95	2.89	5.84	170.5	135.5	269.6	306.0	278.80	9.20	3.41	0.85
35-34-7-DA	970226	09:15	7.3	60.56	207.18	267.74	3.49	3.43	6.91	199.4	161.5	314.0	360.9	325.73	11.73	3.74	0.85
35-34-7-DA	970513	09:00	7.3	53.50	194.06	247.55	3.06	3.21	6.27	175.4	152.8	287.6	328.2	298.05	10.45	3.63	0.86
35-34-7-DA	970820	17:30	7.3	59.50	205.22	264.72	3.44	3.39	6.84	196.7	160.0	312.0	356.6	322.01	10.01	3.21	0.85
35-43-AB	960125		6.8	58.07	225.67	283.74	3.13	3.77	6.90	182.2	182.4	339.0	364.6	328.31	-10.69	-3.15	0.84
35-43-AB	960503		7.9	49.01	192.29	241.30	2.67	3.20	5.87	155.0	155.3	311.0	310.2	282.04	-28.96	-9.31	0.78
35-43-AB	960713	12:30	8.9	53.98	206.41	260.39	2.90	3.43	6.33	168.9	165.4	318.0	334.3	302.80	-15.20	-4.78	0.82
35-43-AB	961022	16:45	7.9	67.23	210.03	277.25	3.52	3.48	6.99	206.5	163.8	324.7	370.3	334.04	9.34	2.88	0.85
35-43-AB	970226	16:00	8.0	68.43	219.40	287.82	3.67	3.66	7.34	213.8	179.1	343.0	392.8	352.15	9.15	2.67	0.84
35-43-AB	970515	15:20	8.3	64.09	212.19	276.29	3.42	3.54	6.96	199.2	173.7	333.0	372.8	335.52	2.52	0.76	0.83
35-43-AB	970820	16:40	8.2	64.47	214.65	279.12	3.45	3.59	7.03	200.7	175.5	338.0	376.2	338.20	0.20	0.06	0.83
36-01-	961024	16:30	6.3	51.31	148.43	199.74	2.57	2.55	5.12	152.4	127.9	243.0	280.2	255.63	12.60	5.18	0.82
36-01-	970225	14:45	7.1	82.73	216.56	299.30	4.18	4.08	8.26	237.6	241.1	393.0	478.7	424.15	31.15	7.93	0.76
36-01-	970513	18:00	5.2	34.66	110.16	144.82	1.76	1.85	3.61	103.5	88.7	177.0	192.2	178.63	1.63	0.92	0.82
36-01-	970819	16:30	7.3	60.89	177.67	238.56	3.09	3.17	6.26	178.7	172.8	309.0	351.5	315.87	6.87	2.22	0.77
36-06-13-BA	961024	15:00	9.2									372.9					
36-06-13-BB	961024	15:00	8.8	672.29	1662.83	2335.12	34.78	33.32	68.09	2046.9	2483.5	2528.7	4530.4	2494.85	-33.88	-1.34	0.92
36-06-4-ABA	960124		3.6	67.59	188.94	256.53	3.75	3.28	7.04	216.3	176.8	378.0	393.1	345.73	-32.27	-8.54	0.68
36-06-4-ADA	960503		5.2	55.60	195.96	251.57	3.17	3.44	6.61	181.8	191.7	333.0	373.5	329.69	-3.31	-0.99	0.76
36-06-4-ADA	960710	14:10	5.2	51.46	205.60	257.06	2.95	3.62	6.57	169.0	203.0	332.0	372.0	327.99	-4.01	-1.21	0.77
36-06-4-ADA	961023	17:45	5.6	61.83	199.68	261.51	3.47	3.49	6.96	199.7	192.2	334.5	391.9	344.86	10.32	3.09	0.78
36-06-4-ADA	970225	13:15	5.2	75.46	232.92	308.38	4.18	4.22	8.40	240.7	254.1	393.0	494.7	425.32	32.32	8.22	0.78
36-06-4-ADA	970513	16:15	5.2	57.43	196.22	253.65	3.23	3.43	6.66	185.7	189.3	318.0	375.0	331.23	13.23	4.16	0.80
36-06-4-ADA	970819	15:30	5.3	59.01	195.36	254.37	3.30	3.46	6.75	189.7	196.8	334.0	386.5	339.78	5.78	1.73	0.76
36-06-6-CD	960124		8.5	48.44	237.20	285.64	2.86	3.94	6.80	162.3	183.9	374.0	346.2	311.80	-62.20	-16.63	0.76
36-06-6-CD	960503		8.2	55.19	219.84	275.03	3.14	3.68	6.82	180.1	177.7	335.0	357.8	321.06	-13.94	-4.16	0.82
36-06-6-CD	960710	15:40	7.7	39.44	194.97	234.42	2.14	3.23	5.38	124.5	150.2	304.0	274.7	250.71	-53.29	-17.53	0.77
36-06-6-CD	961023	18:10	7.4	68.42	212.05	280.47	3.56	3.53	7.10	209.4	166.5	323.7	375.8	337.44	13.73	4.24	0.87
36-06-6-CD	970225	14:15	8.5	68.34	223.67	292.01	3.79	3.74	7.52	218.4	179.1	342.0	397.6	355.02	13.02	3.81	0.85
36-06-6-CD	970513	16:50	8.2	64.61	222.46	287.07	3.63	3.73	7.35	208.6	179.2	341.0	387.8	346.73	5.73	1.68	0.84
36-06-6-CD	970819	16:00	8.3	71.88	258.00	329.88	4.12	4.33	8.45	235.8	209.5	378.0	445.3	393.95	15.95	4.22	0.87
36-08-1-A	960124		5.7	36.62	140.55	177.17	2.11	2.32	4.43	120.6	105.6	209.0	226.2	208.90	-0.10	-0.05	0.85
36-08-1-A	960503		4.7	31.78	108.07	139.85	1.79	1.78	3.57	103.1	82.2	171.0	185.3	172.47	1.47	0.86	0.82
36-08-1-A	960710	16:30	4.7	28.67	126.78	155.45	1.65	2.09	3.73	94.5	95.2	188.0	189.7	176.33	-11.67	-6.21	0.83
36-08-1-A	961024	12:45	4.8	36.38	120.97	157.35	2.00	1.99	3.99	115.8	91.4	183.0	207.2	192.01	9.00	4.92	0.86
36-08-1-A	970225	17:00	5.8	39.40	134.77	174.17	2.28	2.23	4.51	130.0	104.3	207.0	234.3	215.87	8.87	4.29	0.84
36-08-1-A	970513	18:30	5.3	28.79	97.63	126.42	1.55	1.60	3.15	90.2		158.0					0.80
36-08-1-A	970819	19:30	5.0	38.96	128.64	167.60	2.15	2.12	4.26	124.3	96.6	188.0	220.9	204.29	16.29	8.67	0.89

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Leitfähigkeitsplausibilität

Kurz-Bez.	Entnahme JJMMTT	Uhrzeit hhmm	Temp. (° C)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	LF-Kat (Grenz)	LF-An (Grenz)	LF _{gem} (µS/cm b. 25 °C)	LF(Kat+An) Harned & Owen (µS/cm; 25 °C)	El. LF Rossum, 1975	Differenz Rossum- LF _{gem} (µS/cm)	Differenz Rossum- LF _{gem} (%)	Gesmin/ LF _{gem}
36-12-1-HA	960124		7.5	34.06	183.74	217.80	1.90	3.03	4.92	109.6	137.7	266.0	247.2	227.11	-38.89	-14.62	0.82
36-12-1-HA	960503		7.1	43.73	157.73	201.46	2.43	2.60	5.03	140.4	120.2	246.0	260.7	239.16	-6.84	-2.78	0.82
36-12-1-HA	960710	12:30	7.3	35.57	159.15	194.72	2.00	2.62	4.62	115.1	120.5	250.0	235.6	217.09	-32.91	-13.16	0.78
36-12-1-HA	970225	15:30	7.3	49.35	156.46	205.80	2.66	2.58	5.24	155.0	119.4	242.0	274.4	251.56	9.56	3.95	0.85
36-12-1-HA	970513	11:45	6.9	44.06	151.52	195.58	2.39	2.49	4.89	138.8	114.5	230.0	253.3	233.03	3.03	1.32	0.85
36-12-1-HA	970819	18:45	7.8	51.35	175.71	227.06	2.81	2.89	5.71	163.1	132.7	264.0	295.7	270.04	6.04	2.29	0.86
36-12-1-K	960422	13:45	5.6	40.49	142.89	183.38	2.25	2.36	4.60	129.8	108.9	220.0	238.8	219.93	-0.07	-0.03	0.83
36-12-2-AA	960830	12:30	6.3	40.66	125.83	166.50	2.19	2.07	4.26	127.7	94.3	184.5	222.0	205.26	20.76	11.25	0.90
36-12-2-AA	970708	14:15	4.3	11.62	110.74	122.35	0.62	1.82	2.44	36.1	83.3	171.0	119.4	111.75	-59.25	-34.65	0.72
36-12-2-AB	960830	13:30	9.7	56.08	181.92	238.01	3.05	2.99	6.04	177.3	134.7	268.0	312.0	284.16	16.15	6.03	0.89
36-12-2-AB	970708	15:15	7.0	33.41	134.95	168.36	1.84	2.22	4.06	106.4	100.2	209.0	206.6	191.71	-17.29	-8.27	0.81
36-12-2-AE	960423	13:00	6.5	29.54	153.63	183.17	1.70	2.53	4.23	97.4	116.9	228.0	214.3	198.02	-29.98	-13.15	0.80
36-12-2-AE	960830	15:30	8.8	59.41	201.97	261.38	3.24	3.32	6.57	188.4	150.6	295.2	339.0	307.49	12.29	4.16	0.89
36-12-2-AE	961026	17:00	8.4	54.68	176.19	230.87	3.00	2.90	5.90	173.8	131.7	268.6	305.5	278.41	9.80	3.65	0.86
36-12-2-AE	970415	11:50	5.7	35.90	66.51	102.41	1.96	1.10	3.06	113.6	52.2	211.0	165.9	153.97	-57.03	-27.03	0.49
36-12-2-AE	970708	17:00	8.1	32.42	144.19	176.61	1.75	2.37	4.12	101.7	107.7	215.0	209.4	194.12	-20.88	-9.71	0.82
36-12-2-BAA	961026	12:30	6.8	41.54	134.04	175.58	2.25	2.21	4.46	130.8	100.8	205.6	231.6	213.71	8.07	3.92	0.85
36-12-2-BAA	970228	12:15	7.2	44.01	144.70	188.71	2.39	2.38	4.78	139.1	111.4	224.0	250.4	230.67	6.67	2.98	0.84
36-12-2-BAA	970418	14:00	7.0	40.82	143.65	184.47	2.21	2.37	4.57	128.3	109.3	217.0	237.6	219.22	2.22	1.02	0.85
36-12-2-BAB	961026	12:00	6.7	42.21	135.15	177.36	2.29	2.23	4.52	133.1	101.5	204.7	234.7	216.42	11.76	5.75	0.87
36-12-2-BAB	961116	12:30	7.0	44.45	149.37	193.82	2.42	2.46	4.88	140.4	112.3	223.0	252.7	232.45	9.45	4.24	0.87
36-12-2-BAB	970228	11:45	7.0	43.80	145.90	189.69	2.38	2.40	4.78	138.2	112.4	226.0	250.7	230.93	4.93	2.18	0.84
36-12-2-BAB	970418	13:30	7.1	42.93	147.91	190.84	2.33	2.44	4.76	135.2	112.4	224.0	247.6	227.99	3.99	1.78	0.85
36-12-2-BAB	970710	09:00	6.8	40.42	139.37	179.78	2.19	2.29	4.49	127.4	104.2	212.0	231.7	213.96	1.96	0.93	0.85
36-12-2-BAC	961026	14:00	7.7	54.74	175.39	230.13	2.93	2.89	5.83	171.2	131.5	265.7	302.7	276.03	10.37	3.90	0.87
36-12-2-BAC	961116	13:20	7.7	54.37	170.44	224.80	2.89	2.81	5.69	168.7	127.8	265.0	296.5	270.73	5.73	2.16	0.85
36-12-2-BAC	970228	13:50	7.7	48.24	157.17	205.41	2.57	2.59	5.15	149.8	118.4	242.0	268.3	246.23	4.23	1.75	0.85
36-12-2-BAC	970418	12:30	7.7	46.36	156.93	203.29	2.48	2.59	5.06	144.4	118.2	243.0	262.6	241.12	-1.88	-0.77	0.84
36-12-2-BAC	970710	09:45	7.8	49.18	168.98	218.16	2.64	2.78	5.42	153.7	126.3	256.0	280.0	256.46	0.46	0.18	0.85
36-12-2-BAD	961026	13:30	8.0	62.99	202.13	265.11	3.39	3.33	6.72	197.5	150.9	303.1	348.4	315.59	12.53	4.14	0.87
36-12-2-BAD	970228	13:30	7.9	54.57	178.02	232.59	2.93	2.93	5.86	170.8	134.3	273.0	305.1	278.41	5.41	1.98	0.85
36-12-2-BAD	970418	12:45	7.6	51.91	174.61	226.52	2.80	2.88	5.68	163.0	130.9	268.0	293.9	268.53	0.53	0.20	0.85
36-12-2-BAF	961026	11:30	7.0	58.90	190.29	249.18	3.16	3.13	6.30	184.4	142.5	288.3	326.9	297.05	8.76	3.04	0.86
36-12-2-BAF	961116	13:00	7.4	61.73	196.78	258.51	3.29	3.24	6.53	192.0	147.1	301.0	339.0	307.61	6.61	2.20	0.86
36-12-2-BAF	970228	12:50	7.4	53.19	178.18	231.37	2.84	2.93	5.78	165.8	134.3	269.0	300.0	274.04	5.04	1.88	0.86
36-12-2-BAF	970418	13:10	7.5	51.23	175.50	226.72	2.76	2.90	5.66	160.8	132.5	265.0	293.3	267.89	2.89	1.09	0.86
36-12-2-BAF	970710	09:30	7.0	54.63	185.94	240.57	2.95	3.06	6.01	171.6	138.9	280.0	310.5	283.04	3.04	1.09	0.86
36-12-2-BAG	961026	16:00	6.6	63.95	205.67	269.62	3.51	3.39	6.91	203.7	154.8	319.8	358.5	323.93	4.15	1.30	0.84
36-12-2-BAG	961116	14:15	6.9	66.26	211.96	278.22	3.65	3.49	7.14	211.4	159.5	320.0	370.9	334.48	14.48	4.53	0.87
36-12-2-BAH	961116	15:30	5.9	37.44	112.82	150.26	2.02	1.86	3.88	117.5	85.1	179.0	202.6	187.99	8.99	5.02	0.84

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Leitfähigkeitsplausibilität

Kurz-Bez.	Entnahme JJMMTT	Uhrzeit hhmm	Temp. (° C)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	LF-Kat (Grenz)	LF-An (Grenz)	LF _{gem} (µS/cm b. 25 °C)	LF(Kat+An) Harned & Owen (µS/cm; 25 °C)	El. LF Rossum, 1975	Differenz Rossum- LF _{gem} (µS/cm)	Differenz Rossum- LF _{gem} (%)	Gesmin/ LF _{gem}
36-12-2-BAH	970418	16:00	6.5	39.26	131.52	170.77	2.12	2.17	4.29	123.2	100.7	207.0	223.9	207.08	0.08	0.04	0.82
36-12-2-BAH	970710	11:00	6.0	34.29	111.57	145.86	1.83	1.84	3.67	106.9	83.6	182.4	190.5	177.35	-5.05	-2.77	0.80
36-12-2-BAI	961026	10:30	6.2	49.40	160.58	209.98	2.69	2.65	5.34	156.2	121.4	250.9	277.6	254.08	3.17	1.26	0.84
36-12-2-BAJ	961026	16:15															
36-12-2-BAJ	961116	16:15	8.1	56.53	188.59	245.12	3.12	3.11	6.23	180.6	141.8	279.0	322.5	293.13	14.13	5.06	0.88
36-12-2-BAJ	970228	14:45	8.2	48.97	173.49	222.45	2.69	2.86	5.55	156.0	130.0	255.0	286.0	261.67	6.67	2.62	0.87
36-12-2-BAJ	970418	11:00	8.0	42.78	156.74	199.52	2.37	2.58	4.95	137.1	117.4	243.0	254.6	234.07	-8.93	-3.67	0.82
36-12-2-BAJ	970710	11:00	8.1	54.30	182.39	236.68	3.00	3.00	6.00	173.6	135.5	276.0	309.1	281.76	5.76	2.09	0.86
36-12-2-BD	960124		6.8	34.20	155.12	189.32	1.89	2.56	4.46	109.5	118.4	220.0	227.9	210.27	-9.73	-4.42	0.86
36-12-2-BD	960421	18:15	6.2	33.71	117.55	151.27	1.87	1.94	3.81	108.1	91.1	187.0	199.2	184.82	-2.18	-1.17	0.81
36-12-2-BD	960421	21:00	6.3	25.39	116.56	141.95	1.42	1.93	3.35	82.1	90.3	186.0	172.4	160.75	-25.25	-13.57	0.76
36-12-2-BD	960422		6.1	34.01	116.50	150.51	1.89	1.93	3.81	109.0	91.9	185.0	200.9	186.28	1.28	0.69	0.81
36-12-2-BD	960422	03:00	6.0	38.32	117.36	155.68	2.10	1.96	4.06	122.0	94.4	185.0	216.4	200.13	15.13	8.18	0.84
36-12-2-BD	960422	06:00	5.9	32.76	115.30	148.06	1.82	1.91	3.73	105.4	91.0	183.0	196.4	182.27	-0.73	-0.40	0.81
36-12-2-BD	960422	09:00	5.9	33.97	114.21	148.18	1.88	1.89	3.77	108.9	90.3	181.0	199.2	184.71	3.71	2.05	0.82
36-12-2-BD	960422	12:00	6.0	22.26	112.02	134.27	1.26	1.85	3.11	72.5	87.4	181.0	159.9	149.41	-31.59	-17.45	0.74
36-12-2-BD	960422	15:00	6.0	19.69	111.15	130.84	1.13	1.84	2.97	64.7	86.6	180.4	151.3	141.54	-38.86	-21.54	0.73
36-12-2-BD	960422	18:00	6.0	22.39	111.88	134.26	1.26	1.85	3.11	72.6	88.3	179.3	160.9	150.25	-29.05	-16.20	0.75
36-12-2-BD	960422	21:00	6.0	29.18	110.01	139.19	1.64	1.82	3.46	94.6	86.1	177.9	180.7	168.28	-9.62	-5.41	0.78
36-12-2-BD	960423		6.0	28.97	111.43	140.40	1.63	1.84	3.48	94.1	87.7	176.8	181.7	169.17	-7.63	-4.31	0.79
36-12-2-BD	960423	03:00	5.8	30.84	114.89	145.73	1.72	1.90	3.62	99.5	89.9	176.4	189.4	176.12	-0.28	-0.16	0.83
36-12-2-BD	960423	06:00	5.9	22.06	110.20	132.26	1.25	1.82	3.07	71.8	86.7	175.4	158.5	148.16	-27.24	-15.53	0.75
36-12-2-BD	960423	09:00	5.9	32.04	105.56	137.60	1.78	1.74	3.52	103.0	80.9	174.4	183.9	171.17	-3.23	-1.85	0.79
36-12-2-BD	960423	12:00	5.9	31.50	105.08	136.58	1.76	1.73	3.50	101.7	80.9	173.7	182.7	170.07	-3.63	-2.09	0.79
36-12-2-BD	960423	15:00	5.9	32.51	106.86	139.37	1.81	1.76	3.57	104.5	82.6	173.1	187.1	174.01	0.91	0.53	0.81
36-12-2-BD	960423	18:00	5.9	30.38	108.28	138.65	1.70	1.79	3.49	98.2	84.9	172.4	183.0	170.36	-2.04	-1.18	0.80
36-12-2-BD	960423	21:00	5.9	24.21	106.83	131.04	1.37	1.77	3.14	78.8	83.7	169.9	162.5	151.84	-18.06	-10.63	0.77
36-12-2-BD	960424		5.8	28.63	107.47	136.10	1.60	1.78	3.38	92.4	84.2	169.9	176.6	164.62	-5.28	-3.11	0.80
36-12-2-BD	960424	03:00	5.7	35.37	107.44	142.81	1.94	1.78	3.72	112.6	84.1	169.9	196.7	182.54	12.64	7.44	0.84
36-12-2-BD	960424	06:00	5.7	32.61	107.34	139.95	1.81	1.77	3.59	104.8	84.0	168.9	188.8	175.45	6.55	3.88	0.83
36-12-2-BD	960424	09:00	5.7	28.59	104.77	133.36	1.60	1.73	3.33	92.2	82.0	168.7	174.2	162.45	-6.25	-3.70	0.79
36-12-2-BD	960424	12:00	5.7	23.62	106.02	129.64	1.33	1.75	3.08	76.3	83.0	167.7	159.3	148.97	-18.73	-11.17	0.77
36-12-2-BD	960424	15:00	5.7	28.33	101.94	130.26	1.59	1.69	3.28	91.6	78.4	166.8	170.0	158.52	-8.28	-4.96	0.78
36-12-2-BD	960424	18:00	5.7	29.75	106.01	135.76	1.66	1.75	3.41	95.9	82.5	165.9	178.4	166.25	0.35	0.21	0.82
36-12-2-BD	960503		5.7	29.16	101.84	131.00	1.62	1.68	3.30	93.7	78.5	160.0	172.2	160.63	0.63	0.39	0.82
36-12-2-BD	960710	13:00	5.9	32.83	121.62	154.45	1.84	2.00	3.84	106.1	91.7	190.0	197.8	183.63	-6.37	-3.35	0.81
36-12-2-BD	960826	18:45	6.2	23.75	140.12	163.86	1.38	2.31	3.69	78.6	105.9	214.0	184.5	171.40	-42.60	-19.91	0.77
36-12-2-BD	960827	18:00	6.4	41.72	136.82	178.54	2.28	2.25	4.53	132.4	103.2	209.0	235.6	217.26	8.26	3.95	0.85
36-12-2-BD	960827	21:00	6.4									209.0					
36-12-2-BD	960828		6.4	40.46	140.51	180.97	2.21	2.31	4.53	128.5	105.9	209.0	234.4	216.25	7.25	3.47	0.87

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Leitfähigkeitsplausibilität

Kurz-Bez.	Entnahme JJMMTT	Uhrzeit hhmm	Temp. (° C)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	LF-Kat (Grenz)	LF-An (Grenz)	LF _{gem} (µS/cm b. 25 °C)	LF(Kat+An) Harned & Owen (µS/cm; 25 °C)	El. LF Rossum, 1975	Differenz Rossum- LF _{gem} (µS/cm)	Differenz Rossum- LF _{gem} (%)	Gesmin/ LF _{gem}
36-12-2-BD	960828	03:00	6.4									209.0					
36-12-2-BD	960828	06:00	6.4	34.12	139.99	174.11	1.89	2.31	4.19	109.3	105.6	210.0	214.9	198.90	-11.10	-5.29	0.83
36-12-2-BD	960828	09:00	6.4	34.78	141.21	175.99	1.93	2.33	4.26	111.7	106.5	210.0	218.3	201.88	-8.12	-3.87	0.84
36-12-2-BD	960828	12:00	6.4	35.11	137.44	172.55	1.95	2.26	4.21	112.8	103.7	210.0	216.4	200.27	-9.73	-4.63	0.82
36-12-2-BD	960828	15:00	6.4	30.23	137.53	167.76	1.70	2.27	3.97	98.1	103.8	211.0	201.9	187.23	-23.77	-11.27	0.80
36-12-2-BD	960828	18:00	6.4	35.83	135.03	170.86	1.98	2.22	4.21	114.7	101.9	207.0	216.7	200.49	-6.51	-3.14	0.83
36-12-2-BD	960828	21:00	6.2	34.80	131.07	165.87	1.92	2.16	4.08	111.1	98.8	199.7	209.9	194.51	-5.19	-2.60	0.83
36-12-2-BD	960829		6.2	32.28	134.60	166.88	1.78	2.22	4.00	103.3	101.2	203.0	204.5	189.71	-13.29	-6.55	0.82
36-12-2-BD	960829	03:00	6.2	34.51	133.46	167.97	1.91	2.20	4.11	110.5	100.5	205.0	211.0	195.43	-9.57	-4.67	0.82
36-12-2-BD	960829	06:00	6.2	32.24	134.69	166.93	1.79	2.22	4.01	103.6	101.4	205.0	205.0	190.11	-14.89	-7.26	0.81
36-12-2-BD	960829	09:00	6.2	34.65	140.13	174.78	1.91	2.31	4.22	110.7	105.3	205.0	216.1	199.99	-5.01	-2.44	0.85
36-12-2-BD	960829	12:00	6.2	39.83	135.32	175.15	2.17	2.23	4.40	126.2	101.9	205.0	228.1	210.65	5.65	2.76	0.85
36-12-2-BD	960829	15:00	6.2	39.11	134.65	173.76	2.14	2.22	4.36	124.1	101.3	203.0	225.5	208.34	5.34	2.63	0.86
36-12-2-BD	960829	18:00	6.2	37.74	134.14	171.88	2.08	2.21	4.29	120.4	101.0	205.0	221.5	204.77	-0.23	-0.11	0.84
36-12-2-BD	960829	21:00	6.2									205.0					
36-12-2-BD	960830		6.1	38.32	133.56	171.89	2.10	2.20	4.30	122.0	100.7	205.0	222.6	205.82	0.82	0.40	0.84
36-12-2-BD	960830	03:00	6.2									206.0					
36-12-2-BD	960830	06:00	6.2	41.22	137.32	178.54	2.25	2.26	4.51	130.7	103.5	209.0	234.2	216.07	7.07	3.38	0.85
36-12-2-BD	960830	09:00	6.2									210.0					
36-12-2-BD	960830	12:00	6.2	41.17	137.88	179.05	2.25	2.27	4.52	130.5	103.9	211.0	234.4	216.20	5.20	2.47	0.85
36-12-2-BD	960830	15:00	6.3									211.0					
36-12-2-BD	961026	17:30	6.1	35.91	143.37	179.28	1.93	2.36	4.29	112.5	107.6	179.1	220.1	203.59	24.51	13.69	1.00
36-12-2-BD	961116	16:45	6.0	38.93	119.06	157.99	2.10	1.96	4.06	122.2	89.8	189.0	212.0	196.34	7.34	3.89	0.84
36-12-2-BD	970225	16:30	6.7	44.31	134.80	179.11	2.42	2.22	4.64	140.3	102.9	211.0	243.2	224.09	13.09	6.20	0.85
36-12-2-BD	970414	15:00	6.5	38.49	134.37	172.86	2.08	2.22	4.30	121.0	102.7	207.0	223.7	206.89	-0.11	-0.05	0.84
36-12-2-BD	970414	18:00	6.5	39.82	134.64	174.47	2.15	2.22	4.37	125.2	103.1	207.0	228.3	210.97	3.97	1.92	0.84
36-12-2-BD	970414	21:00	6.5	39.02	133.21	172.23	2.12	2.20	4.31	123.0	102.0	208.0	224.9	207.92	-0.08	-0.04	0.83
36-12-2-BD	970415		6.5	39.26	134.23	173.48	2.12	2.21	4.34	123.4	102.5	209.0	225.9	208.84	-0.16	-0.08	0.83
36-12-2-BD	970415	03:00	6.4	40.31	138.49	178.79	2.18	2.28	4.46	126.6	106.1	209.0	232.7	214.83	5.83	2.79	0.86
36-12-2-BD	970415	06:00	6.5	40.45	136.88	177.33	2.19	2.26	4.45	127.4	104.7	210.0	232.1	214.29	4.29	2.04	0.84
36-12-2-BD	970415	09:00	6.5	39.99	137.11	177.10	2.18	2.26	4.44	126.4	104.6	214.0	231.0	213.27	-0.73	-0.34	0.83
36-12-2-BD	970415	12:00	6.4	41.03	142.21	183.23	2.23	2.34	4.58	129.6	108.1	214.0	237.7	219.25	5.25	2.45	0.86
36-12-2-BD	970415	15:00	6.5	45.34	139.07	184.42	2.45	2.29	4.74	142.3	105.7	212.0	248.0	228.32	16.32	7.70	0.87
36-12-2-BD	970415	18:00	6.5	40.31	137.80	178.11	2.18	2.27	4.45	126.9	104.7	212.0	231.6	213.93	1.93	0.91	0.84
36-12-2-BD	970415	21:00	6.4	39.89	138.56	178.45	2.17	2.28	4.45	125.9	105.4	212.0	231.3	213.61	1.61	0.76	0.84
36-12-2-BD	970416		6.4	40.38	137.05	177.43	2.19	2.26	4.45	127.5	104.5	212.0	231.9	214.16	2.16	1.02	0.84
36-12-2-BD	970416	06:00	6.5	14.71	136.23	150.93	0.89	2.25	3.13	50.1	103.8	190.7	153.9	142.99	-47.71	-25.02	0.79
36-12-2-BD	970416	12:00	6.6	39.71	137.16	176.86	2.14	2.26	4.41	124.7	104.6	190.1	229.4	211.89	21.79	11.46	0.93
36-12-2-BD	970416	18:00	6.7	40.26	139.55	179.82	2.18	2.30	4.48	126.5	106.4	189.8	232.9	215.01	25.21	13.28	0.95
36-12-2-BD	970417		6.7	40.16	137.88	178.03	2.17	2.27	4.44	126.1	105.2	189.6	231.3	213.61	24.01	12.66	0.94

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Leitfähigkeitsplausibilität

Kurz-Bez.	Entnahme JJMMTT	Uhrzeit hhmm	Temp. (°C)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	LF-Kat (Grenz)	LF-An (Grenz)	LF _{gem} (µS/cm b. 25 °C)	LF(Kat+An) Harned & Owen (µS/cm; 25 °C)	El. LF Rossum, 1975	Differenz Rossum- LF _{gem} (µS/cm)	Differenz Rossum- LF _{gem} (%)	Gesmin/ LF _{gem}
36-12-2-BD	970417	06:00	6.7	33.89	138.19	172.08	1.84	2.28	4.12	106.9	105.3	189.7	212.1	196.58	6.88	3.63	0.91
36-12-2-BD	970417	12:00	6.6	40.98	137.29	178.27	2.21	2.26	4.48	128.8	104.8	190.1	233.6	215.63	25.53	13.43	0.94
36-12-2-BD	970417	18:00	6.6	39.92	139.09	179.01	2.16	2.29	4.46	125.8	106.1	190.1	231.8	214.08	23.98	12.62	0.94
36-12-2-BD	970418	08:00	6.7	40.11	137.54	177.65	2.18	2.27	4.45	126.5	105.2	190.1	231.7	213.93	23.83	12.54	0.93
36-12-2-BD	970418	17:00	6.7	47.69	137.93	185.62	2.59	2.28	4.86	150.3	105.4	191.0	255.6	234.82	43.82	22.94	0.97
36-12-2-BD	970513	12:10	5.8	30.31	104.45	134.76	1.62	1.72	3.34	94.7	79.6	155.7	174.3	162.91	7.21	4.63	0.87
36-12-2-BD	970705	15:00	6.0	34.65	125.58	160.23	1.87	2.07	3.94	109.1	94.8	185.4	203.8	189.28	3.88	2.09	0.86
36-12-2-BD	970705	18:00	6.0	35.54	121.41	156.96	1.92	2.00	3.91	111.5	91.8	185.6	203.4	188.87	3.27	1.76	0.85
36-12-2-BD	970705	21:00	5.9	34.59	119.62	154.22	1.87	1.97	3.84	108.9	90.6	183.5	199.5	185.35	1.85	1.01	0.84
36-12-2-BD	970706		5.9	35.33	123.66	158.98	1.89	2.04	3.92	109.7	93.4	182.1	203.1	188.70	6.60	3.63	0.87
36-12-2-BD	970706	03:00	6.1	36.95	128.60	165.56	2.00	2.12	4.12	116.4	97.1	197.0	213.4	197.81	0.81	0.41	0.84
36-12-2-BD	970706	06:00	6.9	40.62	138.79	179.40	2.22	2.28	4.51	129.0	104.0	213.0	233.0	215.15	2.15	1.01	0.84
36-12-2-BD	970706	09:00	6.7	37.70	136.02	173.72	2.06	2.24	4.29	119.3	101.8	200.0	221.1	204.67	4.67	2.33	0.87
36-12-2-BD	970706	12:00	6.4	36.50	136.35	172.85	1.97	2.24	4.21	114.8	101.8	189.4	216.6	200.68	11.28	5.96	0.91
36-12-2-BD	970706	15:00	6.2	34.20	117.66	151.86	1.84	1.94	3.77	107.0	88.4	178.7	195.4	181.71	3.01	1.69	0.85
36-12-2-BD	970706	18:00	6.1	35.66	114.51	150.17	1.92	1.88	3.80	111.6	86.0	175.5	197.6	183.72	8.22	4.68	0.86
36-12-2-BD	970706	21:00	6.0	33.40	117.30	150.69	1.79	1.93	3.72	104.5	87.9	175.9	192.3	179.01	3.11	1.77	0.86
36-12-2-BD	970707		6.1	33.85	115.31	149.16	1.81	1.90	3.71	105.7	86.7	175.5	192.4	179.07	3.57	2.03	0.85
36-12-2-BD	970707	03:00	5.9	39.44	114.35	153.79	2.11	1.88	3.99	123.0	85.8	175.0	208.8	193.65	18.65	10.66	0.88
36-12-2-BD	970707	06:00	5.9	33.32	116.44	149.76	1.79	1.91	3.71	104.3	87.4	174.1	191.8	178.50	4.40	2.53	0.86
36-12-2-BD	970707	09:00	5.9	33.87	114.55	148.41	1.82	1.88	3.70	106.1	86.1	175.1	192.1	178.81	3.71	2.12	0.85
36-12-2-BD	970707	12:00	6.0	33.77	115.75	149.52	1.81	1.90	3.72	105.7	86.9	178.2	192.6	179.24	1.04	0.59	0.84
36-12-2-BD	970707	15:00	6.6	36.38	127.10	163.48	1.97	2.09	4.06	114.5	95.1	192.5	209.6	194.39	1.89	0.98	0.85
36-12-2-BD	970707	18:00	6.5	35.17	123.41	158.58	1.90	2.03	3.94	110.6	93.1	184.3	203.7	189.19	4.89	2.65	0.86
36-12-2-BD	970707	21:00	6.4	35.63	119.92	155.55	1.92	1.97	3.89	111.8	89.8	179.0	201.6	187.34	8.34	4.66	0.87
36-12-2-BD	970708		6.3	33.88	118.45	152.32	1.82	1.95	3.76	105.8	88.7	174.5	194.5	180.95	6.45	3.70	0.87
36-12-2-BD	970708	03:00	6.3	33.41	125.13	158.54	1.79	2.06	3.85	104.4	93.5	173.2	197.9	184.02	10.82	6.24	0.92
36-12-2-BD	970708	06:00	6.3	33.64	118.08	151.72	1.80	1.94	3.75	105.2	88.3	174.1	193.4	179.97	5.87	3.37	0.87
36-12-2-BD	970708	09:00	6.1	33.78	111.20	144.97	1.81	1.83	3.64	105.6	83.1	172.5	188.7	175.75	3.25	1.88	0.84
36-12-2-BD	970708	12:00	6.3	34.09	115.64	149.73	1.83	1.90	3.73	106.5	86.5	174.9	193.1	179.62	4.72	2.70	0.86
36-12-2-BD	970708	15:00	6.3	34.37	115.45	149.82	1.84	1.90	3.74	107.3	86.6	173.2	193.9	180.36	7.16	4.13	0.87
36-12-2-BD	970708	18:00	6.2	37.01	112.79	149.80	1.99	1.86	3.84	115.8	85.0	175.1	200.8	186.41	11.31	6.46	0.86
36-12-2-BD	970708	21:00	6.3	33.06	114.64	147.70	1.78	1.89	3.66	103.5	85.9	175.4	189.4	176.32	0.92	0.52	0.84
36-12-2-BD	970709		6.3	25.14	116.01	141.14	1.35	1.91	3.26	78.7	87.1	175.0	165.8	154.99	-20.01	-11.44	0.81
36-12-2-BD	970709	03:00	6.1	24.36	114.68	139.04	1.31	1.89	3.19	76.1	85.9	175.1	162.1	151.62	-23.48	-13.41	0.79
36-12-2-BD	970709	06:00	5.9	33.57	117.55	151.11	1.80	1.93	3.74	105.0	88.5	176.2	193.5	180.09	3.89	2.21	0.86
36-12-2-BD	970709	12:00	6.1	34.27	117.14	151.41	1.85	1.93	3.77	107.5	87.8	177.8	195.3	181.60	3.80	2.14	0.85
36-12-2-BD	970709	18:00	6.1	34.12	118.06	152.18	1.84	1.94	3.78	107.0	88.6	180.5	195.6	181.96	1.46	0.81	0.84
36-12-2-BD	970710		6.3	35.14	119.26	154.39	1.90	1.96	3.86	110.4	89.7	181.6	200.1	185.98	4.38	2.41	0.85
36-12-2-BD	970710	06:00	6.1	34.97	117.05	152.01	1.89	1.93	3.81	109.8	87.9	183.0	197.7	183.79	0.79	0.43	0.83

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Leitfähigkeitsplausibilität

Kurz-Bez.	Entnahme JMMTT	Uhrzeit hhmm	Temp. (° C)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	LF-Kat (Grenz)	LF-An (Grenz)	LF _{gem} (µS/cm b. 25 °C)	LF(Kat+An) Harned & Owen (µS/cm; 25 °C)	El. LF Rossum, 1975	Differenz Rossum- LF _{gem} (µS/cm)	Differenz Rossum- LF _{gem} (%)	Gesmin/ LF _{gem}
36-12-2-BD	970710	12:00	6.2	36.60	120.19	156.79	1.97	1.98	3.95	114.7	90.4	182.8	205.1	190.37	7.57	4.14	0.86
36-12-2-BD	970710	18:00	6.0	22.00	124.09	146.09	1.19	2.04	3.23	69.1	93.3	184.6	162.4	151.70	-32.90	-17.82	0.79
36-12-2-BD	970711		6.1	26.75	135.65	162.40	1.44	2.23	3.67	84.0	101.3	182.0	185.3	172.46	-9.54	-5.24	0.89
36-12-2-BD	970711	06:00	6.0	36.45	120.57	157.01	2.01	1.98	3.99	116.2	89.3	182.1	205.5	190.76	8.66	4.75	0.86
36-12-2-BD	970711	12:00	6.4	17.90	119.18	137.08	0.96	1.96	2.92	56.1	88.2	182.7	144.3	135.06	-47.64	-26.07	0.75
36-12-2-BD	970711	18:00	6.4	26.69	119.49	146.18	1.44	1.97	3.41	83.8	89.7	182.6	173.6	162.05	-20.55	-11.25	0.80
36-12-2-BD	970819	19:00	6.1	48.58	129.40	177.99	2.62	2.13	4.75	152.5	96.8	195.0	249.2	229.16	34.16	17.52	0.91
36-12-2-BF	960422	11:40															
36-12-2-BF	970414	18:00	6.6									210.0					
36-12-2-BF	970415	09:00	6.7									216.0					
36-12-2-BF	970415	15:13															
36-12-2-BF	970415	18:00	6.7									216.0					
36-12-2-BF	970416	12:00	6.7									194.0					
36-12-2-BF	970416	18:00	6.7									194.0					
36-12-2-BF	970708	14:40															
36-12-2-BF	980108		6.7									214.0					
36-17-A	960710	11:30	9.3	50.83	241.92	292.74	3.22	4.03	7.25	180.3	191.5	367.0	371.8	332.78	-34.22	-9.32	0.80
36-17-A	961024	18:00	9.3	66.34	242.60	308.94	3.99	4.05	8.03	226.0	192.1	366.0	418.1	371.94	5.92	1.62	0.84
36-17-A	970225	11:30	9.3	68.17	243.46	311.63	4.11	4.05	8.16	232.5	192.3	368.0	424.8	377.68	9.68	2.63	0.85
36-17-A	970513	11:15	9.4	68.50	242.63	311.12	4.12	4.04	8.17	233.5	191.9	364.2	425.5	378.12	13.92	3.82	0.85
36-17-A	970819	11:00	9.3		218.44	218.44		3.58	3.58			365.0					0.60
37-03-JB	960123		4.7	40.48	219.43	259.91	2.50	3.62	6.12	140.9	166.1	308.0	307.0	278.92	-29.08	-9.44	0.84
37-03-JB	960504		4.9	41.32	170.46	211.78	2.55	2.81	5.35	143.5	129.0	259.0	272.4	249.20	-9.80	-3.79	0.82
37-03-JB	960711		8.2	46.12	196.29	242.41	2.84	3.23	6.07	159.9	147.1	293.0	307.1	279.38	-13.62	-4.65	0.83
37-03-JB	961022	12:40	8.4	47.60	164.99	212.59	2.82	2.72	5.54	160.2	124.1	250.9	284.3	259.64	8.73	3.48	0.85
37-03-JB	970226	13:00	4.2	50.60	180.39	230.99	3.04	3.97	6.01	172.1	138.1	271.0	310.2	282.37	11.37	4.20	0.85
37-03-JB	970515	10:15	5.5	48.47	176.03	224.51	2.91	2.90	5.80	164.7	132.5	260.0	297.2	271.05	11.05	4.25	0.86
37-03-JB	970820	10:30	9.2	56.35	247.73	304.08	3.38	4.07	7.45	191.7	184.0	312.0	375.7	338.59	26.59	8.52	0.97
37-04-E	960123																
37-04-E	960504		5.0	33.56	117.83	151.39	1.90	1.95	3.85	109.3	91.1	181.0	200.4	185.82	4.82	2.66	0.84
37-04-E	960711	15:00	5.8	35.16	136.49	171.65	2.01	2.25	4.26	115.3	104.4	214.0	219.7	202.94	-11.06	-5.17	0.80
37-04-E	961022	11:20	5.9	32.24	107.46	139.70	1.79	1.77	3.56	103.2	81.5	168.3	184.7	171.91	3.66	2.17	0.83
37-04-E	970226	11:30	5.8	42.33	144.29	186.62	2.35	2.38	4.74	135.6	112.9	225.0	248.5	228.60	3.60	1.60	0.83
37-04-E	970515	11:15	4.9	31.14	109.65	140.79	1.73	1.81	3.54	99.9	83.5	159.0	183.4	170.94	11.94	7.51	0.89
37-04-E	970820	10:00															
37-04-KB	960123		6.6	26.35	176.35	202.70	1.50	2.92	4.42	85.9	136.5	252.0	222.4	204.24	-47.76	-18.95	0.80
37-04-KB	960504		6.4	38.48	153.00	191.47	2.22	2.53	4.75	127.2	118.8	239.0	246.0	226.05	-12.95	-5.42	0.80
37-04-KB	960712	14:30	6.4	37.82	161.45	199.27	2.21	2.67	4.87	125.9	124.0	246.0	249.9	229.46	-16.54	-6.73	0.81
37-04-KB	961022	12:10	7.0	48.77	166.32	215.08	2.71	2.75	5.46	156.5	127.4	255.8	283.9	259.27	3.45	1.35	0.84
37-04-KB	970226	12:30	6.9	50.37	170.57	220.93	2.82	2.83	5.65	162.3	132.6	263.0	294.8	268.61	5.61	2.13	0.84

NATIONALPARK KALKALPEN

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Feldparameter & Leitfähigkeitsplausibilität

Kurz-Bez.	Entnahme JJMMTT	Uhrzeit hhmm	Temp. (° C)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	LF-Kat (Grenz)	LF-An (Grenz)	LF _{gem} (µS/cm b. 25 °C)	LF(Kat+An) Harned & Owen (µS/cm; 25 °C)	El. LF Rossum, 1975	Differenz Rossum- LF _{gem} (µS/cm)	Differenz Rossum- LF _{gem} (%)	Gesmin/ LF _{gem}
37-04-KB	970515	10:45	6.6	44.38	153.47	197.85	2.50	2.54	5.04	143.5	119.1	231.0	262.6	240.93	9.93	4.30	0.86
37-04-KB	970820	10:15	6.8	47.89	159.34	207.23	2.70	2.63	5.34	155.4	122.0	246.0	277.4	253.56	7.56	3.07	0.84
37-09-AB	960123		6.5	40.05	222.33	262.38	2.52	3.67	6.18	141.1	167.7	276.0	308.8	280.46	4.46	1.62	0.95
37-09-AB	960504		6.5	43.70	149.10	192.80	2.40	2.46	4.86	138.9	115.3	235.0	254.2	233.43	-1.57	-0.67	0.82
37-09-AB	960711	13:30	6.8	43.86	174.19	218.05	2.39	2.87	5.26	138.5	132.5	266.0	271.1	248.35	-17.65	-6.63	0.82
37-09-AB	961022	14:00	8.9	46.55	145.22	191.78	2.44	2.40	4.84	143.3	110.9	227.3	254.1	233.44	6.15	2.71	0.84
37-09-AB	970226	13:30	5.6	52.92	169.25	222.17	2.89	2.79	5.68	167.3	132.3	260.0	299.6	273.43	13.43	5.16	0.85
37-09-AB	970515	09:30	6.7	45.01	156.95	201.96	2.44	2.59	5.03	141.9	121.1	236.0	263.0	241.46	5.46	2.31	0.86
37-09-AB	970820	11:30	6.7	57.15	186.14	243.29	3.11	3.07	6.18	180.5	142.5	286.0	323.0	293.39	7.39	2.58	0.85
37-09-HB	960123																
37-09-HB	960504		6.6	36.31	146.33	182.64	2.08	2.42	4.50	119.4	115.0	229.0	234.4	215.99	-13.01	-5.68	0.80
37-09-HB	960711	12:40	6.6	40.07	165.85	205.92	2.30	2.74	5.03	131.6	128.3	254.0	259.9	238.37	-15.63	-6.15	0.81
37-09-HB	961022	14:30	6.5	45.44	147.27	192.71	2.50	2.43	4.93	144.8	113.0	228.3	257.8	236.60	8.32	3.65	0.84
37-09-HB	970226	13:45	6.4	55.38	175.90	231.29	3.18	2.91	6.09	182.3	139.8	265.0	322.1	292.49	27.49	10.37	0.87
37-09-HB	970515	08:45	6.5	42.32	148.35	190.68	2.35	2.45	4.80	135.7	116.3	228.0	252.0	231.78	3.78	1.66	0.84
37-10-ACC	960829	17:00	12.0	43.92	135.35	179.27	2.18	2.23	4.41	129.8	100.7	206.8	230.5	213.04	6.21	3.00	0.87
37-10-ACC	961025	14:00	5.3									242.0					
37-10-ACC	970708	10:45	7.9	31.63	78.36	109.99	1.63	1.30	2.92	95.9	59.5	119.0	155.4	145.32	26.32	22.12	0.92
37-10-B	960828	15:00	4.0	56.61	162.99	219.60	2.82	2.69	5.51	167.7	122.9	250.5	290.6	265.76	15.23	6.08	0.88
37-10-B	960828	18:00	4.0	57.23	165.13	222.35	2.85	2.72	5.57	169.6	124.3	255.4	293.9	268.59	13.20	5.17	0.87
37-10-B	960829		3.9	53.88	157.35	211.23	2.68	2.59	5.28	159.6	118.8	238.9	278.4	255.03	16.15	6.76	0.88
37-10-B	960829	06:00	4.0	54.32	154.32	208.64	2.71	2.54	5.25	161.0	116.2	239.9	277.2	253.95	14.10	5.88	0.87
37-10-B	960829	18:00	3.9	54.78	158.01	212.79	2.73	2.60	5.33	162.4	119.0	244.7	281.3	257.58	12.88	5.26	0.87
37-10-B	961025	15:00	2.8	39.86	113.55	153.41	1.97	1.88	3.85	117.2	86.6	184.0	203.8	189.09	5.09	2.77	0.83
37-10-B	970708	09:50	2.4	23.99	118.27	142.27	1.22	1.95	3.17	72.0	88.8	183.0	160.8	150.30	-32.70	-17.87	0.78
37-10-CB	960422	13:00	2.4	31.58	119.27	150.85	1.86	1.97	3.83	105.9	91.9	179.0	197.8	183.37	4.37	2.44	0.84
37-10-D	960422	13:45	3.1	34.02	132.98	167.00	1.90	2.20	4.10	109.5	105.0	200.0	214.4	198.57	-1.43	-0.71	0.83
37-10-D	960829	19:00	8.2	61.13	201.26	262.38	3.34	3.31	6.65	193.8	152.5	300.1	346.3	313.86	13.80	4.60	0.87
37-10-D	970416	11:30	2.0	45.09	72.49	117.58	2.45	1.20	3.66	142.5	59.6	243.0	202.1	185.48	-57.52	-23.67	0.48
37-10-II	960422	14:30	4.0	40.68	132.99	173.67	2.25	2.20	4.45	130.2	107.0	207.0	237.2	218.63	11.63	5.62	0.84
37-10-II	960829	10:30	5.7	50.73	173.02	223.75	2.84	2.85	5.69	163.7	131.8	261.2	295.4	269.75	8.54	3.27	0.86
37-10-II	970416	12:30	3.7	40.94	72.97	113.91	2.28	1.21	3.50	131.8	60.2	224.0	192.0	176.89	-47.11	-21.03	0.51
37-10-II	970708	08:40	5.0	36.81	131.94	168.76	1.85	2.18	4.02	109.5	102.7	209.0	212.2	196.90	-12.10	-5.79	0.81
37-10-J	960422	16:00	5.6	43.05	159.65	202.69	2.54	2.64	5.18	144.5	125.7	243.0	270.2	247.48	4.48	1.84	0.83
37-10-J	960829	11:30	7.1	56.12	192.92	249.04	3.17	3.18	6.36	182.5	147.4	286.5	329.9	299.36	12.90	4.50	0.87
37-10-J	970416	13:00	5.1	48.18	165.14	213.31	2.72	2.73	5.45	156.6	128.3	259.0	284.9	260.36	1.36	0.52	0.82
37-10-J	970708	11:00	7.1	42.67	177.10	219.77	2.28	2.92	5.20	132.5	135.7	264.0	268.2	246.25	-17.75	-6.73	0.83
37-12-AB	960123		6.4	37.65	215.93	253.58	2.29	3.57	5.85	129.3	164.9	313.0	294.2	267.57	-45.43	-14.51	0.81
37-12-AB	960421	15:00	6.3									235.0					
37-12-AB	960421	18:00	6.2	40.68	148.02	188.69	2.29	2.45	4.74	132.0	117.2	232.0	249.3	229.08	-2.92	-1.26	0.81

NATIONALPARK KALKALPEN

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Kurz-Bez.	Entnahme JJMMTT	Uhrzeit hhmm	Temp. (° C)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	LF-Kat (Grenz)	LF-An (Grenz)	LF _{gem} (µS/cm b. 25 °C)	LF(Kat+An) Harned & Owen (µS/cm; 25 °C)	El. LF Rossum, 1975	Differenz Rossum- LF _{gem} (µS/cm)	Differenz Rossum- LF _{gem} (%)	Gesmin/ LF _{gem}
37-12-AB	960421	21:00	6.2	40.19	147.82	188.01	2.26	2.45	4.70	130.0	116.9	130.0	247.0	227.11	97.11	74.70	1.45
37-12-AB	960422		6.2	39.15	147.08	186.23	2.21	2.43	4.64	127.1	116.2	230.0	243.4	223.95	-6.05	-2.63	0.81
37-12-AB	960422	03:00	6.2	36.19	142.15	178.34	2.02	2.35	4.37	116.6	110.4	227.0	227.0	209.58	-17.42	-7.68	0.79
37-12-AB	960422	06:00	6.2	41.52	141.98	183.51	2.33	2.35	4.68	134.4	111.8	224.0	246.2	226.42	2.42	1.08	0.82
37-12-AB	960422	09:00	6.2	40.95	143.14	184.08	2.31	2.37	4.68	132.9	113.3	224.0	246.2	226.38	2.38	1.06	0.82
37-12-AB	960422	12:00	6.2	42.25	143.85	186.11	2.37	2.38	4.75	136.6	113.9	225.0	250.5	230.20	5.20	2.31	0.83
37-12-AB	960422	15:00	6.2	42.15	143.22	185.37	2.38	2.37	4.75	137.0	113.4	225.0	250.4	230.04	5.04	2.24	0.82
37-12-AB	960422	18:00	6.2	40.44	138.47	178.91	2.27	2.29	4.55	130.7	107.1	221.0	237.7	219.02	-1.98	-0.90	0.81
37-12-AB	960422	21:00	6.2	36.38	141.42	177.81	2.03	2.34	4.37	117.2	112.2	220.0	229.3	211.62	-8.38	-3.81	0.81
37-12-AB	960423		6.2	31.85	144.09	175.93	1.80	2.38	4.18	103.5	112.3	220.0	215.8	199.54	-20.46	-9.30	0.80
37-12-AB	960423	03:00	6.2	30.58	137.51	168.09	1.72	2.28	3.99	99.0	108.1	217.0	207.1	191.79	-25.21	-11.62	0.77
37-12-AB	960423	06:00	6.2	30.34	137.29	167.62	1.71	2.27	3.98	98.5	106.6	217.0	205.1	189.98	-27.02	-12.45	0.77
37-12-AB	960423	09:00	6.2	33.85	134.04	167.89	1.91	2.21	4.12	110.0	103.7	216.0	213.7	197.78	-18.22	-8.43	0.78
37-12-AB	960423	12:00	6.2	26.32	137.31	163.63	1.50	2.27	3.77	86.2	107.3	215.0	193.5	179.57	-35.43	-16.48	0.76
37-12-AB	960423	15:00	6.2	30.39	136.47	166.86	1.70	2.26	3.96	98.2	107.3	214.0	205.5	190.36	-23.64	-11.05	0.78
37-12-AB	960423	18:00	6.1	36.97	132.82	169.79	2.04	2.20	4.24	118.0	105.0	212.0	222.9	206.01	-5.99	-2.82	0.80
37-12-AB	960423	21:00	6.1	35.40	134.98	170.37	2.01	2.23	4.24	115.4	106.4	212.0	221.8	204.90	-7.10	-3.35	0.80
37-12-AB	960424		6.2	30.25	132.67	162.93	1.71	2.19	3.90	98.2	104.4	212.0	202.7	187.86	-24.14	-11.39	0.77
37-12-AB	960424	03:00	6.1	34.31	134.34	168.65	1.96	2.22	4.18	112.4	104.8	208.0	217.2	200.84	-7.16	-3.44	0.81
37-12-AB	960424	06:00	6.1	26.19	130.58	156.76	1.44	2.16	3.60	83.6	102.0	206.0	185.6	172.51	-33.49	-16.26	0.76
37-12-AB	960424	09:00	6.2	34.20	130.37	164.56	1.92	2.15	4.07	110.5	102.1	205.0	212.6	196.83	-8.17	-3.99	0.80
37-12-AB	960424	12:00	6.2	37.56	130.34	167.89	2.10	2.15	4.25	121.0	101.0	205.0	222.0	205.14	0.14	0.07	0.82
37-12-AB	960424	15:00	6.2	27.55	129.88	157.44	1.53	2.15	3.67	88.3	102.2	203.0	190.4	176.92	-26.08	-12.85	0.78
37-12-AB	960424	18:00	6.1	35.32	129.18	164.50	1.96	2.14	4.09	113.0	101.6	202.0	214.6	198.59	-3.41	-1.69	0.81
37-12-AB	960504		6.2	39.52	144.35	183.86	2.27	2.38	4.65	129.9	110.8	226.0	240.7	221.61	-4.39	-1.94	0.81
37-12-AB	960711	12:00	6.6	43.45	173.73	217.19	2.54	2.86	5.41	145.0	132.2	266.0	277.2	253.51	-12.49	-4.70	0.82
37-12-AB	960826	20:15	7.1	38.04	202.89	240.92	2.40	3.35	5.74	134.2	154.5	310.0	288.7	263.07	-46.93	-15.14	0.78
37-12-AB	960827	18:00	7.1	69.74	202.68	272.42	3.95	3.34	7.30	227.3	154.2	305.0	381.5	342.88	37.88	12.42	0.89
37-12-AB	960827	21:00	7.1									306.0					
37-12-AB	960828		7.1	58.48	203.12	261.60	3.41	3.35	6.76	194.6	154.3	307.0	348.9	315.40	8.40	2.73	0.85
37-12-AB	960828	03:00	7.1		61.02	61.02		1.00	1.00			307.0					0.20
37-12-AB	960828	06:00	7.1	57.42	202.09	259.50	3.36	3.33	6.69	191.7	153.8	306.0	345.5	312.37	6.37	2.08	0.85
37-12-AB	960828	09:00	7.1									305.0					
37-12-AB	960828	12:00	7.1	57.14	205.36	262.50	3.34	3.39	6.73	190.7	155.9	307.0	346.6	313.43	6.43	2.09	0.86
37-12-AB	960828	15:00	7.1	56.27	205.28	261.56	3.23	3.38	6.61	185.1	155.8	307.0	340.9	308.66	1.66	0.54	0.85
37-12-AB	960828	18:00	6.8	52.79	179.54	232.33	2.94	2.96	5.90	169.7	137.0	273.0	306.7	279.17	6.17	2.26	0.85
37-12-AB	960828	21:00	6.7	55.46	179.95	235.41	3.10	2.97	6.06	178.6	137.1	276.0	315.7	287.00	11.00	3.99	0.85
37-12-AB	960829		6.7	54.95	184.07	239.02	3.07	3.03	6.10	177.0	139.5	280.0	316.5	287.76	7.76	2.77	0.85
37-12-AB	960829	03:00	6.8	52.64	188.07	240.70	2.91	3.10	6.01	168.1	143.0	284.0	311.2	283.26	-0.74	-0.26	0.85
37-12-AB	960829	06:00	6.8	57.41	188.48	245.89	3.21	3.11	6.31	185.0	143.3	285.0	328.3	297.85	12.85	4.51	0.86

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Feldparameter & Leitfähigkeitsplausibilität

Kurz-Bez.	Entnahme JJMMTT	Uhrzeit hhmm	Temp. (° C)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	LF-Kat (Grenz)	LF-An (Grenz)	LF _{gem} (µS/cm b. 25 °C)	LF(Kat+An) Harned & Owen (µS/cm; 25 °C)	El. LF Rossum, 1975	Differenz Rossum- LF _{gem} (µS/cm)	Differenz Rossum- LF _{gem} (%)	Gesmin/ LF _{gem}
37-12-AB	960829	09:00	6.9	56.86	186.22	243.08	3.21	3.07	6.28	184.9	140.8	284.0	325.7	295.69	11.69	4.12	0.86
37-12-AB	960829	12:00	6.9	55.70	185.89	241.58	3.13	3.06	6.20	180.4	140.8	283.0	321.3	291.84	8.84	3.12	0.85
37-12-AB	960829	15:00	7.0	51.47	185.32	236.78	2.80	3.05	5.85	162.7	140.4	280.0	303.1	276.33	-3.67	-1.31	0.85
37-12-AB	960829	18:00	7.1	55.15	185.77	240.92	3.13	3.06	6.19	180.0	140.6	279.0	320.6	291.23	12.23	4.38	0.86
37-12-AB	960829	21:00	7.1									280.0					
37-12-AB	960830		7.3	54.02	186.69	240.71	3.06	3.08	6.13	175.9	141.1	281.0	317.0	288.16	7.16	2.55	0.86
37-12-AB	960830	03:00	7.4									283.0					
37-12-AB	960830	06:00	7.3	55.09	188.79	243.87	3.14	3.11	6.25	180.2	142.8	284.0	323.0	293.34	9.34	3.29	0.86
37-12-AB	960830	09:00	7.4									285.0					
37-12-AB	960830	12:00	7.4	56.03	191.42	247.45	3.23	3.15	6.38	184.8	144.4	286.0	329.2	298.62	12.62	4.41	0.87
37-12-AB	960830	15:00	7.3									288.0					
37-12-AB	961022	10:30	6.8	44.76	149.20	193.96	2.54	2.46	5.00	145.8	113.0	228.3	258.8	237.49	9.22	4.04	0.85
37-12-AB	961025	17:45	6.9	56.55	200.10	256.65	3.31	3.30	6.62	188.9	152.5	303.0	341.5	308.90	5.90	1.95	0.85
37-12-AB	970226	14:15	6.4	51.27	175.79	227.06	2.94	2.90	5.85	168.7	137.7	267.0	306.3	279.14	12.14	4.55	0.85
37-12-AB	970414	15:00	6.3	52.66	180.50	233.17	3.07	2.98	6.04	174.9	138.6	243.0	313.5	285.09	42.09	17.32	0.96
37-12-AB	970414	18:00	6.3	50.03	182.20	232.24	2.93	3.01	5.94	167.0	139.7	246.0	306.7	279.27	33.27	13.52	0.94
37-12-AB	970414	21:00	6.3	50.01	182.83	232.84	2.93	3.02	5.94	166.7	140.3	247.0	307.0	279.51	32.51	13.16	0.94
37-12-AB	970415		6.3	51.17	182.56	233.73	3.00	3.01	6.01	170.7	140.3	247.0	311.0	282.93	35.93	14.55	0.95
37-12-AB	970415	03:00	6.3	50.91	181.93	232.84	2.98	3.00	5.99	169.9	139.9	248.0	309.9	281.96	33.96	13.69	0.94
37-12-AB	970415	06:00	6.3	51.36	182.44	233.80	2.99	3.01	6.00	170.4	140.2	249.0	310.5	282.61	33.61	13.50	0.94
37-12-AB	970415	09:00	6.3	51.55	185.60	237.15	3.02	3.06	6.08	172.1	142.6	252.0	314.7	286.09	34.09	13.53	0.94
37-12-AB	970415	12:00	6.4	52.09	188.45	240.54	3.05	3.11	6.16	173.9	144.5	256.0	318.5	289.41	33.41	13.05	0.94
37-12-AB	970415	15:00	6.4	51.27	188.33	239.60	3.00	3.11	6.11	170.8	144.5	251.0	315.3	286.72	35.72	14.23	0.95
37-12-AB	970415	18:00	6.4	51.45	182.43	233.88	3.00	3.01	6.01	171.1	140.2	253.0	311.3	283.21	30.21	11.94	0.92
37-12-AB	970415	21:00	6.4	56.29	187.88	244.17	3.27	3.10	6.37	186.8	144.1	254.0	330.9	300.00	46.00	18.11	0.96
37-12-AB	970416		6.4	51.02	191.07	242.08	2.98	3.15	6.13	169.9	146.4	251.0	316.3	287.59	36.59	14.58	0.96
37-12-AB	970416	06:00	6.4	51.47	182.42	233.89	3.00	3.01	6.01	171.0	140.0	248.0	311.0	282.99	34.99	14.11	0.94
37-12-AB	970416	12:00	6.4	50.06	178.83	228.88	2.93	2.95	5.88	167.1	137.5	246.0	304.5	277.36	31.36	12.75	0.93
37-12-AB	970416	18:00	6.4	52.20	178.24	230.44	3.03	2.94	5.98	173.3	137.0	245.0	310.3	282.32	37.32	15.23	0.94
37-12-AB	970417		6.4	50.48	182.64	233.12	2.95	3.01	5.97	168.3	140.4	249.0	308.7	280.97	31.97	12.84	0.94
37-12-AB	970417	06:00	6.4	50.39	187.33	237.72	2.96	3.09	6.05	168.5	143.7	252.0	312.2	283.97	31.97	12.69	0.94
37-12-AB	970417	12:00	6.4	51.04	186.73	237.77	3.00	3.08	6.08	170.9	143.3	254.0	314.2	285.70	31.70	12.48	0.94
37-12-AB	970417	19:30	6.4	52.31	192.68	244.99	3.08	3.18	6.26	175.4	147.5	257.0	322.9	293.23	36.23	14.10	0.95
37-12-AB	970418	08:15	6.4	45.17	71.73	116.90	2.67	1.20	3.87	151.9	59.2	260.0	211.2	192.13	-67.87	-26.10	0.45
37-12-AB	970418	19:30	6.4	51.18	193.06	244.25	3.02	3.19	6.20	171.6	147.7	260.0	319.4	290.16	30.16	11.60	0.94
37-12-AB	970514	19:30	5.9	34.37	123.19	157.56	1.86	2.03	3.89	108.2	94.8	186.0	202.9	188.49	2.49	1.34	0.85
37-12-AB	970705	15:00	6.9	53.22	207.81	261.03	3.12	3.43	6.55	177.9	159.1	306.0	337.0	305.41	-0.59	-0.19	0.85
37-12-AB	970705	18:00	6.9	53.65	207.63	261.28	3.15	3.42	6.58	179.7	158.5	307.0	338.2	306.38	-0.62	-0.20	0.85
37-12-AB	970705	21:00	6.9	55.27	205.79	261.07	3.24	3.39	6.64	184.9	155.9	306.0	340.7	308.66	2.66	0.87	0.85
37-12-AB	970706		6.9	56.36	207.17	263.53	3.30	3.42	6.72	188.3	158.6	306.0	346.9	313.82	7.82	2.56	0.86

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Leitfähigkeitsplausibilität

Kurz-Bez.	Entnahme JJMMTT	Uhrzeit hhmm	Temp. (°C)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	LF-Kat (Grenz)	LF-An (Grenz)	LF _{gem} (µS/cm b. 25 °C)	LF(Kat+An) Harned & Owen (µS/cm; 25 °C)	El. LF Rossum, 1975	Differenz Rossum- LF _{gem} (µS/cm)	Differenz Rossum- LF _{gem} (%)	Gesmin/ LF _{gem}
37-12-AB	970706	03:00															
37-12-AB	970706	06:00															
37-12-AB	970706	09:00															
37-12-AB	970706	12:00	6.6	40.52	139.38	179.90	2.26	2.30	4.55	130.3	106.0	213.0	236.3	217.97	4.97	2.33	0.84
37-12-AB	970706	15:00	6.8	41.87	145.53	187.40	2.35	2.40	4.75	135.5	110.4	222.0	245.9	226.43	4.43	1.99	0.84
37-12-AB	970706	18:00	6.8	43.03	152.38	195.41	2.44	2.51	4.94	140.0	115.6	232.0	255.6	234.92	2.92	1.26	0.84
37-12-AB	970706	21:00	6.7	42.88	153.58	196.46	2.43	2.53	4.96	139.5	116.5	232.0	256.0	235.23	3.23	1.39	0.85
37-12-AB	970707		6.7	47.47	154.95	202.43	2.68	2.55	5.23	154.2	117.5	236.0	271.8	249.01	13.01	5.51	0.86
37-12-AB	970707	03:00	6.7	40.65	158.78	199.44	2.31	2.62	4.93	132.7	121.4	238.0	254.1	233.68	-4.32	-1.81	0.84
37-12-AB	970707	06:00	6.7	44.58	157.55	202.13	2.54	2.60	5.14	145.7	119.7	240.0	265.4	243.55	3.55	1.48	0.84
37-12-AB	970707	09:00	6.7	44.25	158.81	203.06	2.52	2.61	5.14	144.7	120.4	241.0	265.1	243.21	2.21	0.92	0.84
37-12-AB	970707	12:00	6.7	15.44	165.55	180.99	0.93	2.73	3.66	52.5	125.8	244.0	178.3	164.12	-79.88	-32.74	0.74
37-12-AB	970707	15:00	6.4	40.73	146.47	187.19	2.23	2.41	4.64	129.2	112.1	217.0	241.4	222.45	5.45	2.51	0.86
37-12-AB	970707	18:00	6.4	39.07	146.36	185.43	2.14	2.41	4.55	124.2	111.0	217.0	235.1	216.97	-0.03	-0.01	0.85
37-12-AB	970707	21:00	6.5	40.86	144.04	184.90	2.24	2.37	4.62	130.0	108.9	216.0	239.0	220.33	4.33	2.01	0.86
37-12-AB	970708		6.6	41.44	145.16	186.59	2.31	2.39	4.70	133.3	109.3	220.0	242.6	223.55	3.55	1.61	0.85
37-12-AB	970708	03:00	6.6	35.20	149.38	184.58	1.97	2.46	4.43	113.4	113.1	226.0	226.5	209.28	-16.72	-7.40	0.82
37-12-AB	970708	06:00	6.6	34.30	151.82	186.13	1.93	2.50	4.43	110.9	115.3	229.0	226.2	209.02	-19.98	-8.73	0.81
37-12-AB	970708	09:00	6.6	45.78	153.32	199.10	2.57	2.53	5.10	148.0	116.3	227.0	264.3	242.56	15.56	6.85	0.88
37-12-AB	970708	12:00	6.6	41.23	154.13	195.36	2.32	2.54	4.86	133.5	116.9	230.0	250.4	230.37	0.37	0.16	0.85
37-12-AB	970708	15:00	6.6	44.50	155.11	199.60	2.51	2.55	5.06	144.4	117.8	236.0	262.1	240.64	4.64	1.97	0.85
37-12-AB	970708	18:00	6.6	35.11	176.73	211.84	1.98	2.91	4.89	114.0	133.4	240.0	247.3	227.41	-12.59	-5.24	0.88
37-12-AB	970708	21:00	6.6	46.11	163.09	209.20	2.61	2.69	5.30	150.2	125.0	244.0	275.2	252.20	8.20	3.36	0.86
37-12-AB	970709		6.7	47.00	162.54	209.54	2.67	2.68	5.35	153.5	123.5	247.0	277.0	253.58	6.58	2.66	0.85
37-12-AB	970709	03:00	6.8	48.52	166.10	214.63	2.75	2.74	5.48	158.0	125.8	250.0	283.9	259.55	9.55	3.82	0.86
37-12-AB	970709	06:00	6.8	47.57	169.31	216.88	2.72	2.79	5.51	155.9	128.8	253.0	284.7	260.35	7.35	2.91	0.86
37-12-AB	970709	12:00	6.8	49.08	175.85	224.94	2.82	2.90	5.71	161.4	133.3	258.0	294.7	269.01	11.01	4.27	0.87
37-12-AB	970709	18:00	6.8	49.14	176.97	226.11	2.83	2.91	5.75	162.2	134.1	264.0	296.2	270.34	6.34	2.40	0.86
37-12-AB	970710		6.8	41.97	178.13	220.10	2.43	2.93	5.36	138.9	135.3	268.0	274.2	251.10	-16.90	-6.31	0.82
37-12-AB	970710	06:00	6.8	54.25	179.64	233.90	3.17	2.96	6.13	180.7	136.6	277.0	317.3	288.31	11.31	4.08	0.84
37-12-AB	970710	12:30	6.8	52.87	188.56	241.42	3.08	3.11	6.19	176.0	143.3	284.0	319.3	290.13	6.13	2.16	0.85
37-12-AB	970710	18:00	6.9	53.39	204.90	258.29	3.12	3.38	6.50	177.9	155.7	287.0	333.7	302.64	15.64	5.45	0.90
37-12-AB	970711		6.7	49.68	175.67	225.34	2.82	2.89	5.72	162.0	133.5	261.0	295.5	269.67	8.67	3.32	0.86
37-12-AB	970711	06:00	6.7	49.89	177.60	227.48	2.85	2.93	5.78	163.6	135.0	265.0	298.6	272.33	7.33	2.76	0.86
37-12-AB	970711	12:00	6.8	51.98	181.11	233.08	2.98	2.99	5.96	170.7	137.9	272.0	308.5	280.95	8.95	3.29	0.86
37-12-AB	970711	18:00	6.8	56.32	182.96	239.27	3.23	3.02	6.25	185.1	139.2	274.0	324.3	294.47	20.47	7.47	0.87
37-12-AB	970820	12:10	6.8	57.62	207.27	264.89	3.36	3.42	6.77	191.7	157.5	304.0	349.2	315.76	11.76	3.87	0.87
37-14-01-AG	960123				61.02	61.02		1.00	1.00								
37-14-03-A	960123		6.8	50.10	251.75	301.85	3.00	4.17	7.17	170.2	193.6	368.0	363.8	327.24	-40.76	-11.08	0.82
37-14-03-A	960504		7.4	58.07	224.76	282.83	3.43	3.74	7.17	195.1	178.0	340.0	373.1	334.68	-5.32	-1.57	0.83

NATIONALPARK KALKALPEN

Planungsabschnitt Ost

Proj. 1603: Karstdynamik im Nationalpark Kalkalpen

HYDROCHEMIE

Quellen

Feldparameter & Leitfähigkeitsplausibilität

Kurz-Bez.	Entnahme JJMMTT	Uhrzeit hhmm	Temp. (° C)	Kationen (mg/l)	Anionen (mg/l)	Gesamt (mg/l)	Kationen (meq/l)	Anionen (meq/l)	Gesamt (meq/l)	LF-Kat (Grenz)	LF-An (Grenz)	LF _{gem} (µS/cm b. 25 °C)	LF(Kat+An) Harned & Owen (µS/cm; 25 °C)	El. LF Rossum, 1975	Differenz Rossum- LF _{gem} (µS/cm)	Differenz Rossum- LF _{gem} (%)	Gesmin/ LF _{gem}
37-14-03-A	960711	11:30	7.5	50.33	226.61	276.94	3.05	3.77	6.82	172.6	178.3	347.0	350.8	315.76	-31.24	-9.00	0.80
37-14-03-A	970226	10:45	6.8	63.70	223.62	287.32	3.72	3.71	7.43	211.9	175.9	342.0	387.8	347.75	5.75	1.68	0.84
37-14-03-A	970515	13:10	7.5	65.90	219.33	285.23	3.87	3.65	7.52	220.3	175.3	358.0	395.7	353.42	-4.58	-1.28	0.80
37-14-03-A	970820	12:30	7.6	67.95	239.07	307.02	3.97	3.98	7.95	226.4	189.5	361.0	415.9	370.85	9.85	2.73	0.85
37-19-ABB	960123		8.6	127.31	325.74	453.05	7.21	5.66	12.87	414.4	306.2	704.0	720.6	600.76	-103.24	-14.66	0.64
37-19-ABB	960504		9.1	109.91	460.50	570.41	6.27	8.47	14.74	359.7	531.2	703.0	891.0	716.31	13.31	1.89	0.81
37-19-ABB	960712	19:45	9.2	144.46	440.82	585.28	8.11	8.09	16.20	467.4	505.1	722.0	972.4	775.59	53.59	7.42	0.81
37-19-ABB	961025	08:30	8.8	145.82	441.26	587.08	8.17	8.08	16.26	471.3	502.9	722.0	974.2	777.07	55.07	7.63	0.81
37-19-ABB	970515	13:45	9.1	137.85	439.06	576.91	7.77	8.04	15.81	446.8	499.8	713.0	946.6	758.35	45.35	6.36	0.81
37-19-ABB	970820	13:00	9.5	131.65	443.54	575.19	7.42	8.15	15.56	426.7	510.0	710.0	936.6	750.90	40.90	5.76	0.81
37-21-M	960125		3.6	70.62	304.16	374.78	4.11	5.27	9.38	234.4	282.4	468.0	516.8	445.72	-22.28	-4.76	0.80
37-21-M	960503		8.1	59.89	224.13	284.01	3.46	3.82	7.28	197.9	195.5	358.0	393.4	348.58	-9.42	-2.63	0.79
37-21-M	960713	11:30	9.4	54.61	233.04	287.65	3.30	3.92	7.12	182.3	193.6	357.0	375.9	335.16	-21.84	-6.12	0.81
37-21-M	961022	16:00	8.9	78.09	265.48	343.56	4.37	4.44	8.81	251.9	213.8	406.4	465.7	411.17	4.80	1.18	0.85
37-21-M	970226	15:00	6.0	75.33	247.01	322.34	4.30	4.22	8.52	246.3	219.4	389.0	465.7	407.51	18.51	4.76	0.83
37-21-M	970515	14:50	9.4	67.84	225.13	292.97	3.83	3.83	7.66	219.7	195.8	351.0	415.5	367.21	16.21	4.62	0.83
37-21-M	970820	14:50	10.8	67.79	275.35	343.13	3.86	4.71	8.57	221.4	243.9	435.0	465.3	406.83	-28.17	-6.48	0.79

ANHANG A-6

HYDROCHEMIE - QUELLEN

TROCKENRÜCKSTAND, ELEKTRISCHE LEITFÄHIGKEIT IONENSUMME

Erläuterungen:

Spalte GIS_ID: Eindeutige Kennung einer Meßstelle innerhalb der Datenbank "QUELLDAT.MDB".

Spalte Flußverzeichnis: Bezeichnung einer Meßstelle innerhalb des NPK-Flußnummernsystems.

Spalte Kurzname (Monitoring): Bezeichnung einer Meßstelle innerhalb der Datenbank "QUELLDAT.MDB" für Zwecke des Karstquellen-Monitoring.

Spalte Datum (JJMMTT): Entnahmedatum der Probe.

Spalte Elektr. Leitfähigkeit ($\mu\text{S}/\text{cm}$): Vor Ort gemessene elektrische Leitfähigkeit (Referenztemperatur 25°C).

Spalte Ionensumme (mg/l): Aus der chemischen Analyse berechnete Summe der Ionen-Konzentration.

Spalte Ionensumme-HCO₃ (mg/l): Differenz aus der Spalte Ionensumme und dem Hydrogencarbonatgehalt.

Spalte TDS (mg/l): Im Labor bestimmter Trockenrückstand (auch Abdampfrückstand).

*Spalte TDS+0.5*HCO₃ (mg/l):* Summe aus Trockenrückstand und der Hälfte des Hydrogencarbonatgehaltes

Spalte Abweichung v. Ionensumme (%): Differenz aus Ionensumme und der vorhergehenden Spalte mit $\text{Ionensumme} = 100\%$

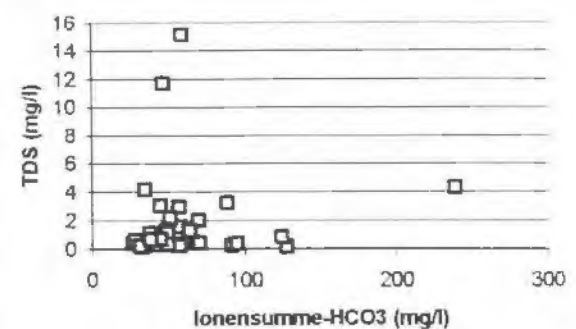
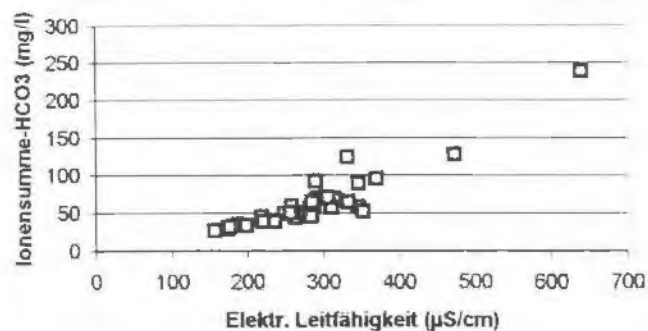
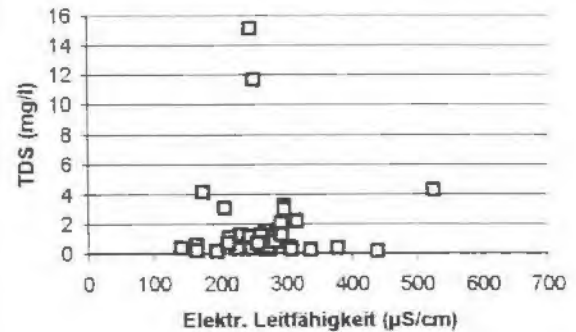
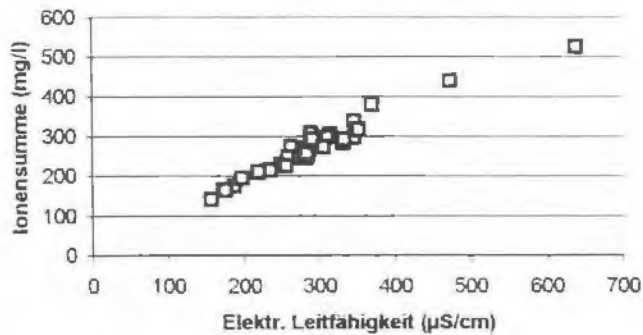
Diagramm Elektr. Leitfähigkeit zu Ionensumme: Zwischen diesen beiden Parametern sollte (trivialerweise) eine lineare Beziehung bestehen, zumindest bei verdünnten Wässern, wie sie im Kalkalpin in der überwiegenden Zahl vorkommen.

Diagramm Elektr. Leitfähigkeit zu TDS: Insofern der TDS korrekt bestimmt wurde, sollte auch hier eine lineare Beziehung bestehen.

Diagramm Elektr. Leitfähigkeit zu Ionensumme-HCO₃: Die Linearität sollte mit der des ersten Diagramms vergleichbar sein.

Diagramm Ionensumme-HCO₃ zu TDS: Es sollte sich ein ähnliches Bild wie beim zweiten Diagramm ergeben.

GIS_ID	Flußverzeichnis	Kurzname (Monitoring)	Datum (JJMMTT)	Elektr. Leitfähigkeit ($\mu\text{S}/\text{cm}$)	Ionensumme (mg/l)	Ionensumme - HCO ₃ (mg/l)	TDS (mg/l)	TDS+ 0.5*HCO ₃ (mg/l)	Abweichung v. Ionensumme (%)
1185	33-138-1-EBA	KARL	950818	346.86	296.53	88.46	3.22	107.25	63.8
1132	33-138-7-AA	SAG	950818	283.21	245.09	55.82	0.30	94.94	61.3
143	34-01-7-CFA	BAUX	950817	315.50	305.48	68.56	0.40	118.86	61.1
37	34-02-1-ABC	AMQ	950817	262.92	274.15	43.26	0.26	115.70	57.8
176	34-02-3-J	HAS3	950817	289.74	306.71	91.26	0.24	107.96	64.8
186	34-02-4-1-ACA	SIQ	950817	249.08	229.91	48.69	1.26	91.87	60.0
368	34-02-4-2-DBC	AHO	950817	218.63	206.37	44.62	3.04	83.92	59.3
360	34-02-4-2-F	JOEA	950817	261.07	244.09	49.45	1.12	98.44	59.7
359	34-02-4-2-I	JOEQ	950817	282.29	269.72	50.24	0.26	110.00	59.2
1062	34-03-AD	KEIX	950817	310.89	296.54	56.93	2.94	122.74	58.6
419	34-09-C	PRED-N	950817	287.82	267.83	57.75	1.52	106.56	60.2
858	34-09-E	LILA	950817	473.25	438.60	127.17	0.12	155.83	64.5
896	34-16-1-OA	WEIS	950817	346.86	337.30	57.42	0.22	140.16	58.4
B1211	35-20-BBA	VRQ	950818	187.59	174.30	34.70	4.14	73.94	57.6
1000	35-24-LE	TRAU	950818	291.51	291.71	69.55	1.98	113.06	61.2
272	35-28-DAA	EFF	950818	258.30	246.44	59.18	15.14	108.77	55.9
316	35-34-1-ACB	FEIS	950819	156.83	140.56	26.46	0.34	57.39	59.2
231	35-34-2-CB	KWQ	950819	197.81	194.51	32.76	0.14	81.02	58.3
308	35-34-7-DA	RAMS	950819	256.31	225.60	49.75	0.30	88.22	60.9
520	35-43-AB	RIM	950819	306.27	272.31	70.29	0.40	101.41	62.8
1111	36-06-13-AA	HAGA	950818	352.40	316.26	51.15	2.16	134.72	57.4
1191	36-06-2-I	HANS	950817	285.98	260.92	64.27	1.20	99.53	61.9
841	36-06-4-ABA	DAMU-T	950817	332.10	282.02	123.62	0.80	80.00	71.6
1161	36-06-6-CD	ROSE	950817	369.93	378.62	94.72	0.36	142.31	62.4
839	36-08-1-A	PIES	950818	173.43	164.59	28.34	0.58	68.70	58.3
919	36-12-1-C	FIBA	950818	285.06	251.71	47.00	11.68	114.03	54.7
923	36-12-1-HA	FIQ	950818	235.24	213.18	38.00	1.06	88.65	58.4
258	36-12-2-8D	HRQ	950818	176.20	163.80	31.58	0.16	66.27	59.5
1216	37-03-JB	KRA	950819	284.13	256.11	44.69	0.66	106.37	58.5
228	37-04-KB	HOCH	950819	220.09	210.81	38.32	0.64	86.89	58.8
812	37-14-03-A	WEL	950819	333.03	292.20	64.00	1.24	115.34	60.5
521	37-19-ABB	KÖHL	950819	639.85	525.25	238.66	4.26	147.56	71.9



ANHANG A-7

HYDROCHEMIE - QUELLEN

RICHTZAHLEN, ZULÄSSIGE HÖCHSTKONZENTRATIONEN

Erläuterungen:

Grau unterlegte Tabellenfelder heben Überschreitungen hervor

Tabelle Physikalische Parameter

Spalte **GIS_ID**: Eindeutige Kennung einer Meßstelle innerhalb der Datenbank "QUELLDAT.MDB".

Spalte **Flußverzeichnis**: Bezeichnung einer Meßstelle innerhalb des NPK-Flußnummernsystems.

Spalte **Kurzname (Monitoring)**: Bezeichnung einer Meßstelle innerhalb der Datenbank "QUELLDAT.MDB" für Zwecke des Karstquellen-Monitoring.

Spalte **Meßtermine (Anzahl)**: Gesamtanzahl der an der betreffenden Quelle vorhandenen Datensätze.

Spalte **LF**: Gesamtanzahl der bei der betreffenden Meßstelle vorhandenen Leitfähigkeitsmessungen (Referenztemperatur 25°C).

Spalte **LF (RZ) 446**: Anzahl der an der Quelle festgestellten Überschreitungen der EU-Richtzahl für die elektrische Leitfähigkeit (s. weitere Erläuterungen im Text S.17: Tab. 7).

Spalte **T**: Gesamtanzahl der bei der betreffenden Meßstelle vorhandenen Temperaturmessungen.

Spalte **T (RZ) 12**: Anzahl der an der Quelle festgestellten Überschreitungen der EU-Richtzahl für die Temperatur.

Spalte **T (ZHK) 25**: Anzahl der an der Quelle festgestellten Überschreitungen der EU-ZHK für die Wassertemperatur.

Spalte **pH**: Gesamtanzahl der bei der betreffenden Meßstelle vorhandenen pH-Wert-Messungen.

Spalte **pH (RZ) 6.5-8.5**: Anzahl der an der Quelle festgestellten Überschreitungen der EU-Richtzahl für den pH-Wert.

Spalte **pH (ZHK) 9.5**: Anzahl der an der Quelle festgestellten Überschreitungen der EU-ZHK für den pH-Wert.

Spalte **O₂-Sätt.**: Gesamtanzahl der bei der betreffenden Meßstelle vorhandenen O₂-Sättigungsindizes.

Spalte **O₂-Sätt. >75**: Gesamtanzahl der an der Quelle festgestellten Unterschreitungen des EU-empfohlenen Sättigungswertes.

Spalte **Trübung**: Gesamtanzahl der bei der betreffenden Meßstelle vorhandenen Trübungsmessungen.

Spalte **Trübung (Ö-RZ) 1.5**: Anzahl der an der Quelle festgestellten Überschreitungen der Österr. RZ.

Spalte **SAK 436nm**: Gesamtanzahl der bei der betreffenden Meßstelle vorhandenen Messungen des Spektralen Absorptionskoeffizienten bei 436 nm.

Spalte **SAK 436nm (Ö-RZ) 0.5**: Anzahl der an der Quelle festgestellten Überschreitungen der Österr. RZ.

Tabelle Chemische Parameter

Die Bezeichnung der Spalten ist analog zu denen für der physikalischen Parameter.

Spalten mit Stoffbezeichnungen ohne Zusatz: Gesamtanzahl der für die betreffende Quelle vorhandenen Messungen dieses Stoffes.

Spalten mit Stoffbezeichnungen mit Zusatz RZ und Zahlenwert: Angabe der Anzahl der Überschreitungen der EU-Richtzahl.

Spalten mit Stoffbezeichnungen mit Zusatz ZHK und Zahlenwert: Angabe der Anzahl der Überschreitungen der in der EU zulässigen Höchstkonzentration.

Ö-ZHK: Zulässige Höchstkonzentration in Österreich.

Ö-SW: Zulässiger Schwellenwert in Österreich nach der Grundwasser-Schwellenwert-Verordnung.

MK: Mindestkonzentration.

WK: Wirkkonzentration (bei Überschreitung sind gesundheitliche Wirkungen möglich).

Diagramme

Die Diagramme veranschaulichen graphisch nochmals die tabellierten Werte

NATIONALPARK KALKALPEN

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HYDROCHEMIE

Quellen - Physikal. Parameter

Richtzahlen, Zulässige Höchstkonzentrationen

GIS-ID	Flußverzeichnis	Kurzname (Monitoring)	Mess- Termine Anzahl	LF	LF- (RZ) 446	T	T- (RZ) 12	T- (ZHK) 25	pH	pH- (RZ) 6.5-8.5	pH- (ZHK) 9.5	O ₂ - Sätt.	O ₂ - Sätt. >75	Trübung	Trübung (Ö-RZ) 1.5	SAK 436nm	SAK 436nm (Ö-RZ) 0.5
104	33-138-12-AI	SAND	1	1	0	1	0	0	1	0	0	0	0	1	0	1	1
1014	33-138-13-AA	LAUS	11	11	0	11	0	0	11	0	0	6	0	11	0	11	2
1142	33-138-1-CE	ROK	7	7	0	7	0	0	7	0	0	6	0	7	0	7	0
1185	33-138-1-EBA	KARL	4	4	0	4	0	0	4	0	0	0	0	4	0	4	0
A123	33-138-2-	LABA	3	3	0	3	0	0	3	0	0	3	0	3	0	3	0
1132	33-138-7-AA	SAG	7	6	0	6	0	0	6	0	0	5	0	6	0	6	1
1300	33-138-7-AB	SAG2	1	1	0	1	0	0	1	0	0	1	0	1	0	1	0
135	34-01-7-CDA	ASCH	1	1	1	1	0	0	1	0	0	0	0	1	0	1	0
143	34-01-7-CFA	BAUX	1	1	0	1	0	0	1	0	0	0	0	1	0	1	1
A021	34-02-1-ABA	AMQ1	3	3	0	3	0	0	3	0	0	0	0	1	0	3	0
37	34-02-1-ABC	AMQ	11	11	0	11	0	0	11	0	0	5	0	11	0	11	1
178	34-02-3-ECB	GEIER	5	5	0	5	0	0	5	0	0	5	0	5	0	5	0
181	34-02-3-GB	GOLD	12	8	0	8	0	0	8	1	1	1	0	7	0	8	0
180	34-02-3-H	HAS2	1	1	0	1	0	0	1	0	0	0	0	1	0	1	0
176	34-02-3-J	HAS3	20	20	0	20	0	0	20	1	0	6	0	18	1	20	4
186	34-02-4-1-ACA	SIQ	15	15	0	15	0	0	15	1	0	4	0	13	0	15	2
368	34-02-4-2-DBC	AHO	18	18	0	18	0	0	16	0	0	6	0	16	0	18	2
360	34-02-4-2-F	JOEA	19	19	0	19	0	0	18	1	0	6	0	17	3	19	3
359	34-02-4-2-I	JOEQ	20	20	0	20	0	0	19	1	0	6	0	18	0	20	1
1062	34-03-AD	KEIX	1	1	0	1	0	0	1	0	0	0	0	1	0	1	1
860	34-09-BA	PRED-S	3	3	0	3	0	0	3	0	0	0	0	3	0	3	0
419	34-09-C	PRED-N	15	15	0	14	1	0	15	0	0	5	0	15	1	15	2
858	34-09-E	LILA	3	3	2	3	0	0	3	0	0	2	0	3	0	3	0
896	34-16-1-OA	WEIS	72	72	0	72	0	0	72	0	0	60	0	72	1	72	2
A122	35-01-	STUR	2	2	0	2	0	0	2	0	0	2	0	2	0	2	0
1004	35-20-AC	(1004)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
280	35-20-BA	VRT	6	6	0	6	0	0	5	0	0	1	0	4	0	5	3
B1211	35-20-BBA	VRQ	17	16	0	16	0	0	14	1	0	5	0	14	1	16	2
1000	35-24-LE	TRAU	1	1	0	1	0	0	1	0	0	0	0	1	0	1	0
A051	35-27-AB	RIEGIA	3	3	0	3	0	0	3	0	0	2	0	3	0	3	0
A050	35-27-AC	RIEG	4	4	0	4	0	0	4	0	0	4	0	4	0	4	0

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HYDROCHEMIE

Quellen - Physikal. Parameter

Richtzahlen, Zulässige Höchstkonzentrationen

GIS- ID	Flußverzeichnis	Kurzname (Monitoring)	Mess- Termine Anzahl	LF	LF- (RZ) 446	T	T- (RZ) 12	T- (ZHK) 25	pH	pH- (RZ) 6.6-8.6	pH- (ZHK) 9.5	O ₂ - Sätt.	O ₂ - Sätt. >76	Trübung	Trübung (Ö-RZ) 1.6	SAK 436nm	SAK 436nm (Ö-RZ) 0.6
272	35-28-DAA	EFF	8	8	0	8	0	0	8	0	0	6	0	8	0	8	0
C059	35-28-DAB	EFF-ALT	12	12	0	12	0	0	12	0	0	0	0	9	0	12	0
317	35-34-1-AA	OFEI	2	2	0	2	0	0	1	0	0	0	0	2	0	2	0
244	35-34-1-ABB	FEI-PO	1	1	0	1	0	0	1	0	0	0	0	1	0	1	0
316	35-34-1-ACB	FEIS	17	17	0	17	0	0	16	1	0	4	0	15	1	16	1
256	35-34-1-BA	FEIQ	5	4	0	4	1	0	4	0	0	0	0	4	1	4	3
775	35-34-1-BCB	FEIA	3	3	0	3	1	0	2	0	0	0	0	3	2	3	2
309	35-34-1-BCC	(309)	2	2	0	2	1	0	2	0	0	0	0	1	0	2	0
314	35-34-1-D	SONN	18	18	0	18	0	0	17	0	0	4	0	16	4	17	4
306	35-34-1-EC	NIQ6	3	3	0	3	0	0	3	0	0	0	0	3	0	2	0
298	35-34-1-ED	NIQ	10	10	0	10	0	0	9	0	0	0	0	8	0	10	0
A063	35-34-2-CA	KALT	7	7	0	7	0	0	7	0	0	6	0	7	1	7	0
231	35-34-2-CB	KWQ	15	14	0	14	0	0	11	1	0	0	0	10	0	13	1
116	35-34-4-CC	URL	9	9	0	9	0	0	8	1	0	0	0	6	0	8	0
310	35-34-7-BA	PALT	22	18	0	18	0	0	17	2	0	6	0	14	0	16	1
308	35-34-7-DA	RAMS	23	23	0	23	0	0	22	0	0	6	0	18	1	21	2
519	35-39-A	(519)	2	1	1	1	0	0	0	0	0	0	0	2	0	1	0
520	35-43-AB	RIM	20	19	0	19	0	0	18	0	0	6	0	19	0	18	1
A134	36-01-	TEIU	4	4	0	4	0	0	4	0	0	4	0	4	1	4	0
1111	36-06-13-AA	HAGA	1	1	0	1	0	0	1	0	0	0	0	1	0	1	1
A125	36-06-13-BA	TROJ2	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0
A091	36-06-13-BB	TROJ	1	1	1	1	0	0	1	0	0	0	0	1	1	1	0
1191	36-06-2-I	HANS	1	1	0	1	0	0	1	0	0	0	0	1	0	1	0
841	36-06-4-ABA	DAMU-T	12	10	0	10	0	0	10	1	0	0	0	9	0	10	1
A084	36-06-4-ADA	DAMU	6	6	0	6	0	0	6	0	0	6	0	6	0	6	0
1161	36-06-6-CD	ROSE	12	12	0	12	0	0	12	0	0	6	0	12	2	12	0
839	36-08-1-A	PIES	21	21	0	21	0	0	21	0	0	6	0	19	1	20	1
919	36-12-1-C	FIBA	1	1	0	1	0	0	1	0	0	0	0	1	0	1	0
923	36-12-1-HA	FIQ	15	15	0	15	0	0	14	0	0	5	0	14	0	15	0
928	36-12-1-K	MKG	1	1	0	1	0	0	1	0	0	0	0	1	0	1	0
107	36-12-2-AA	MERK	2	2	0	2	0	0	1	0	0	0	0	2	0	2	1

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HYDROCHEMIE

Quellen - Physikal. Parameter

Richtzahlen, Zulässige Höchstkonzentrationen

GIS- ID	Flußverzeichnis	Kurzname (Monitoring)	Mess- Termine Anzahl	LF	LF- (RZ) 446	T	T- (RZ) 12	T- (ZHK) 26	pH	pH- (RZ) 6.5-8.5	pH- (ZHK) 9.5	O ₂ - Sätt.	O ₂ - Sätt. >76	Trübung	Trübung (Ö-RZ) 1.5	SAK 436nm	SAK 436nm (Ö-RZ) 0.5
A097	36-12-2-AB	BUW	2	2	0	2	0	0	1	0	0	0	0	2	0	2	2
931	36-12-2-AE	BUDU	5	5	0	5	0	0	5	0	0	3	0	4	0	4	0
9331	36-12-2-BAA	REH5	3	3	0	3	0	0	3	0	0	3	0	3	1	3	2
9330	36-12-2-BAB	REH4	5	5	0	5	0	0	5	0	0	4	0	5	0	5	2
9326	36-12-2-BAC	REH7	5	5	0	5	0	0	5	0	0	4	0	5	0	5	0
9327	36-12-2-BAD	REH6	3	3	0	3	0	0	3	0	0	3	0	3	1	3	0
9329	36-12-2-BAF	REH3	5	5	0	5	0	0	5	0	0	4	1	5	0	5	0
9323	36-12-2-BAG	REH2	2	2	0	2	0	0	2	0	0	1	0	2	1	2	0
9324	36-12-2-BAH	REH8	3	3	0	3	0	0	3	0	0	2	0	3	1	3	1
9322	36-12-2-BAI	REH1	1	1	0	1	0	0	1	0	0	1	0	1	0	1	0
9320	36-12-2-BAJ	REH0	5	4	0	4	0	0	4	0	0	3	0	3	0	4	0
934	36-12-2-BB	(934)	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1
933	36-12-2-BC	HRQ3	6	6	0	6	0	0	6	1	0	0	0	4	0	6	0
258	36-12-2-BD	HRQ	126	125	0	125	0	0	125	0	0	117	5	119	0	118	49
A145	36-12-2-BF	HRQ-DKM	9	6	0	6	0	0	6	0	0	5	0	6	0	0	0
1007	36-17-A	ROHR	5	5	0	5	0	0	5	0	0	5	0	5	0	5	0
1216	37-03-JB	KRA	23	23	0	23	0	0	21	0	0	6	0	19	0	20	3
221	37-04-CA	(221)	2	2	0	2	0	0	2	0	0	0	0	1	0	2	1
707	37-04-CB	(707)	2	2	0	2	0	0	2	0	0	0	0	1	0	2	0
708	37-04-CC	(708)	3	3	0	3	0	0	3	0	0	0	0	2	0	3	0
223	37-04-E	BLOEQ	22	15	0	15	0	0	14	0	0	5	0	11	1	13	3
228	37-04-KB	HOCH	21	21	0	21	0	0	20	0	0	6	1	18	0	18	0
263	37-04-MC	LETT	11	10	0	10	0	0	8	0	0	0	0	6	0	7	1
259	37-08-AA	SULZ	6	6	0	6	0	0	5	0	0	0	0	6	0	5	0
A110	37-08-AB	SULZ-M	5	5	0	5	0	0	4	0	0	0	0	1	0	3	1
416	37-09-AB	MAUL	23	21	0	21	0	0	20	0	0	6	0	19	5	20	3
908	37-09-E	ACKER	3	3	0	3	0	0	3	0	0	0	0	3	0	3	0
408	37-09-HB	REUT	20	10	0	10	0	0	9	0	0	5	0	8	1	10	2
A114	37-10-ACC	JAPO	3	3	0	3	0	0	3	0	0	1	0	2	0	2	2
A115	37-10-B	NÖHR	7	7	0	7	0	0	7	0	0	5	0	7	0	7	7
239	37-10-CA	JAID	4	4	0	4	0	0	4	0	0	0	0	3	0	3	1

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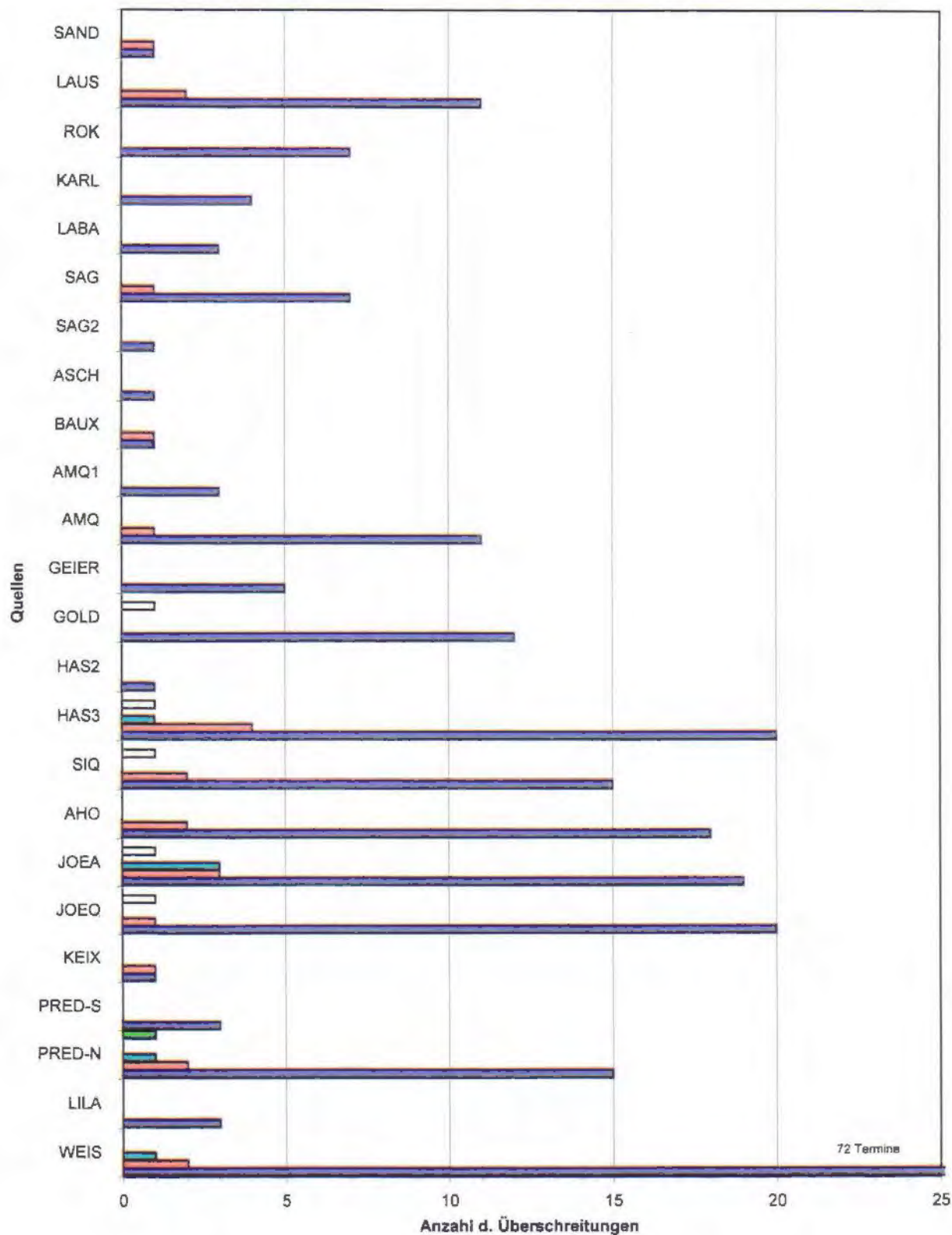
HYDROCHEMIE

Quellen - Physikal. Parameter

Richtzahlen, Zulässige Höchstkonzentrationen

GIS-ID	Flußverzeichnis	Kurzname (Monitoring)	Mess- Termine Anzahl	LF	LF- (RZ) 446	T	T- (RZ) 12	T- (ZHK) 25	pH	pH- (RZ) 6.5-8.5	pH- (ZHK) 9.5	O ₂ - Sätt.	O ₂ - Sätt. >75	Trübung	Trübung (Ö-RZ) 1.5	SAK 436nm	SAK 436nm (Ö-RZ) 0.5
A136	37-10-CB	JAID-N	1	1	0	1	0	0	1	0	0	0	0	1	0	1	1
700	37-10-D	FARN	3	3	0	3	0	0	3	0	0	1	1	2	0	2	0
398	37-10-H	SCHW	4	4	0	4	0	0	4	0	0	2	0	3	0	3	1
397	37-10-J	LEO	4	4	0	4	0	0	4	0	0	2	0	4	0	4	1
405	37-12-AA	STEYÜ	3	3	0	3	0	0	2	0	0	0	0	0	0	2	1
406	37-12-AB	STEY	133	130	0	130	0	0	127	0	0	105	1	120	44	119	39
783	37-14-01-AG	HIL	15	4	0	4	0	0	4	0	0	0	0	3	0	3	0
812	37-14-03-A	WEL	19	18	0	18	0	0	17	0	0	5	1	15	0	16	0
521	37-19-ABB	KÖHL	21	21	21	21	0	0	19	0	0	5	5	17	0	19	1
569	37-21-M	WULU	22	22	5	22	4	0	19	0	0	6	0	18	0	20	0
Gesamtanzahl			1111	1054	31	1053	8	0	1010	13	1	521	15	941	77	989	172
Prozentanteil v. Gesamt			100	95	3	95	1	0	91	1	0	47	1	85	7	89	15
Prozentanteil v. Parameter				100	3	100	1	0	100	1	0	100	3	100	8	100	17

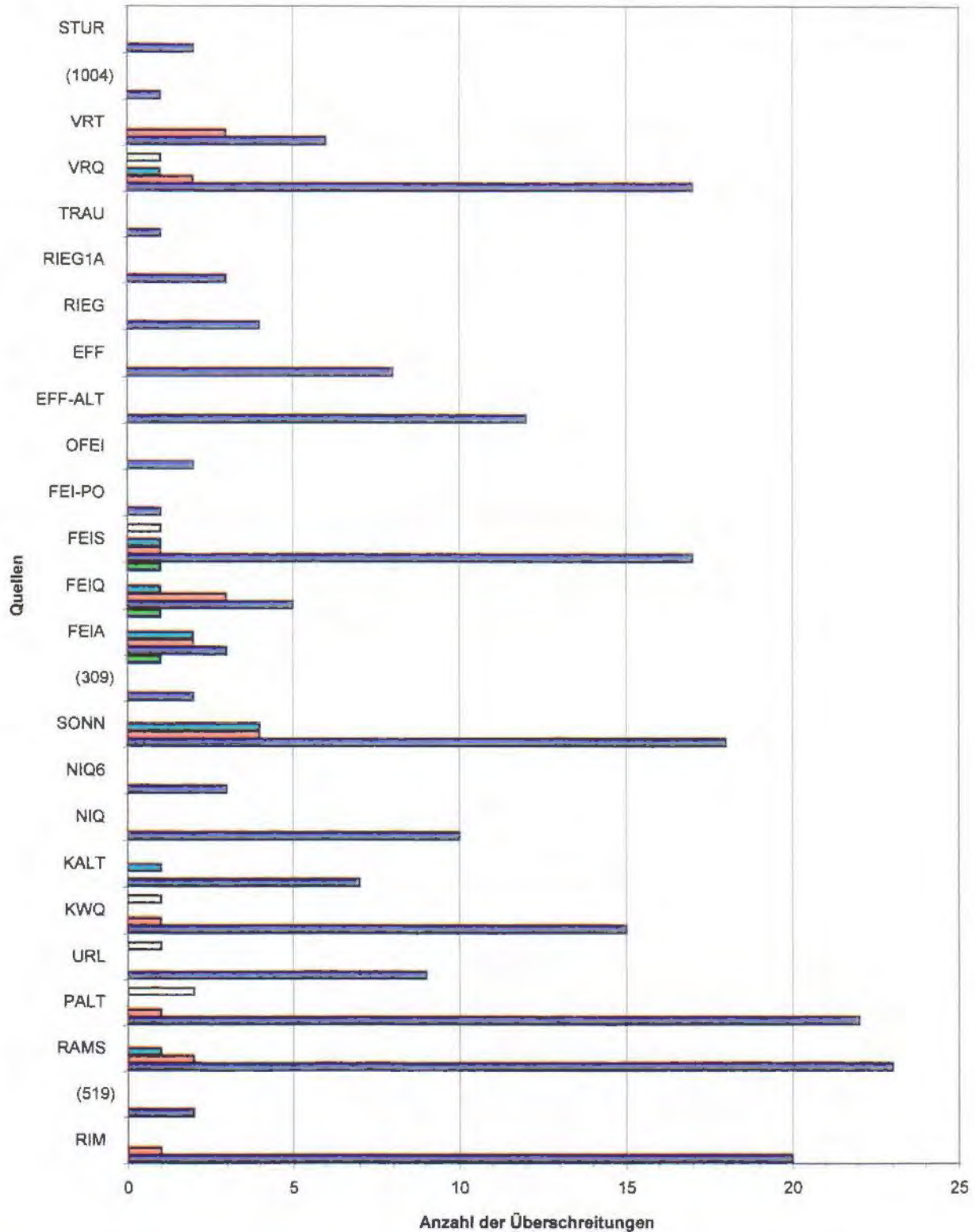
Einzugsgebiet 33 und 34



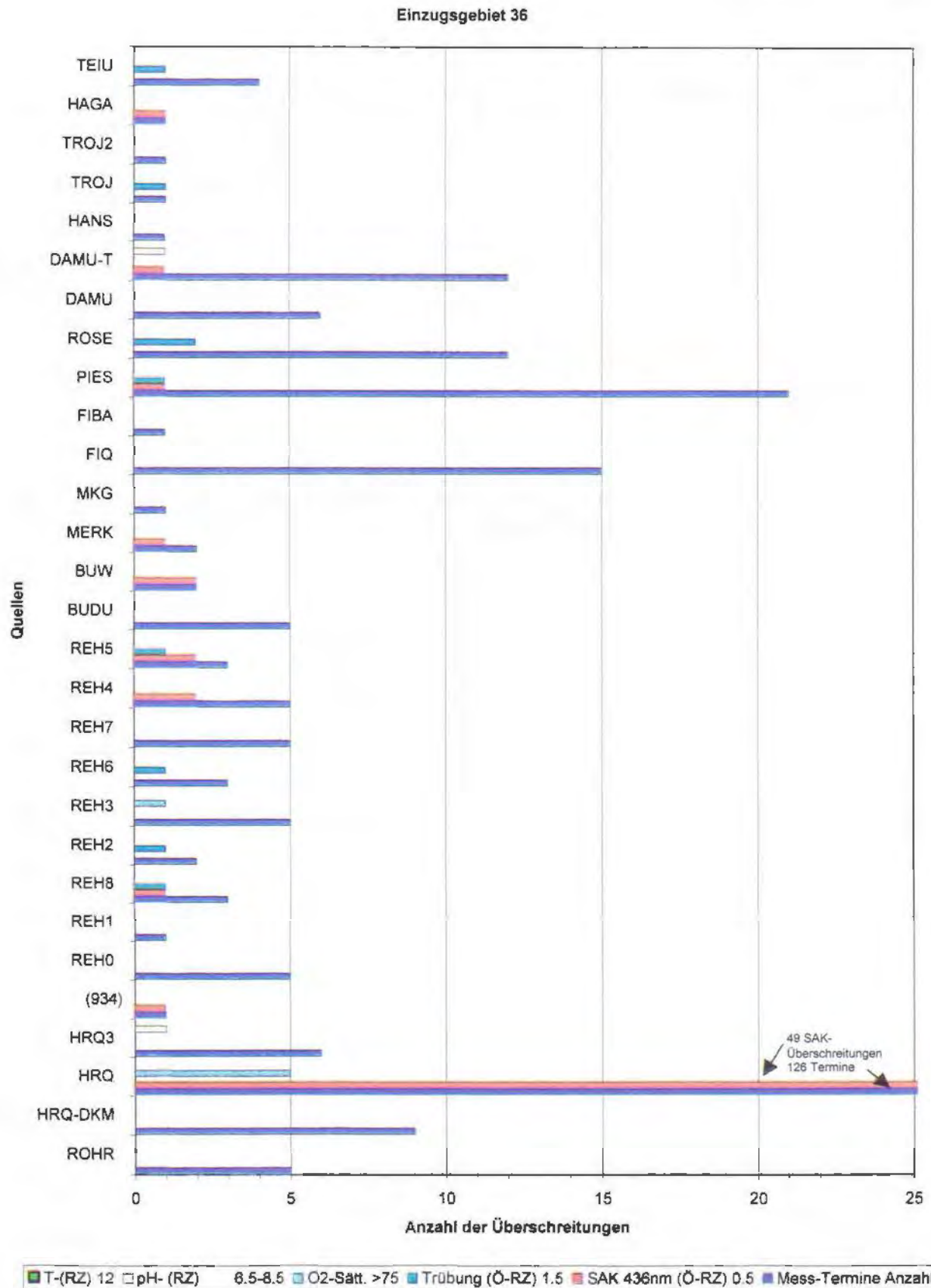
72 Termine

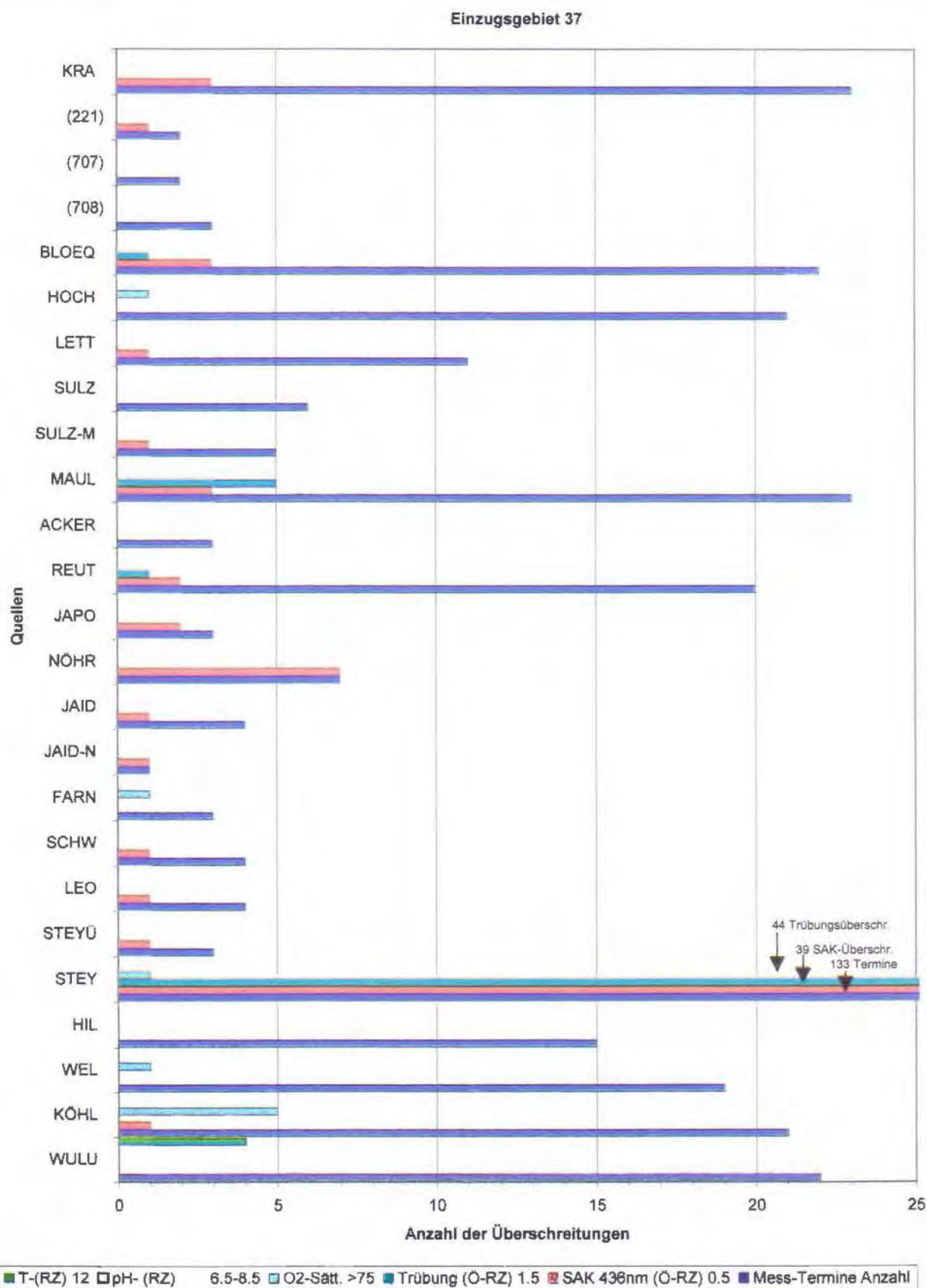
■ T-(RZ) 12 ■ pH- (RZ) 6.5-8.5 ■ O2-Sätt. >75 ■ Trübung (Ö-RZ) 1.5 ■ SAK 436nm (Ö-RZ) 0.5 ■ Mess-Termine Anzahl

Einzugsgebiet 35

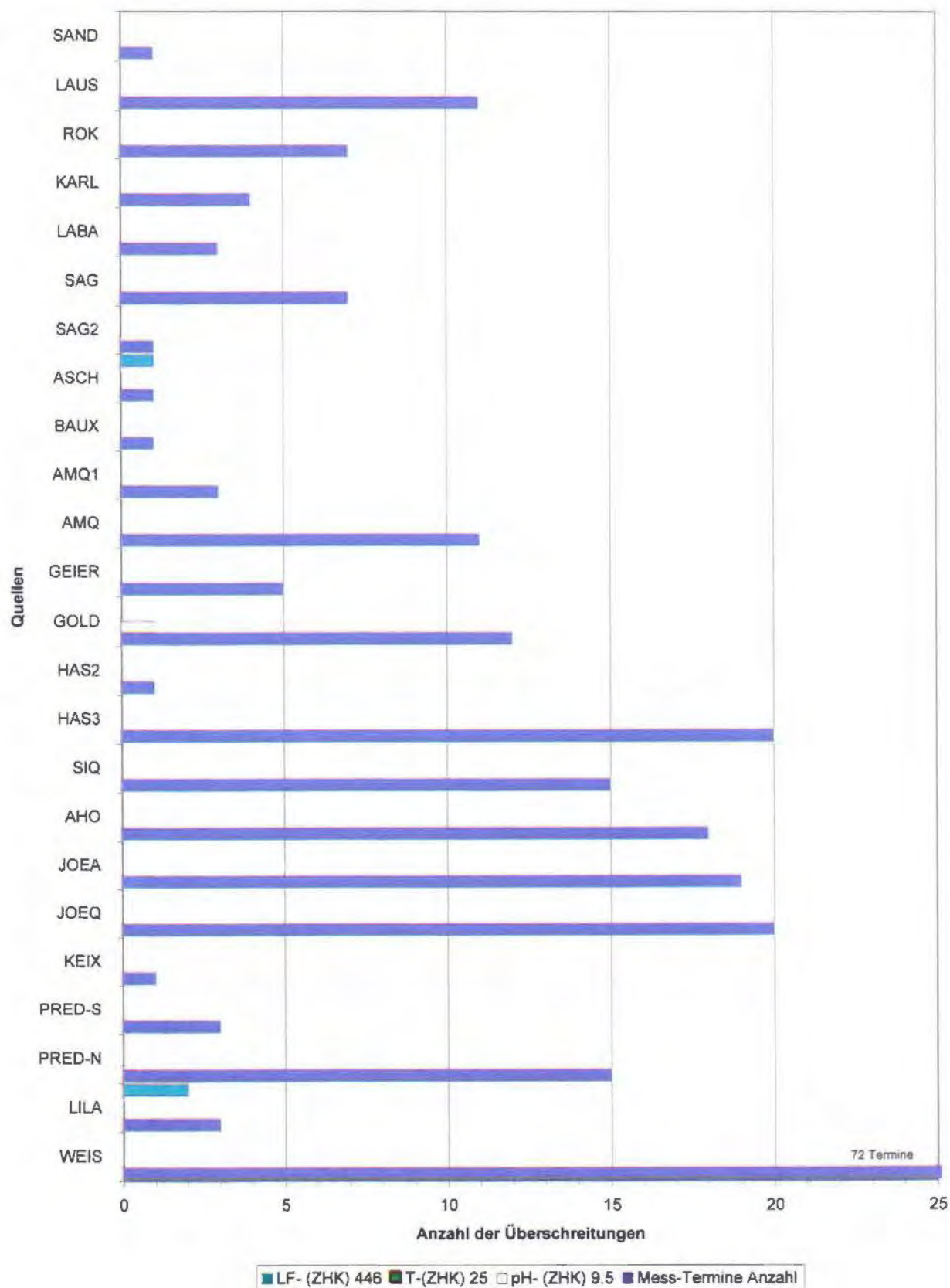


■ T-(RZ) 12 □ pH- (RZ) 6.5-8.5 ■ O2-Sätt. >75 ■ Trübung (Ö-RZ) 1.5 ■ SAK 436nm (Ö-RZ) 0.5 ■ Mess-Termine Anzahl

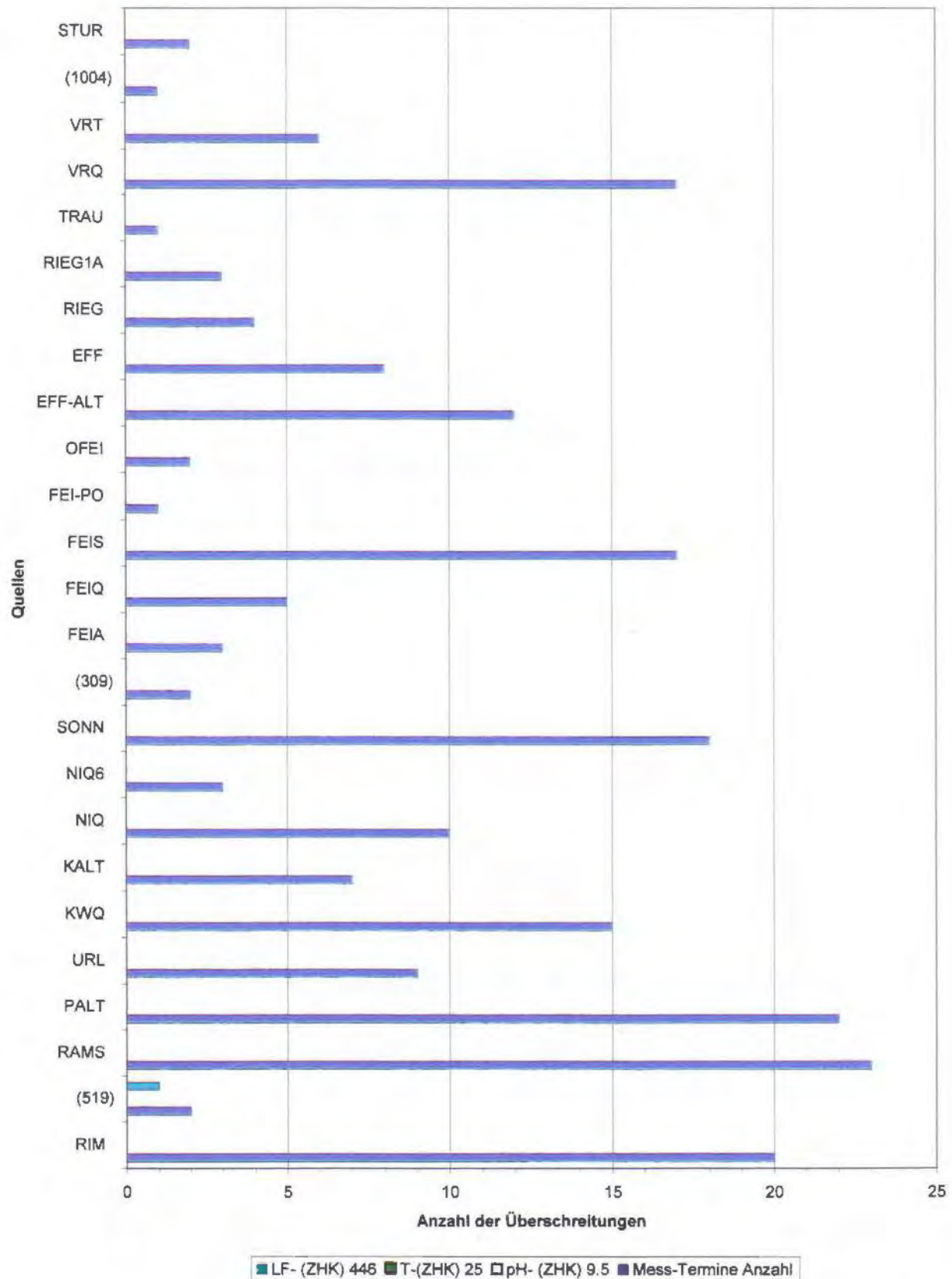




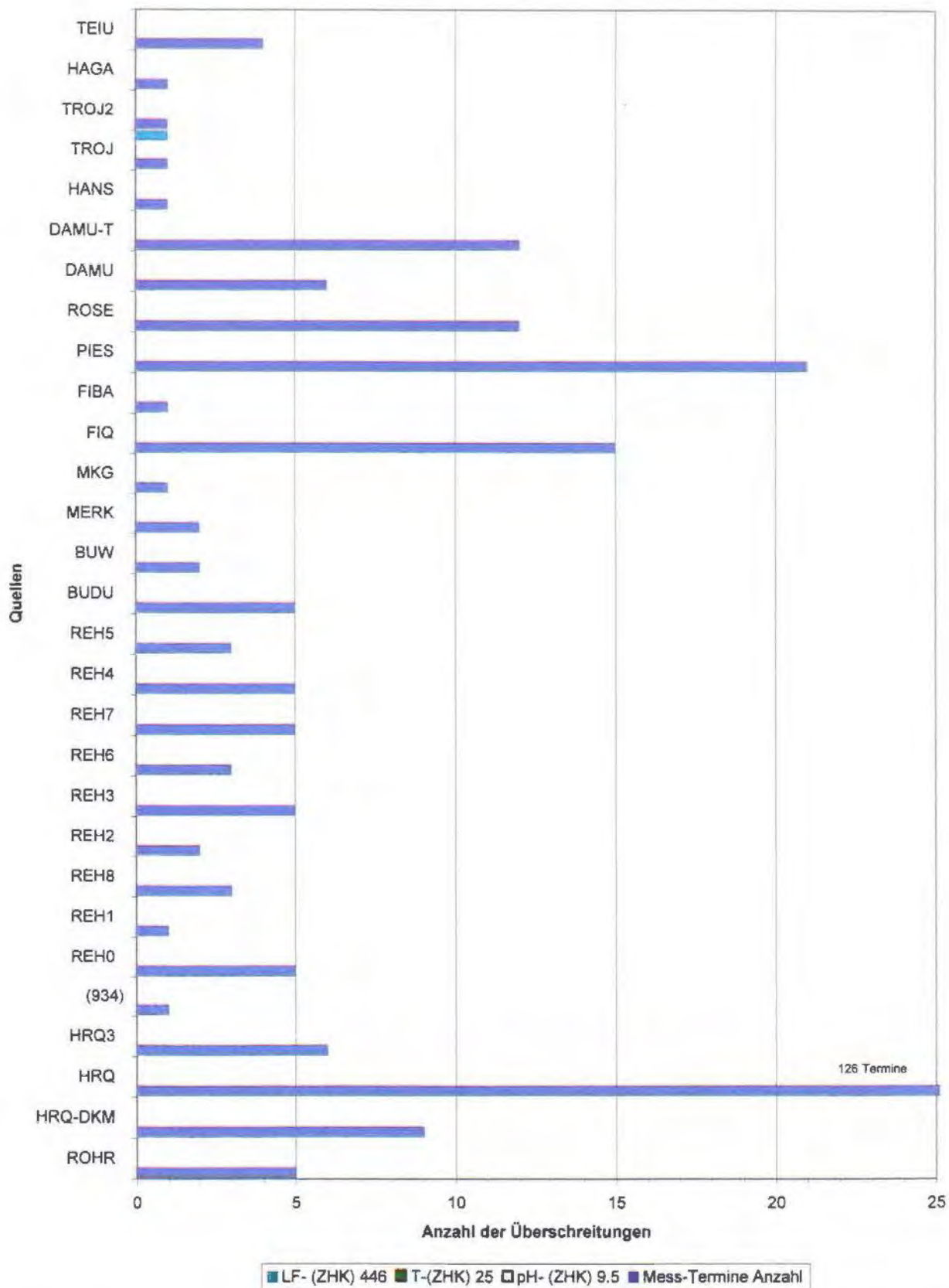
Einzugsgebiet 33 und 34



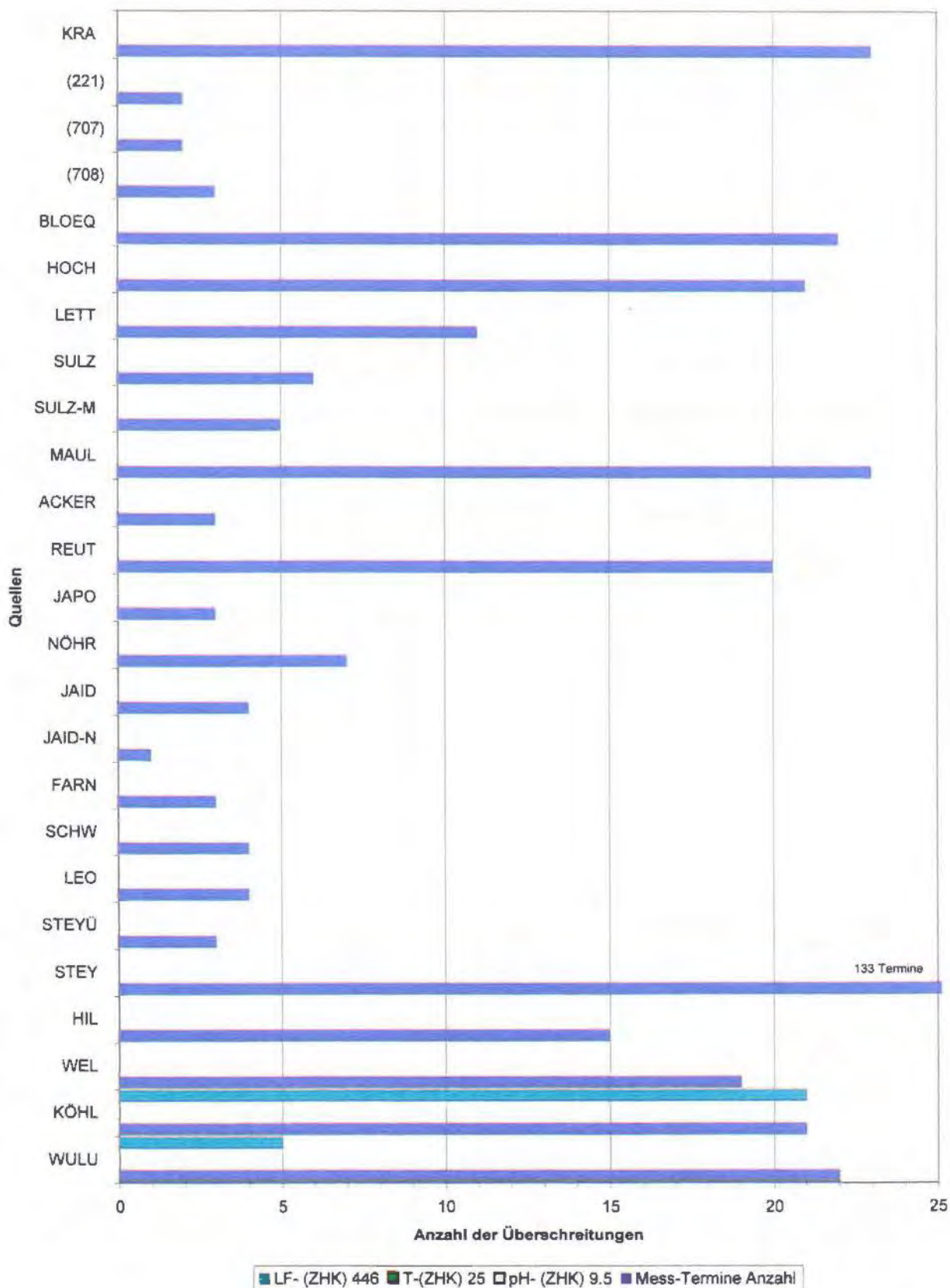
Einzugsgebiet 35



Einzugsgebiet 36



Einzugsgebiet 37



GIS- ID	Flußverzeichnis	Kurzname (Monitoring)	Mess- Termlne Anzahl	Na	Na- (RZ) 20	Na- (ZHK) 120	Na- (Ö-SW) 30	K	K- (RZ) 10	K- (ZHK) 12	K- (Ö-SW) 12	Ca	Ca- (RZ) 100	Ca- (Ö-ZHK) 400	Mg	Mg- (RZ) 30	Mg- (ZHK) 50	HCO ₃	HCO ₃ (MK) 30	Cl	Cl- (RZ) 25	Cl- (WK) 200	Cl- (Ö-SW) 60	NO ₃	NO ₃ - (RZ) 25	NO ₃ - (ZHK) 50	NO ₃ - (Ö-SW) 45	SO ₄	SO ₄ - (RZ) 25	SO ₄ - (ZHK) 250	
1142	33-138-1-CE	ROK	7	7	0	0	0	7	0	0	0	7	0	0	7	0	0	7	0	7	0	0	0	7	0	0	0	0	7	7	0
1185	33-138-1-EBA	KARL	4	2	0	0	0	2	0	0	0	4	0	0	4	0	0	4	0	4	0	0	0	4	0	0	0	0	4	3	0
104	33-138-12-A1	SAND	1	1	0	0	0	1	0	0	0	1	0	0	1	0	0	1	0	1	0	0	0	1	0	0	0	0	1	0	0
1014	33-138-13-AA	LAUS	11	7	0	0	0	7	0	0	0	10	0	0	10	0	0	11	0	10	0	0	0	10	0	0	0	0	10	0	0
A123	33-138-2-	LABA	3	3	0	0	0	3	0	0	0	3	0	0	3	0	0	3	0	3	0	0	0	3	0	0	0	0	3	0	0
1132	33-138-7-AA	SAG	7	6	0	0	0	6	0	0	0	6	0	0	6	0	0	6	0	6	0	0	0	6	0	0	0	0	6	0	0
1300	33-138-7-AB	SAG2	1	1	0	0	0	1	0	0	0	1	0	0	1	0	0	1	0	1	0	0	0	1	0	0	0	0	1	0	0
135	34-01-7-CDA	ASCH	1	1	0	0	0	1	0	0	0	1	0	0	1	1	0	1	0	1	0	0	0	1	0	0	0	0	1	1	0
143	34-01-7-CFA	BAUX	1	1	0	0	0	1	0	0	0	1	0	0	1	0	0	1	0	1	0	0	0	1	0	0	0	0	1	0	0
A021	34-02-1-ABA	AMQ1	3	0	0	0	0	0	0	0	0	3	0	0	3	0	0	2	0	0	0	0	0	3	0	0	0	0	2	0	0
37	34-02-1-ABC	AMQ	11	10	0	0	0	10	0	0	0	11	0	0	11	0	0	11	0	11	0	0	0	11	0	0	0	0	11	0	0
178	34-02-3-ECB	GEIER	5	5	0	0	0	5	0	0	0	5	0	0	5	0	0	5	0	5	0	0	0	5	0	0	0	0	5	0	0
181	34-02-3-GB	GOLD	12	5	0	0	0	5	0	0	0	8	0	0	8	0	0	8	0	7	0	0	0	8	0	0	0	0	8	2	0
180	34-02-3-H	HAS2	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	0	0	1	0	0	0	0	1	0	0
176	34-02-3-J	HAS3	20	11	0	0	0	11	0	0	0	20	0	0	20	0	0	19	0	17	0	0	0	20	0	0	0	0	19	3	0
186	34-02-4-1-ACA	SIQ	15	8	0	0	0	8	0	0	0	15	0	0	15	0	0	14	0	12	0	0	0	15	0	0	0	0	14	0	0
368	34-02-4-2-DBC	AHO	18	11	0	0	0	11	0	0	0	18	0	0	18	0	0	17	0	15	0	0	0	18	0	0	0	0	17	0	0
360	34-02-4-2-F	JOEA	19	11	0	0	0	11	0	0	0	19	0	0	19	0	0	18	0	16	0	0	0	19	0	0	0	0	18	0	0
359	34-02-4-2-I	JOEQ	20	11	0	0	0	11	0	0	0	20	0	0	20	0	0	19	0	17	0	0	0	20	0	0	0	0	19	0	0
1062	34-03-AD	KEIX	1	1	0	0	0	1	0	0	0	1	0	0	1	0	0	1	0	1	0	0	0	1	0	0	0	0	1	0	0
860	34-09-BA	PRED-S	3	1	0	0	0	1	0	0	0	3	0	0	3	0	0	3	0	3	0	0	0	3	0	0	0	0	3	0	0
419	34-09-C	PRED-N	15	13	0	0	0	13	0	0	0	15	0	0	15	0	0	15	0	15	0	0	0	15	0	0	0	0	15	0	0
858	34-09-E	LILA	3	3	0	0	0	3	0	0	0	3	0	0	3	2	0	3	0	3	0	0	0	3	0	0	0	0	3	2	0
896	34-16-1-GA	WEIS	72	72	0	0	0	72	0	0	0	71	0	0	71	0	0	72	1	72	0	0	0	72	0	0	0	0	72	0	0
A122	35-01-	STUR	2	2	0	0	0	2	0	0	0	2	0	0	2	0	0	2	0	2	0	0	0	2	0	0	0	0	2	0	0
1004	35-20-AC	(1004)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
280	35-20-BA	VRT	6	3	0	0	0	3	0	0	0	6	0	0	6	0	0	5	0	3	0	0	0	6	0	0	0	0	3	0	0
B1211	35-20-BBA	VRQ	17	12	0	0	0	12	0	0	0	16	0	0	16	0	0	17	0	14	0	0	0	17	0	0	0	0	16	0	0
1000	35-24-LE	TRAU	1	1	0	0	0	1	0	0	0	1	0	0	1	0	0	1	0	1	0	0	0	1	0	0	0	0	1	0	0
A051	35-27-AB	RIEGIA	3	3	0	0	0	3	0	0	0	3	0	0	3	0	0	3	0	3	0	0	0	3	0	0	0	0	3	0	0
A050	35-27-AC	RIEG	4	4	0	0	0	4	0	0	0	4	0	0	4	0	0	4	0	4	0	0	0	4	0	0	0	0	4	0	0
272	35-28-DAA	EFF	8	8	0	0	0	8	0	0	0	8	0	0	8	0	0	8	0	8	0	0	0	8	0	0	0	0	8	0	0
C059	35-28-DAB	EFF-ALT	12	4	0	0	0	4	0	0	0	12	0	0	12	0	0	12	0	8	0	0	0	12	0	0	0	0	10	0	0
317	35-34-1-AA	OPEI	2	2	0	0	0	2	0	0	0	2	0	0	2	0	0	2	0	2	0	0	0	2	0	0	0	0	2	0	0
244	35-34-1-ABB	FEI-PO	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	0	0	1	0	0	0	0	1	0	0
316	35-34-1-ACB	FEIS	17	11	0	0	0	11	0	0	0	17	0	0	17	0	0	17	0	14	0	0	0	17	0	0	0	0	15	0	0
256	35-34-1-BA	FEIQ	5	0	0	0	0	0	0	0	0	5	0	0	5	0	0	4	0	1	0	0	0	5	0	0	0	0	1	0	0

GIS-ID	Flußverzeichnis	Kurzname (Monitoring)	Mess- Termine Anzahl	Na	Na- (RZ) 20	Na- (ZHK) 120	Na- (Ö-SW) 30	K	K- (RZ) 10	K- (ZHK) 12	K- (Ö-SW) 12	Ca	Ca- (RZ) 100	Ca- (Ö-ZHK) 400	Mg	Mg- (RZ) 30	Mg- (ZHK) 50	HCO ₃	HCO ₃ (MK) 30	Cl	Cl- (RZ) 25	Cl- (WK) 200	Cl- (Ö-SW) 60	NO ₃	NO ₃ - (RZ) 25	NO ₃ - (ZHK) 50	NO ₃ - (Ö-SW) 45	SO ₄	SO ₄ - (RZ) 25	SO ₄ - (ZHK) 250	
775	35-34-1-BCB	FEIA	3	3	0	0	0	3	0	0	0	3	0	0	3	0	0	3	0	3	0	0	0	3	0	0	0	0	3	0	0
309	35-34-1-BCC	(309)	2	0	0	0	0	0	0	0	0	2	0	0	2	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0
314	35-34-1-D	SONN	18	11	0	0	0	11	0	0	0	17	0	0	17	0	0	18	0	15	0	0	0	18	0	0	0	0	16	0	0
306	35-34-1-EC	NIQ6	3	0	0	0	0	0	0	0	0	3	0	0	3	0	0	2	0	2	0	0	0	3	0	0	0	0	2	0	0
298	35-34-1-ED	NIQ	10	6	0	0	0	6	0	0	0	10	0	0	10	0	0	10	0	8	0	0	0	10	0	0	0	0	9	0	0
A063	35-34-2-CA	KALT	7	7	0	0	0	7	0	0	0	7	0	0	7	0	0	7	0	7	0	0	0	7	0	0	0	0	7	0	0
231	35-34-2-CB	KWQ	15	5	0	0	0	5	0	0	0	15	0	0	15	0	0	14	0	9	0	0	0	15	0	0	0	0	11	0	0
116	35-34-4-CC	URL	9	3	0	0	0	3	0	0	0	9	0	0	9	0	0	9	0	5	0	0	0	9	0	0	0	0	7	0	0
310	35-34-7-BA	PALT	22	9	0	0	0	9	0	0	0	18	0	0	18	0	0	17	0	13	0	0	0	19	0	0	0	0	15	0	0
308	35-34-7-DA	RAMS	23	12	0	0	0	12	0	0	0	22	0	0	22	1	0	20	0	17	0	0	0	23	1	0	0	0	19	0	0
519	35-39-A	(519)	2	1	0	0	0	1	0	0	0	2	0	0	2	0	0	2	0	2	0	0	0	2	0	0	0	0	2	1	0
520	35-43-AB	RIM	20	15	0	0	0	15	0	0	0	20	0	0	20	1	0	20	0	17	0	0	0	20	0	0	0	0	18	0	0
A134	36-01-	TEIU	4	4	0	0	0	4	0	0	0	4	0	0	4	0	0	4	0	4	1	0	0	4	0	0	0	0	4	2	0
1111	36-06-13-AA	HAGA	1	1	0	0	0	1	0	0	0	1	0	0	1	0	0	1	0	1	0	0	0	1	0	0	0	0	1	0	0
A125	36-06-13-BA	TROJ2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A091	36-06-13-BB	TROJ	1	1	0	0	0	1	1	1	1	1	1	1	1	1	0	1	0	1	0	0	0	1	0	0	0	0	1	1	1
1191	36-06-2-I	HANS	1	1	0	0	0	1	0	0	0	1	0	0	1	0	0	1	0	1	0	0	0	1	0	0	0	0	1	0	0
841	36-06-4-ABA	DAMU-T	12	4	0	0	0	4	0	0	0	10	0	0	10	0	0	10	0	8	0	0	0	10	0	0	0	0	9	8	0
A084	36-06-4-AIA	DAMU	6	6	0	0	0	6	0	0	0	6	0	0	6	0	0	6	0	6	0	0	0	6	0	0	0	0	6	6	0
1161	36-06-6-CD	ROSE	12	12	0	0	0	12	0	0	0	12	0	0	12	0	0	12	0	12	0	0	0	12	0	0	0	0	12	1	0
839	36-08-1-A	PIES	21	15	0	0	0	15	0	0	0	21	0	0	21	0	0	21	0	16	0	0	0	20	0	0	0	0	18	0	0
919	36-12-1-C	FIBA	1	1	0	0	0	1	0	0	0	1	0	0	1	0	0	1	0	1	0	0	0	1	0	0	0	0	1	0	0
923	36-12-1-HA	FIQ	15	11	0	0	0	11	0	0	0	15	0	0	15	0	0	15	0	13	0	0	0	15	0	0	0	0	14	0	0
928	36-12-1-K	MKG	1	1	0	0	0	1	0	0	0	1	0	0	1	0	0	1	0	1	0	0	0	1	0	0	0	0	1	0	0
107	36-12-2-AA	MERK	2	2	0	0	0	2	0	0	0	2	0	0	2	0	0	2	0	2	0	0	0	2	0	0	0	0	2	0	0
A097	36-12-2-AB	BWU	2	2	0	0	0	2	0	0	0	2	0	0	2	0	0	2	0	2	0	0	0	2	0	0	0	0	2	0	0
931	36-12-2-AE	BUDU	5	5	0	0	0	5	0	0	0	5	0	0	5	0	0	4	0	5	0	0	0	5	0	0	0	0	5	0	0
9331	36-12-2-BAA	REH5	3	3	0	0	0	3	0	0	0	3	0	0	3	0	0	3	0	3	0	0	0	3	0	0	0	0	3	0	0
9330	36-12-2-BAB	REH4	5	5	0	0	0	5	0	0	0	5	0	0	5	0	0	5	0	5	0	0	0	5	0	0	0	0	5	0	0
9326	36-12-2-BAC	REH7	5	5	0	0	0	5	0	0	0	5	0	0	5	0	0	5	0	5	0	0	0	5	0	0	0	0	5	0	0
9327	36-12-2-BAD	REH6	3	3	0	0	0	3	0	0	0	3	0	0	3	0	0	3	0	3	0	0	0	3	0	0	0	0	3	0	0
9329	36-12-2-BAF	REH3	5	5	0	0	0	5	0	0	0	5	0	0	5	0	0	5	0	5	0	0	0	5	0	0	0	0	5	0	0
9323	36-12-2-BAG	REH2	2	2	0	0	0	2	0	0	0	2	0	0	2	0	0	2	0	2	0	0	0	2	0	0	0	0	2	0	0
9324	36-12-2-BAH	REH8	3	3	0	0	0	3	0	0	0	3	0	0	3	0	0	3	0	3	0	0	0	3	0	0	0	0	3	0	0
9322	36-12-2-BAI	REH1	1	1	0	0	0	1	0	0	0	1	0	0	1	0	0	1	0	1	0	0	0	1	0	0	0	0	1	0	0
9320	36-12-2-BAJ	REH0	5	4	0	0	0	4	0	0	0	4	0	0	4	0	0	4	0	4	0	0	0	4	0	0	0	0	4	0	0
934	36-12-2-BB	(934)	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0

NATIONALPARK KALKALPEN

Planungsabschnitt Qst

Proj. 1803: Karstdynamik im Nationalpark Kalkalpen

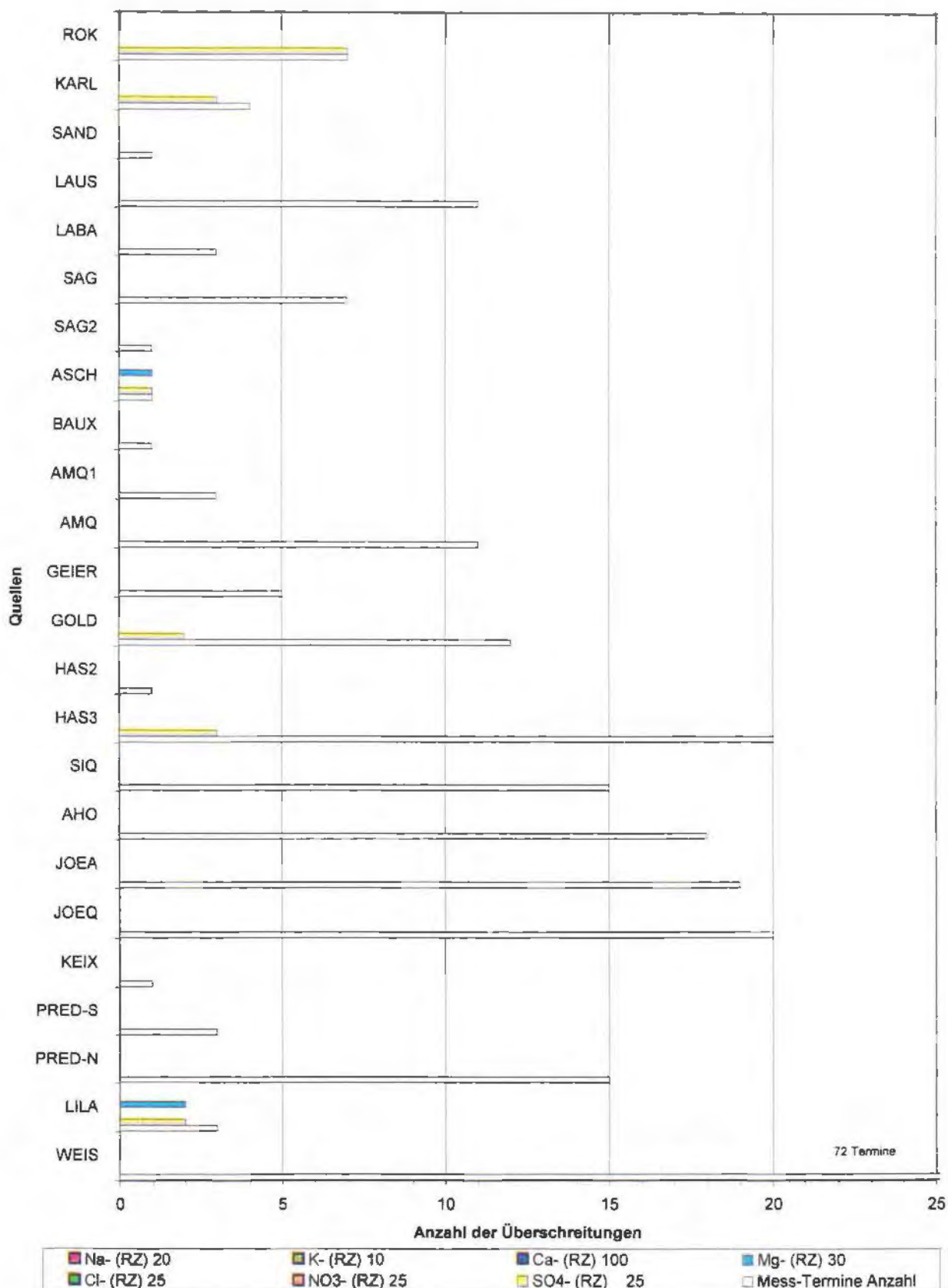
HYDROCHEMIE

Quellen - Chemische Parameter

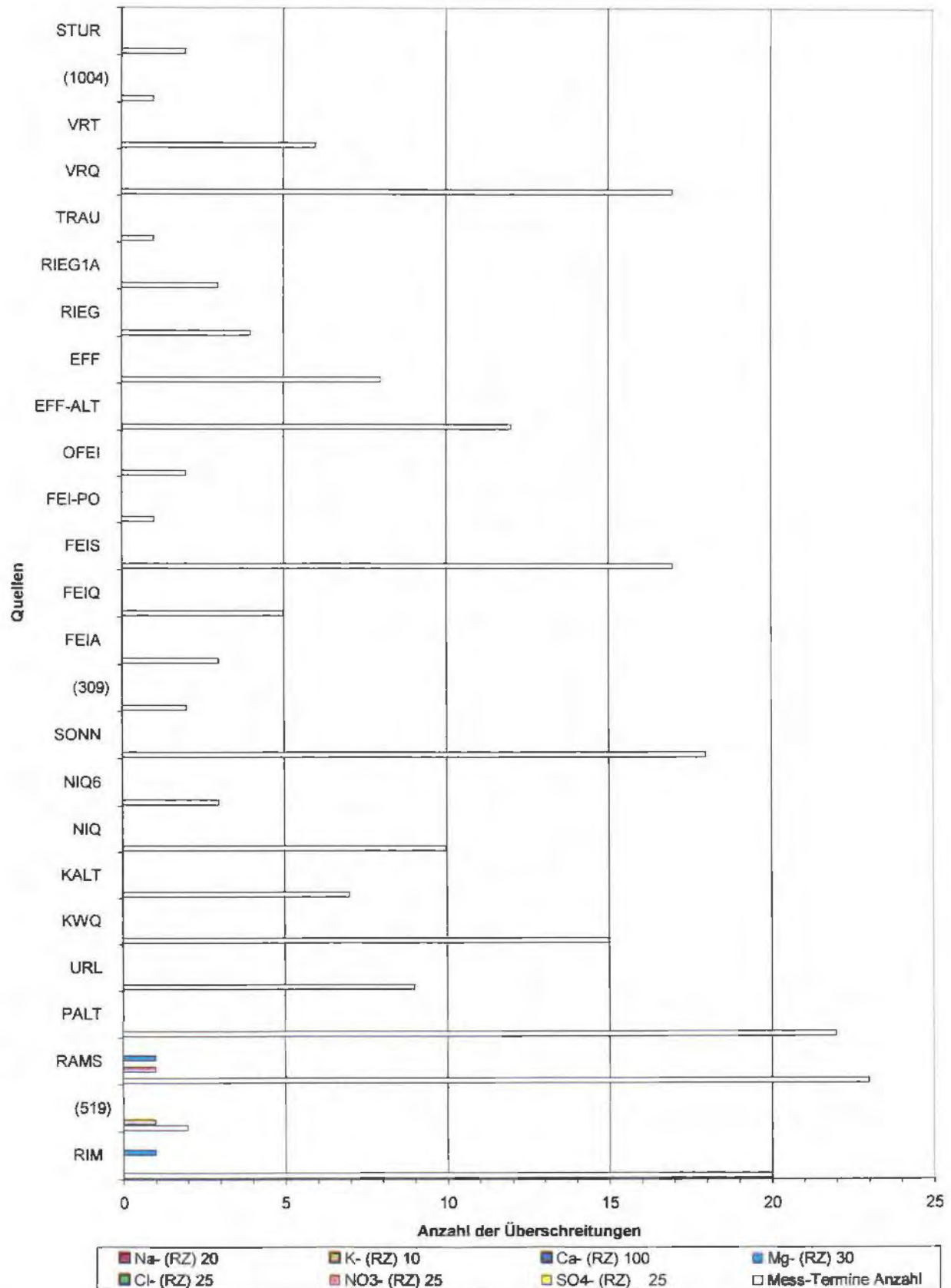
Richtzahlen, Zulässige Höchstkonz., Schwellenwerte

GIS-ID	Flußverzeichnis	Kurzname (Monitoring)	Mess- Termin Anzahl	Na	Na- (RZ) 20	Na- (ZHK) 120	Na- (Ö-SW) 30	K	K- (RZ) 10	K- (ZHK) 12	K- (Ö-SW) 12	Ca	Ca- (RZ) 100	Ca- (Ö-ZHK) 400	Mg	Mg- (RZ) 30	Mg- (ZHK) 50	HCO ₃	HCO ₃ (MK) 30	Cl	Cl- (RZ) 25	Cl- (WK) 200	Cl- (Ö-SW) 60	NO ₃	NO ₃ - (RZ) 25	NO ₃ - (ZHK) 50	NO ₃ - (Ö-SW) 45	SO ₄	SO ₄ - (RZ) 25	SO ₄ - (ZHK) 250
933	36-12-2-BC	HRQ3	6	1	0	0	0	1	0	0	0	6	0	0	6	0	0	6	0	3	0	0	0	6	0	0	0	5	0	0
258	36-12-2-BD	HRQ	126	119	0	0	0	119	0	0	0	119	0	0	119	0	0	119	0	119	0	0	0	119	0	0	0	119	0	0
A145	36-12-2-BF	HRQ-DEK	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1007	36-17-A	ROHR	5	4	0	0	0	4	0	0	0	4	0	0	4	0	0	5	0	4	0	0	0	4	0	0	0	4	0	0
1216	37-03-JB	KRA	23	11	0	0	0	11	0	0	0	23	0	0	23	0	0	22	0	17	0	0	0	23	0	0	0	19	0	0
221	37-04-CA	(221)	2	0	0	0	0	0	0	0	0	2	0	0	2	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0
707	37-04-CB	(707)	2	0	0	0	0	0	0	0	0	2	0	0	2	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0
708	37-04-CC	(708)	3	0	0	0	0	0	0	0	0	3	0	0	3	0	0	3	0	0	0	0	0	3	0	0	0	0	0	0
223	37-04-E	BLOEQ	22	6	0	0	0	6	0	0	0	15	0	0	15	0	0	15	0	10	0	0	0	15	0	0	0	12	0	0
228	37-04-KE	HOCH	21	11	0	0	0	11	0	0	0	21	0	0	21	0	0	20	0	16	0	0	0	20	0	0	0	18	0	0
263	37-04-MC	LETT	11	2	0	0	0	2	0	0	0	10	0	0	10	0	0	9	0	4	0	0	0	10	0	0	0	6	0	0
259	37-08-AA	SULZ	6	2	0	0	0	2	0	0	0	6	0	0	6	0	0	6	0	5	0	0	0	6	0	0	0	5	0	0
A110	37-08-AB	SULZ-M	5	0	0	0	0	0	0	0	0	5	0	0	5	0	0	4	0	0	0	0	0	5	0	0	0	2	0	0
416	37-09-AB	MAUL	23	11	0	0	0	11	0	0	0	21	0	0	21	0	0	21	0	17	0	0	0	21	0	0	0	19	0	0
908	37-09-E	ACKER	3	1	0	0	0	1	0	0	0	3	0	0	3	0	0	3	0	3	0	0	0	3	0	0	0	3	0	0
408	37-09-HB	REUT	20	5	0	0	0	5	0	0	0	10	0	0	10	0	0	11	0	7	0	0	0	10	0	0	0	7	0	0
A114	37-10-ACC	JAPO	3	2	0	0	0	2	0	0	0	2	0	0	2	0	0	2	0	2	0	0	0	2	0	0	0	2	0	0
A115	37-10-B	NOHR	7	7	0	0	0	7	0	0	0	7	0	0	7	0	0	7	0	7	0	0	0	7	0	0	0	7	0	0
239	37-10-CA	JAID	4	1	0	0	0	1	0	0	0	4	0	0	4	0	0	4	0	2	0	0	0	4	0	0	0	2	0	0
A136	37-10-CB	JAID-N	1	1	0	0	0	1	0	0	0	1	0	0	1	0	0	1	0	1	0	0	0	1	0	0	0	1	0	0
700	37-10-D	FARN	3	3	0	0	0	3	0	0	0	3	0	0	3	0	0	2	0	3	0	0	0	3	0	0	0	3	0	0
398	37-10-H	SCHW	4	4	0	0	0	4	0	0	0	4	0	0	4	0	0	4	0	4	0	0	0	4	0	0	0	4	0	0
397	37-10-J	LEO	4	4	0	0	0	4	0	0	0	4	0	0	4	0	0	4	0	4	0	0	0	4	0	0	0	4	0	0
405	37-12-AA	STEYU	3	0	0	0	0	0	0	0	0	3	0	0	3	0	0	2	0	0	0	0	0	3	0	0	0	1	0	0
406	37-12-AB	STEY	133	116	0	0	0	116	0	0	0	122	0	0	122	0	0	121	0	119	0	0	0	122	0	0	0	120	0	0
783	37-14-01-AG	HIL	15	0	0	0	0	0	0	0	0	4	0	0	4	0	0	3	0	3	0	0	0	4	0	0	0	3	0	0
812	37-14-03-A	WEL	19	9	0	0	0	9	0	0	0	18	0	0	18	0	0	17	0	14	0	0	0	18	0	0	0	16	0	0
521	37-19-ABB	FÖHL	21	10	0	0	0	10	0	0	0	21	13	0	21	3	1	20	0	15	0	0	0	21	0	0	0	17	16	0
569	37-21-M	WULU	22	11	0	0	0	11	0	0	0	22	2	0	22	0	0	21	0	16	0	0	0	22	0	0	0	18	15	0
Gesamtanzahl			1111	751	0	0	0	751	1	1	1	1031	16	1	1031	9	1	1011	1	887	1	0	0	1034	1	0	0	942	68	1
Prozentanteil v. Gesamt			100	68	0	0	0	68	0	0	0	93	1	0	93	1	0	91	0	80	0	0	0	93	0	0	0	85	6	0
Prozentanteil v. Parameter			100	0	0	0	0	100	0.1	0.1	0.1	100	2	0.1	100	1	0.1	100	0.1	100	0.1	0	0	100	0.1	0	0	100	7	0.1

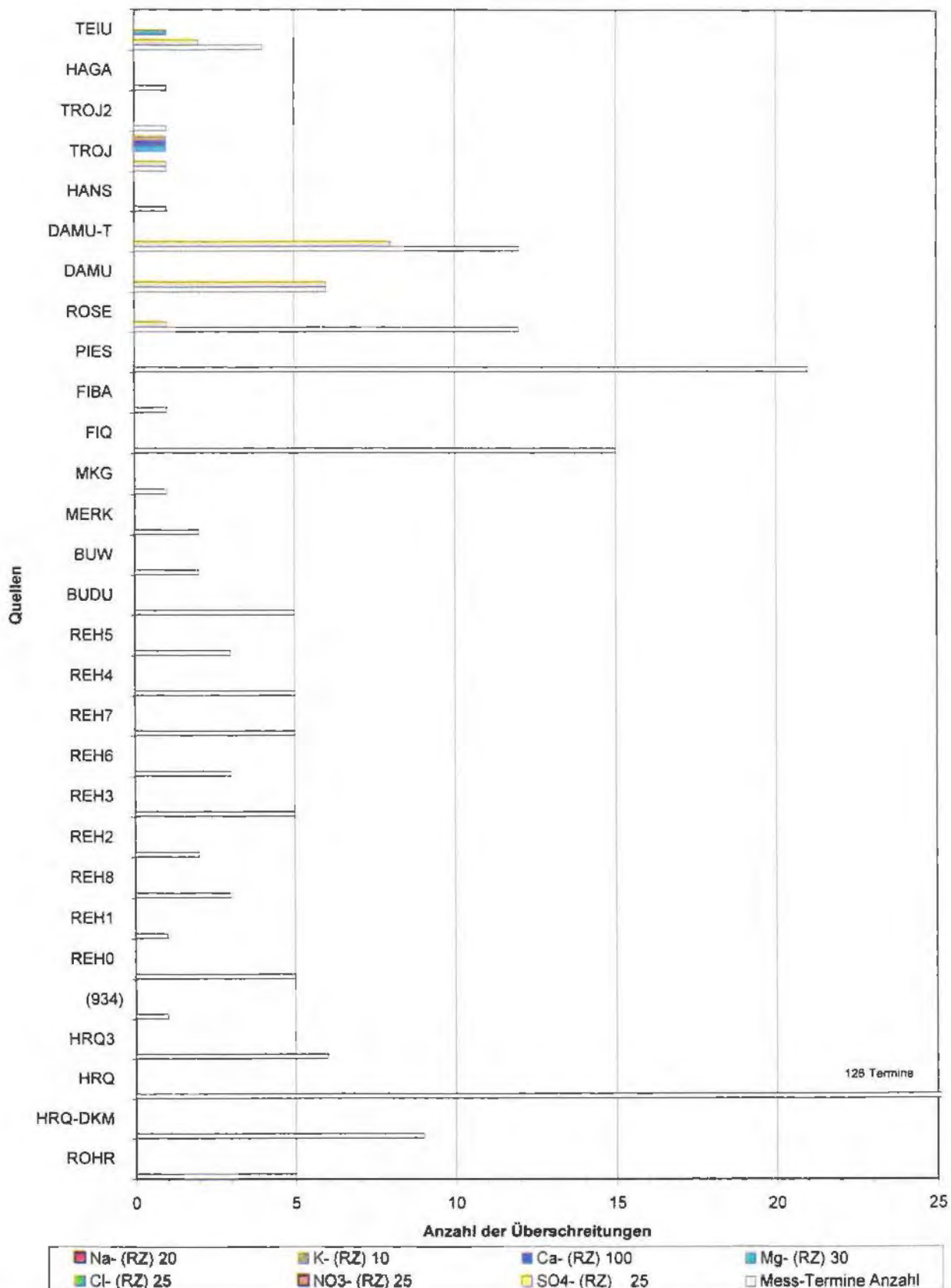
Einzugsgebiet 33 und 34



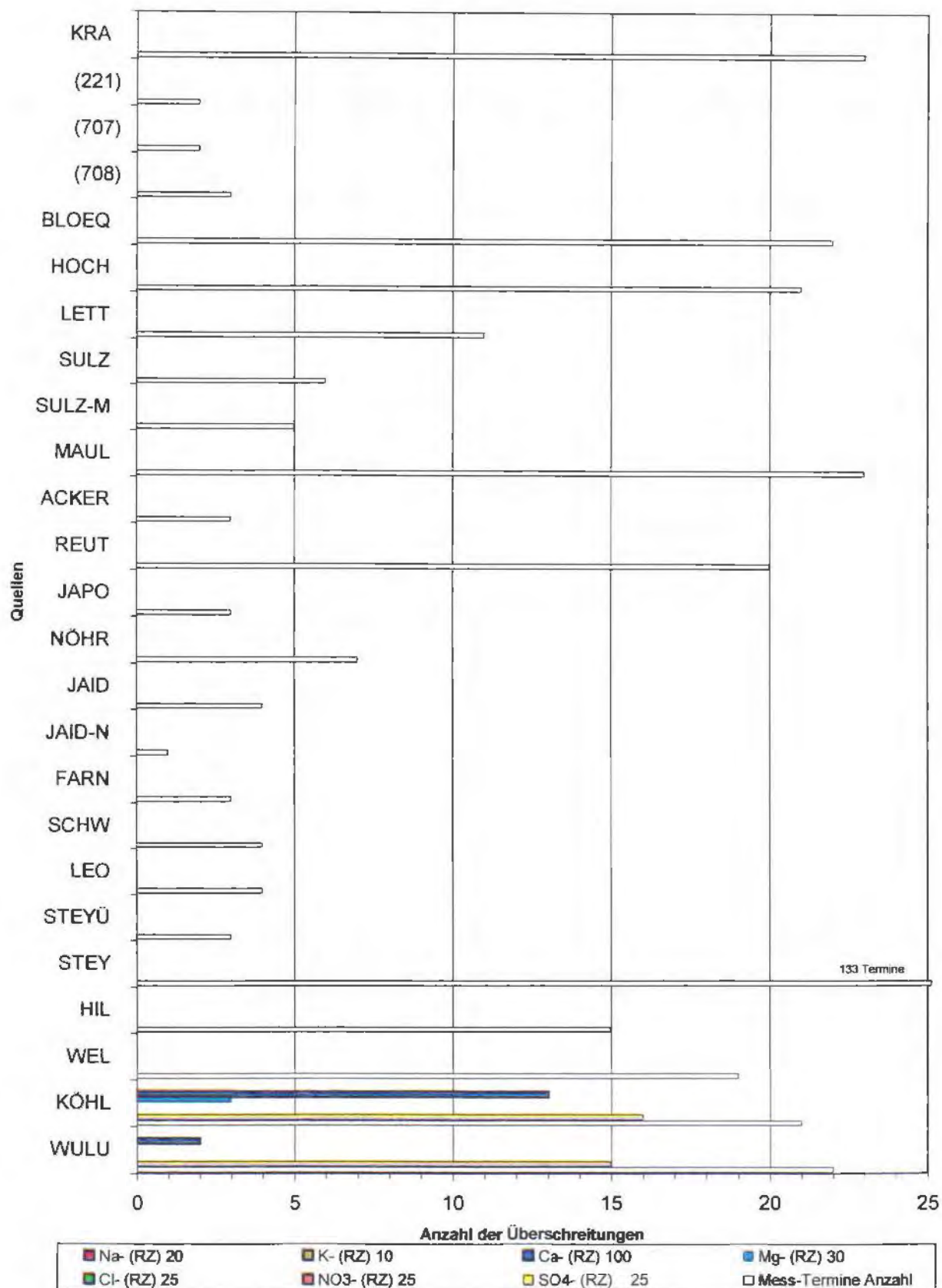
Einzugsgebiet 35



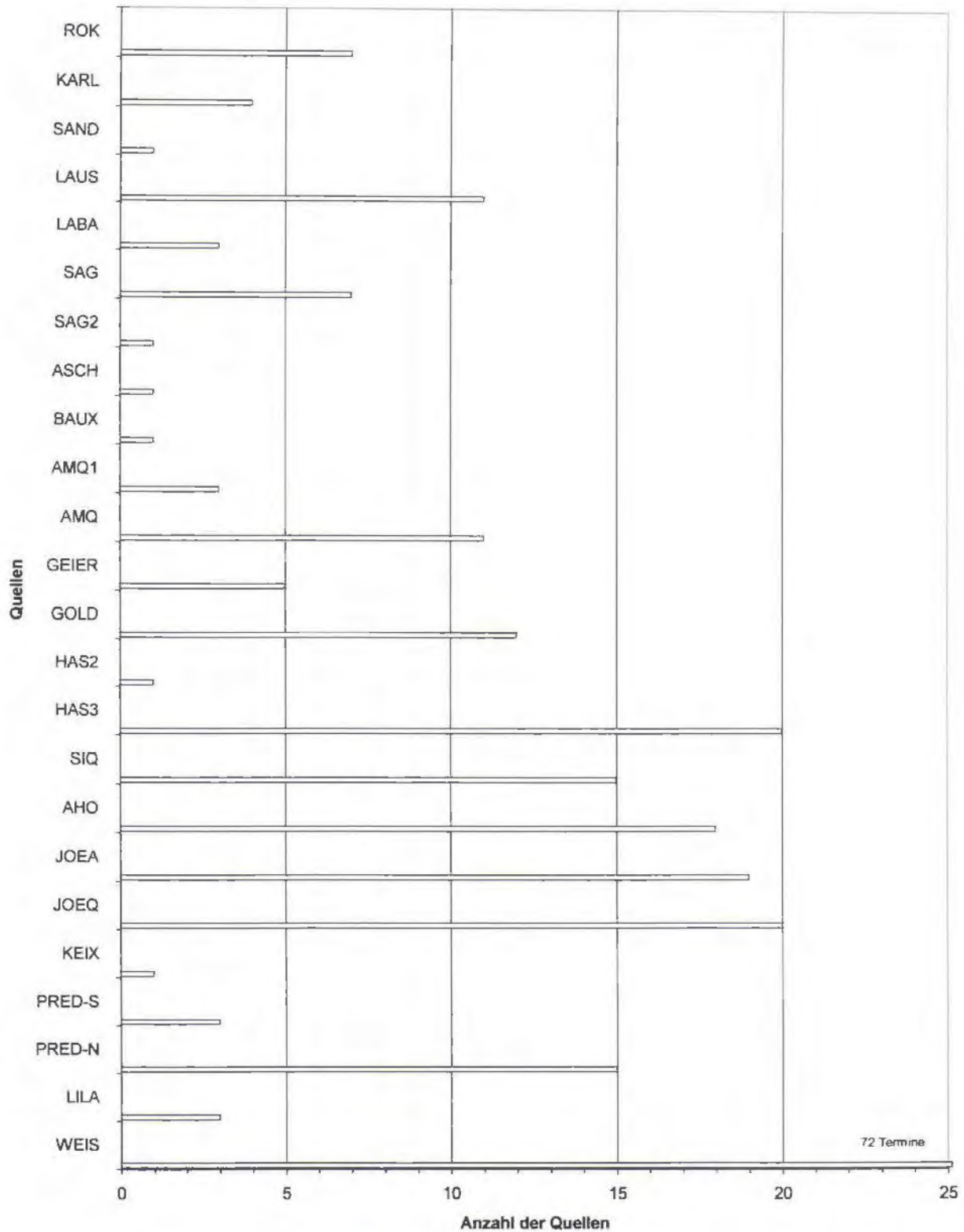
Einzugsgebiet 36



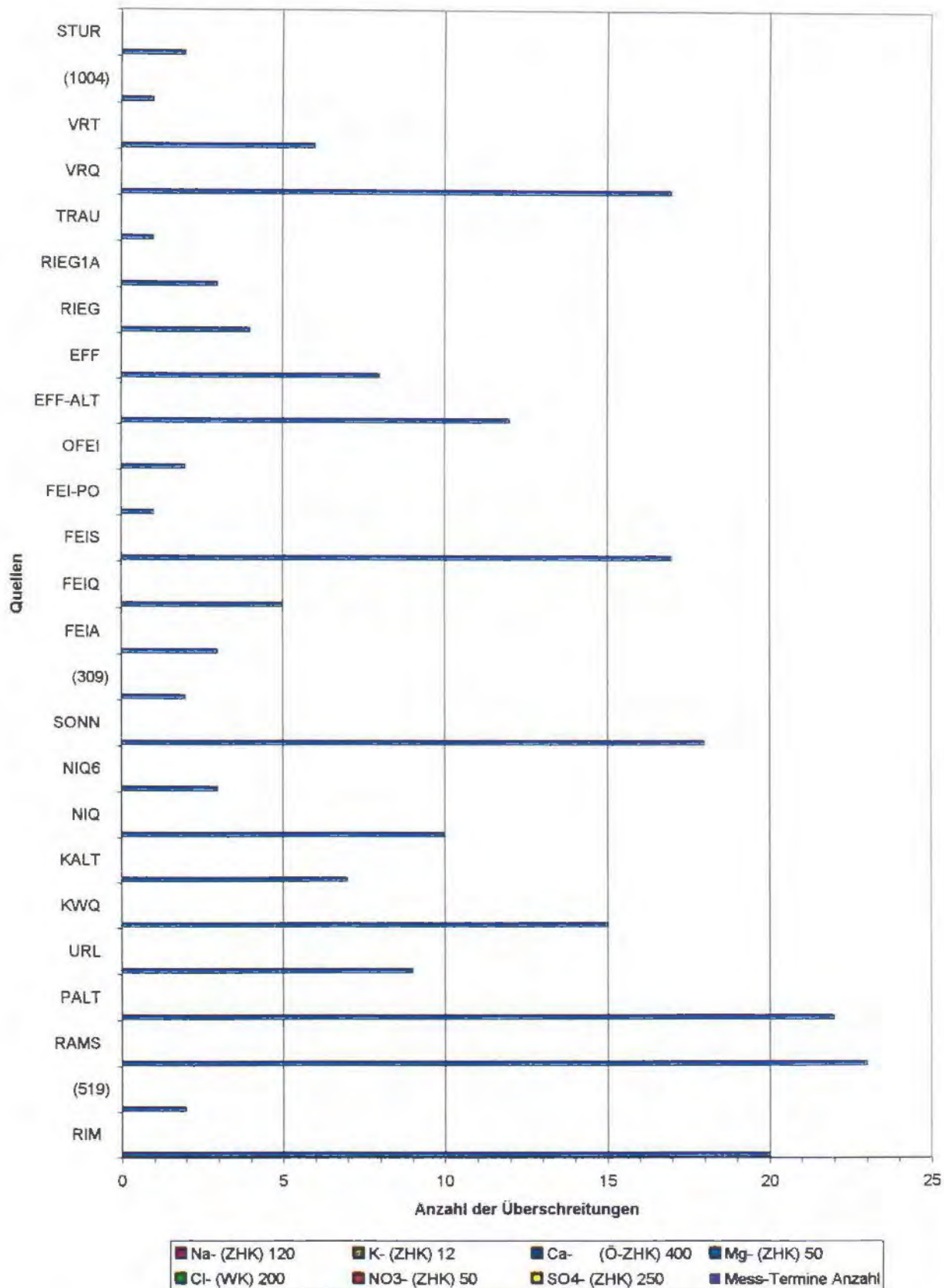
Einzugsgebiet 37



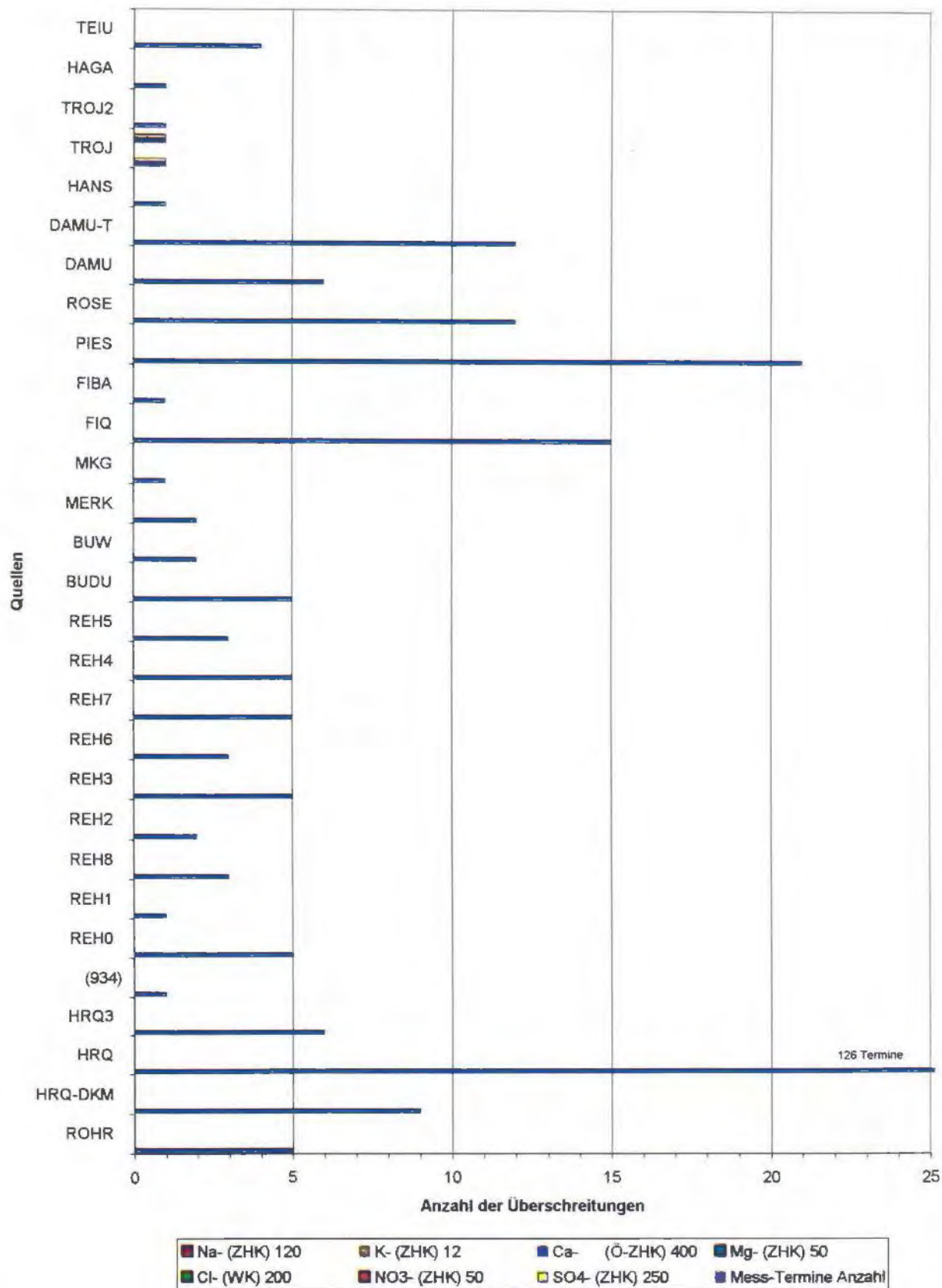
Einzugsgebiet 33 und 34



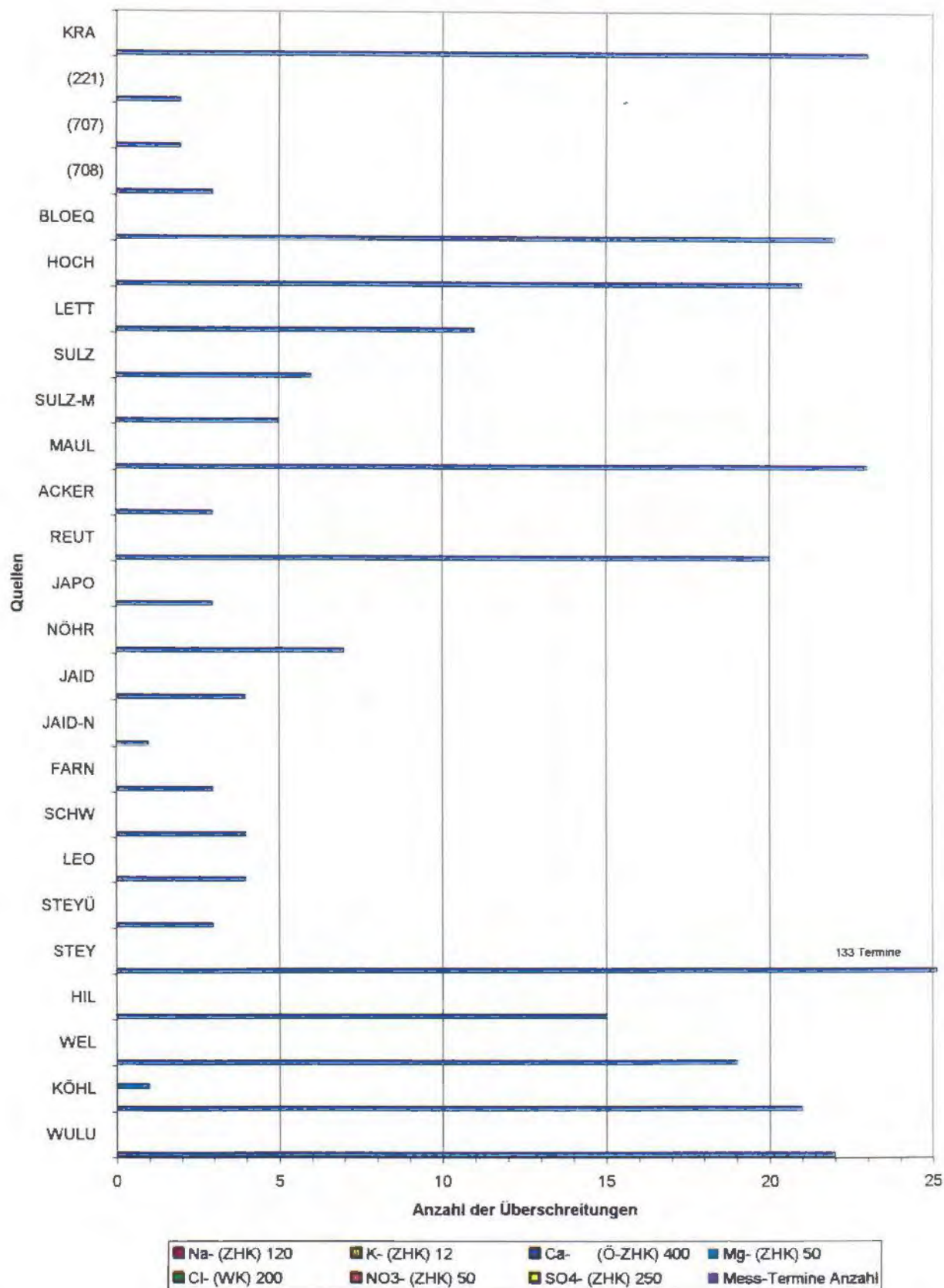
Einzugsgebiet 35



Einzugsgebiet 36



Einzugsgebiet 37



ANHANG A-8

HYDROCHEMIE - QUELLEN

TYPISIERUNG, IONENVERHÄLTNISSE, SÄTTIGUNGSINDIZES

- ANHANG A-8 a: QUELLEN AUS HASELGEBIRGE, GUTENSTEINER KALK UND REICHENHALLER SCHICHTEN
- ANHANG A-8 b: QUELLEN AUS WETTERSTEINKALK
- ANHANG A-8 c: QUELLEN AUS OPPONITZER SCHICHTEN
- ANHANG A-8 d: QUELLEN AUS HAUPTDOLOMIT
- ANHANG A-8 e: QUELLEN AUS DACHSTEINKALK
- ANHANG A-8 f: QUELLEN AUS PLATTENKALK UND OBERRHÄTKALK
- ANHANG A-8g: QUELLEN AUS JURAKALK I. A.
- ANHANG A-8 h: QUELLEN AUS HIERLATZKALK
- ANHANG A-8 i: QUELLEN AUS SCHRAMBACHSCHICHTEN UND OBERALMER SCHICHTEN
- ANHANG A-8 j: QUELLEN AUS GOSAUSEDIMENTEN UND QUARTÄREN KONGLOMERATEN (NAGELFLUH)
- ANHANG A-8 k: QUELLEN AUS MORÄNEN, HANGSCHUTT, ALLUVIUM UND UNKLASSIFIZIERTEN BEREICHEN
- ANHANG A-8 l: VERGLEICH MITTLEREN IONENKONZENTRATIONEN DER STEYERNQUELLE (STEY) UND DER QUELLE DES HINTEREN RETTENBACHES (HRQ)
- ANHANG A-8 m: VERGLEICH DER SÄTTIGUNGSINDIZES DER STEYERNQUELLE (STEY) UND DER QUELLE DES HINTEREN RETTENBACHES (HRQ) BZGL. CALCIT, DOLOMIT UND GIPS
- ANHANG A-8 n: ÜBERSICHT ZU DEN EINZELKORRELATIONEN CHEMISCHER UND PHYSIKALISCHER PARAMETER INNERHALB DER GESTEINS-EINHEITEN

Erläuterungen:

Die Ionengehalte sind als Äquivalentkonzentrationen angegeben.

Diagramm 1: Hydrogencarbonat (HCO_3^-) zur Summe aus Calcium (Ca^{++}) und Magnesium (Mg^{++}).

Diagramm 2: Sulfat (SO_4^{--}) zur Summe aus Calcium (Ca^{++}) und Magnesium (Mg^{++}).

Diagramm 3: Chlorid (Cl^-) zum Kalium(K^+)/Chlorid(Cl^-)-Verhältnis

Diagramm 4: Chlorid (Cl^-) zum Natrium(Na^+)/Chlorid(Cl^-)-Verhältnis

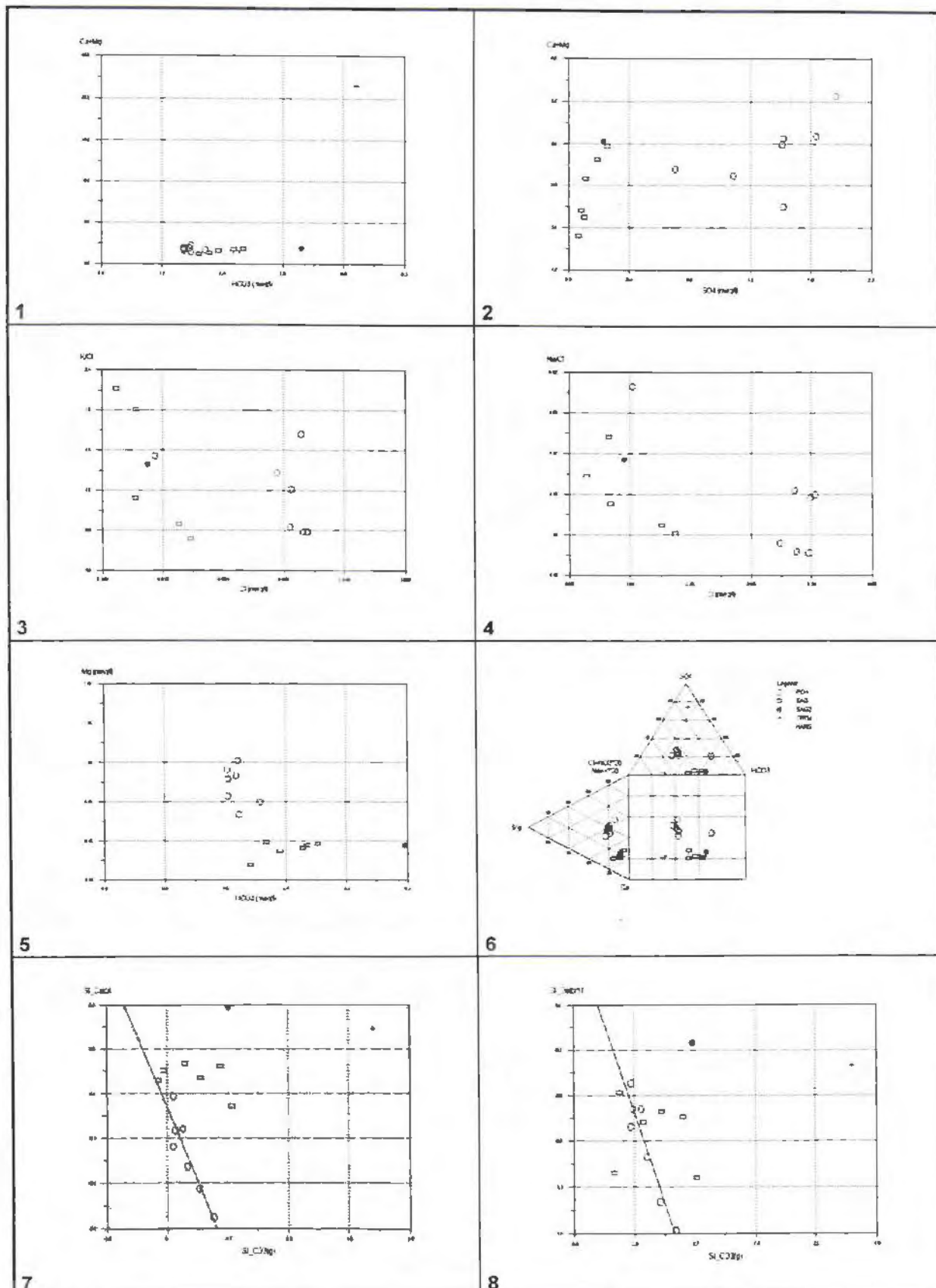
Diagramm 5: Hydrogencarbonat (HCO_3^-) zu Magnesium (Mg^{++}).

Diagramm 6: Typisierung nach DUROV.

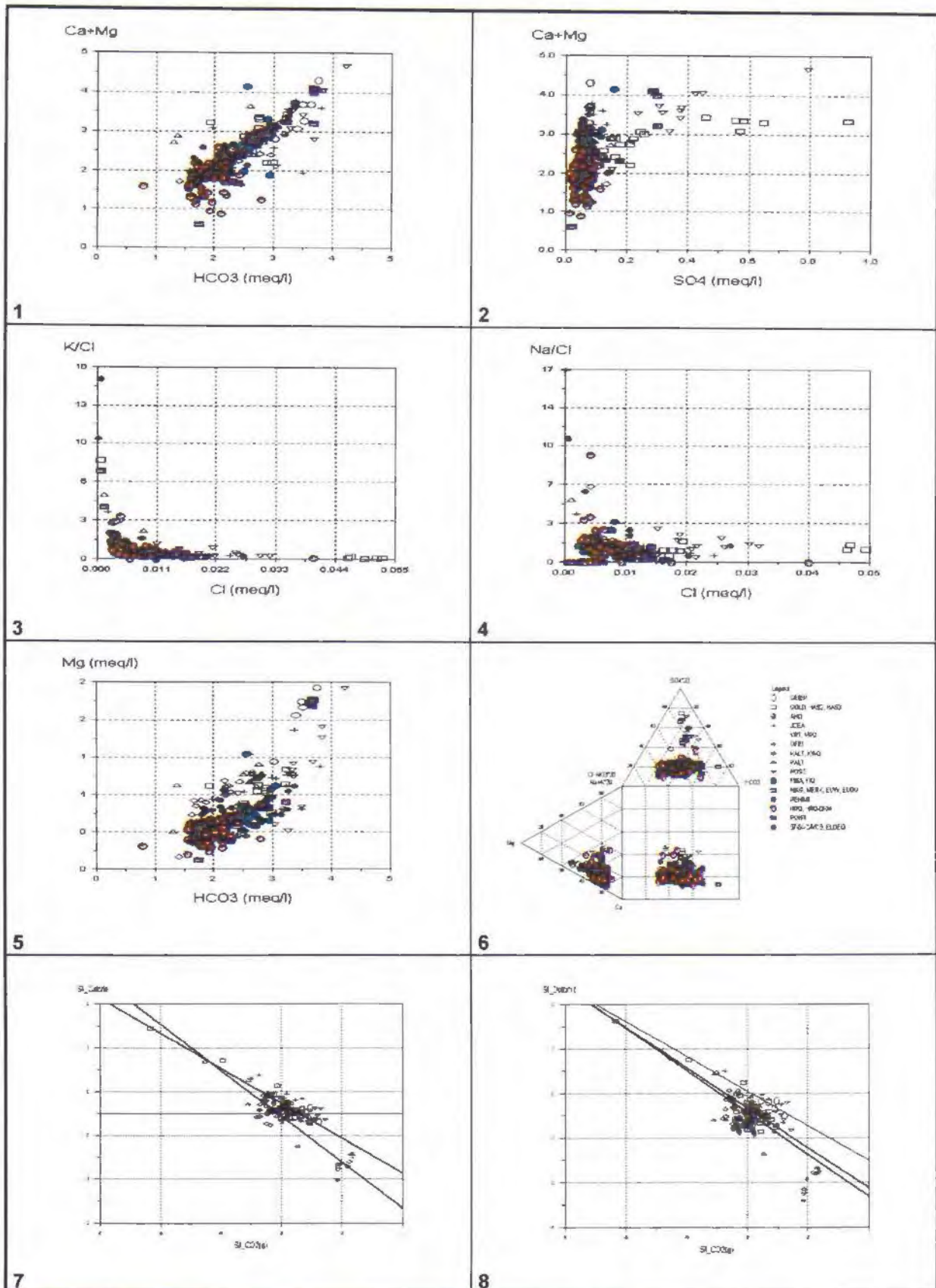
Diagramm 7: CO_2 (g)-Partialdruck als Sättigungsindex gegen Calcit-Sättigungsindex.

Diagramm 8: CO_2 (g)-Partialdruck als Sättigungsindex gegen Dolomit-Sättigungsindex.

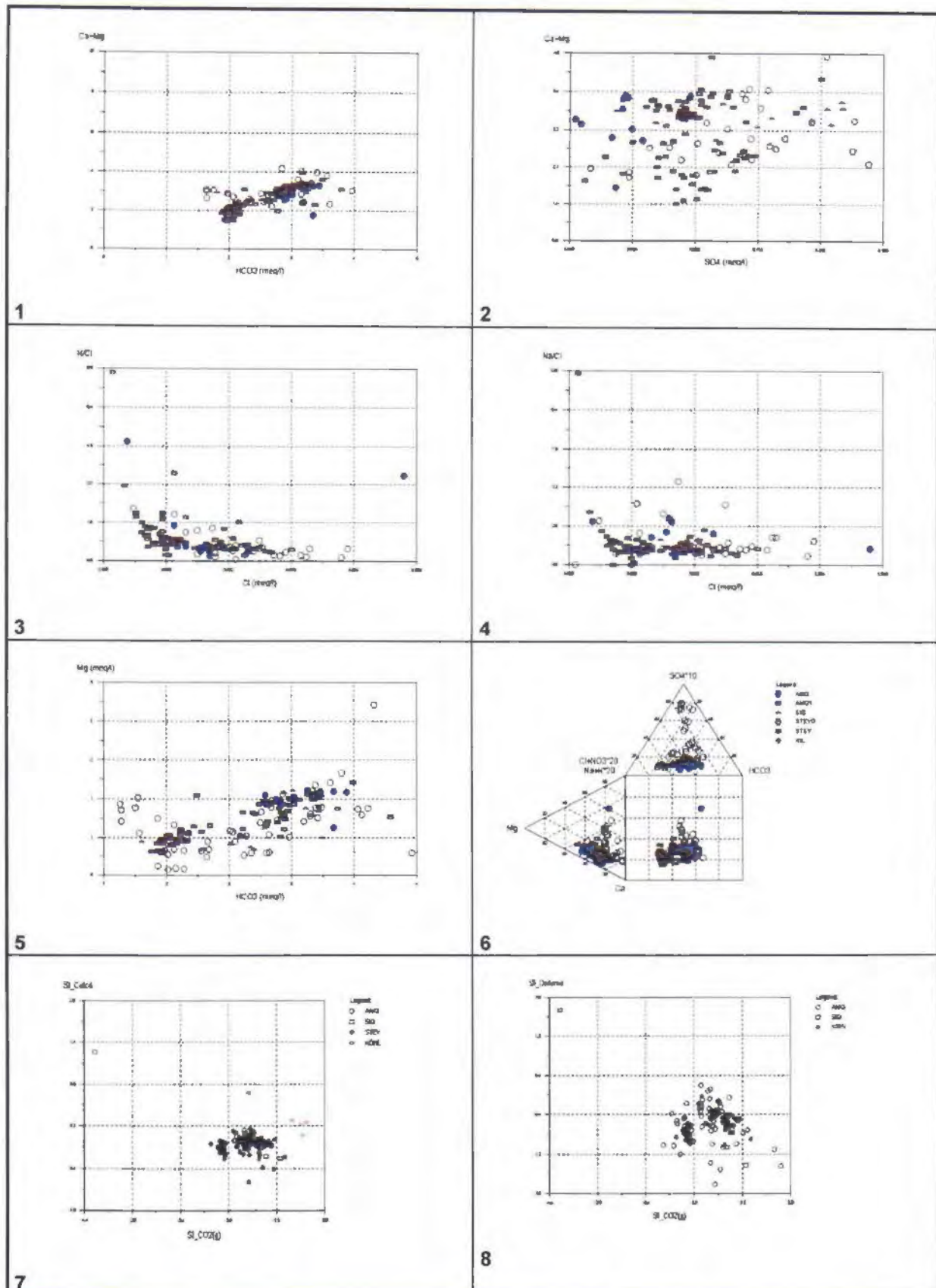
Anhang A-8a: Quellen aus Haselgebirge, Gutensteiner Kalken und Reichenhaller Schichten



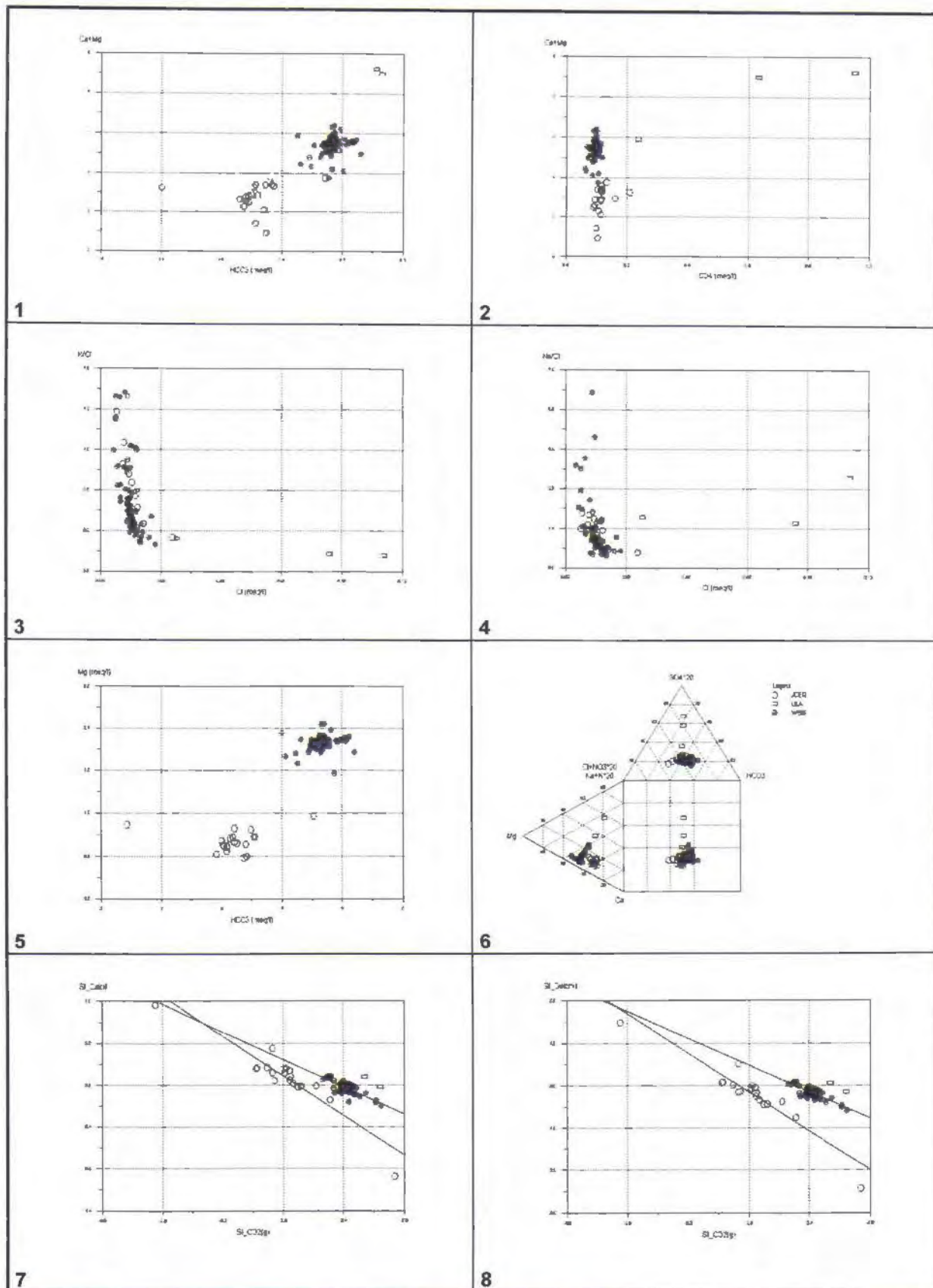
Anhang A-8b: Quellen aus Wettersteinkalk



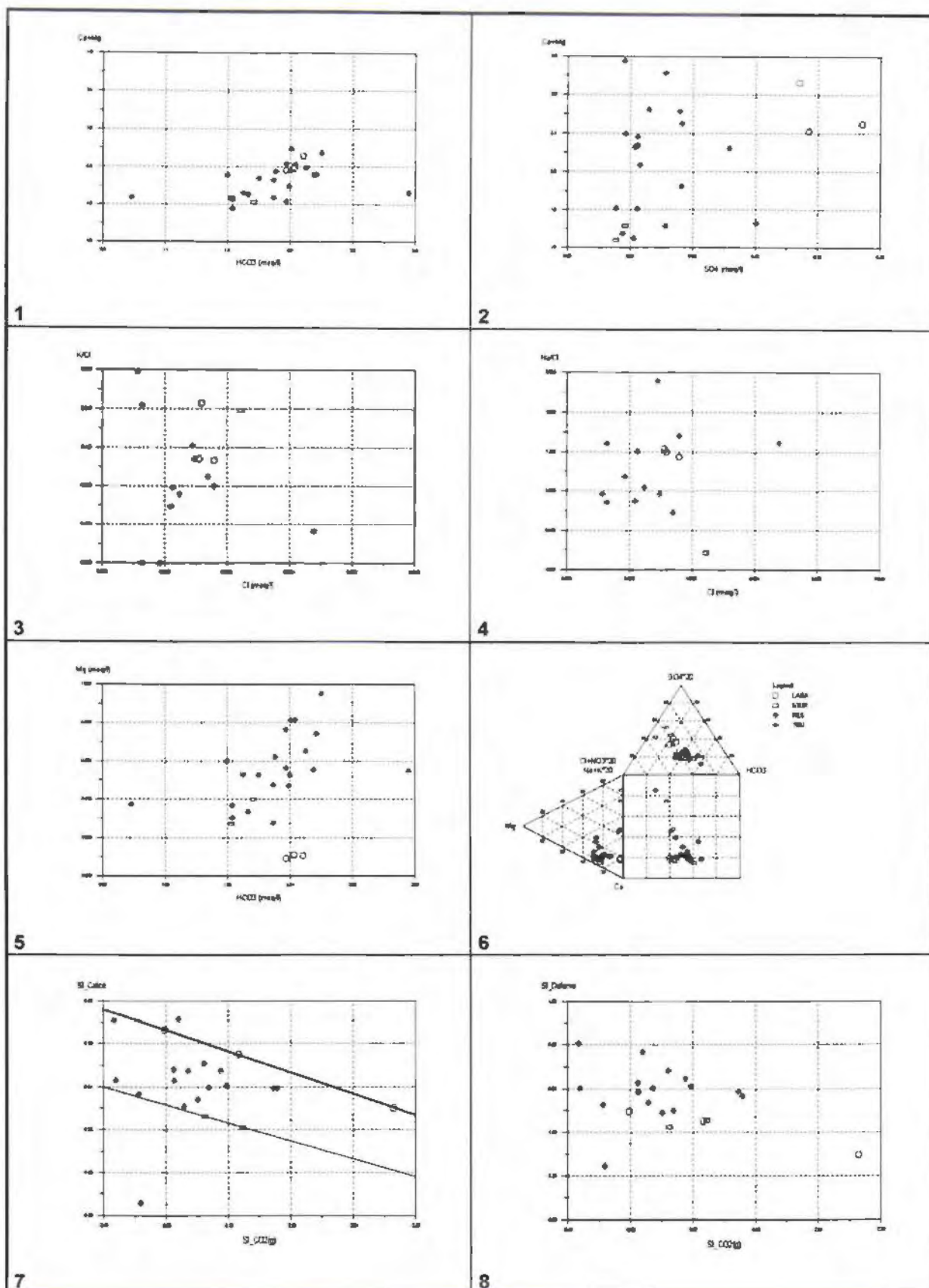
Anhang A-8c: Quellen aus Opponitzer Schichten



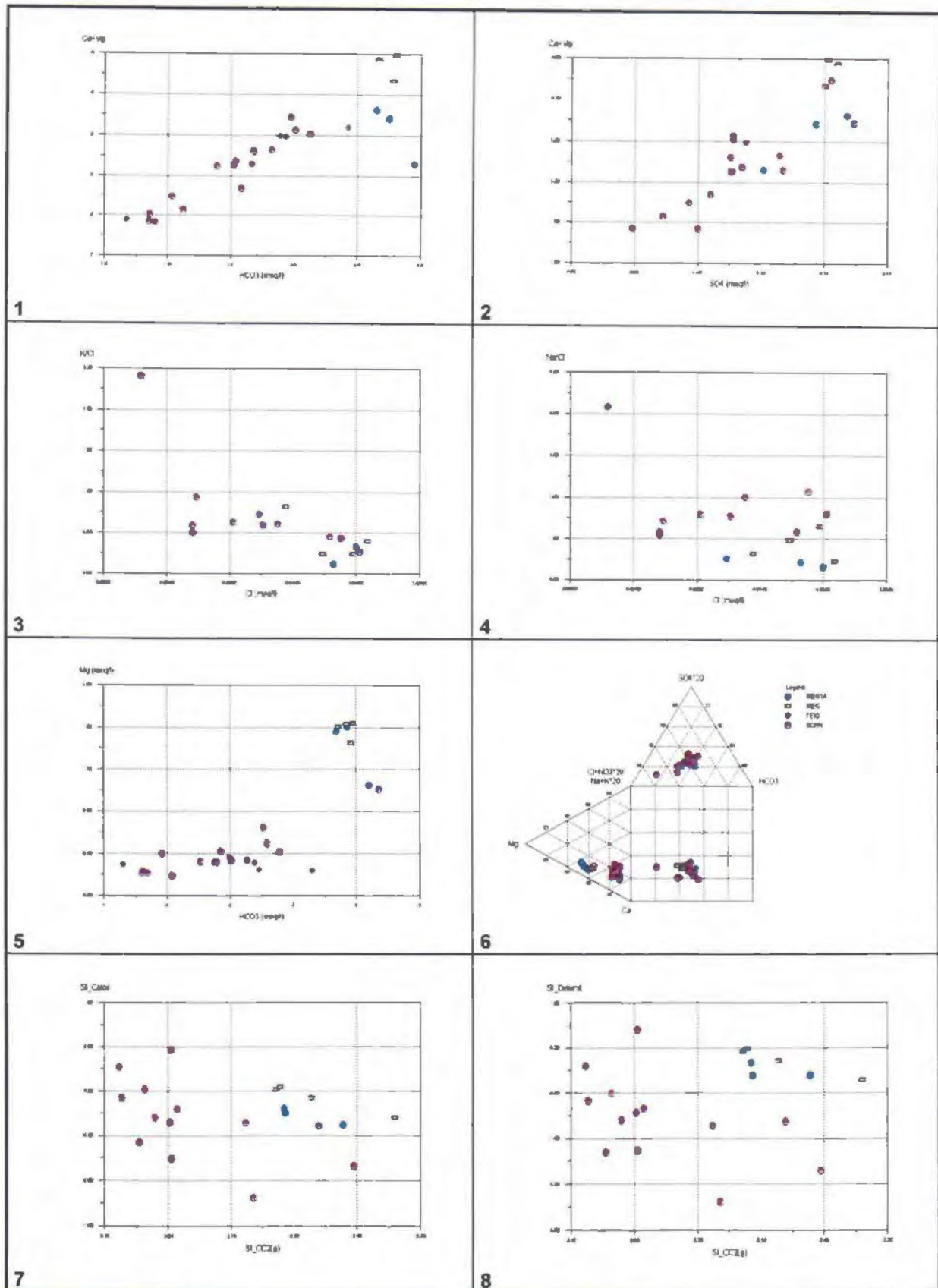
Anhang A-8d: Quellen aus Hauptdolomit



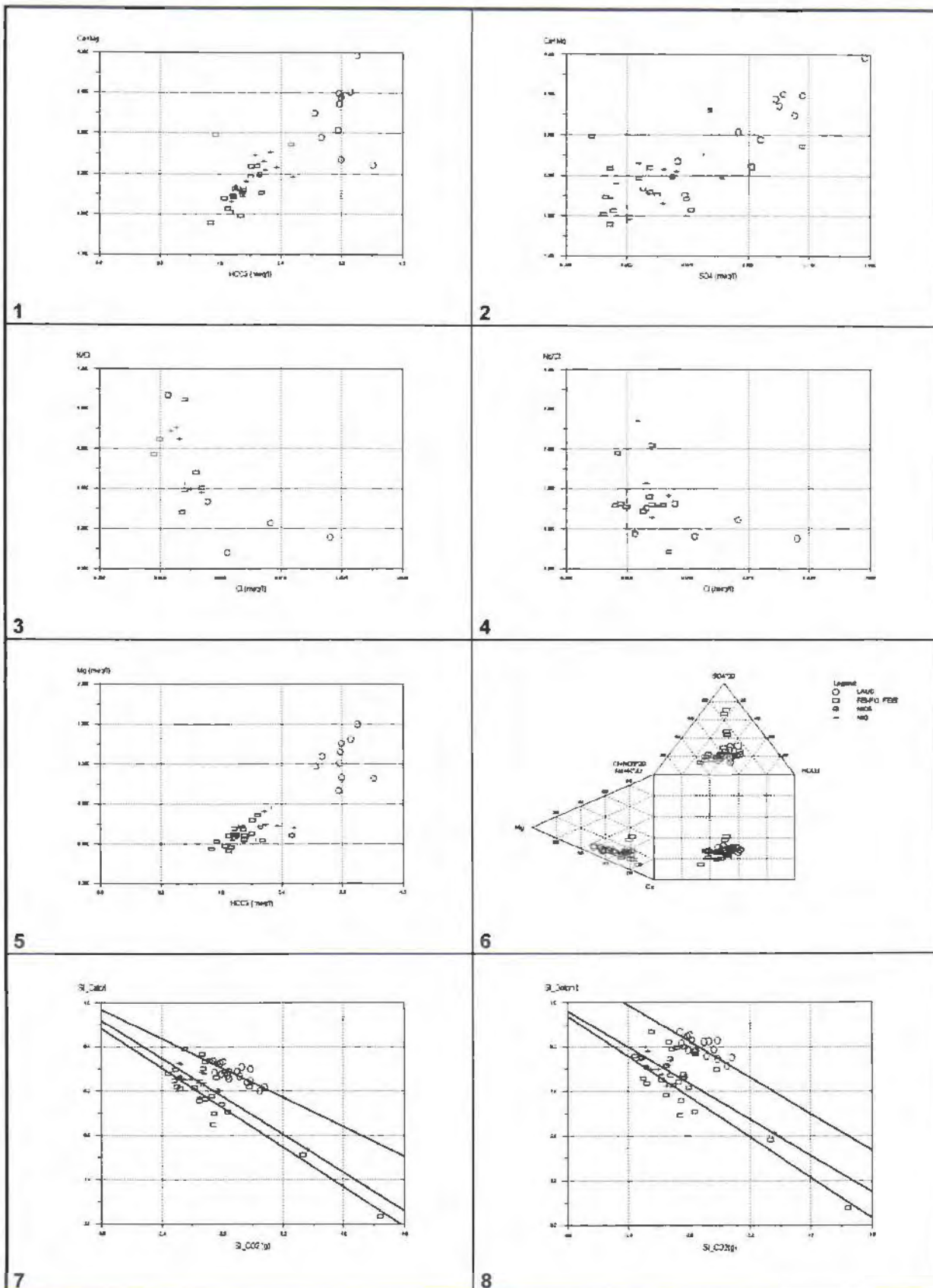
Anhang A-8e: Quellen aus Dachsteinkalk



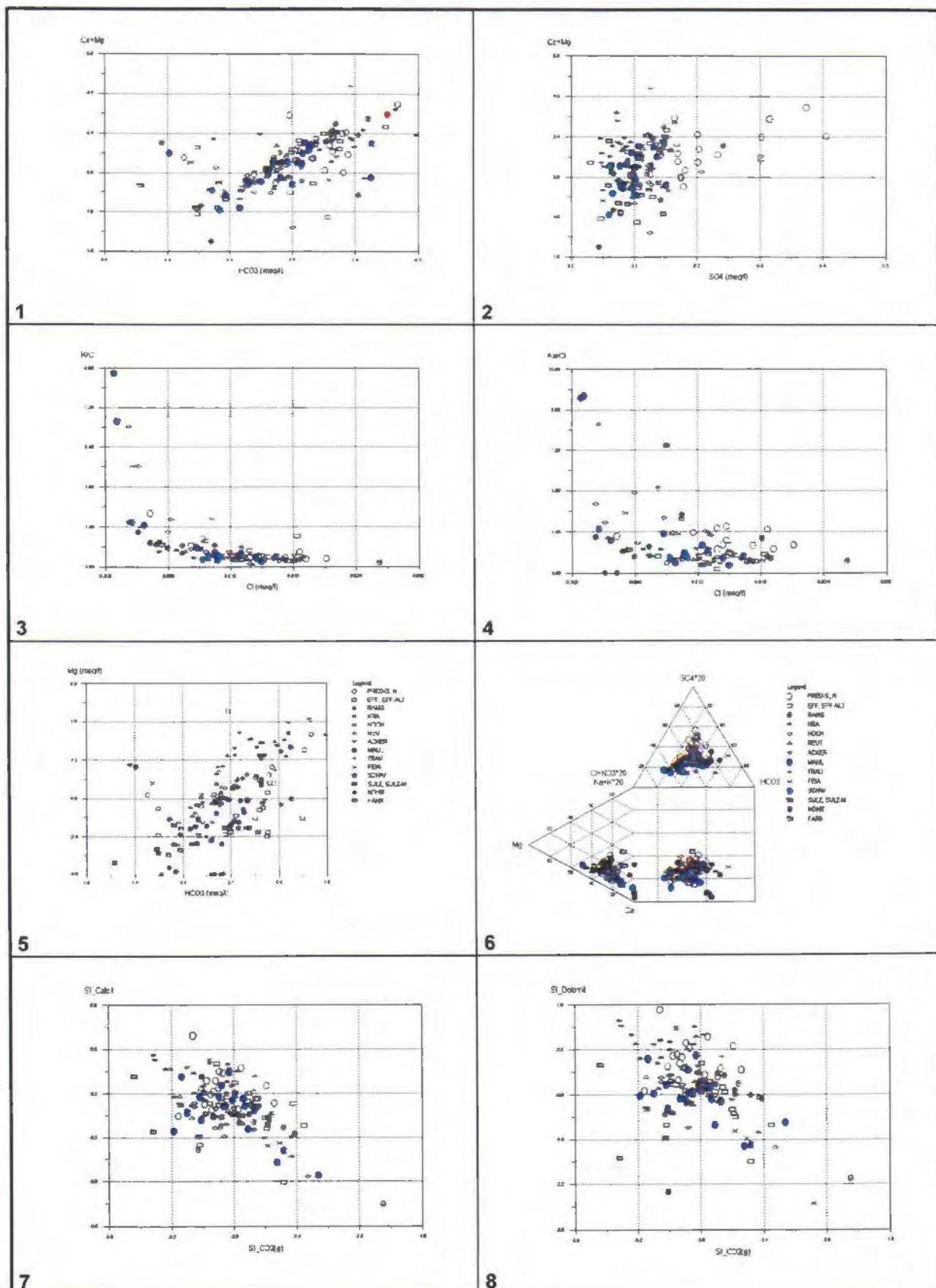
Anhang A-8f: Quellen aus Plattenkalk und Oberrhätalkalk



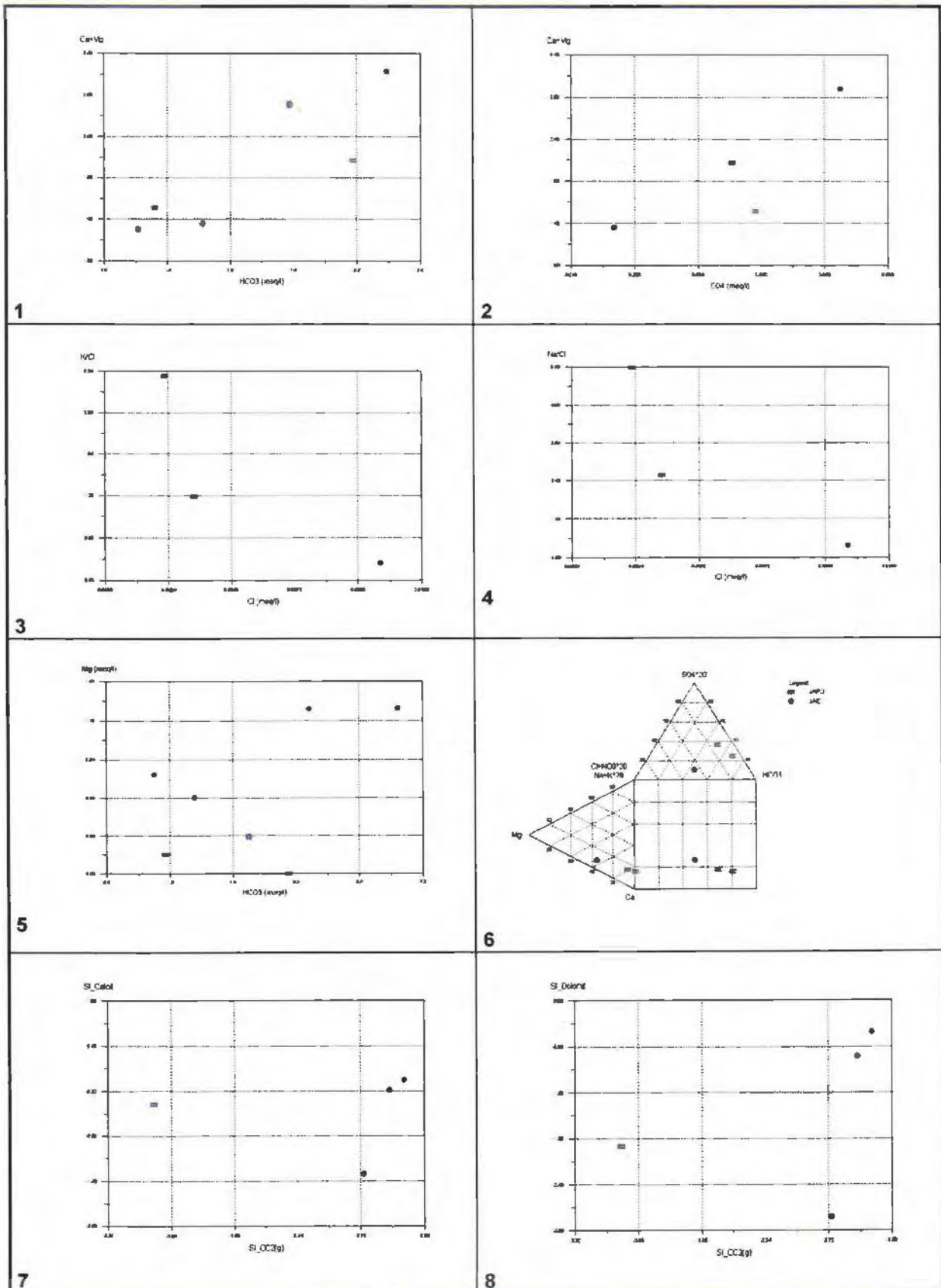
Anhang A-8g: Quellen aus Jurakalken i. a.



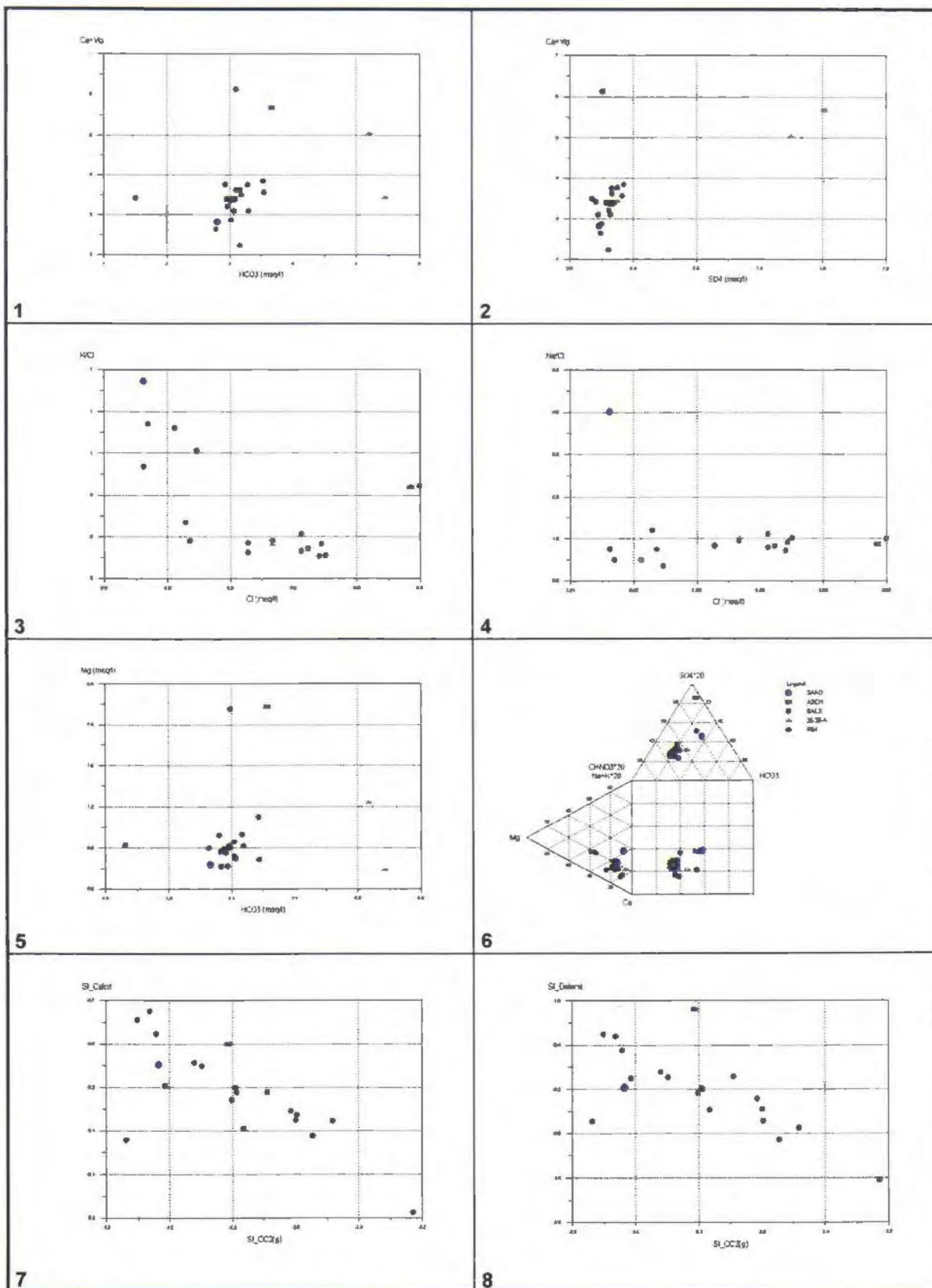
Anhang A-8h: Quellen aus Hierlatzkalk



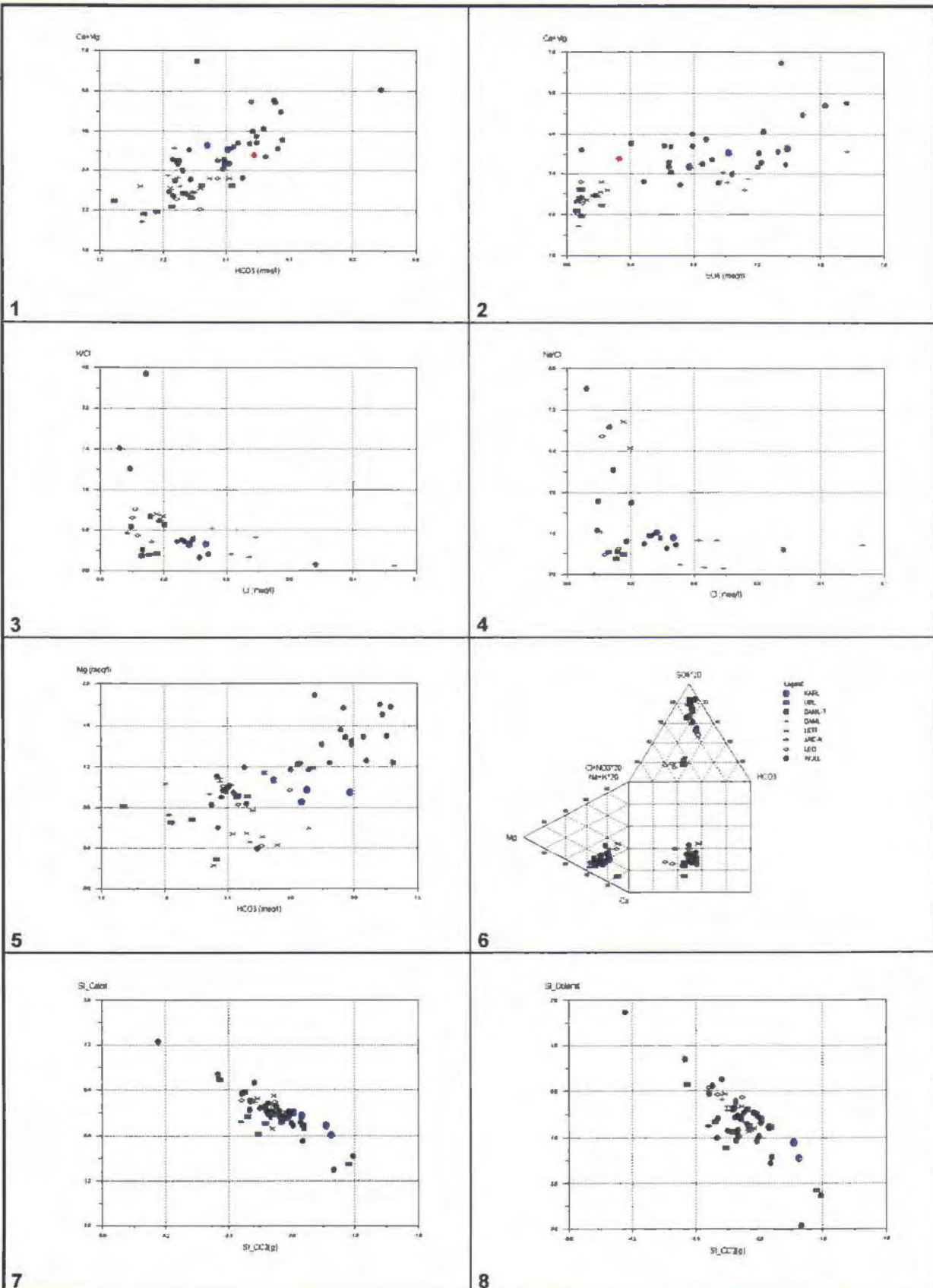
Anhang A-8i: Quellen aus Schrambachschichten und Oberalmer Schichten



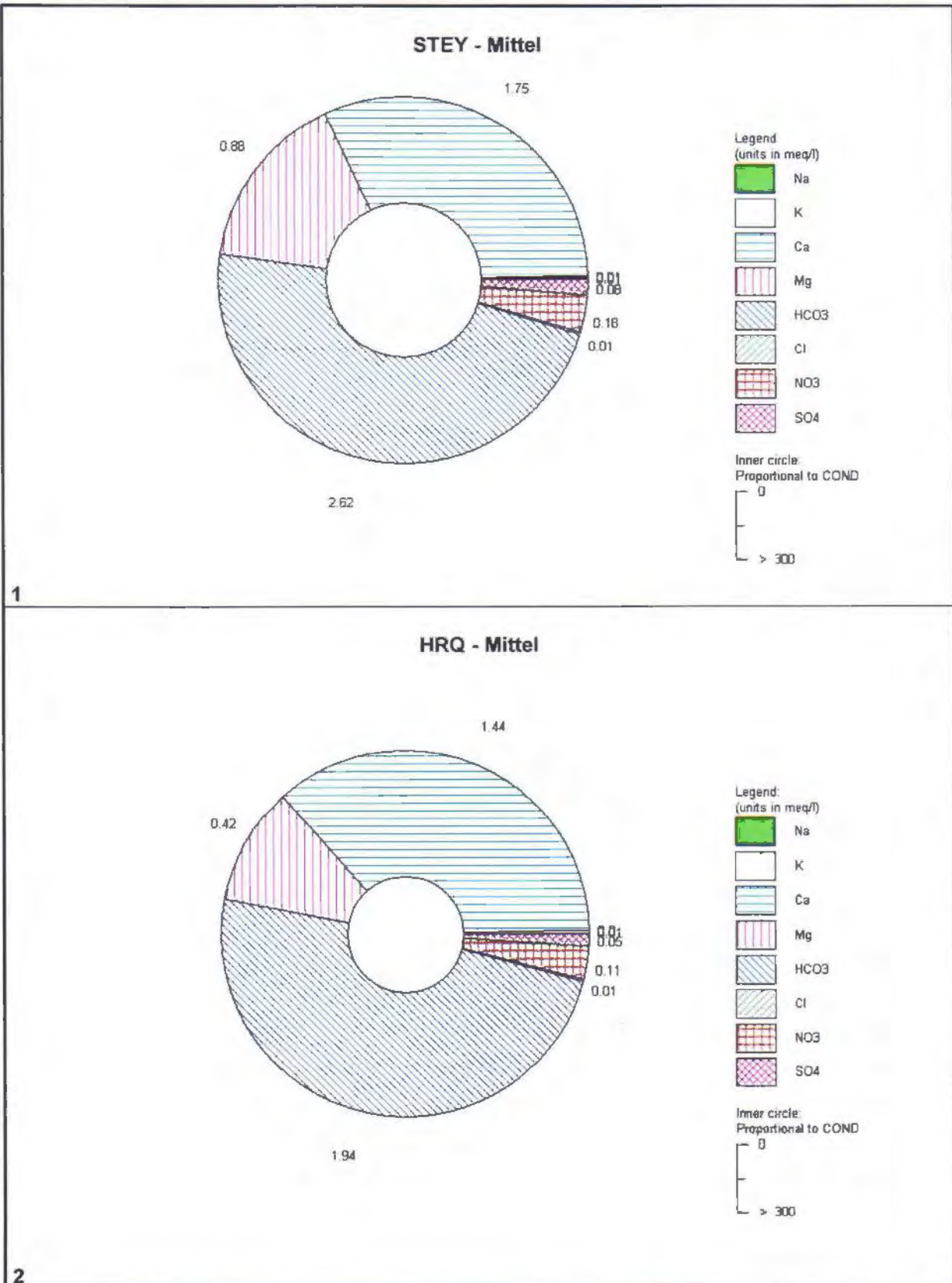
Anhang A-8j: Quellen aus Gosausedimenten und quartären Konglomeraten (Nagelfluh)



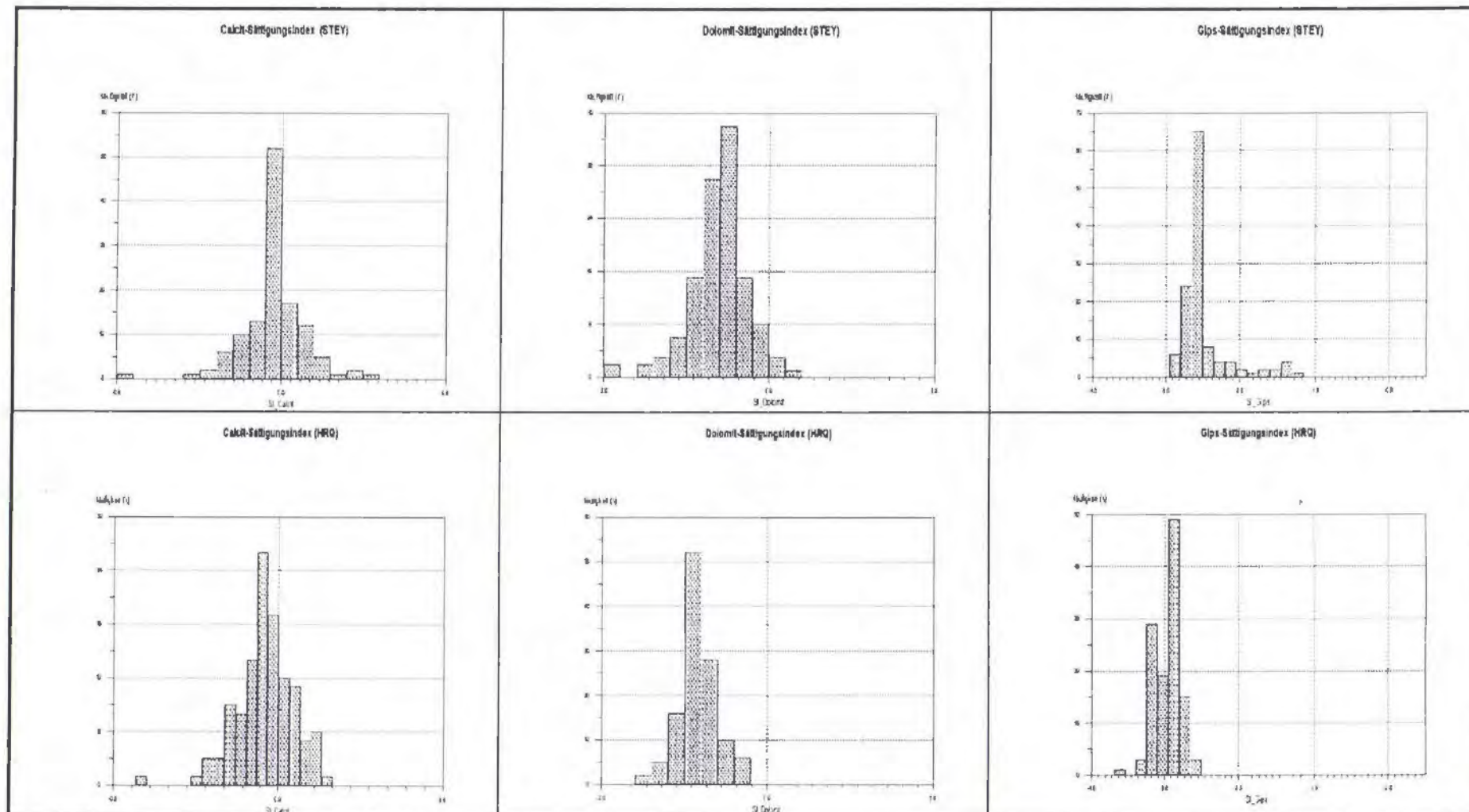
Anhang A-8k: Quellen aus Moränen, Hangschutt, Alluvium und unklassifizierten Bereichen



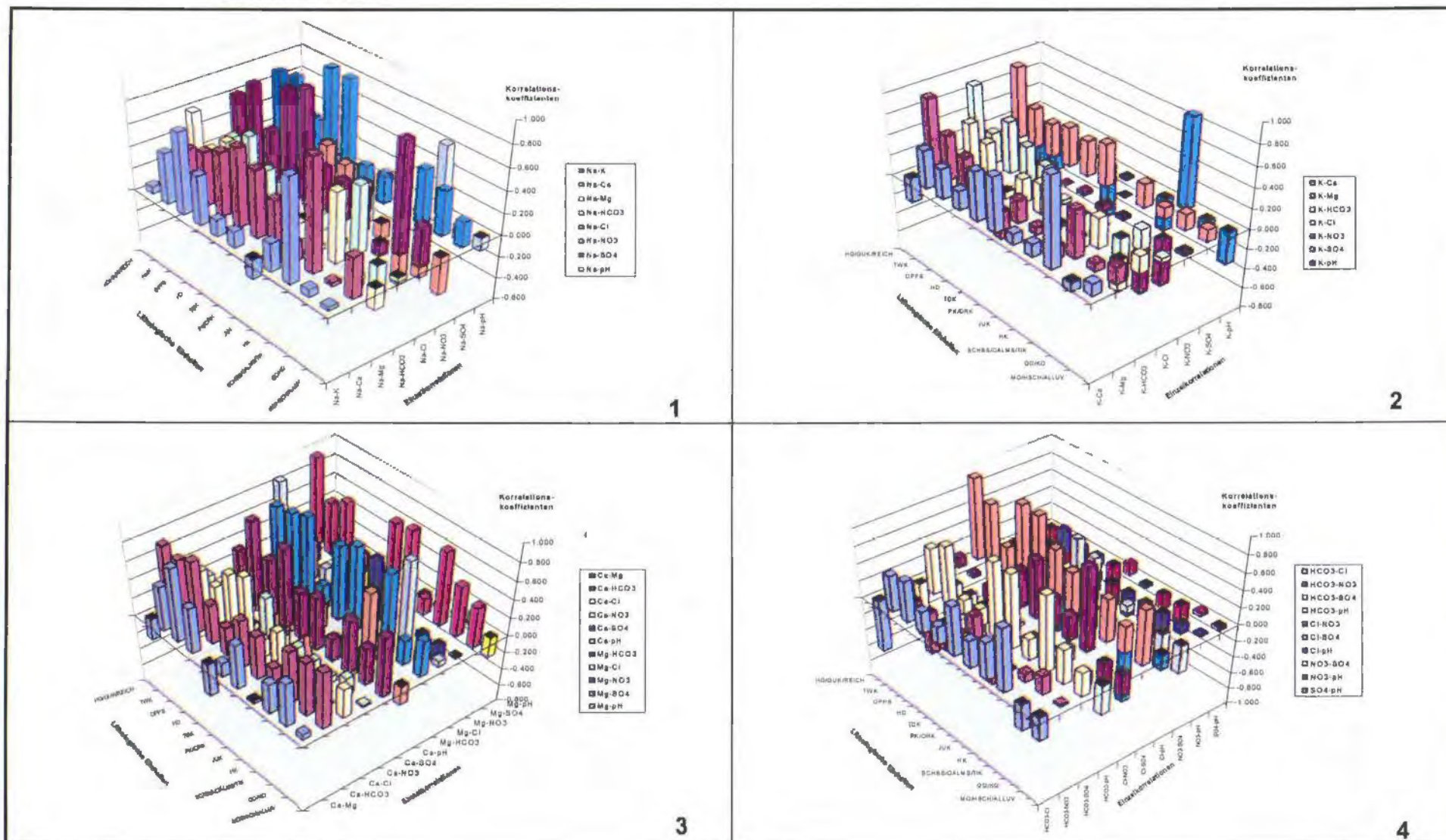
Anhang A-8I: Vergleich der mittleren Ionenkonzentrationen der Steyrerquelle (STEY) und der Quelle des Hinteren Rettenbaches (HRQ)



Anhang A-8m: Vergleich der Sättigungsindizes der Steyrnquelle (STEY) und der Quelle des Hinteren Rettenbaches (HRQ) bzgl. Calcit, Dolomit und Gips



Anhang A-8n: Übersicht zu den Einzelkorrelationen chemischer und physikalischer Parameter innerhalb der Gesteinsheiten



ANHANG B

Isotopenhydrologie - Quellen

- ANHANG B-1: ISOTOPENGEHALTE VON QUELLWÄSSERN**
- ANHANG B-2: ISOTOPENGEHALTE IM NIEDERSCHLAG**
- ANHANG B-3: ISOTOPENGEHALTE BEI AUSGEWÄHLTEN QUELLEN UND
IM NIEDERSCHLAG, EINZELAUSWERTUNGEN**

ANHANG B-1

ISOTOPENGEHALTE VON QUELLWÄSSERN

Erläuterungen:

Spalte GIS_ID: Eindeutige Kennung einer Meßstelle innerhalb der Datenbank "QUELLDAT.MDB".

Spalte Name: Bezeichnung innerhalb des NPK-Flußnummernsystems; wenn nicht verfügbar, dann Bezeichnung nach zur Verfügung stehenden Unterlagen

Spalte Feld-ID: Bezeichnung nach NPK-Feld-ID-Codes, in der Quelldatenbank die Kurzbezeichnung im Monitoring-System.

Spalte ISO-Eval: Bezeichnung, die nur für die vorliegende Auswertung gültig ist und angibt, welche Datensätze für eine bestimmte Auswertung zusammengefaßt worden sind und als zu einer Meßstelle gehörend betrachtet werden.

Spalte EKW-Nr.: Bezeichnung der Meßstelle nach den Unterlagen der Ennskraftwerke A.G.

Spalte Austr.-Sh.: Absolute Höhe der Meßstelle in m ü. Adria.

Spalte Datum: Entnahmedatum der Probe.

Spalte 2-H: Angabe des Deuterium-Gehaltes (^2H) als δD -Wert in ‰ - Abweichung vom V-SMOW.

Spalte 18-O: Angabe des Sauerstoff-18-Gehaltes (^{18}O) als $\delta^{18}\text{O}$ -Wert in ‰ - Abweichung vom V-SMOW.

Spalte Excess: Errechneter Wert des sog. Deuteriumexcesses aus der Beziehung $\delta[^2\text{H}] - 8 * \delta[^{18}\text{O}] = \text{Excess}$. Dieser Wert dient als Kontrollparameter aus der für Mitteleuropa gültigen Standardbeziehung zwischen dem Deuterium und dem Sauerstoff-18-Gehalt im Niederschlag. Nach dieser Beziehung sollte der Wert um 10 betragen. Werte über 15 sind in den Tabellen fett gedruckt und zeigen an, daß entweder Fehlbestimmungen vorliegen, oder zwischen Entnahme und Analyse, oder schon geogen Isotopenfraktionierungseffekte eingetreten sind (z.B. durch Probenverdunstung).

Spalte 3-H: Angabe des Tritium-Gehaltes (^3H) in Tritiumeinheiten T.E. Als radioaktives Isotop im natürlichen Wasserkreislauf vorkommend wird der Tritiumzerfall in Szintillationszählern registriert und schließlich auf T.E. umgerechnet.

Spalte Sigma: Da die Messung des Tritiumzerfalls statistischen Schwankungen unterliegt, wird von den Isotopenlabors die zählstatistische 2-fache Standardabweichung zur Angabe der Ergebnisunsicherheit mitgeteilt.

Spalte Labor: Angabe des analysierenden Isotopenlabors. BVFA = Bundesversuchs- und Forschungsanstalt Arsenal, Geotechnisches Institut, Abteilung Isotopengeophysik, Wien. Die Jahresangabe (z.B. BVFA-70) soll nur die Trennung zwischen älteren und neueren Bestimmungen deutlich machen. Ab 1993 erfolgte die Umbenennung in BFPZ = Bundesforschungs- und Prüfzentrum. Als Zweitinstitution ist die GSF = Gesellschaft für Strahlen- und Umweltforschung, Institut für Hydrologie, München Neuherberg, angeführt.

Spalte Anmerkungen: Die Anmerkungen spezifizieren nähere Details; scheint "gelagert" auf, dann sollten nach den zur Verfügung stehenden Entnahmelisten der Ennskraftwerke A.G. die so gekennzeichneten Proben noch unanalysiert gelagert sein. Lagerort ist entweder das Institut für Hydrogeologie und Geothermie, Joanneum Research, das Bundesforschungs- und Prüfzentrum Arsenal oder falls die Proben dort nicht aufgefunden werden können, an bislang unbekannter dritter Stelle. Soweit die Proben (allenfalls auch Rückstellproben) vorhanden sind, könnten sie dann bei Bedarf gemessen werden. In manchen Fällen ist dies fraglich. Bei einigen Entnahmestellen wurden auch Synonyma oder Lagebezeichnungen beigelegt.

Bei einigen Meßstellen, vor allem aus dem ehemaligen Ennskraftwerkprojekt, fehlen GIS-IDs, Zuordnungen zum Flußnummernverzeichnis, Feld-IDs oder Austrittsseehöhen, da diese nicht innerhalb des Nationalparkgebietes liegen oder bisher nicht eindeutig identifiziert werden konnten.

GIS-ID	Name	Feld-ID	ISO-Eval	EKW-Nr.	Austritts- Seehöhe	Datum	Uhrz.	18-O	2-H	Excess	3-H	Sigma	Labor	Anmerkung
104	33-138-12-AI	SAND	SAND		850	18.08.95		-10.86					GSF	
1014	33-138-13-AA	LAUS	LAUS		545	26.06.95		-11.32			17.6	1.9	GSF	
1014	33-138-13-AA	LAUS	LAUS		545	18.08.95		-10.71					GSF	
1014	33-138-13-AA	LAUS	LAUS		545	25.01.96		-11.78					GSF	
1014	33-138-13-AA	LAUS	LAUS		545	02.05.96		-12.93					GSF	
1014	33-138-13-AA	LAUS	LAUS		545	12.07.96	17:30	-10.33					GSF	
1142	33-138-1-CE	ROK	ROK		855	25.01.96		-11.65					GSF	
1142	33-138-1-CE	ROK	ROK		855	02.05.96		-11.68					GSF	
1142	33-138-1-CE	ROK	ROK		855	12.07.96	16:40	-11.53					GSF	
1185	33-138-1-EBA	KARL	KARL		850	18.08.95		-11.78					GSF	
1132	33-138-7-AA	SAG	SAG		690	18.08.95		-10.59					GSF	
1132	33-138-7-AA	SAG	SAG		690	02.05.96		-13.81					GSF	
1132	33-138-7-AA	SAG	SAG		690	12.07.96	17:10	-10.38					GSF	
513	33-184-01-IE	TRI4	TRI4		770	10.07.96		-11.49					GSF	
135	34-01-7-CDA	ASCH	ASCH		615	17.08.95		-11.58					GSF	
143	34-01-7-CFA	BAUX	BAUX		790	17.08.95		-10.79					GSF	
37	34-02-1-ABC	AMQ	AMQ		1164	17.08.95		-11.82					GSF	
37	34-02-1-ABC	AMQ	AMQ		1164	25.01.96		-12.18					GSF	
37	34-02-1-ABC	AMQ	AMQ		1164	03.05.96		-12.69					GSF	
37	34-02-1-ABC	AMQ	AMQ		1164	12.07.96	15:00	-11.75					GSF	
178	34-02-3-ECB	GEIER	GEIER		850	17.08.95		-10.44					GSF	
178	34-02-3-ECB	GEIER	GEIER		850	02.05.96		-12.34					GSF	
178	34-02-3-ECB	GEIER	GEIER		850	12.07.96	13:00	-10.68					GSF	
181	34-02-3-GB	GOLD	GOLD		595	25.01.96		-12.28					GSF	
176	34-02-3-J	HAS3	HAS3		575	28.04.93		-12.48					GSF	
176	34-02-3-J	HAS3	HAS3		575	03.08.93		-10.00					GSF	
176	34-02-3-J	HAS3	HAS3		575	21.10.93		-10.77					GSF	
176	34-02-3-J	HAS3	HAS3		575	06.04.94		-11.77			16.6	2.5	GSF	
176	34-02-3-J	HAS3	HAS3		575	15.05.94		-12.35			18.1	2.2	GSF	
176	34-02-3-J	HAS3	HAS3		575	11.08.94		-11.05			17.6	2.2	GSF	
176	34-02-3-J	HAS3	HAS3		575	18.10.94		-10.27			17.3	2.1	GSF	
176	34-02-3-J	HAS3	HAS3		575	03.03.95		-12.60			15	1.6	GSF	
176	34-02-3-J	HAS3	HAS3		575	09.05.95		-13.04			21.4	3	GSF	
176	34-02-3-J	HAS3	HAS3		575	06.06.95		-12.95			15.1	1.5	GSF	
176	34-02-3-J	HAS3	HAS3		575	26.06.95		-11.92			16.3	1.7	GSF	
176	34-02-3-J	HAS3	HAS3		575	15.08.95		-11.52					GSF	
176	34-02-3-J	HAS3	HAS3		575	11.10.95		-11.59					GSF	
176	34-02-3-J	HAS3	HAS3		575	05.12.95		-12.20					GSF	
176	34-02-3-J	HAS3	HAS3		575	11.01.96		-12.53					GSF	
176	34-02-3-J	HAS3	HAS3		575	25.01.96		-12.08					GSF	
176	34-02-3-J	HAS3	HAS3		575	07.02.96		-12.49			16	1.5	GSF	
176	34-02-3-J	HAS3	HAS3		575	07.03.96		-12.59					GSF	

GIS-ID	Name	Feld-ID	ISO-Eval	EKW-Nr.	Austritts- Seehöhe	Datum	Uhrz.	18-O	2-H	Excess	3-H	Sigma	Labor	Anmerkung
176	34-02-3-J	HAS3	HAS3		575	03.04.96		-13.33			15.1	1.5	GSF	
176	34-02-3-J	HAS3	HAS3		575	02.05.96		-13.36					GSF	
176	34-02-3-J	HAS3	HAS3		575	19.06.96		-12.21			16.4	1.6	GSF	
176	34-02-3-J	HAS3	HAS3		575	12.07.96	12:10	-10.74					GSF	
368	34-02-4-2-DBC	AHO	AHO		925	17.08.95		-11.27					GSF	
368	34-02-4-2-DBC	AHO	AHO		925	25.01.96		-10.72					GSF	
368	34-02-4-2-DBC	AHO	AHO		925	02.05.96		-13.04					GSF	
368	34-02-4-2-DBC	AHO	AHO		925	12.07.96	10:30	-11.03					GSF	
360	34-02-4-2-F	JOEA	JOEA		785	17.08.95		-10.26					GSF	
360	34-02-4-2-F	JOEA	JOEA		785	25.01.96		-11.89					GSF	
360	34-02-4-2-F	JOEA	JOEA		785	02.05.96		-13.27					GSF	
360	34-02-4-2-F	JOEA	JOEA		785	12.07.96	11:00	-10.87					GSF	
359	34-02-4-2-I	JOEQ	JOEQ		715	26.06.95		-11.42			17.1	1.6	GSF	
359	34-02-4-2-I	JOEQ	JOEQ		715	17.08.95		-11.10					GSF	
359	34-02-4-2-I	JOEQ	JOEQ		715	25.01.96		-11.31					GSF	
359	34-02-4-2-I	JOEQ	JOEQ		715	02.05.96		-11.65					GSF	
359	34-02-4-2-I	JOEQ	JOEQ		715	12.07.96	11:30	-11.40					GSF	
186	34-02-4-ACA	SIQ	SIQ		1054	26.06.95		-12.20			16.3	1.6	GSF	
186	34-02-4-ACA	SIQ	SIQ		1054	17.08.95		-11.25					GSF	
186	34-02-4-ACA	SIQ	SIQ		1054	02.05.96		-13.47					GSF	
186	34-02-4-ACA	SIQ	SIQ		1054	12.07.96	13:40	-11.34					GSF	
1062	34-03-AD	KEIX	KEIX		735	17.08.95		-10.97					GSF	
1084	34-05-BA	FIG1	FIG1		590	10.07.96		-11.50					GSF	
860	34-09-BA	PRED-S	EKW296	296	445	10.02.69			-68.80		237	23	BVFA-70	Bereich Reichr.-bach
860	34-09-BA	PRED-S	EKW296	296	445	22.05.69					229	29	BVFA-69	Bereich Reichr.-bach
419	34-09-C	PRED-N	PRED-N	297	445	26.06.95		-11.39			17.3	1.6	GSF	
419	34-09-C	PRED-N	PRED-N	297	445	17.08.95		-10.92					GSF	
419	34-09-C	PRED-N	PRED-N	297	445	25.01.96		-11.81					GSF	
419	34-09-C	PRED-N	PRED-N	297	445	02.05.96		-12.85					GSF	
419	34-09-C	PRED-N	PRED-N	297	445	12.07.96	18:30	-10.82					GSF	
858	34-09-E	LILA	LILA		445	17.08.95		-10.47					GSF	
881	34-16-1-H	FLI9	EKW266	266	560	10.05.69					174	17	BVFA-69	Bereich Reichr.-bach
896	34-16-1-OA	WEIS	WEIS		480	16.05.94		-11.12			29.5	3.1	GSF	
896	34-16-1-OA	WEIS	WEIS		480	11.08.94		-11.06			27.3	2.7	GSF	
896	34-16-1-OA	WEIS	WEIS		480	18.10.94		-11.05			30.1	2.7	GSF	
896	34-16-1-OA	WEIS	WEIS		480	03.03.95		-11.31			25.7	2	GSF	
896	34-16-1-OA	WEIS	WEIS		480	09.05.95		-11.29			27.1	3	GSF	
896	34-16-1-OA	WEIS	WEIS		480	06.06.95		-11.26			26.6	2.3	GSF	
896	34-16-1-OA	WEIS	WEIS		480	26.06.95		-11.30			26.1	2.1	GSF	
896	34-16-1-OA	WEIS	WEIS		480	15.08.95		-10.94					GSF	
896	34-16-1-OA	WEIS	WEIS		480	11.10.95		-11.07					GSF	
896	34-16-1-OA	WEIS	WEIS		480	08.11.95		-10.95					GSF	

GIS-ID	Name	Feld-ID	ISO-Eval	EKW-Nr.	Austritts- Seehöhe	Datum	Uhrz.	18-O	2-H	Excess	3-H	Sigma	Labor	Anmerkung
896	34-16-1-OA	WEIS	WEIS		480	05.12.95		-11.09					GSF	
896	34-16-1-OA	WEIS	WEIS		480	17.01.96		-11.03					GSF	
896	34-16-1-OA	WEIS	WEIS		480	25.01.96		-10.84					GSF	
896	34-16-1-OA	WEIS	WEIS		480	07.02.96		-11.22			27.3	2.6	GSF	
896	34-16-1-OA	WEIS	WEIS		480	06.03.96		-11.13					GSF	
896	34-16-1-OA	WEIS	WEIS		480	03.04.96		-11.08			24.5	2.2	GSF	
896	34-16-1-OA	WEIS	WEIS		480	02.05.96		-11.24					GSF	
896	34-16-1-OA	WEIS	WEIS		480	19.06.96		-11.24			24.8	2.2	GSF	
896	34-16-1-OA	WEIS	WEIS		480	12.07.96	09:30	-11.12					GSF	
A122	35-01-	STUR	STUR		719	10.07.96	17:45	-11.76					GSF	
280	35-20-BBA	VRQ	VRQ		560	18.06.91		-12.17	-83.90	13.46	18.8	1	BVFA-91	Teutelskirche (Mo-TK2)
1211	35-20-BBB	VRQ	VRQ		533	03.08.91		-10.40			26.4	3	GSF	
1211	35-20-BBB	VRQ	VRQ		533	28.04.93		-12.45					GSF	
1211	35-20-BBB	VRQ	VRQ		533	03.08.93		-9.61					GSF	
1211	35-20-BBB	VRQ	VRQ		533	21.10.93		-10.71					GSF	
1211	35-20-BBB	VRQ	VRQ		533	08.04.94		-11.57			18.1	2.5	GSF	
1211	35-20-BBB	VRQ	VRQ		533	16.05.94		-12.61			15.8	2.1	GSF	
1211	35-20-BBB	VRQ	VRQ		533	11.08.94		-11.18			19.3	2.6	GSF	
1211	35-20-BBB	VRQ	VRQ		533	18.10.94		-10.40			18.7	2.2	GSF	
1211	35-20-BBB	VRQ	VRQ		533	02.03.95		-12.76			14.8	1.4	GSF	
1211	35-20-BBB	VRQ	VRQ		533	09.05.95		-13.37			14.3	2.3	GSF	
1211	35-20-BBB	VRQ	VRQ		533	07.06.95		-12.99			16.7	1.6	GSF	
1211	35-20-BBB	VRQ	VRQ		533	26.06.95		-11.12			18.9	2	GSF	
1211	35-20-BBB	VRQ	VRQ		533	15.08.95		-10.79					GSF	
1211	35-20-BBB	VRQ	VRQ		533	08.11.95		-11.14					GSF	
1211	35-20-BBB	VRQ	VRQ		533	25.01.96		-11.65					GSF	
1211	35-20-BBB	VRQ	VRQ		533	03.05.96		-13.64					GSF	
1211	35-20-BBB	VRQ	VRQ		533	18.06.96		-11.82			17.7	2.8	GSF	
1211	35-20-BBB	VRQ	VRQ		533	10.07.96		-10.95					GSF	
1000	35-24-FC	TRAU	TRAU		505	18.08.95		-10.48					GSF	
A051	35-27-AB	RIEG	RIEG		460	24.01.96		-10.88					GSF	
A050	35-27-AC	RIEG	RIEG		445	03.05.96		-11.37					GSF	
A050	35-27-AC	RIEG	RIEG		445	10.07.96		-10.97					GSF	
272	35-28-DAA	EFF	EFF		665	18.08.95		-10.46					GSF	
272	35-28-DAA	EFF	EFF		665	25.01.96		-11.24					GSF	
272	35-28-DAA	EFF	EFF		665	03.05.96		-12.23					GSF	
272	35-28-DAA	EFF	EFF		665	10.07.96		-10.62					GSF	
316	35-34-1-ACB	FEI-SEE	FEIS		1357	19.08.95		-11.60					GSF	
316	35-34-1-ACB	FEI-SEE	FEIS		1357	22.04.96	11:20	-12.45					GSF	
316	35-34-1-ACB	FEI-SEE	FEIS		1357	04.05.96		-12.81					GSF	
316	35-34-1-ACB	FEI-SEE	FEIS		1357	11.07.96		-12.18					GSF	
256	35-34-1-BA	FEIQ	FEIQ		1360	22.04.96	12:15	-12.21					GSF	

GIS-ID	Name	Feld-ID	ISO-Eval	EKW-Nr.	Austritts- Seehöhe	Datum	Uhrz.	18-O	2-H	Excess	3-H	Sigma	Labor	Anmerkung
314	35-34-1-D	SONN	SONN		1270	19.08.95		-10.33					GSF	
314	35-34-1-D	SONN	SONN		1270	04.05.96		-13.85					GSF	
298	35-34-1-ED	NIQ	NIQ		915	19.08.95		-11.77					GSF	
298	35-34-1-ED	NIQ	NIQ		915	04.05.96		-13.38					GSF	
231	35-34-2-CB	KWQ	KWQ		660	19.08.95		-10.42					GSF	
231	35-34-2-CB	KALT	KALT		715	25.01.96		-12.21					GSF	
231	35-34-2-CD	KALT	KALT		715	04.05.96		-13.36					GSF	
231	35-34-2-CB	KALT	KALT		715	11.07.96		-10.93					GSF	
253	35-34-6-G	MO140	EKW140	140	590	10.01.69			-67.00		265	24	BVFA-69	
253	35-34-6-G	MO140	EKW140	140	590	10.02.69			-70.80		278	25	BVFA-69	
253	35-34-6-G	MO140	EKW140	140	590	10.03.69			-93.60		239	23	BVFA-69	
253	35-34-6-G	MO140	EKW140	140	590	09.04.69			-101.90		194	18	BVFA-69	
253	35-34-6-G	MO140	EKW140	140	590	09.05.69			-94.90		220	21	BVFA-69	
253	35-34-6-G	MO140	EKW140	140	590	09.06.69			-75.30		239	22	BVFA-69	
253	35-34-6-G	MO140	EKW140	140	590	18.07.69			-84.70				BVFA-69	
253	35-34-6-G	MO140	EKW140	140	590	12.08.69			-79.00		277	25	BVFA-69	
253	35-34-6-G	MO140	EKW140	140	590	11.09.69								gelagert
253	35-34-6-G	MO140	EKW140	140	590	09.10.69								gelagert
253	35-34-6-G	MO140	EKW140	140	590	10.11.69								gelagert
253	35-34-6-G	MO140	EKW140	140	590	10.12.69								gelagert
253	35-34-6-G	MO140	EKW140	140	590	09.01.70								gelagert
253	35-34-6-G	MO140	EKW140	140	590	06.02.70								gelagert
253	35-34-6-G	MO140	EKW140	140	590	10.03.70								gelagert
253	35-34-6-G	MO140	EKW140	140	590	09.04.70					184	13	BVFA-70	
253	35-34-6-G	MO140	EKW140	140	590	11.05.70								gelagert
253	35-34-6-G	MO140	EKW140	140	590	04.06.70								gelagert
253	35-34-6-G	MO140	EKW140	140	590	03.07.70								gelagert
253	35-34-6-G	MO140	EKW140	140	590	12.08.70								gelagert
253	35-34-6-G	MO140	EKW140	140	590	07.09.70								gelagert
253	35-34-6-G	MO140	EKW140	140	590	05.10.70								gelagert
253	35-34-6-G	MO140	EKW140	140	590	10.11.70								gelagert
253	35-34-6-G	MO140	EKW140	140	590	11.12.70								gelagert
310	35-34-7-BA	PALT	PALT	195	570	09.04.69			-70.60		228	22	BVFA-69	
310	35-34-7-BA	PALT	PALT	195	570	09.05.69			-74.80		227	22	BVFA-69	
310	35-34-7-BA	PALT	PALT	195	570	09.06.69			-74.20		239	22	BVFA-69	
310	35-34-7-BA	PALT	PALT	195	570	18.07.69								gelagert
310	35-34-7-BA	PALT	PALT	195	570	12.08.69					243	22	BVFA-69	
310	35-34-7-BA	PALT	PALT	195	570	11.09.69								gelagert
310	35-34-7-BA	PALT	PALT	195	570	06.02.70								gelagert
310	35-34-7-BA	PALT	PALT	195	570	10.03.70								gelagert
310	35-34-7-BA	PALT	PALT	195	570	09.04.70					254	15	BVFA-70	
310	35-34-7-BA	PALT	PALT	195	570	11.05.70								gelagert

GIS-ID	Name	Feld-ID	ISO-Eval	EKW-Nr.	Austritts- Seehöhe	Datum	Uhrz.	18-O	2-H	Excess	3-H	Sigma	Labor	Anmerkung
310	35-34-7-BA	PALT	PALT	195	570	04.06.70								gelagert
310	35-34-7-BA	PALT	PALT	195	570	03.07.70								gelagert
310	35-34-7-BA	PALT	PALT	195	570	12.08.70								gelagert
310	35-34-7-BA	PALT	PALT	195	570	07.09.70								gelagert
310	35-34-7-BA	PALT	PALT	195	570	05.10.70								gelagert
310	35-34-7-BA	PALT	PALT	195	570	10.11.70								gelagert
310	35-34-7-BA	PALT	PALT	195	570	11.12.70								gelagert
310	35-34-7-BA	PALT	PALT	195	570	03.08.91		-11.22			21.5	2.3	GSF	
310	35-34-7-BA	PALT	PALT	195	570	26.04.93		-11.69					GSF	
310	35-34-7-BA	PALT	PALT	195	570	05.08.93		-10.99					GSF	
310	35-34-7-BA	PALT	PALT	195	570	07.04.94		-11.19			15	2	GSF	
310	35-34-7-BA	PALT	PALT	195	570	15.05.94		-11.89			15.6	2	GSF	
310	35-34-7-BA	PALT	PALT	195	570	17.10.94		-11.37			17.4	2	GSF	
310	35-34-7-BA	PALT	PALT	195	570	04.03.95		-11.63			15.4	1.5	GSF	
310	35-34-7-BA	PALT	PALT	195	570	11.05.95		-12.38			14.1	2.3	GSF	
310	35-34-7-BA	PALT	PALT	195	570	07.06.95		-12.35			14.9	1.6	GSF	
310	35-34-7-BA	PALT	PALT	195	570	27.06.95		-11.62			19.1	1.9	GSF	
310	35-34-7-BA	PALT	PALT	195	570	10.10.95		-11.53					GSF	
310	35-34-7-BA	PALT	PALT	195	570	08.11.95		-11.46					GSF	
310	35-34-7-BA	PALT	PALT	195	570	04.01.96		-11.80					GSF	
310	35-34-7-BA	PALT	PALT	195	570	01.04.96		-12.44			14.5	1.5	GSF	
310	35-34-7-BA	PALT	PALT	195	570	04.05.96		-12.60					GSF	
310	35-34-7-BA	PALT	PALT	195	570	11.07.96	09:00	-12.13					GSF	
1195	35-34-7-BB	MO195A	EKW195a	195a	565	10.02.69			-69.00		283	25	BVFA-69	
1195	35-34-7-BB	MO195A	EKW195a	195a	565	10.03.69			-72.30		249	22	BVFA-69	
1195	35-34-7-BB	MO195A	EKW195a	195a	565	09.04.69			-74.30		234	22	BVFA-69	
1195	35-34-7-BB	MO195A	EKW195a	195a	565	09.05.69			-81.60		224	21	BVFA-69	
1195	35-34-7-BB	MO195A	EKW195a	195a	565	09.06.69			-77.00		222	21	BVFA-69	
1195	35-34-7-BB	MO195A	EKW195a	195a	565	18.07.69								gelagert
1195	35-34-7-BB	MO195A	EKW195a	195a	565	12.08.69					228	21	BVFA-69	
1195	35-34-7-BB	MO195A	EKW195a	195a	565	11.09.69								gelagert
1195	35-34-7-BB	MO195A	EKW195a	195a	565	06.02.70								gelagert
1195	35-34-7-BB	MO195A	EKW195a	195a	565	10.03.70								gelagert
1195	35-34-7-BB	MO195A	EKW195a	195a	565	09.04.70					242	16	BVFA-70	
1195	35-34-7-BB	MO195A	EKW195a	195a	565	11.05.70								gelagert
1195	35-34-7-BB	MO195A	EKW195a	195a	565	04.06.70								gelagert
1195	35-34-7-BB	MO195A	EKW195a	195a	565	03.07.70								gelagert
1195	35-34-7-BB	MO195A	EKW195a	195a	565	12.08.70								gelagert
1195	35-34-7-BB	MO195A	EKW195a	195a	565	07.09.70								gelagert
1195	35-34-7-BB	MO195A	EKW195a	195a	565	05.10.70								gelagert
1195	35-34-7-BB	MO195A	EKW195a	195a	565	10.11.70								gelagert
1195	35-34-7-BB	MO195A	EKW195a	195a	565	11.12.70								gelagert

GIS-ID	Name	Feld-ID	ISO-Eval	EKW-Nr.	Austritts- Seehöhe	Datum	Uhrz.	18-O	2-H	Excess	3-H	Sigma	Labor	Anmerkung
308	35-34-7-DA	RAMS	EKW137	137	550	04.06.70								gelagert
308	35-34-7-DA	RAMS	EKW137	137	550	03.07.70								gelagert
308	35-34-7-DA	RAMS	EKW137	137	550	12.08.70								gelagert
308	35-34-7-DA	RAMS	EKW137	137	550	07.09.70								gelagert
308	35-34-7-DA	RAMS	EKW137	137	550	05.10.70								gelagert
308	35-34-7-DA	RAMS	EKW137	137	550	10.11.70								gelagert
308	35-34-7-DA	RAMS	EKW137	137	550	11.12.70								gelagert
308	35-34-7-DA	RAMS	EKW137	137	550	03.08.91		-10.38			24.9	2.7	GSF	
308	35-34-7-DA	RAMS	EKW137	137	550	06.04.93		-11.63					GSF	
308	35-34-7-DA	RAMS	EKW137	137	550	05.08.93		-10.96					GSF	
308	35-34-7-DA	RAMS	EKW137	137	550	22.10.93		-10.87					GSF	
308	35-34-7-DA	RAMS	EKW137	137	550	07.04.94		-11.12			21.7	2.7	GSF	
308	35-34-7-DA	RAMS	EKW137	137	550	15.05.94		-11.40			20.8	2.2	GSF	
308	35-34-7-DA	RAMS	EKW137	137	550	11.08.94		-11.19			22.2	2.7	GSF	
308	35-34-7-DA	RAMS	EKW137	137	550	17.10.94		-10.98			21.2	2.2	GSF	
308	35-34-7-DA	RAMS	EKW137	137	550	04.03.95		-11.45			18.7	1.6	GSF	
308	35-34-7-DA	RAMS	EKW137	137	550	11.05.95		-11.82			16.7	2.5	GSF	
308	35-34-7-DA	RAMS	EKW137	137	550	07.06.95		-11.85			17	1.6	GSF	
308	35-34-7-DA	RAMS	EKW137	137	550	15.08.95		-10.97					GSF	
308	35-34-7-DA	RAMS	EKW137	137	550	10.10.95		-11.03					GSF	
308	35-34-7-DA	RAMS	EKW137	137	550	08.11.95		-10.94					GSF	
308	35-34-7-DA	RAMS	EKW137	137	550	07.12.95		-11.35					GSF	
308	35-34-7-DA	RAMS	EKW137	137	550	04.01.96		-11.26					GSF	
308	35-34-7-DA	RAMS	EKW137	137	550	25.01.96		-11.35					GSF	
308	35-34-7-DA	RAMS	EKW137	137	550	02.02.96		-11.30			18.3	1.7	GSF	
308	35-34-7-DA	RAMS	EKW137	137	550	07.03.96		-11.51					GSF	
308	35-34-7-DA	RAMS	EKW137	137	550	01.04.96		-11.48			17.4	1.8	GSF	
308	35-34-7-DA	RAMS	EKW137	137	550	04.05.96		-12.22					GSF	
308	35-34-7-DA	RAMS	EKW137	137	550	19.06.96		-11.53			19.4	1.8	GSF	
308	35-34-7-DA	RAMS	EKW137	137	550	11.07.96	09:30	-11.15					GSF	
A075	35-34-7-DC	MO137/38	EKW138	138	542	10.01.69			-62.30		251	23	BVFA-69	
A075	35-34-7-DC	MO137/38	EKW138	138	542	10.02.69			-62.00		273	25	BVFA-69	
A075	35-34-7-DC	MO137/38	EKW138	138	542	10.03.69			-73.10		243	23	BVFA-69	
A075	35-34-7-DC	MO137/38	EKW138	138	542	09.04.69			-78.10		253	23	BVFA-69	
A075	35-34-7-DC	MO137/38	EKW138	138	542	09.05.69			-73.50		239	22	BVFA-69	
A075	35-34-7-DC	MO137/38	EKW138	138	542	09.06.69			-74.10		286	26	BVFA-69	
A075	35-34-7-DC	MO137/38	EKW138	138	542	18.07.69								gelagert
A075	35-34-7-DC	MO137/38	EKW138	138	542	12.08.69			-82.80		261	23	BVFA-69	
A075	35-34-7-DC	MO137/38	EKW138	138	542	11.09.69								gelagert
A075	35-34-7-DC	MO137/38	EKW138	138	542	09.10.69								gelagert
A075	35-34-7-DC	MO137/38	EKW138	138	542	10.11.69								gelagert
A075	35-34-7-DC	MO137/38	EKW138	138	542	10.12.69								gelagert

GIS-ID	Name	Feld-ID	ISO-Eval	EKW-Nr.	Austritts- Seehöhe	Datum	Uhrz.	18-O	2-H	Excess	3-H	Sigma	Labor	Anmerkung
A075	35-34-7-DC	MO137/38	EKW138	138	542	09.01.70								gelagert
A075	35-34-7-DC	MO137/38	EKW138	138	542	06.02.70								gelagert
A075	35-34-7-DC	MO137/38	EKW138	138	542	10.03.70								gelagert
A075	35-34-7-DC	MO137/38	EKW138	138	542	09.04.70					285	18	BVFA-70	
A075	35-34-7-DC	MO137/38	EKW138	138	542	11.05.70								gelagert
991	35-34-7-EF	EKW143	EKW143	143		09.05.69			-71.60		248	22	BVFA-69	
991	35-34-7-EF	EKW143	EKW143	143		09.06.69			-73.50		264	24	BVFA-69	
991	35-34-7-EF	EKW143	EKW143	143		18.07.69			-72.50				BVFA-69	
991	35-34-7-EF	EKW143	EKW143	143		12.08.69					256	23	BVFA-69	
991	35-34-7-EF	EKW143	EKW143	143		11.09.69								gelagert
991	35-34-7-EF	EKW143	EKW143	143		09.10.69								gelagert
991	35-34-7-EF	EKW143	EKW143	143		10.11.69								gelagert
991	35-34-7-EF	EKW143	EKW143	143		10.12.69								gelagert
991	35-34-7-EF	EKW143	EKW143	143		06.02.70								gelagert
991	35-34-7-EF	EKW143	EKW143	143		11.05.70								gelagert
991	35-34-7-EF	EKW143	EKW143	143		04.06.70								gelagert
991	35-34-7-EF	EKW143	EKW143	143		12.08.70								gelagert
991	35-34-7-EF	EKW143	EKW143	143		07.09.70								gelagert
991	35-34-7-EF	EKW143	EKW143	143		05.10.70								gelagert
991	35-34-7-EF	EKW143	EKW143	143		10.11.70								gelagert
991	35-34-7-EF	EKW143	EKW143	143		11.12.70								gelagert
516	35-37-A	EKW460	EKW460	460	380	10.02.69			-73.50		269	24	BVFA-69	
516	35-37-A	EKW460	EKW460	460	380	10.03.69			-78.40		236	22	BVFA-69	
516	35-37-A	EKW460	EKW460	460	380	10.04.69			-78.60		232	22	BVFA-69	
516	35-37-A	EKW460	EKW460	460	380	12.05.69			-88.70		279	25	BVFA-69	
516	35-37-A	EKW460	EKW460	460	380	10.06.69			-80.30		256	23	BVFA-69	
516	35-37-A	EKW460	EKW460	460	380	18.07.69								gelagert
516	35-37-A	EKW460	EKW460	460	380	12.08.69			-77.90		278	25	BVFA-69	
516	35-37-A	EKW460	EKW460	460	380	11.09.69								gelagert
516	35-37-A	EKW460	EKW460	460	380	10.10.69			-80.00		276	18	BVFA-69	
516	35-37-A	EKW460	EKW460	460	380	11.11.69								gelagert
516	35-37-A	EKW460	EKW460	460	380	12.12.69			-79.80		297	18	BVFA-69	
516	35-37-A	EKW460	EKW460	460	380	13.01.70			-87.20		221	15	BVFA-70	
516	35-37-A	EKW460	EKW460	460	380	10.02.70			-83.70		246	16	BVFA-70	
516	35-37-A	EKW460	EKW460	460	380	10.03.70								gelagert
516	35-37-A	EKW460	EKW460	460	380	13.04.70			-85.30		261	17	BVFA-70	
516	35-37-A	EKW460	EKW460	460	380	11.05.70								gelagert
516	35-37-A	EKW460	EKW460	460	380	05.06.70								gelagert
516	35-37-A	EKW460	EKW460	460	380	03.07.70								keine Entnahme ?
516	35-37-A	EKW460	EKW460	460	380	12.08.70								gelagert
516	35-37-A	EKW460	EKW460	460	380	07.09.70								gelagert
516	35-37-A	EKW460	EKW460	460	380	02.10.70								gelagert

GIS-ID	Name	Feld-ID	ISO-Eval	EKW-Nr.	Austritts- Seehöhe	Datum	Uhrz.	18-O	2-H	Excess	3-H	Sigma	Labor	Anmerkung
516	35-37-A	EKW460	EKW460	460	380	09.11.70								gelagert
516	35-37-A	EKW460	EKW460	460	380	11.12.70								gelagert
517	35-37-B	EKW459	EKW459	459	375	10.02.69			-71.80		352	30	BVFA-69	
517	35-37-B	EKW459	EKW459	459	375	10.03.69			-75.40		346	31	BVFA-69	
517	35-37-B	EKW459	EKW459	459	375	10.04.69			-74.00		387	33	BVFA-69	
517	35-37-B	EKW459	EKW459	459	375	12.05.69			-72.00		403	34	BVFA-69	
517	35-37-B	EKW459	EKW459	459	375	10.06.69			-71.30		364	32	BVFA-69	
517	35-37-B	EKW459	EKW459	459	375	18.07.69								gelagert
517	35-37-B	EKW459	EKW459	459	375	12.08.69			-72.20		388	33	BVFA-69	
517	35-37-B	EKW459	EKW459	459	375	11.09.69								gelagert
517	35-37-B	EKW459	EKW459	459	375	10.10.69			-76.00		379	22	BVFA-69	
517	35-37-B	EKW459	EKW459	459	375	11.11.69								gelagert
517	35-37-B	EKW459	EKW459	459	375	12.12.69			-76.10		380	22	BVFA-69	
517	35-37-B	EKW459	EKW459	459	375	13.01.70								gelagert
517	35-37-B	EKW459	EKW459	459	375	10.02.70			-75.30		371	22	BVFA-70	
517	35-37-B	EKW459	EKW459	459	375	10.03.70								gelagert
517	35-37-B	EKW459	EKW459	459	375	13.04.70			-74.30		366	22	BVFA-70	
517	35-37-B	EKW459	EKW459	459	375	11.05.70								gelagert
517	35-37-B	EKW459	EKW459	459	375	05.06.70								gelagert
517	35-37-B	EKW459	EKW459	459	375	03.07.70								gelagert
517	35-37-B	EKW459	EKW459	459	375	12.08.70								gelagert
517	35-37-B	EKW459	EKW459	459	375	07.09.70								gelagert
517	35-37-B	EKW459	EKW459	459	375	02.10.70								gelagert
517	35-37-B	EKW459	EKW459	459	375	09.11.70								gelagert
517	35-37-B	EKW459	EKW459	459	375	11.12.70								gelagert
517	35-37-B	EKW459	EKW459	459	375	20.04.93		-10.65	-75.30	9.90	26.3	1.1	GSF	
517	35-37-B	EKW459	EKW459	459	375	17.05.93		-10.66	-75.50	9.80	27.1	1.4	GSF	
517	35-37-B	EKW459	EKW459	459	375	17.06.93		-10.76	-76.40	9.70	27.5	1.4	GSF	
517	35-37-B	EKW459	EKW459	459	375	13.07.93		-10.69	-76.60	9.00	28.2	0.9	GSF	
517	35-37-B	EKW459	EKW459	459	375	16.08.93		-10.64	-75.60	9.50	26.4	0.8	GSF	
517	35-37-B	EKW459	EKW459	459	375	13.09.93		-10.71	-76.20	9.50	26.8	1.1	GSF	
985	35-38-B	MOB	EKW185	185	460	04.06.70								gelagert
985	35-38-B	MOB	EKW185	185	460	03.07.70								gelagert
985	35-38-B	MOB	EKW185	185	460	12.08.70								gelagert
985	35-38-B	MOB	EKW185	185	460	07.09.70								gelagert
985	35-38-B	MOB	EKW185	185	460	02.10.70								gelagert
985	35-38-B	MOB	EKW185	185	460	10.11.70								gelagert
985	35-38-B	MOB	EKW185	185	460	11.12.70								gelagert
518	35-38-X	EKW457	EKW457	457	375	10.06.69			-70.40		351	32	BVFA-69	
518	35-38-X	EKW457	EKW457	457	375	18.07.69								gelagert
518	35-38-X	EKW457	EKW457	457	375	12.08.69			-71.20		414	35	BVFA-69	
518	35-38-X	EKW457	EKW457	457	375	11.09.69								gelagert

GIS-ID	Name	Feld-ID	ISO-Eval	EKW-Nr.	Austritts- Seehöhe	Datum	Uhrz.	18-O	2-H	Excess	3-H	Sigma	Labor	Anmerkung
518	35-38-X	EKW457	EKW457	457	375	10.10.69			-74.20		424	24	BVFA-69	
518	35-38-X	EKW457	EKW457	457	375	11.11.69			-75.50		346	21	BVFA-69	
518	35-38-X	EKW457	EKW457	457	375	13.01.70			-77.20		308	19	BVFA-70	
518	35-38-X	EKW457	EKW457	457	375	10.02.70			-74.90		357	21	BVFA-70	
518	35-38-X	EKW457	EKW457	457	375	10.03.70								gelagert
518	35-38-X	EKW457	EKW457	457	375	13.04.70			-69.60		372	22	BVFA-70	
518	35-38-X	EKW457	EKW457	457	375	11.05.70								gelagert
518	35-38-X	EKW457	EKW457	457	375	05.06.70								gelagert
518	35-38-X	EKW457	EKW457	457	375	03.07.70								gelagert
518	35-38-X	EKW457	EKW457	457	375	12.08.70								gelagert
518	35-38-X	EKW457	EKW457	457	375	07.09.70								gelagert
518	35-38-X	EKW457	EKW457	457	375	02.10.70								gelagert
518	35-38-X	EKW457	EKW457	457	375	09.11.70								gelagert
518	35-38-X	EKW457	EKW457	457	375	11.12.70								gelagert
519	35-39-A	EKW455	EKW455	455	375	03.08.93		-10.72	-75.30	10.50	22.4	0.8	GSF	
519	35-39-Ao	EKW455	EKW455	455	375	13.09.93		-10.59	-75.40	9.30	25.9	1.1	GSF	
519	35-39-Au	EKW455	EKW455	455	375	13.09.93		-10.70	-76.50	9.10	24.6	1	GSF	
520	35-43-AB	RIM	EKWS6		365	27.06.95		-11.34			18.9	1.7	GSF	
520	35-43-AB	RIM	EKWS6		365	19.08.95		-11.01					GSF	
520	35-43-AB	RIM	EKWS6		365	25.01.96		-10.78					GSF	
520	35-43-AB	RIM	EKWS6		365	03.05.96		-11.66					GSF	
520	35-43-AB	RIM	EKWS6		365	13.07.96	12:30	-11.11					GSF	
	35-Agonitz		AGO		380	13.09.93		-10.47	-74.10	9.70	19	0.8	GSF	
1111	36-06-13-AA	HAGA	HAGA		960	18.08.95		-11.55					GSF	
1191	36-06-2-I	HANS	HANS		815	17.08.95		-11.52					GSF	
841	36-06-4-ABA	DAMU	DAMU		962	26.06.95		-12.46			16	1.5	GSF	
841	36-06-4-ABA	DAMU	DAMU		962	17.08.95		-11.84					GSF	
841	36-06-4-ABA	DAMU	DAMU		962	25.01.96		-11.83					GSF	
841	36-06-4-ABA	DAMU	DAMU		962	03.05.96		-12.54					GSF	
841	36-06-4-ABA	DAMU	DAMU		962	10.07.96		-12.19					GSF	
1161	36-06-6-CD	ROSE	ROSE		725	26.06.95		-11.93			18.4	1.7	GSF	
1161	36-06-6-CD	ROSE	ROSE		725	17.08.95		-11.51					GSF	
1161	36-06-6-CD	ROSE	ROSE		725	25.01.96		-11.77					GSF	
1161	36-06-6-CD	ROSE	ROSE		725	03.05.96		-12.14					GSF	
1161	36-06-6-CD	ROSE	ROSE		725	10.07.96	15:40	-10.63					GSF	
839	36-08-1-A	PIESL	PIES		730	26.06.95		-12.85			16.3	1.5	GSF	
839	36-08-1-A	PIESL	PIES		730	18.08.95		-11.81					GSF	
839	36-08-1-A	PIES	PIES		730	25.01.96		-11.79					GSF	
839	36-08-1-A	PIES	PIES		730	03.05.96		-14.45					GSF	
839	36-08-1-A	PIES	PIES		730	10.07.96	16:30	-11.87					GSF	
928	36-1-12-K	MKG	MKG		770	23.04.96	13:45	-13.52					GSF	
919	36-12-1-C	FIBA	FIBA		785	18.08.95		-11.07					GSF	

GIS-ID	Name	Feld-ID	ISO-Eval	EKW-Nr.	Austritts- Seehöhe	Datum	Uhrz.	18-O	2-H	Excess	3-H	Sigma	Labor	Anmerkung
923	36-12-1-HA	FIQ	FIQ		700	18.08.95		-11.37					GSF	
923	36-12-1-HA	FIQ	FIQ		700	25.01.96		-12.05					GSF	
923	36-12-1-HA	FIQ	FIQ		700	03.05.96		-12.67					GSF	
A098	36-12-2-AC	BUDER	HRQ2		650	23.04.96	13:00	-13.60					GSF	
933	36-12-2-BC	HRQ	HRQ		621	18.06.91		-12.47	-86.60	13.16	18.7	1	BVFA-91	Mo-RT1
933	36-12-2-BC	HRQ	HRQ		621	03.08.91		-10.57			25	2.7	GSF	
933	36-12-2-BC	HRQ	HRQ		621	28.04.93		-12.65					GSF	
933	36-12-2-BC	HRQ	HRQ		621	03.08.93		-9.87					GSF	
933	36-12-2-BC	HRQ	HRQ		621	21.10.93		-10.79					GSF	
933	36-12-2-BC	HRQ	HRQ		621	08.04.94		-12.08			16.5	2.5	GSF	
933	36-12-2-BC	HRQ	HRQ		621	16.05.94		-12.89			16.4	2.3	GSF	
933	36-12-2-BC	HRQ	HRQ		621	11.08.94							GSF	
933	36-12-2-BC	HRQ	HRQ		621	18.10.94		-10.52			17.4	1.9	GSF	
933	36-12-2-BC	HRQ	HRQ		621	02.03.95		-13.19			13	1.5	GSF	
933	36-12-2-BC	HRQ	HRQ		621	10.05.95		-13.39			16.9	2.3	GSF	
933	36-12-2-BC	HRQ	HRQ		621	07.06.95		-13.20			14.9	1.6	GSF	
933	36-12-2-BC	HRQ	HRQ		621	26.06.95		-11.90			17	1.5	GSF	
933	36-12-2-BC	HRQ	HRQ		621	15.08.95		-11.05					GSF	
933	36-12-2-BC	HRQ	HRQ		621	10.10.95		-11.92					GSF	
933	36-12-2-BC	HRQ	HRQ		621	08.11.95		-11.92					GSF	
933	36-12-2-BC	HRQ	HRQ		621	07.12.95		-12.44					GSF	
933	36-12-2-BC	HRQ	HRQ		621	25.01.96		-12.43					GSF	
933	36-12-2-BC	HRQ	HRQ		621	01.04.96		-13.68			13.9	1.5	GSF	
933	36-12-2-BC	HRQ	HRQ		621	21.04.96	18:15	-14.39					GSF	
933	36-12-2-BC	HRQ	HRQ		621	21.04.96	21:45	-14.34					GSF	
933	36-12-2-BC	HRQ	HRQ		621	21.04.96	00:00	-14.35					GSF	
933	36-12-2-BC	HRQ	HRQ		621	22.04.96	03:00	-14.20					GSF	
933	36-12-2-BC	HRQ	HRQ		621	22.04.96	06:00	-14.18					GSF	
933	36-12-2-BC	HRQ	HRQ		621	22.04.96	09:00	-14.18					GSF	
933	36-12-2-BC	HRQ	HRQ		621	22.04.96	12:00	-14.35					GSF	
933	36-12-2-BC	HRQ	HRQ		621	22.04.96	15:00	-14.35					GSF	
933	36-12-2-BC	HRQ	HRQ		621	22.04.96	18:00	-14.37					GSF	
933	36-12-2-BC	HRQ	HRQ		621	22.04.96	21:00	-14.33					GSF	
933	36-12-2-BC	HRQ	HRQ		621	22.04.96	00:00	-14.42					GSF	
933	36-12-2-BC	HRQ	HRQ		621	23.04.96	03:00	-14.50					GSF	
933	36-12-2-BC	HRQ	HRQ		621	23.04.96	06:00	-14.48					GSF	
933	36-12-2-BC	HRQ	HRQ		621	23.04.96	09:00	-14.79					GSF	
933	36-12-2-BC	HRQ	HRQ		621	23.04.96	12:00	-14.31					GSF	
933	36-12-2-BC	HRQ	HRQ		621	23.04.96	15:00	-14.39					GSF	
933	36-12-2-BC	HRQ	HRQ		621	23.04.96	18:00	-14.25					GSF	
933	36-12-2-BC	HRQ	HRQ		621	23.04.96	21:00	-14.25					GSF	
933	36-12-2-BC	HRQ	HRQ		621	23.04.96	00:00	-14.18					GSF	

GIS-ID	Name	Feld-ID	ISO-Eval	EKW-Nr.	Austritts- Seehöhe	Datum	Uhrz.	18-O	2-H	Excess	3-H	Sigma	Labor	Anmerkung
933	36-12-2-BC	HRQ	HRQ		621	24.04.96	03:00	-14.11					GSF	
933	36-12-2-BC	HRQ	HRQ		621	24.04.96	06:00	-14.14					GSF	
933	36-12-2-BC	HRQ	HRQ		621	24.04.96	09:00	-14.21					GSF	
933	36-12-2-BC	HRQ	HRQ		621	24.04.96	12:00	-14.12					GSF	
933	36-12-2-BC	HRQ	HRQ		621	24.04.96	15:00	-14.08					GSF	
933	36-12-2-BC	HRQ	HRQ		621	24.04.96	18:00	-14.04					GSF	
933	36-12-2-BC	HRQ	HRQ		621	03.05.96		-13.94					GSF	
933	36-12-2-BC	HRQ	HRQ		621	18.06.96		-12.30			15.7	2.3	GSF	
933	36-12-2-BC	HRQ	HRQ		621	10.07.96		-11.08					GSF	
1216	37-03-JB	KRA-N	KRA		680	27.06.95		-11.08			17.5	1.6	GSF	
1216	37-03-JB	KRA-N	KRA		680	19.08.95		-11.08					GSF	
1216	37-03-JB	KRA-N	KRA		680	25.01.96		-12.37					GSF	
1216	37-03-JB	KRA-N	KRA		680	04.05.96		-13.36					GSF	
1216	37-03-JB	KRA-N	KRA		680	11.07.96		-10.99					GSF	
223	37-04-E	BLOEQ	BLOEQ		860	27.06.95		-11.66			16.1	1.5	GSF	
223	37-04-E	BLOEQ	BLOEQ		860	04.05.96		-13.54					GSF	
223	37-04-E	BLOEQ	BLOEQ		860	11.07.96	15:00	-11.80					GSF	
228	37-04-KB	HOCH	HOCH		675	19.08.95		-11.69					GSF	
228	37-04-KB	HOCH	HOCH		675	25.01.96		-11.79					GSF	
228	37-04-KB	HOCH	HOCH		675	04.05.96		-12.85					GSF	
228	37-04-KB	HOCH	HOCH		675	11.07.96		-11.67					GSF	
416	37-09-A	MAUL	MAUL	14-15	595	10.02.69			-65.80		239	22	BVFA-69	
416	37-09-A	MAUL	MAUL	14-15	595	10.03.69			-74.00		236	22	BVFA-69	
416	37-09-A	MAUL	MAUL	14-15	595	10.04.69			-80.50		219	21	BVFA-69	
416	37-09-A	MAUL	MAUL	14-15	595	09.05.69			-79.50		210	20	BVFA-69	
416	37-09-A	MAUL	MAUL	14-15	595	09.06.69			-75.50		256	23	BVFA-69	
416	37-09-A	MAUL	MAUL	14-15	595	17.07.69			-80.00		264	14	BVFA-69	
416	37-09-A	MAUL	MAUL	14-15	595	11.08.69			-66.80		287	26	BVFA-69	
416	37-09-A	MAUL	MAUL	14-15	595	10.09.69					258	14	BVFA-69	
416	37-09-A	MAUL	MAUL	14-15	595	09.10.69			-75.20		265	17	BVFA-69	
416	37-09-A	MAUL	MAUL	14-15	595	10.11.69					241	13	BVFA-69	
416	37-09-A	MAUL	MAUL	14-15	595	10.12.69			-77.00		257	16	BVFA-69	
416	37-09-A	MAUL	MAUL	14-15	595	13.01.70					195	10	BVFA-70	
416	37-09-A	MAUL	MAUL	14-15	595	09.02.70			-88.70		207	14	BVFA-70	
416	37-09-A	MAUL	MAUL	14-15	595	09.03.70					211	11	BVFA-70	
416	37-09-A	MAUL	MAUL	14-15	595	09.04.70			-91.90		206	15	BVFA-70	
416	37-09-A	MAUL	MAUL	14-15	595	12.05.70								gelagert
416	37-09-A	MAUL	MAUL	14-15u	595	05.06.70								gelagert
416	37-09-A	MAUL	MAUL	14-15u	595	02.07.70								gelagert
416	37-09-A	MAUL	MAUL	14-15u	595	11.08.70								gelagert
416	37-09-A	MAUL	MAUL	14-15	595	10.12.70								gelagert
416	37-09-A	MAUL	MAUL	14-15	595	18.06.91		-11.73	-77.00	16.84	17.9	1	BVFA-91	

GIS-ID	Name	Feld-ID	ISO-Eval	EKW-Nr.	Austritts- Seehöhe	Datum	Uhrz.	18-O	2-H	Excess	3-H	Sigma	Labor	Anmerkung
416	37-09-AB	MAUL	MAUL		595	29.04.93		-11.99					GSF	
416	37-09-AB	MAUL	MAUL		595	04.08.93		-10.06					GSF	
416	37-09-AB	MAUL	MAUL		595	20.10.93		-10.76					GSF	
416	37-09-AB	MAUL	MAUL		595	05.04.94		-10.95			16.1	2.3	GSF	
416	37-09-AB	MAUL	MAUL		595	15.05.94		-11.71			17.2	2.1	GSF	
416	37-09-AB	MAUL	MAUL		595	11.08.94		-11.26			17.2	2.3	GSF	
416	37-09-AB	MAUL	MAUL		595	17.10.94		-10.27			16.6	2.2	GSF	
416	37-09-AB	MAUL	MAUL		595	02.03.95		-12.66			12.6	2.4	GSF	
416	37-09-AB	MAUL	MAUL		595	10.05.95		-12.57			14.8	2.2	GSF	
416	37-09-AB	MAUL	MAUL		595	06.06.95		-12.16			16	1.7	GSF	
416	37-09-AB	MAUL	MAUL		595	27.06.95		-10.87			17.9	1.6	GSF	
416	37-09-AB	MAUL	MAUL		595	15.08.95		-9.97					GSF	
416	37-09-AB	MAUL	MAUL		595	10.10.95		-11.20					GSF	
416	37-09-AB	MAUL	MAUL		595	08.11.95		-11.03					GSF	
416	37-09-AB	MAUL	MAUL		595	05.12.95		-11.72					GSF	
416	37-09-AB	MAUL	MAUL		595	11.01.96		-12.33					GSF	
416	37-09-AB	MAUL	MAUL		595	25.01.96		-11.79					GSF	
416	37-09-AB	MAUL	MAUL		595	07.02.96		-11.86			14.7	1.6	GSF	
416	37-09-AB	MAUL	MAUL		595	07.03.96		-11.78					GSF	
416	37-09-AB	MAUL	MAUL		595	01.04.96		-12.57			14.5	1.5	GSF	
416	37-09-AB	MAUL	MAUL		595	04.05.96		-12.97					GSF	
416	37-09-AB	MAUL	MAUL		595	19.06.96		-11.85			16.3	1.6	GSF	
416	37-09-AB	MAUL	MAUL		595	11.07.96	13:30	-10.75					GSF	
408	37-09-HB	REUT	REUT		565	04.05.96		-12.79					GSF	
408	37-09-HB	REUT	REUT		565	11.07.96	12:40	-10.99					GSF	
A136	37-10-CB	JAID-N	JAID-N			22.04.96	13:00	-13.70					GSF	
700	37-10-D	FARN	FARN		1125	22.04.96	13:45	-13.91					GSF	
398	37-10-H	SCHW	SCHW		880	22.04.96	14:30	-13.10					GSF	
397	37-10-J	KG16	EKW19	19	610	10.01.69			-71.70		317	29	BVFA-69	
397	37-10-J	KG16	EKW19	19	610	09.04.69			-81.90		211	20	BVFA-69	
397	37-10-J	KG16	EKW19	19	610	09.05.69			-80.40		234	22	BVFA-69	
397	37-10-J	KG16	EKW19	19	610	09.06.69			-72.90		237	22	BVFA-69	
397	37-10-J	KG16	EKW19	19	610	17.07.69					266	14	BVFA-69	
397	37-10-J	KG16	EKW19	19	610	11.08.69			-72.60		291	26	BVFA-69	
397	37-10-J	KG16	EKW19	19	610	10.09.69					267	14	BVFA-69	
397	37-10-J	KG16	EKW19	19	610	09.10.69			-74.40		300	18	BVFA-69	
397	37-10-J	KG16	EKW19	19	610	10.11.69					241	13	BVFA-69	
397	37-10-J	KG16	EKW19	19	610	10.12.69			-75.80		290	18	BVFA-69	
397	37-10-J	KG16	EKW19	19	610	12.01.70					195	10	BVFA-70	
397	37-10-J	KG16	EKW19	19	610	09.02.70			-79.80		255	16	BVFA-70	
397	37-10-J	KG16	EKW19	19	610	09.03.70					208	11	BVFA-70	
397	37-10-J	KG16	EKW19	19	610	10.04.70			-88.50		215	15	BVFA-70	

GIS-ID	Name	Feld-ID	ISO-Eval	EKW-Nr.	Austritts- Seehöhe	Datum	Uhrz.	18-O	2-H	Excess	3-H	Sigma	Labor	Anmerkung
397	37-10-J	KG16	EKW19	19	610	12.05.70								gelagert
397	37-10-J	KG16	EKW19	19	610	05.06.70								gelagert
397	37-10-J	KG16	EKW19	19	610	02.07.70								gelagert
397	37-10-J	KG16	EKW19	19	610	11.08.70								gelagert
397	37-10-J	KG16	EKW19	19	610	08.09.70								gelagert
397	37-10-J	KG16	EKW19	19	610	05.10.70								gelagert
397	37-10-J	KG16	EKW19	19	610	09.11.70								gelagert
397	37-10-J	KG16	EKW19	19	610	10.12.70								gelagert
397	37-10-J	LEO	EKW19	19	610	22.04.96	16:00	-13.08					GSF	
405	37-12-AA	STEY-A	STEY-A		560	17.02.93		-11.15	-79.30	9.90	17.9	0.6	GSF	
405	37-12-AA	STEY-A	STEY-A		560	26.03.93		-12.23	-87.80	10.00	15.2	0.6	GSF	
405	37-12-AA	STEY-A	STEY-A		560	20.04.93		-12.20	-86.40	11.20	15.9	0.7	GSF	
405	37-12-AA	STEY-A	STEY-A		560	10.05.93		-11.92	-83.90	11.50	17	0.9	GSF	
405	37-12-AA	STEY-A	STEY-A		560	17.06.93		-10.60	-73.30	11.60	19.4	1	GSF	
405	37-12-AA	STEY-A	STEY-A		560	13.07.93		-10.56	-73.80	10.70	19.7	0.7	GSF	
405	37-12-AA	STEY-A	STEY-A		560	16.08.93		-10.34	-71.70	11.00	18.5	0.7	GSF	
405	37-12-AA	STEY-A	STEY-A		560	13.09.93		-10.31	-72.60	9.90	18.3	0.8	GSF	
406	37-12-AB	STEY-B	STEY-A	11	545	10.01.69			-75.00		278	25	BVFA-69	
406	37-12-AB	STEY-B	STEY-A	11	545	10.02.69			-69.90		278	25	BVFA-69	
406	37-12-AB	STEY-B	STEY-A	11	545	10.03.69			-74.20		250	24	BVFA-69	
406	37-12-AB	STEY-B	STEY-A	11	545	09.04.69			-80.50		219	21	BVFA-69	
406	37-12-AB	STEY-B	STEY-A	11	545	09.05.69			-85.50		196	19	BVFA-69	
406	37-12-AB	STEY-B	STEY-A	11	545	09.06.69			-78.00		265	24	BVFA-69	
406	37-12-AB	STEY-B	STEY-A	11	545	17.07.69					282	15	BVFA-69	
406	37-12-AB	STEY-B	STEY-A	11	545	11.08.69			-69.30		290	26	BVFA-69	
406	37-12-AB	STEY-B	STEY-A	11	545	10.09.69			-80.90		278	15	BVFA-69	
406	37-12-AB	STEY-B	STEY-A	11	545	09.10.69			-76.40		281	18	BVFA-69	
406	37-12-AB	STEY-B	STEY-A	11	545	10.11.69					235	12	BVFA-69	
406	37-12-AB	STEY-B	STEY-A	11	545	10.12.69			-79.40		257	17	BVFA-69	
406	37-12-AB	STEY-B	STEY-A	11	545	09.01.70					225	12	BVFA-70	
406	37-12-AB	STEY-B	STEY-A	11	545	06.02.70			-88.80		229	15	BVFA-70	
406	37-12-AB	STEY-B	STEY-A	11	545	09.03.70					231	12	BVFA-70	
406	37-12-AB	STEY-B	STEY-A	11	545	09.04.70			-88.50		253	17	BVFA-70	
406	37-12-AB	STEY-B	STEY-A	11	545	12.05.70								gelagert
406	37-12-AB	STEY-B	STEY-A	11	545	05.06.70								gelagert
406	37-12-AB	STEY-B	STEY-A	11	545	02.07.70								gelagert
406	37-12-AB	STEY-B	STEY-A	11	545	11.08.70								gelagert
406	37-12-AB	STEY-B	STEY-A	11	545	08.09.70								gelagert
406	37-12-AB	STEY-B	STEY-A	11	545	05.10.70								gelagert
406	37-12-AB	STEY-B	STEY-A	11	545	09.11.70								gelagert
406	37-12-AB	STEY-B	STEY-A	11	545	10.12.70								gelagert
406	37-12-AB	STEY-B	STEY-A	11	545	18.06.91		-11.76	-78.90	15.18	19.4	1	BVFA-91	

GIS-ID	Name	Feld-ID	ISO-Eval	EKW-Nr.	Austritts- Seehöhe	Datum	Uhrz.	18-O	2-H	Excess	3-H	Sigma	Labor	Anmerkung
406	37-12-AB	STEY-B	STEY-A	11	545	03.08.91		-10.06			24	2.4	GSF	
406	37-12-AB	STEY-B	STEY-A		560	29.04.93		-12.35					GSF	
406	37-12-AB	STEY-B	STEY-A		560	04.08.93		-10.18					GSF	
406	37-12-AB	STEY-B	STEY-A		560	20.10.93		-10.76					GSF	
406	37-12-AB	STEY-B	STEY-A		560	05.04.94		-11.02			18.4	2.1	GSF	
406	37-12-AB	STEY-B	STEY-A		560	15.05.94		-12.01			16.3	1.6	GSF	
406	37-12-AB	STEY-B	STEY-A		560	11.08.94		-10.89			21.3	2.6	GSF	
406	37-12-AB	STEY-B	STEY-A		560	17.10.94		-10.16			16.9	2.5	GSF	
406	37-12-AB	STEY-B	STEY-A		560	02.03.95		-11.99			16	2.3	GSF	
406	37-12-AB	STEY-B	STEY-A		560	10.05.95		-12.53			15.9	2.1	GSF	
406	37-12-AB	STEY-B	STEY-A		560	07.06.95		-12.48			16.5	1.6	GSF	
406	37-12-AB	STEY-B	STEY-A		560	27.06.95		-10.95			19.2	1.7	GSF	
406	37-12-AB	STEY-B	STEY-A		560	15.08.95		-9.94					GSF	
406	37-12-AB	STEY-B	STEY-A		560	10.10.95		-11.26					GSF	
406	37-12-AB	STEY-B	STEY-A		560	08.11.95		-11.32					GSF	
406	37-12-AB	STEY-B	STEY-A		560	05.12.95		-11.47					GSF	
406	37-12-AB	STEY-B	STEY-A		560	11.01.96		-12.04					GSF	
406	37-12-AB	STEY-B	STEY-A		560	25.01.96		-11.67					GSF	
406	37-12-AB	STEY-B	STEY-A		560	07.02.96		-11.62			17.5	1.7	GSF	
406	37-12-AB	STEY-B	STEY-A		560	07.03.96		-11.68					GSF	
406	37-12-AB	STEY-B	STEY-A		560	01.04.96		-12.51			14.5	1.6	GSF	
406	37-12-AB	STEY-B	STEY-A		560	21.04.96	18:00	-13.85					GSF	
406	37-12-AB	STEY-B	STEY-A		560	21.04.96	21:00	-13.87					GSF	
406	37-12-AB	STEY-B	STEY-A		560	21.04.96	00:00	-13.82					GSF	
406	37-12-AB	STEY-B	STEY-A		560	22.04.96	03:00	-13.93					GSF	
406	37-12-AB	STEY-B	STEY-A		560	22.04.96	06:00	-14.11					GSF	
406	37-12-AB	STEY-B	STEY-A		560	22.04.96	09:00	-14.02					GSF	
406	37-12-AB	STEY-B	STEY-A		560	22.04.96	12:00	-14.00					GSF	
406	37-12-AB	STEY-B	STEY-A		560	22.04.96	15:00	-14.07					GSF	
406	37-12-AB	STEY-B	STEY-A		560	22.04.96	18:00	-13.98					GSF	
406	37-12-AB	STEY-B	STEY-A		560	22.04.96	21:00	-13.90					GSF	
406	37-12-AB	STEY-B	STEY-A		560	22.04.96	00:00	-13.97					GSF	
406	37-12-AB	STEY-B	STEY-A		560	23.04.96	03:00	-13.91					GSF	
406	37-12-AB	STEY-B	STEY-A		560	23.04.96	06:00	-13.97					GSF	
406	37-12-AB	STEY-B	STEY-A		560	23.04.96	09:00	-13.81					GSF	
406	37-12-AB	STEY-B	STEY-A		560	23.04.96	12:00	-13.83					GSF	
406	37-12-AB	STEY-B	STEY-A		560	23.04.96	15:00	-13.75					GSF	
406	37-12-AB	STEY-B	STEY-A		560	23.04.96	18:00	-13.85					GSF	
406	37-12-AB	STEY-B	STEY-A		560	23.04.96	21:00	-13.79					GSF	
406	37-12-AB	STEY-B	STEY-A		560	23.04.96	00:00	-14.00					GSF	
406	37-12-AB	STEY-B	STEY-A		560	24.04.96	03:00	-13.98					GSF	
406	37-12-AB	STEY-B	STEY-A		560	24.04.96	06:00	-13.88					GSF	

GIS-ID	Name	Feld-ID	ISO-Eval	EKW-Nr.	Austritts- Seehöhe	Datum	Uhrz.	18-O	2-H	Excess	3-H	Sigma	Labor	Anmerkung
406	37-12-AB	STEY-B	STEY-A		560	24.04.96	09:00	-13.81					GSF	
406	37-12-AB	STEY-B	STEY-A		560	24.04.96	12:00	-13.80					GSF	
406	37-12-AB	STEY-B	STEY-A		560	24.04.96	15:00	-13.75					GSF	
406	37-12-AB	STEY-B	STEY-A		560	24.04.96	18:00	-13.86					GSF	
406	37-12-AB	STEY-B	STEY-A		560	04.05.96		-13.37					GSF	
406	37-12-AB	STEY-B	STEY-A		560	19.06.96		-11.33			17.4	1.6	GSF	
406	37-12-AB	STEY-B	STEY-A		560	11.07.96		-10.91					GSF	
712	37-13-BB	KS19	EKW205	205	550	10.01.69			-78.11		458	39	BVFA-69	
712	37-13-BB	KS19	EKW205	205	550	10.02.69			-76.50		426	36	BVFA-69	
712	37-13-BB	KS19	EKW205	205	550	10.03.69			-76.10		419	36	BVFA-69	
712	37-13-BB	KS19	EKW205	205	550	09.04.69			-78.60		390	33	BVFA-69	
712	37-13-BB	KS19	EKW205	205	550	09.05.69			-79.00		450	38	BVFA-69	
712	37-13-BB	KS19	EKW205	205	550	09.06.69			-68.70		262	24	BVFA-69	
712	37-13-BB	KS19	EKW205	205	550	17.07.69			-75.00		395	23	BVFA-69	
712	37-13-BB	KS19	EKW205	205	550	11.08.69			-72.90		365	31	BVFA-69	
712	37-13-BB	KS19	EKW205	205	550	10.09.69								gelagert
712	37-13-BB	KS19	EKW205	205	550	09.10.69			-78.30		428	24	BVFA-69	
712	37-13-BB	KS19	EKW205	205	550	10.11.69								gelagert
712	37-13-BB	KS19	EKW205	205	550	10.12.69			-77.80		424	24	BVFA-69	
712	37-13-BB	KS19	EKW205	205	550	12.01.70			-76.70		346	21	BVFA-70	
712	37-13-BB	KS19	EKW205	205	550	09.02.70			-80.80		303	18	BVFA-70	
712	37-13-BB	KS19	EKW205	205	550	09.03.70								gelagert
712	37-13-BB	KS19	EKW205	205	550	09.04.70			-86.50		312	19	BVFA-70	
712	37-13-BB	KS19	EKW205	205	550	12.05.70								gelagert
712	37-13-BB	KS19	EKW205	205	550	05.06.70								gelagert
712	37-13-BB	KS19	EKW205	205	550	02.07.70								gelagert
712	37-13-BB	KS19	EKW205	205	550	11.08.70								gelagert
712	37-13-BB	KS19	EKW205	205	550	08.09.70								gelagert
712	37-13-BB	KS19	EKW205	205	550	05.10.70								gelagert
712	37-13-BB	KS19	EKW205	205	550	09.11.70								gelagert
712	37-13-BB	KS19	EKW205	205	550	10.12.70								gelagert
715	37-13-C ?	KS23	EKW38	38	515	10.01.69			-73.00		204	20	BVFA-69	
715	37-13-C ?	KS23	EKW38	38	515	10.02.69			-71.30		231	22	BVFA-69	
715	37-13-C ?	KS23	EKW38	38	515	10.03.69			-69.10		247	23	BVFA-69	
715	37-13-C ?	KS23	EKW38	38	515	09.04.69			-69.50		237	23	BVFA-69	
715	37-13-C ?	KS23	EKW38	38	515	09.05.69			-71.20		236	22	BVFA-69	
715	37-13-C ?	KS23	EKW38	38	515	09.06.69			-71.20		255	23	BVFA-69	
715	37-13-C ?	KS23	EKW38	38	515	17.07.69			-74.50		244	13	BVFA-69	
715	37-13-C ?	KS23	EKW38	38	515	11.08.69			-78.80		218	21	BVFA-69	
715	37-13-C ?	KS23	EKW38	38	515	10.09.69					211	11	BVFA-69	
715	37-13-C ?	KS23	EKW38	38	515	09.10.69			-77.20		233	16	BVFA-69	
715	37-13-C ?	KS23	EKW38	38	515	10.11.69					215	11	BVFA-69	

GIS-ID	Name	Feld-ID	ISO-Eval	EKW-Nr.	Austritts- Seehöhe	Datum	Uhrz.	18-O	2-H	Excess	3-H	Sigma	Labor	Anmerkung
715	37-13-C ?	KS23	EKW38	38	515	10.12.69			-79.70		268	17	BVFA-69	
715	37-13-C ?	KS23	EKW38	38	515	09.01.70					216	14	BVFA-70	
715	37-13-C ?	KS23	EKW38	38	515	09.02.70			-74.50		262	17	BVFA-70	
715	37-13-C ?	KS23	EKW38	38	515	09.03.70					252	13	BVFA-70	
715	37-13-C ?	KS23	EKW38	38	515	10.04.70			-73.30		256	17	BVFA-70	
715	37-13-C ?	KS23	EKW38	38	515	12.05.70								gelagert
715	37-13-C ?	KS23	EKW38	38	515	05.06.70								gelagert
715	37-13-C ?	KS23	EKW38	38	515	02.07.70								gelagert
715	37-13-C ?	KS23	EKW38	38	515	11.08.70								gelagert
715	37-13-C ?	KS23	EKW38	38	515	08.09.70								gelagert
715	37-13-C ?	KS23	EKW38	38	515	05.10.70								gelagert
715	37-13-C ?	KS23	EKW38	38	515	09.11.70								gelagert
715	37-13-C ?	KS23	EKW38	38	515	10.12.70								gelagert
783	37-14-01-AG	HIL	EKW59-61	59-61	660	10.03.69					239	22	BVFA-69	
783	37-14-01-AG	HIL	EKW59-61	59-61	660	10.06.69			-93.80		240	22	BVFA-69	
783	37-14-01-AG	HIL	EKW59-61	59-61	660	12.05.70								gelagert
783	37-14-01-AG	HIL	EKW59-61	59-61	660	04.06.70								gelagert
783	37-14-01-AG	HIL	EKW59-61	59-61	660	11.08.70								gelagert
783	37-14-01-AG	HIL	EKW59-61	59-61	660	08.09.70								gelagert
783	37-14-01-AG	HIL	EKW59-61	59-61	660	06.10.70								gelagert
783	37-14-01-AG	HIL	EKW59-61	59-61	660	09.11.70								gelagert
783	37-14-01-AG	HIL	EKW59-61	59-61	660	05.04.94		-10.72			18.2	2.3	GSF	
783	37-14-01-AG	HIL	EKW59-61	59-61	660	02.03.95		-12.19			14.1	1.4	GSF	
783	37-14-01-AG	HIL	EKW59-61	59-61	660	10.05.95		-11.55			14.3	2.5	GSF	
783	37-14-01-AG	HIL	EKW59-61	59-61	660	15.10.95		-10.53					GSF	
794	37-14-01-K-M	H7-9	EKW145	145-149	600	10.01.69			-69.60		307	28	BVFA-69	
794	37-14-01-K-M	H7-9	EKW145	145-149	600	10.02.69			-68.70		278	25	BVFA-69	
794	37-14-01-K-M	H7-9	EKW145	145-149	600	10.03.69			-74.40		295	27	BVFA-69	
794	37-14-01-K-M	H7-9	EKW145	145-149	600	09.04.69			-75.30		247	22	BVFA-69	
794	37-14-01-K-M	H7-9	EKW145	145-149	600	12.05.69			-75.00		264	24	BVFA-69	
794	37-14-01-K-M	H7-9	EKW145	145-149	600	10.09.69			-76.00		246	13	BVFA-69	
794	37-14-01-K-M	H7-9	EKW145	145-149	600	09.10.69			-79.00		266	17	BVFA-69	
794	37-14-01-K-M	H7-9	EKW145	145-149	600	09.01.70			-77.50		294	18	BVFA-70	
794	37-14-01-K-M	H7-9	EKW145	145-149	600	10.12.70								gelagert
806	37-14-02-G	H46	EKW53	53	560	05.06.70								gelagert
806	37-14-02-G	H46	EKW53	53	560	02.07.70								gelagert
806	37-14-02-G	H46	EKW53	53	560	11.08.70								gelagert
806	37-14-02-G	H46	EKW53	53	560	06.10.70								gelagert
806	37-14-02-G	H46	EKW53	53	560	09.11.70								gelagert
806	37-14-02-G	H46	EKW53	53	560	10.12.70								gelagert
810	37-14-02-K	H29	EKW151	151	555	10.01.69			-68.30		491	42	BVFA-69	
810	37-14-02-K	H29	EKW151	151	555	10.02.69			-69.20		396	34	BVFA-69	

GIS-ID	Name	Feld-ID	ISO-Eval	EKW-Nr.	Austritts- Seehöhe	Datum	Uhrz.	18-O	2-H	Excess	3-H	Sigma	Labor	Anmerkung
810	37-14-02-K	H29	EKW151	151	555	10.03.69			-66.70		463	42	BVFA-69	
810	37-14-02-K	H29	EKW151	151	555	09.04.69			-68.80		363	31	BVFA-69	
810	37-14-02-K	H29	EKW151	151	555	12.05.69			-66.80		405	34	BVFA-69	
810	37-14-02-K	H29	EKW151	151	555	09.06.69			-73.00		351	31	BVFA-69	
810	37-14-02-K	H29	EKW151	151	555	17.07.69			-78.40				BVFA-69	
810	37-14-02-K	H29	EKW151	151	555	11.08.69			-74.70		413	35	BVFA-69	
810	37-14-02-K	H29	EKW151	151	555	10.09.69								gelagert
810	37-14-02-K	H29	EKW151	151	555	09.10.69			-75.90		411	24	BVFA-69	
810	37-14-02-K	H29	EKW151	151	555	10.11.69			-73.40		416	24	BVFA-69	
810	37-14-02-K	H29	EKW151	151	555	10.02.70			-77.60		334	20	BVFA-70	
810	37-14-02-K	H29	EKW151	151	555	13.04.70			-77.70		371	22	BVFA-70	
810	37-14-02-K	H29	EKW151	151	555	12.05.70								gelagert
810	37-14-02-K	H29	EKW151	151	555	05.06.70								gelagert
810	37-14-02-K	H29	EKW151	151	555	02.07.70								gelagert
810	37-14-02-K	H29	EKW151	151	555	11.08.70								gelagert
810	37-14-02-K	H29	EKW151	151	555	08.09.70								gelagert
810	37-14-02-K	H29	EKW151	151	555	06.10.70								gelagert
810	37-14-02-K	H29	EKW151	151	555	09.11.70								gelagert
810	37-14-02-K	H29	EKW151	151	555	10.12.70								gelagert
812	37-14-03-A	WEL	EKW152	152-153	540	10.02.69			-70.10		293	26	BVFA-69	
812	37-14-03-A	WEL	EKW152	152-153	540	10.03.69			-75.90		276	25	BVFA-69	
812	37-14-03-A	WEL	EKW152	152-153	540	09.04.69			-77.70		243	22	BVFA-69	
812	37-14-03-A	WEL	EKW152	152-153	540	12.05.69			-75.80		252	23	BVFA-69	
812	37-14-03-A	WEL	EKW152	152-153	540	09.06.69			-73.80		241	22	BVFA-69	
812	37-14-03-A	WEL	EKW152	152-153	540	17.07.69					227	12	BVFA-69	
812	37-14-03-A	WEL	EKW152	152-153	540	11.08.69			-76.00		256	23	BVFA-69	
812	37-14-03-A	WEL	EKW152	152-153	540	10.09.69					240	13	BVFA-69	
812	37-14-03-A	WEL	EKW152	152-153	540	09.10.69			-75.60		242	16	BVFA-69	
812	37-14-03-A	WEL	EKW152	152-153	540	10.02.70			-81.80		236	16	BVFA-70	
812	37-14-03-A	WEL	EKW152	152-153	540	09.03.70					238	12	BVFA-70	
812	37-14-03-A	WEL	EKW152	152-153	540	13.04.70			-80.70		261	17	BVFA-70	
812	37-14-03-A	WEL	EKW152	152-153	540	12.05.70								gelagert
812	37-14-03-A	WEL	EKW152	152-153	540	04.06.70								gelagert
812	37-14-03-A	WEL	EKW152	152-153	540	02.07.70								gelagert
812	37-14-03-A	WEL	EKW152	152-153	540	11.08.70								gelagert
812	37-14-03-A	WEL	EKW152	152-153	540	08.09.70								gelagert
812	37-14-03-A	WEL	EKW152	152-153	540	06.10.70								gelagert
812	37-14-03-A	WEL	EKW152	152-153	540	09.11.70								gelagert
812	37-14-03-A	WEL	EKW152	152-153	540	10.12.70								gelagert
812	37-14-03-A	WEL	EKW152	152-153	540	18.06.91		-11.26	-73.40	16.68	25.8	1.3	BVFA-91	
812	37-14-03-A	WEL	EKW152	152-153	540	17.02.93		-11.01	-77.30	10.80	24.8	0.8	GSF	
812	37-14-03-A	WEL	EKW152	152-153	540	26.03.93		-11.30	-80.70	9.70	21.9	0.9	GSF	

GIS-ID	Name	Feld-ID	ISO-Eval	EKW-Nr.	Austritts- Seehöhe	Datum	Uhrz.	18-O	2-H	Excess	3-H	Sigma	Labor	Anmerkung
812	37-14-03-A	WEL	EKW152	152-153	540	20.04.93		-11.39	-79.70	11.40	20.1	0.8	GSF	
812	37-14-03-A	WEL	EKW152	152-153	540	29.04.93		-11.24					GSF	
812	37-14-03-A	WEL	EKW152	152-153	540	17.05.93		-11.17	-78.10	11.30	24.4	1.3	GSF	
812	37-14-03-A	WEL	EKW152	152-153	540	17.06.93		-11.02	-76.30	11.90	22.9	1.2	GSF	
812	37-14-03-A	WEL	EKW152	152-153	540	13.07.93		-11.03	-78.30	9.90	23.1	0.8	GSF	
812	37-14-03-A	WEL	EKW152	152-153	540	04.08.93		-11.07					GSF	
812	37-14-03-A	WEL	EKW152	152-153	540	16.08.93		-10.91	-77.90	9.40	22	0.8	GSF	
812	37-14-03-A	WEL	EKW152	152-153	540	13.09.93		-10.94	-77.60	9.90	23.8	1	GSF	
812	37-14-03-A	WEL	EKW152	152-153	540	21.10.93		-10.84					GSF	
812	37-14-03-A	WEL	EKW152	152-153	540	05.04.94		-10.94			21.9	2.6	GSF	
812	37-14-03-A	WEL	EKW152	152-153	540	15.05.94		-11.31			21.2	2.8	GSF	
812	37-14-03-A	WEL	EKW152	152-153	540	11.08.94		-11.16			23.9	2.5	GSF	
812	37-14-03-A	WEL	EKW152	152-153	540	02.03.95		-11.49			18.6	1.8	GSF	
812	37-14-03-A	WEL	EKW152	152-153	540	10.05.95		-11.41			19.2	2.5	GSF	
812	37-14-03-A	WEL	EKW152	152-153	540	07.06.95		-11.58			19.5	1.8	GSF	
812	37-14-03-A	WEL	EKW152	152-153	540	04.07.95		-11.43			17.9	2.4	GSF	
812	37-14-03-A	WEL	EKW152	152-153	540	15.08.95		-10.85					GSF	
812	37-14-03-A	WEL	EKW152	152-153	540	10.10.95		-11.13					GSF	
812	37-14-03-A	WEL	EKW152	152-153	540	05.12.95		-11.20					GSF	
812	37-14-03-A	WEL	EKW152	152-153	540	11.01.96		-11.03					GSF	
812	37-14-03-A	WEL	EKW152	152-153	540	25.01.96		-10.82					GSF	
812	37-14-03-A	WEL	EKW152	152-153	540	07.02.96		-11.21			18.9	2	GSF	
812	37-14-03-A	WEL	EKW152	152-153	540	01.04.96		-11.32			18	1.7	GSF	
812	37-14-03-A	WEL	EKW152	152-153	540	04.05.96		-11.68					GSF	
812	37-14-03-A	WEL	EKW152	152-153	540	19.06.96		-11.38			19.3	1.8	GSF	
812	37-14-03-A	WEL	EKW152	152-153	540	11.07.96	11:30	-11.06					GSF	
822	37-14-03-D	H40	EKW47B	47B	530	04.06.70								gelagert
822	37-14-03-D	H40	EKW47B	47B	530	02.07.70								gelagert
822	37-14-03-D	H40	EKW47B	47B	530	11.08.70								gelagert
822	37-14-03-D	H40	EKW47B	47B	530	08.09.70								gelagert
822	37-14-03-D	H40	EKW47B	47B	530	06.10.70								gelagert
822	37-14-03-D	H40	EKW47B	47B	530	09.11.70								gelagert
822	37-14-03-D	H40	EKW47B	47B	530	10.12.70								gelagert
827	37-14-03-I	H21	EKW44	44	525	10.01.69			-71.00		151	16	BVFA-69	
827	37-14-03-I	H21	EKW44	44	525	10.02.69			-71.00		105	13	BVFA-69	
827	37-14-03-I	H21	EKW44	44	525	10.03.69			-72.60		113	13	BVFA-69	
827	37-14-03-I	H21	EKW44	44	525	09.04.69			-73.90		100	12	BVFA-69	
827	37-14-03-I	H21	EKW44	44	525	12.05.69			-73.00		99	12	BVFA-69	
827	37-14-03-I	H21	EKW44	44	525	09.06.69			-73.30		206	20	BVFA-69	
827	37-14-03-I	H21	EKW44	44	525	17.07.69			-74.90		184	13	BVFA-69	
827	37-14-03-I	H21	EKW44	44	525	11.08.69			-71.60		89	12	BVFA-69	
827	37-14-03-I	H21	EKW44	44	525	10.09.69					76	6	BVFA-69	

GIS-ID	Name	Feld-ID	ISO-Eval	EKW-Nr.	Austritts- Seehöhe	Datum	Uhrz.	18-O	2-H	Excess	3-H	Sigma	Labor	Anmerkung
827	37-14-03-I	H21	EKW44	44	525	09.10.69			-76.60		90	10	BVFA-69	
827	37-14-03-I	H21	EKW44	44	525	10.12.69								gelagert
827	37-14-03-I	H21	EKW44	44	525	13.01.70			-74.60		157	12	BVFA-70	
827	37-14-03-I	H21	EKW44	44	525	10.02.70			-78.00		200	13	BVFA-70	
827	37-14-03-I	H21	EKW44	44	525	09.03.70					96	7	BVFA-70	
827	37-14-03-I	H21	EKW44	44	525	13.04.70			-79.90		143	12	BVFA-70	
827	37-14-03-I	H21	EKW44	44	525	12.05.70								gelagert
827	37-14-03-I	H21	EKW44	44	525	04.06.70								gelagert
827	37-14-03-I	H21	EKW44	44	525	02.07.70								gelagert
827	37-14-03-I	H21	EKW44	44	525	11.08.70								gelagert
827	37-14-03-I	H21	EKW44	44	525	08.09.70								gelagert
827	37-14-03-I	H21	EKW44	44	525	06.10.70								gelagert
827	37-14-03-I	H21	EKW44	44	525	09.11.70								gelagert
827	37-14-03-I	H21	EKW44	44	525	10.12.70								gelagert
983	37-19-AAA	Q13	IHG-KSa		465	17.02.93		-11.03	-78.80	9.40	24.8	0.8	GSF	
983	37-19-AAA	Q13	IHG-KSa		465	26.03.93		-10.94	-77.70	9.90	25.9	1	GSF	
983	37-19-AAA	Q13	IHG-KSa		465	17.05.93		-11.14	-79.10	10.00	26.2	1.3	GSF	
983	37-19-AAA	Q13	IHG-KSa		465	17.06.93		-11.08	-78.20	10.40	25.6	1.3	GSF	
983	37-19-AAA	Q13	IHG-KSa		465	13.07.93		-11.07	-78.80	9.80	23.5	0.8	GSF	
983	37-19-AAA	Q13	IHG-KSa		465	16.08.93		-10.94	-77.70	9.90	26	1.1	GSF	
983	37-19-AAA	Q13	IHG-KSa		465	13.09.93		-10.93	-77.50	9.90	24.2	1	GSF	
521	37-19-ABB	KÖHL	KOEHL		465	17.02.93		-11.08	-78.30	10.30	23.3	0.8	GSF	
521	37-19-ABB	KÖHL	KOEHL		465	26.03.93		-10.94	-76.60	10.90	24.5	1	GSF	
521	37-19-ABB	KÖHL	KOEHL		465	20.04.93		-11.04	-76.60	11.70	23	0.9	GSF	
521	37-19-ABB	KÖHL	KOEHL		465	29.04.93		-11.09					GSF	
521	37-19-ABB	KÖHL	KOEHL		465	17.05.93		-11.11	-78.90	10.00	25.3	1.3	GSF	
521	37-19-ABB	KÖHL	KOEHL		465	17.06.93		-11.01	-78.20	9.90	23.1	1.2	GSF	
521	37-19-ABB	KÖHL	KOEHL		465	13.07.93		-11.03	-78.20	10.00	22.9	0.8	GSF	
521	37-19-ABB	KÖHL	KOEHL		465	04.08.93		-11.15					GSF	
521	37-19-ABB	KÖHL	KOEHL		465	16.08.93		-10.99	-76.90	11.00	23.6	0.8	GSF	
521	37-19-ABB	KÖHL	KOEHL		465	13.09.93		-10.99	-76.60	10.80	24.5	1	GSF	
521	37-19-ABB	KÖHL	KOEHL		465	21.10.93		-11.09					GSF	
521	37-19-ABB	KÖHL	KOEHL		465	05.04.94		-10.91			22.5	2.2	GSF	
521	37-19-ABB	KÖHL	KOEHL		465	15.05.94		-11.17			22	2.4	GSF	
521	37-19-ABB	KÖHL	KOEHL		465	11.08.94		-11.16			21.4	2.7	GSF	
521	37-19-ABB	KÖHL	KOEHL		465	17.10.94		-11.18			21.7	2.2	GSF	
521	37-19-ABB	KÖHL	KOEHL		465	02.03.95		-11.07			21.5	1.8	GSF	
521	37-19-ABB	KÖHL	KOEHL		465	11.05.95		-11.19			19.5	2.5	GSF	
521	37-19-ABB	KÖHL	KOEHL		465	07.06.95		-11.14			19.7	1.8	GSF	
521	37-19-ABB	KÖHL	KOEHL		465	04.07.95		-11.16			23.2	3	GSF	
521	37-19-ABB	KÖHL	KOEHL		465	15.08.95		-11.02					GSF	
521	37-19-ABB	KÖHL	KOEHL		465	10.10.95		-11.10					GSF	

GIS-ID	Name	Feld-ID	ISO-Eval	EKW-Nr.	Austritts- Seehöhe	Datum	Uhrz.	18-O	2-H	Excess	3-H	Sigma	Labor	Anmerkung
521	37-19-ABB	KÖHL	KOEHL		465	08.11.95		-10.92					GSF	
521	37-19-ABB	KÖHL	KOEHL		465	07.12.95		-10.97					GSF	
521	37-19-ABB	KÖHL	KOEHL		465	15.01.96		-11.20					GSF	
521	37-19-ABB	KÖHL	KOEHL		465	25.01.96		-11.33					GSF	
521	37-19-ABB	KÖHL	KOEHL		465	07.02.96		-11.11			18.8	1.8	GSF	
521	37-19-ABB	KÖHL	KOEHL		465	03.04.96		-11.03			19.6	1.8	GSF	
521	37-19-ABB	KÖHL	KOEHL		465	04.05.96		-11.11					GSF	
521	37-19-ABB	KÖHL	KOEHL		465	19.06.96		-11.10			18.2	1.7	GSF	
521	37-19-ABB	KÖHL	KOEHL		465	12.07.96	19:45	-10.90					GSF	
523	37-19-C	KS25	EKW107	107-108	465	12.05.69			-69.20		211	20	BVFA-69	
523	37-19-C	KS25	EKW107	107-108	465	09.06.69			-69.80		234	22	BVFA-69	
523	37-19-C	KS25	EKW107	107-108	465	17.07.69			-75.90		195	14	BVFA-69	
523	37-19-C	KS25	EKW107	107-108	465	11.08.69			-70.30		173	17	BVFA-69	
523	37-19-C	KS25	EKW107	107-108	465	10.09.69								gelagert
523	37-19-C	KS25	EKW107	107-108	465	09.10.69			-78.70		183	13	BVFA-69	
523	37-19-C	KS25	EKW107	107-108	465	10.11.69			-77.70		205	14	BVFA-69	
523	37-19-C	KS25	EKW107	107-108	465	06.02.70			-79.80		198	14	BVFA-70	
523	37-19-C	KS25	EKW107	107-108	465	13.04.70			-79.60		164	13	BVFA-70	
523	37-19-C	KS25	EKW107	107-108	465	12.05.70								gelagert
523	37-19-C	KS25	EKW107	107-108	465	04.06.70								gelagert
523	37-19-C	KS25	EKW107	107-108	465	02.07.70								gelagert
523	37-19-C	KS25	EKW107	107-108	465	08.09.70								gelagert
523	37-19-C	KS25	EKW107	107-108	465	06.10.70								gelagert
523	37-19-C	KS25	EKW107	107-108	465	10.11.70								gelagert
523	37-19-C	KS25	EKW107	107-108	465	10.12.70								gelagert
524	37-19-D	KS3	EKW103	103	465	10.01.69			-76.30		156	16	BVFA-69	
524	37-19-D	KS3	EKW103	103	465	10.02.69			-74.80		160	16	BVFA-69	
524	37-19-D	KS3	EKW103	103	465	10.03.69			-68.40		146	15	BVFA-69	
524	37-19-D	KS3	EKW103	103	465	09.04.69			-69.10		172	17	BVFA-69	
524	37-19-D	KS3	EKW103	103	465	12.05.69			-68.60		192	18	BVFA-69	
524	37-19-D	KS3	EKW103	103	465	09.06.69			-71.20		168	17	BVFA-69	
524	37-19-D	KS3	EKW103	103	465	17.07.69			-77.10				BVFA-69	
524	37-19-D	KS3	EKW103	103	465	11.08.69			-73.90		173	17	BVFA-69	
524	37-19-D	KS3	EKW103	103	465	10.09.69								gelagert
524	37-19-D	KS3	EKW103	103	465	09.10.69			-78.40		141	12	BVFA-69	
524	37-19-D	KS3	EKW103	103	465	10.11.69								gelagert
524	37-19-D	KS3	EKW103	103	465	10.12.69			-80.10		175	13	BVFA-69	
524	37-19-D	KS3	EKW103	103	465	09.01.70								gelagert
524	37-19-D	KS3	EKW103	103	465	06.02.70			-76.90		165	13	BVFA-70	
524	37-19-D	KS3	EKW103	103	465	09.03.70								gelagert
524	37-19-D	KS3	EKW103	103	465	10.04.70			-76.90		162	12	BVFA-70	
524	37-19-D	KS3	EKW103	103	465	12.05.70								gelagert

GIS-ID	Name	Feld-ID	ISO-Eval	EKW-Nr.	Austritts- Seehöhe	Datum	Uhrz.	18-O	2-H	Excess	3-H	Sigma	Labor	Anmerkung
524	37-19-D	KS3	EKW103	103	465	04.06.70								gelagert
524	37-19-D	KS3	EKW103	103	465	02.07.70								gelagert
524	37-19-D	KS3	EKW103	103	465	13.08.70								gelagert
524	37-19-D	KS3	EKW103	103	465	08.09.70								gelagert
524	37-19-D	KS3	EKW103	103	465	02.10.70								gelagert
524	37-19-D	KS3	EKW103	103	465	10.11.70								gelagert
524	37-19-D	KS3	EKW103	103	465	10.12.70								gelagert
526	37-19-G	KS4	EKW97	97-101	466	10.02.69			-71.60		324	29	BVFA-69	
526	37-19-G	KS4	EKW97	97-101	466	10.03.69			-75.70		307	28	BVFA-69	
526	37-19-G	KS4	EKW97	97-101	466	09.04.69			-76.80		317	30	BVFA-69	
526	37-19-G	KS4	EKW97	97-101	466	12.05.69			-76.10		277	25	BVFA-69	
526	37-19-G	KS4	EKW97	97-101	466	09.06.69			-71.60		268	24	BVFA-69	
526	37-19-G	KS4	EKW97	97-101	466	17.07.69			-73.10		350	19	BVFA-69	
526	37-19-G	KS4	EKW97	97-101	466	11.08.69			-68.60		295	27	BVFA-69	
526	37-19-G	KS4	EKW97	97-101	466	10.09.69								gelagert
526	37-19-G	KS4	EKW97	97-101	466	09.10.69			-79.10		275	17	BVFA-69	
526	37-19-G	KS4	EKW97	97-101	466	10.11.69								gelagert
526	37-19-G	KS4	EKW97	97-101	466	10.12.69			-79.20		269	17	BVFA-69	
526	37-19-G	KS4	EKW97	97-101	466	09.01.70								gelagert
526	37-19-G	KS4	EKW97	97-101	466	06.02.70			-82.00		266	17	BVFA-70	
526	37-19-G	KS4	EKW97	97-101	466	09.03.70								gelagert
526	37-19-G	KS4	EKW97	97-101	466	13.04.70			-80.80		309	17	BVFA-70	
526	37-19-G	KS4	EKW97	97-101	466	12.05.70								gelagert
526	37-19-G	KS4	EKW97	97-101	466	04.06.70								gelagert
526	37-19-G	KS4	EKW97	97-101	466	02.07.70								gelagert
526	37-19-G	KS4	EKW97	97-101	466	11.08.70								gelagert
526	37-19-G	KS4	EKW97	97-101	466	08.09.70								gelagert
526	37-19-G	KS4	EKW97	97-101	466	05.10.70								gelagert
526	37-19-G	KS4	EKW97	97-101	466	10.11.70								gelagert
526	37-19-G	KS4	EKW97	97-101	466	10.12.70								gelagert
530	37-19-K	KS10	EKW95	95	464	10.01.69			-72.30		222	21	BVFA-69	
530	37-19-K	KS10	EKW95	95	464	10.02.69			-73.40		184	17	BVFA-69	
530	37-19-K	KS10	EKW95	95	464	10.03.69			-67.90		197	19	BVFA-69	
530	37-19-K	KS10	EKW95	95	464	09.04.69			-70.00		223	21	BVFA-69	
530	37-19-K	KS10	EKW95	95	464	12.05.69			-77.20		189	18	BVFA-69	
530	37-19-K	KS10	EKW95	95	464	09.06.69			-69.80		242	23	BVFA-69	
530	37-19-K	KS10	EKW95	95	464	17.07.69			-73.50		227	13	BVFA-69	
530	37-19-K	KS10	EKW95	95	464	12.08.69			-63.80		183	18	BVFA-69	
530	37-19-K	KS10	EKW95	95	464	10.09.69								gelagert
530	37-19-K	KS10	EKW95	95	464	10.10.69			-75.00		211	15	BVFA-69	
530	37-19-K	KS10	EKW95	95	464	10.11.69								gelagert
530	37-19-K	KS10	EKW95	95	464	10.12.69			-78.40		237	16	BVFA-69	

GIS-ID	Name	Feld-ID	ISO-Eval	EKW-Nr.	Austritts- Seehöhe	Datum	Uhrz.	18-O	2-H	Excess	3-H	Sigma	Labor	Anmerkung
530	37-19-K	KS10	EKW95	95	464	12.01.70								gelagert
530	37-19-K	KS10	EKW95	95	464	09.02.70			-74.90		232	15	BVFA-70	
530	37-19-K	KS10	EKW95	95	464	09.03.70								gelagert
530	37-19-K	KS10	EKW95	95	464	13.04.70			-73.80		216	15	BVFA-70	
530	37-19-K	KS10	EKW95	95	464	12.05.70								gelagert
530	37-19-K	KS10	EKW95	95	464	04.06.70								gelagert
530	37-19-K	KS10	EKW95	95	464	02.07.70								gelagert
530	37-19-K	KS10	EKW95	95	464	13.08.70								gelagert
530	37-19-K	KS10	EKW95	95	464	08.09.70								gelagert
530	37-19-K	KS10	EKW95	95	464	02.10.70								gelagert
530	37-19-K	KS10	EKW95	95	464	10.11.70								gelagert
530	37-19-K	KS10	EKW95	95	464	10.12.70								gelagert
530	37-19-K	KS10	EKW95	95	464	17.02.93		-11.03	-78.70	9.50	31.2	1	GSF	
530	37-19-K	KS10	EKW95	95	464	26.03.93		-11.00	-76.90	11.10	30.4	1.2	GSF	
530	37-19-K	KS10	EKW95	95	464	20.04.93		-11.00	-77.10	10.90	29.1	1.2	GSF	
530	37-19-K	KS10	EKW95	95	464	17.05.93		-11.05	-77.20	11.20	29.5	1.5	GSF	
530	37-19-K	KS10	EKW95	95	464	17.06.93		-11.07	-77.90	10.70	31	1.6	GSF	
530	37-19-K	KS10	EKW95	95	464	13.07.93		-11.02	-78.60	9.60	29.3	0.9	GSF	
530	37-19-K	KS10	EKW95	95	464	16.08.93		-11.01	-78.60	9.50	29.9	0.9	GSF	
530	37-19-K	KS10	EKW95	95	464	13.09.93		-11.07	-78.70	9.90	27.6	1.1	GSF	
533	37-19-N	KS47	EKW250a	250a	540	10.01.69			-72.30		273	6	BVFA-69	
533	37-19-N	KS47	EKW250a	250a	540	10.02.69			-70.90		357	30	BVFA-69	
533	37-19-N	KS47	EKW250a	250a	540	10.03.69			-71.70		364	33	BVFA-69	
533	37-19-N	KS47	EKW250a	250a	540	09.04.69			-71.50		341	31	BVFA-69	
533	37-19-N	KS47	EKW250a	250a	540	12.05.69			-72.70		342	31	BVFA-69	
533	37-19-N	KS47	EKW250a	250a	540	09.06.69			-73.00		291	18	BVFA-69	
533	37-19-N	KS47	EKW250a	250a	540	18.07.69			-71.60		290	18	BVFA-69	
533	37-19-N	KS47	EKW250a	250a	540	11.08.69			-71.50		350	31	BVFA-69	
533	37-19-N	KS47	EKW250a	250a	540	10.09.69								gelagert
533	37-19-N	KS47	EKW250a	250a	540	09.10.69			-75.00		287	18	BVFA-69	
533	37-19-N	KS47	EKW250a	250a	540	10.11.69								gelagert
533	37-19-N	KS47	EKW250a	250a	540	10.12.69			-74.70		259	17	BVFA-69	
533	37-19-N	KS47	EKW250a	250a	540	13.01.70								gelagert
533	37-19-N	KS47	EKW250a	250a	540	09.02.70			-75.90		252	16	BVFA-70	
533	37-19-N	KS47	EKW250a	250a	540	10.03.70								gelagert
533	37-19-N	KS47	EKW250a	250a	540	13.04.70			-77.10		334	18	BVFA-70	
533	37-19-N	KS47	EKW250a	250a	540	11.05.70								gelagert
533	37-19-N	KS47	EKW250a	250a	540	05.06.70								gelagert
533	37-19-N	KS47	EKW250a	250a	540	03.07.70								gelagert
533	37-19-N	KS47	EKW250a	250a	540	12.08.70								gelagert
533	37-19-N	KS47	EKW250a	250a	540	08.09.70								gelagert
533	37-19-N	KS47	EKW250a	250a	540	05.10.70								gelagert

GIS-ID	Name	Feld-ID	ISO-Eval	EKW-Nr.	Austritts- Seehöhe	Datum	Uhrz.	18-O	2-H	Excess	3-H	Sigma	Labor	Anmerkung
533	37-19-N	KS47	EKW250a	250a	540	09.11.70								gelagert
533	37-19-N	KS47	EKW250a	250a	540	11.12.70								gelagert
548	37-21-E	KS16	EKW240	240	443	10.01.69			-68.90		242	22	BVFA-69	
548	37-21-E	KS16	EKW240	240	443	10.02.69			-68.40		244	23	BVFA-69	
548	37-21-E	KS16	EKW240	240	443	10.03.69			-75.40		233	23	BVFA-69	
548	37-21-E	KS16	EKW240	240	443	09.04.69			-78.70		265	24	BVFA-69	
548	37-21-E	KS16	EKW240	240	443	12.05.69			-80.10		293	26	BVFA-69	
548	37-21-E	KS16	EKW240	240	443	09.06.69			-68.30		296	27	BVFA-69	
548	37-21-E	KS16	EKW240	240	443	17.07.69			-71.60		290	18	BVFA-69	
548	37-21-E	KS16	EKW240	240	443	11.08.69			-72.20		276	25	BVFA-69	
548	37-21-E	KS16	EKW240	240	443	10.09.69								gelagert
548	37-21-E	KS16	EKW240	240	443	10.10.69			-75.60		243	16	BVFA-69	
548	37-21-E	KS16	EKW240	240	443	10.11.69			-74.30		222	15	BVFA-69	
548	37-21-E	KS16	EKW240	240	443	12.12.69			-72.70		268	17	BVFA-69	
548	37-21-E	KS16	EKW240	240	443	12.01.70								gelagert
548	37-21-E	KS16	EKW240	240	443	09.02.70			-76.60		249	16	BVFA-70	
548	37-21-E	KS16	EKW240	240	443	09.03.70								gelagert
548	37-21-E	KS16	EKW240	240	443	09.04.70			-74.70		243	16	BVFA-70	
548	37-21-E	KS16	EKW240	240	443	11.05.70								gelagert
548	37-21-E	KS16	EKW240	240	443	04.06.70								gelagert
548	37-21-E	KS16	EKW240	240	443	02.07.70								gelagert
548	37-21-E	KS16	EKW240	240	443	13.08.70								gelagert
548	37-21-E	KS16	EKW240	240	443	07.09.70								gelagert
548	37-21-E	KS16	EKW240	240	443	02.10.70								gelagert
548	37-21-E	KS16	EKW240	240	443	10.11.70								gelagert
548	37-21-E	KS16	EKW240	240	443	10.12.70								gelagert
548	37-21-E	KS16	EKW240	240	443	26.03.93		-10.49	-74.10	9.80	28.7	1.1	GSF	
548	37-21-E	KS16	EKW240	240	443	20.04.93		-10.54	-73.50	10.80	26.3	1.1	GSF	
548	37-21-E	KS16	EKW240	240	443	17.05.93		-10.52	-73.80	10.40	25.1	1.3	GSF	
548	37-21-E	KS16	EKW240	240	443	17.06.93		-10.50	-73.40	10.60	26.4	0.8	GSF	
548	37-21-E	KS16	EKW240	240	443	13.07.93		-10.46	-74.40	9.30	23.9	0.8	GSF	
548	37-21-E	KS16	EKW240	240	443	16.08.93		-10.46	-73.50	10.20	26.2	1.1	GSF	
548	37-21-E	KS16	EKW240	240	443	13.09.93		-10.50	-73.90	10.10	25.5	0.8	GSF	
	37-21-KST	{KRUS1}	IRG-KST		410	26.03.93		-11.43	-80.40	11.00	17.1	0.7	GSF	Kr. Steyrl. ob. Wehr
	37-21-KST	{KRUS1}	IRG-KST		410	20.04.93		-11.89	-83.40	11.70	15.5	0.7	GSF	Kr. Steyrl. ob. Wehr
	37-21-KST	{KRUS1}	IRG-KST		410	10.05.93		-11.33	-80.80	9.80	20.7	1.1	GSF	Kr. Steyrl. ob. Wehr
	37-21-KST	{KRUS1}	IRG-KST		410	17.06.93		-11.18	-78.60	10.80	20.3	0.7	GSF	Kr. Steyrl. ob. Wehr
	37-21-KST	{KRUS1}	IRG-KST		410	13.07.93		-10.99	-78.40	9.60	19.8	0.7	GSF	Kr. Steyrl. ob. Wehr
	37-21-KST	{KRUS1}	IRG-KST		410	16.08.93		-10.83	-77.20	9.40	22.6	0.9	GSF	Kr. Steyrl. ob. Wehr
	37-21-KST	{KRUS1}	IRG-KST		410	13.09.93		-10.86	-75.60	11.30	20.7	0.7	GSF	Kr. Steyrl. ob. Wehr
569	37-21-M(Q5)	WULU	WULU		405	26.03.93		-11.62	-82.50	10.50	18.3	0.8	GSF	
569	37-21-M(Q5)	WULU	WULU		405	20.04.93		-11.93	-84.30	11.10	16.2	0.7	GSF	

GIS-ID	Name	Feld-ID	ISO-Eval	EKW-Nr.	Austritts- Seehöhe	Datum	Uhrz.	18-O	2-H	Excess	3-H	Sigma	Labor	Anmerkung
569	37-21-M(Q5)	WULU	WULU		405	29.04.93		-11.77					GSF	
569	37-21-M(Q5)	WULU	WULU		405	17.05.93		-11.34	-80.60	10.10	21.1	1.1	GSF	
569	37-21-M(Q5)	WULU	WULU		405	17.06.93		-11.06	-77.10	11.40	20.6	0.7	GSF	
569	37-21-M(Q5)	WULU	WULU		405	13.07.93		-10.97	-78.30	9.40	21.6	0.7	GSF	
569	37-21-M(Q5)	WULU	WULU		405	05.08.93		-10.75					GSF	
569	37-21-M(Q5)	WULU	WULU		405	16.08.93		-10.75	-75.10	10.90	22.2	0.9	GSF	
569	37-21-M(Q5)	WULU	WULU		405	13.09.93		-10.87	-76.40	10.50	20.4	0.7	GSF	
569	37-21-M(Q5)	WULU	WULU		405	22.10.93		-10.88					GSF	
569	37-21-M(Q5)	WULU	WULU		405	06.04.94		-11.07			17.7	2.1	GSF	
569	37-21-M(Q5)	WULU	WULU		405	15.05.94		-11.49			17.7	2	GSF	
569	37-21-M(Q5)	WULU	WULU		405	11.08.94		-10.90			20.8	2.3	GSF	
569	37-21-M(Q5)	WULU	WULU		405	17.10.94		-10.76			20	2.5	GSF	
569	37-21-M(Q5)	WULU	WULU		405	02.03.95		-11.67			15.3	2.8	GSF	
569	37-21-M(Q5)	WULU	WULU		405	11.05.95		-11.95			18.1	2.4	GSF	
569	37-21-M(Q5)	WULU	WULU		405	07.06.95		-11.73			19.1	2.1	GSF	
569	37-21-M(Q5)	WULU	WULU		405	04.07.95		-11.50			18.9	2.4	GSF	
569	37-21-M(Q5)	WULU	WULU		405	15.08.95		-10.87					GSF	
569	37-21-M(Q5)	WULU	WULU		405	10.10.95		-10.90					GSF	
569	37-21-M(Q5)	WULU	WULU		405	08.11.95		-11.05					GSF	
569	37-21-M(Q5)	WULU	WULU		405	07.12.95		-11.15					GSF	
569	37-21-M(Q5)	WULU	WULU		405	15.01.96		-11.66					GSF	
569	37-21-M(Q5)	WULU	WULU		405	25.01.96		-11.55					GSF	
569	37-21-M(Q5)	WULU	WULU		405	02.02.96		-11.20			18.5	1.7	GSF	
569	37-21-M(Q5)	WULU	WULU		405	08.03.96		-11.55					GSF	
569	37-21-M(Q5)	WULU	WULU		405	01.04.96		-11.83			16.1	1.5	GSF	
569	37-21-M(Q5)	WULU	WULU		405	03.05.96		-12.26					GSF	
569	37-21-M(Q5)	WULU	WULU		405	19.06.96		-11.52			18.8	1.9	GSF	
569	37-21-M(Q5)	WULU	WULU		405	13.07.96	11:30	-10.77					GSF	
	37-21-M(Q6)	WULU	WULU		405	01.06.87		-11.71			27.7	1.3	BVFA-87	BADES
570	37-21-N	KS28	Mo-WL		405	12.12.69			-76.80		279	17	BVFA-69	
570	37-21-N	KS28	Mo-WL		405	12.01.70								gelagert
570	37-21-N	KS28	Mo-WL		405	09.02.70			-77.40		245	16	BVFA-70	
570	37-21-N	KS28	Mo-WL		405	09.03.70								gelagert
570	37-21-N	KS28	Mo-WL		405	09.04.70			-79.70		257	17	BVFA-70	
570	37-21-N	KS28	Mo-WL		405	12.05.70								gelagert
570	37-21-N	KS28	Mo-WL		405	04.06.70								gelagert
570	37-21-N	KS28	Mo-WL		405	02.07.70								gelagert
570	37-21-N	KS28	Mo-WL		405	12.08.70								gelagert
570	37-21-N	KS28	Mo-WL		405	07.09.70								gelagert
570	37-21-N	KS28	Mo-WL		405	02.10.70								gelagert
570	37-21-N	KS28	Mo-WL		405	09.11.70								gelagert
570	37-21-N	KS28	Mo-WL		405	11.12.70								gelagert

GIS-ID	Name	Feld-ID	ISO-Eval	EKW-Nr.	Austritts- Seehöhe	Datum	Uhrz.	18-O	2-H	Excess	3-H	Sigma	Labor	Anmerkung
570	37-21-N	KS28	Mo-WL		405	17.06.91		-11.15	-77.90	11.30	22.9	1.2	BVFA-91	
570	37-21-N	KS28	Mo-WL		405	17.02.93		-10.96	-77.60	10.10	20.9	0.7	GSF	
571	37-21-O	KS42	Mo-414	414	400	10.02.69			-71.00		304	27	BVFA-69	
571	37-21-O	KS42	Mo-414	414	400	10.03.69			-68.40		283	27	BVFA-69	
571	37-21-O	KS42	Mo-414	414	400	09.04.69			-68.90		303	27	BVFA-69	
571	37-21-O	KS42	Mo-414	414	400	12.05.69			-77.30		307	28	BVFA-69	
571	37-21-O	KS42	Mo-414	414	400	09.06.69			-73.90		289	26	BVFA-69	
571	37-21-O	KS42	Mo-414	414	400	17.07.69			-75.70				BVFA-69	
571	37-21-O	KS42	Mo-414	414	400	11.08.69			-74.60		323	29	BVFA-69	
571	37-21-O	KS42	Mo-414	414	400	10.09.69								gelagert
571	37-21-O	KS42	Mo-414	414	400	10.10.69			-78.00		263	17	BVFA-69	
571	37-21-O	KS42	Mo-414	414	400	11.11.69			-74.70				BVFA-69	
571	37-21-O	KS42	Mo-414	414	400	09.02.70			-82.60		277	18	BVFA-70	
571	37-21-O	KS42	Mo-414	414	400	09.03.70								gelagert
571	37-21-O	KS42	Mo-414	414	400	09.04.70			-78.30		285	18	BVFA-70	
571	37-21-O	KS42	Mo-414	414	400	11.05.70								gelagert
571	37-21-O	KS42	Mo-414	414	400	04.06.70								gelagert
571	37-21-O	KS42	Mo-414	414	400	02.07.70								gelagert
571	37-21-O	KS42	Mo-414	414	400	12.08.70								gelagert
571	37-21-O	KS42	Mo-414	414	400	07.09.70								gelagert
571	37-21-O	KS42	Mo-414	414	400	02.10.70								gelagert
571	37-21-O	KS42	Mo-414	414	400	09.11.70								gelagert
571	37-21-O	KS42	Mo-414	414	400	11.12.70								gelagert
571	37-21-O	KS42	Mo-414	414	400	17.02.93		-10.92	-77.20	10.20	22.4	0.8	GSF	
573	37-21-Q	KS43	Wehr		405	17.02.93		-11.02	-77.70	10.50	22.3	0.8	GSF	IHG Wehr A
573	37-21-Q	KS43	Wehr		405	26.03.93		-11.23	-77.90	11.90	21.3	0.9	GSF	IHG Wehr A
573	37-21-Q	KS43	Wehr		405	17.05.93		-11.26	-78.60	11.50	21.4	1.1	GSF	IHG Wehr A
573	37-21-Q	KS43	Wehr		405	17.06.93		-11.11	-77.80	11.10	20.7	1.1	GSF	IHG Wehr A
573	37-21-Q	KS43	Wehr		405	13.07.93		-11.00	-77.40	10.60	20.5	0.7	GSF	IHG Wehr A
573	37-21-Q	KS43	Wehr		405	16.08.93		-10.83	-76.00	10.60	21.4	0.9	GSF	IHG Wehr A
573	37-21-Q	KS43	Wehr		405	13.09.93		-11.04	-78.10	10.20	20.9	0.7	GSF	IHG Wehr A
575	37-21-S	KS60	EKW439	242, 439	385	10.02.69			-71.60		352	30	BVFA-69	
575	37-21-S	KS60	EKW439	242, 439	385	10.03.69			-66.20		276	25	BVFA-69	
575	37-21-S	KS60	EKW439	242, 439	385	10.04.69			-64.90		323	29	BVFA-69	
575	37-21-S	KS60	EKW439	242, 439	385	12.05.69			-69.60		267	24	BVFA-69	
575	37-21-S	KS60	EKW439	242, 439	385	10.06.69			-70.20		274	25	BVFA-69	
575	37-21-S	KS60	EKW439	242, 439	385	17.07.69			-79.60				BVFA-69	
575	37-21-S	KS60	EKW439	242, 439	385	11.08.69			-72.50		299	27	BVFA-69	
575	37-21-S	KS60	EKW439	242, 439	385	10.09.69								gelagert
575	37-21-S	KS60	EKW439	242, 439	385	10.10.69			-78.20		293	18	BVFA-69	
575	37-21-S	KS60	EKW439	242, 439	385	10.11.69								gelagert
575	37-21-S	KS60	EKW439	242, 439	385	12.12.69			-81.50		269	17	BVFA-69	

GIS-ID	Name	Feld-ID	ISO-Eval	EKW-Nr.	Austritts- Seehöhe	Datum	Uhrz.	18-O	2-H	Excess	3-H	Sigma	Labor	Anmerkung
575	37-21-S	KS60	EKW439	242, 439	385	12.01.70								gelagert
575	37-21-S	KS60	EKW439	242, 439	385	09.02.70			-78.60		273	17	BVFA-70	
575	37-21-S	KS60	EKW439	242, 439	385	10.03.70								gelagert
575	37-21-S	KS60	EKW439	242, 439	385	09.04.70			-78.90		295	18	BVFA-70	
575	37-21-S	KS60	EKW439	242, 439	385	11.05.70								gelagert
575	37-21-S	KS60	EKW439	242, 439	385	05.06.70								gelagert
575	37-21-S	KS60	EKW439	242, 439	385	03.07.70								gelagert
575	37-21-S	KS60	EKW439	242, 439	385	02.10.70								gelagert
575	37-21-S	KS60	EKW439	242, 439	385	11.12.70								gelagert
575	37-21-S	KS60	EKW242	242	385	26.03.93		-10.79	-76.60	9.70	21.8	0.9	GSF	
575	37-21-S	KS60	EKW242	242	385	17.05.93		-10.72	-75.30	10.50	20.4	1.1	GSF	
575	37-21-S	KS60	EKW242	242	385	17.06.93		-10.94	-76.20	11.30	21.8	1.2	GSF	
575	37-21-S	KS60	EKW242	242	385	13.07.93		-10.94	-77.30	10.20	21.8	0.8	GSF	
575	37-21-S	KS60	EKW242	242	385	16.08.93		-10.86	-76.70	10.20	21.5	0.9	GSF	
575	37-21-S	KS60	EKW242	242	385	13.09.93		-11.10	-78.70	10.10	21.2	0.7	GSF	
576	37-21-T	EKW448	EKW448	448	375	10.01.69			-76.80		238	23	BVFA-69	vor Mündung in Steyr
576	37-21-T	EKW448	EKW448	448	375	10.02.69			-72.90		243	22	BVFA-69	vor Mündung in Steyr
576	37-21-T	EKW448	EKW448	448	375	10.03.69			-74.90		245	22	BVFA-69	vor Mündung in Steyr
576	37-21-T	EKW448	EKW448	448	375	10.04.69			-78.00		237	23	BVFA-69	vor Mündung in Steyr
576	37-21-T	EKW448	EKW448	448	375	12.05.69			-76.80		250	23	BVFA-69	vor Mündung in Steyr
576	37-21-T	EKW448	EKW448	448	375	10.06.69			-74.30		252	23	BVFA-69	vor Mündung in Steyr
576	37-21-T	EKW448	EKW448	448	375	18.07.69			-80.20				BVFA-69	vor Mündung in Steyr
576	37-21-T	EKW448	EKW448	448	375	11.08.69			-67.40		272	24	BVFA-69	vor Mündung in Steyr
576	37-21-T	EKW448	EKW448	448	375	11.09.69								gelagert
576	37-21-T	EKW448	EKW448	448	375	10.10.69			-76.40		258	17	BVFA-69	vor Mündung in Steyr
576	37-21-T	EKW448	EKW448	448	375	11.11.69								gelagert
576	37-21-T	EKW448	EKW448	448	375	12.12.69			-78.40		237	16	BVFA-69	vor Mündung in Steyr
576	37-21-T	EKW448	EKW448	448	375	13.01.70								gelagert
576	37-21-T	EKW448	EKW448	448	375	10.02.70			-81.40		231	15	BVFA-70	vor Mündung in Steyr
576	37-21-T	EKW448	EKW448	448	375	10.03.70								gelagert
576	37-21-T	EKW448	EKW448	448	375	13.04.70			-79.70		237	15	BVFA-70	vor Mündung in Steyr
576	37-21-T	EKW448	EKW448	448	375	11.05.70								gelagert
576	37-21-T	EKW448	EKW448	448	375	05.06.70								gelagert
576	37-21-T	EKW448	EKW448	448	375	03.07.70								gelagert
576	37-21-T	EKW448	EKW448	448	375	12.08.70								gelagert
576	37-21-T	EKW448	EKW448	448	375	07.09.70								gelagert
576	37-21-T	EKW448	EKW448	448	375	02.10.70								gelagert
576	37-21-T	EKW448	EKW448	448	375	09.11.70								gelagert
576	37-21-T	EKW448	EKW448	448	375	11.12.70								gelagert
	Hilgerbach		EKWHiB12	HiB12	495	05.06.70								b. BL2, gelagert
	Hilgerbach		EKWHiB12	HiB12	495	03.07.70								gelagert
	Hilgerbach		EKWHiB12	HiB12	495	08.09.70								gelagert

GIS-ID	Name	Feld-ID	ISO-Eval	EKW-Nr.	Austritts- Seehöhe	Datum	Uhrz.	18-O	2-H	Excess	3-H	Sigma	Labor	Anmerkung
	Hilgerbach		EKWHiB12	HiB12	495	06.10.70								gelagert
	Mo-472		EKW472	472	380	10.03.69			-75.90		322	29	BVFA-69	
	Mo-472		EKW472	472	380	10.04.69			-76.70		313	28	BVFA-69	
	Mo-472		EKW472	472	380	12.05.69			-78.30		317	29	BVFA-69	
	Mo-472		EKW472	472	380	10.06.69			-70.40		321	29	BVFA-69	
	Mo-472		EKW472	472	380	18.07.69								gelagert
	Mo-472		EKW472	472	380	12.08.69			-73.60		387	33	BVFA-69	
	Mo-472		EKW472	472	380	11.09.69								gelagert
	Mo-472		EKW472	472	380	10.10.69			-73.90		341	20	BVFA-69	
	Mo-472		EKW472	472	380	11.11.69								gelagert
	Mo-472		EKW472	472	380	12.12.69			-75.20		283	17	BVFA-69	
	Mo-472		EKW472	472	380	13.01.70			-76.60		272	17	BVFA-70	
	Mo-472		EKW472	472	380	10.02.70			-75.40		317	17	BVFA-70	
	Mo-472		EKW472	472	380	10.03.70								gelagert
	Mo-472		EKW472	472	380	13.04.70			-82.40		303	19	BVFA-70	
	Mo-472		EKW472	472	380	11.05.70								gelagert
	Mo-472		EKW472	472	380	05.06.70								gelagert
	Mo-472		EKW472	472	380	03.07.70								gelagert
	Mo-472		EKW472	472	380	12.08.70								gelagert
	Mo-472		EKW472	472	380	07.09.70								gelagert
	Mo-472		EKW472	472	380	05.10.70								gelagert
	Mo-472		EKW472	472	380	09.11.70								gelagert
	Mo-472		EKW472	472	380	11.12.70								gelagert
	Mo-472		EKW472	472	380	18.06.91		-10.57	-75.60	8.96	27.8	1.4	BVFA-91	
	Mo-472		EKW472	472	380	17.02.93		-10.50	-74.10	9.90	23.3	0.8	GSF	
	Mo-KST	(KRUS2)	Mo-KST		400	17.06.91		-11.27	-79.00	11.16	22.7	1.2	BVFA-91	Kr. Steyrl. unt. Wehr
	Mo-TK1		VRQ		555	18.06.91		-11.62	-81.90	11.06	19.5	1.1	BVFA-91	Teufelsk., Vd. Retten- b., 30m v. Felstor abw.
	Steyr/KRST		StKrst	StKrst	375	10.01.69			-78.10		240	23	BVFA-69	nach Mdg. Kr. Steyrl.
	Steyr/KRST		StKrst	StKrst	375	10.02.69			-72.00		260	23	BVFA-69	
	Steyr/KRST		StKrst	StKrst	375	10.04.69			-76.30		249	22	BVFA-69	
	Steyr/KRST		StKrst	StKrst	375	12.05.69			-78.00		238	22	BVFA-69	
	Steyr/KRST		StKrst	StKrst	375	10.06.69			-75.50		254	23	BVFA-69	
	Steyr/KRST		StKrst	StKrst	375	18.07.69								gelagert
	Steyr/KRST		StKrst	StKrst	375	11.08.69			-70.70		296	27	BVFA-69	
	Steyr/KRST		StKrst	StKrst	375	11.09.69								gelagert
	Steyr/KRST		StKrst	StKrst	375	10.10.69			-81.50		264	17	BVFA-69	
	Steyr/KRST		StKrst	StKrst	375	11.11.69								gelagert
	Steyr/KRST		StKrst	StKrst	375	12.12.69			-77.20		256	17	BVFA-69	
	Steyr/KRST		StKrst	StKrst	375	13.01.70								gelagert
	Steyr/KRST		StKrst	StKrst	375	10.02.70			-81.30		244	16	BVFA-70	
	Steyr/KRST		StKrst	StKrst	375	10.03.70								gelagert

GIS-ID	Name	Feld-ID	ISO-Eval	EKW-Nr.	Austritts- Seehöhe	Datum	Uhrz.	18-O	2-H	Excess	3-H	Sigma	Labor	Anmerkung
	Steyr/KRST		StKrst	StKrst	375	13.04.70			-82.70		232	16	BVFA-70	
	Steyr/MoB		SMoB	SMoB		10.01.69			-76.80		276	25	BVFA-69	vor Mdg. Mollnerbach
	Steyr/MoB		SMoB	SMoB		12.05.69			-79.20		243	22	BVFA-69	
	Steyr/MoB		SMoB	SMoB		10.06.69			-79.40		259	23	BVFA-69	
	Steyr/MoB		SMoB	SMoB		18.07.69								gelagert
	Steyr/MoB		SMoB	SMoB		12.08.69			-85.90		303	27	BVFA-69	
	Steyr/MoB		SMoB	SMoB		11.09.69			-86.40		289	18	BVFA-69	
	Steyr/MoB		SMoB	SMoB		10.10.69			-84.40		272	17	BVFA-69	
	Steyr/MoB		SMoB	SMoB		11.11.69								gelagert
	Steyr/MoB		SMoB	SMoB		12.12.69			-78.30		265	17	BVFA-69	
	Steyr/MoB		SMoB	SMoB		13.01.70								gelagert
	Steyr/MoB		SMoB	SMoB		10.02.70			-81.80		257	17	BVFA-70	
	Steyr/MoB		SMoB	SMoB		10.03.70								gelagert
	Steyr/MoB		SMoB	SMoB		13.04.70			-88.60		244	16	BVFA-70	
	Steyr/MoB		SMoB	SMoB		11.05.70								gelagert
	Steyr/MoB		SMoB	SMoB		05.06.70								gelagert
			EKW299	299		10.02.69			-66.60		247	23	BVFA-69	Bereich Reichr.-bach
			EKW275	275		10.02.69			-62.10		292	26	BVFA-69	Bereich Reichr.-bach
			EKW299	299		22.05.69					221	21	BVFA-69	Bereich Reichr.-bach
			EKW293/2	293/2		22.05.69					280	25	BVFA-69	Ebentorstalm
			EKW308	308		22.05.69					286	26	BVFA-69	Bereich Reichr.-bach
			EKWxxx	xxx		22.05.69					300	27	BVFA-69	Ebentorstalm
			EKW275	275		22.05.69					305	27	BVFA-69	Bereich Reichr.-bach
			EKW293/3	293/3		22.05.69					433	37	BVFA-69	Ebentorstalm
		JONN	JONN			11.07.96		-11.07					GSF	

ANHANG B-2

ISOTOPENGEHALTE IM NIEDERSCHLAG

Erläuterungen:

Spalte GIS_ID: Eindeutige Kennung einer Meßstelle innerhalb der Datenbank "QUELLDAT.MDB".

Spalte Station: Bezeichnung der Niederschlagsstation

Spalte Seehöhe: Absolute Höhe der Meßstelle in m ü. Adria. Bei Unsicherheiten wurde der Wert in Klammer gesetzt.

Spalte Entnahme: Entnahmedatum der Probe. Bei den älteren Niederschlagsproben handelt es sich um über einen jeweils ganzen Kalendermonat gesammelte Niederschläge oder um Niederschläge, die auf einen solchen bezogen wurden; daher auch die Datumsangaben zum Monatsletzten. Bei den jüngeren Proben des Nationalparks handelt es sich um die zwischen zwei Terminen gesammelte Menge, sie ist nicht auf einen genauen Kalendermonat bezogen.

Spalte N(mm): Angabe der Menge des gesammelten Monatsniederschlags in mm. Bis auf die Werte der amtlichen Station fehlen meistens die Daten.

Spalte 2-H: Angabe des Deuterium-Gehaltes (^2H) als δD -Wert in ‰ - Abweichung vom V-SMOW.

Spalte 18-O: Angabe des Sauerstoff-18-Gehaltes (^{18}O) als $\delta^{18}\text{O}$ -Wert in ‰ - Abweichung vom V-SMOW.

Spalte Excess: Errechneter Wert des sog. Deuteriumexcesses aus der Beziehung $\delta[^2\text{H}] - 8 \cdot \delta[^{18}\text{O}] = \text{Excess}$. Dieser Wert dient als Kontrollparameter aus der für Mitteleuropa gültigen Standardbeziehung zwischen dem Deuterium und dem Sauerstoff-18-Gehalt im Niederschlag. Nach dieser Beziehung sollte der Wert um 10 betragen. Werte über 15 sind in den Tabellen fett gedruckt und zeigen an, daß entweder Fehlbestimmungen vorliegen, oder zwischen Entnahme und Analyse, oder schon geogen Isotopenfraktionierungseffekte eingetreten sind (z.B. durch Probenverdunstung).

Spalte 3-H: Angabe des Tritium-Gehaltes (^3H) in Tritiumeinheiten T.E. Als radioaktives Isotop im natürlichen Wasserkreislauf vorkommend wird der Tritiumzerfall in Szintillationszählern registriert und schließlich auf T.E. umgerechnet.

Spalte Sigma: Da die Messung des Tritiumzerfalls statistischen Schwankungen unterliegt, wird von den Isotopenlabors die zählstatistische 2-fache Standardabweichung zur Angabe der Ergebnisunsicherheit mitgeteilt.

Spalte Labor: Angabe des analysierenden Isotopenlabors. BVFA = Bundesversuchs- und Forschungsanstalt Arsenal, Geotechnisches Institut, Abteilung Isotopengeophysik, Wien. Die Jahresangabe (z.B. BVFA-70) soll nur die Trennung zwischen älteren und neueren Bestimmungen deutlich machen. Ab 1993 erfolgte die Umbenennung in BFPZ = Bundesforschungs- und Prüfzentrum. Als Zweitinstitution ist die GSF = Gesellschaft für Strahlen- und Umweltforschung, Institut für Hydrologie, München Neuherberg, angeführt.

Spalte Anmerkungen: Die Anmerkungen spezifizieren nähere Details; scheint "UBA-Lager Hofburg" auf, dann sollten nach den zur Verfügung stehenden Entnahmelisten der Ennskraftwerke A.G. die so gekennzeichneten Proben noch unanalysiert gelagert sein. Lagerort ist entweder das derzeit noch existierende Lager im Keller der Hofburg in Wien oder das Bundesforschungs- und Prüfzentrum Arsenal oder falls die Proben dort nicht aufgefunden werden können, an bislang unbekannter dritter Stelle. Soweit die Proben (allenfalls auch Rückstellproben) vorhanden sind, könnten sie dann bei Bedarf gemessen werden. In manchen Fällen ist dies fraglich. Bei den Niederschlagsisotopen scheinen auch Namen von Personen auf, die damals im Rahmen des Ennskraftwerkeprojektes bei den genannten Stationen Proben entnommen haben (meist Stationen bei Forsthäusern). Andere Angaben betreffen die Art der Proben, z.B. Schneeproben.

Station	Seehöhe	Entnahme	N (mm)	2-H	18-O	Excess	3-H	Sigma	Labor	Anmerkungen
Blumauer Alm	800	28.02.70					140	18	BVFA-70	
Blumauer Alm	800	31.03.70					151	28	BVFA-70	
Blumauer Alm	800	30.04.70					238	13	BVFA-70	
Blumauer Alm	800	31.05.70					280	15	BVFA-70	
Blumauer Alm	800	30.06.70					422	22	BVFA-70	
Blumauer Alm	800	31.07.70					315	17	BVFA-70	
Blumauer Alm	800	31.08.70					198	11	BVFA-70	
Bodinggraben	641	31.12.69		-191.1			122	12	BVFA-69	CBF. Kaserer
Bodinggraben	641	31.01.70		-106.6			97	10	BVFA-70	CBF. Kaserer
Bodinggraben	641	28.02.70		-115.8			154	12	BVFA-70	CBF. Kaserer
Bodinggraben	641	31.03.70		-101.4			151	12	BVFA-70	CBF. Kaserer
Bodinggraben	641	30.04.70					235	13	BVFA-70	CBF. Kaserer
Bodinggraben	641	31.05.70					297	16	BVFA-70	CBF. Kaserer
Bodinggraben	641	30.06.70					443	23	BVFA-70	CBF. Kaserer
Bodinggraben	641	31.07.70					323	17	BVFA-70	CBF. Kaserer
Bodinggraben	641	31.08.70					203	11	BVFA-70	CBF. Kaserer
Bodinggraben	641	30.09.70								CBF. Kaserer, UBA-Lager
Bodinggraben	641	31.10.70								CBF. Kaserer, UBA-Lager
Bodinggraben	641	30.11.70								CBF. Kaserer, UBA-Lager
Jaidhaus	510	31.03.69		-113.9			169	16	BVFA-69	CBF. Plasser
Jaidhaus	510	30.04.69		-74.3			196	19	BVFA-69	CBF. Plasser
Jaidhaus	510	31.05.69		-83.1			328	30	BVFA-69	CBF. Plasser
Jaidhaus	510	30.06.69		-86.2			332	30	BVFA-69	CBF. Plasser
Jaidhaus	510	31.07.69		-39.7			342	30	BVFA-69	CBF. Plasser
Jaidhaus	510	31.08.69		-53.0			308	19	BVFA-69	CBF. Plasser
Jaidhaus	510	30.09.69		-70.4			233	16	BVFA-69	CBF. Plasser
Jaidhaus	510	31.10.69		-53.2			152	12	BVFA-69	CBF. Plasser
Jaidhaus	510	30.11.69		-159.5			126	12	BVFA-69	CBF. Plasser
Jaidhaus	510	31.12.69		-178.8			105	11	BVFA-69	CBF. Plasser
Jaidhaus	510	31.01.70		-97.6			88	10	BVFA-70	CBF. Plasser
Jaidhaus	510	28.02.70		-112.7			124	11	BVFA-70	CBF. Plasser
Jaidhaus	510	31.03.70		-105.0			164	13	BVFA-70	CBF. Plasser
Jaidhaus	510	30.04.70					227	13	BVFA-70	CBF. Plasser
Jaidhaus	510	31.05.70					299	16	BVFA-70	CBF. Plasser
Jaidhaus	510	30.06.70					373	20	BVFA-70	CBF. Plasser
Jaidhaus	510	31.07.70					335	18	BVFA-70	CBF. Plasser
Jaidhaus	510	31.08.70					204	12	BVFA-70	CBF. Plasser
Jaidhaus	510	30.09.70								UBA-Lager Hofburg
Jaidhaus	510	31.10.70								UBA-Lager Hofburg
Jaidhaus	510	30.11.70								UBA-Lager Hofburg
Jaidhaus	510	31.12.70								UBA-Lager Hofburg
Molln-Ort (Schule)	(435)	31.12.69	50	-176.1			113	11	BVFA-69	Sigl
Molln-Ort (Schule)	(435)	31.01.70	23	-102.1			87	10	BVFA-70	Sigl
Molln-Ort (Schule)	(435)	28.02.70	211	-112.9			130	11	BVFA-70	Sigl
Molln-Ort (Schule)	(435)	31.03.70	39	-112.8			154	12	BVFA-70	Sigl
Molln-Ort (Schule)	(435)	30.04.70	114				223	13	BVFA-70	Sigl
Molln-Ort (Schule)	(435)	31.05.70	101				318	17	BVFA-70	Sigl
Molln-Ort (Schule)	(435)	30.06.70	204				419	22	BVFA-70	Sigl
Molln-Ort (Schule)	(435)	31.07.70	148				329	18	BVFA-70	Sigl
Molln-Ort (Schule)	(435)	31.08.70	221				211	12	BVFA-70	Sigl
Molln-Ort (Schule)	(435)	30.09.70	104							Sigl, UBA-Lager
Molln-Ort (Schule)	(435)	31.10.70	134							Sigl, UBA-Lager
Molln-Ort (Schule)	(435)	30.11.70	106							Sigl, UBA-Lager
Molln/Breitenau	(510)	31.03.69					161		BVFA-69	N-87
Molln/Breitenau	(510)	30.04.69					196		BVFA-69	N-87
Molln/Breitenau	(510)	31.05.69					328		BVFA-69	N-87
Molln/Breitenau	(510)	30.06.69					332		BVFA-69	N-87
Molln/Breitenau	(510)	31.07.69					342		BVFA-69	N-87
Molln/Breitenau	(510)	31.08.69					308		BVFA-69	N-87
Molln/Breitenau	(510)	30.09.69					233		BVFA-69	N-87
Molln/Breitenau	(510)	31.10.69					152		BVFA-69	N-87
Molln/Breitenau	(510)	30.11.69					126		BVFA-69	N-87
Molln/Breitenau	(510)	31.12.69					105		BVFA-69	N-87
Molln/Breitenau	(510)	31.01.70					88		BVFA-70	N-87
Molln/Breitenau	(510)	28.02.70					124		BVFA-70	N-87
Molln/Breitenau	(510)	31.03.70					164		BVFA-70	N-87
Molln/Breitenau	(510)	30.04.70					227		BVFA-70	N-87
Molln/Breitenau	(510)	31.05.70					299		BVFA-70	N-87

Station	Seehöhe	Entnahme	N (mm)	2-H	18-O	Excess	3-H	Sigma	Labor	Anmerkungen
Molln/Breitenau	(510)	30.06.70					373		BVFA-70	N-87
Molln/Breitenau	(510)	31.07.70					335		BVFA-70	N-87
Molln/Breitenau	(510)	31.08.70					204		BVFA-70	N-87
Molln/Breitenau	(510)	30.09.70					107		BVFA-70	N-87
Molln/Breitenau	(510)	31.10.70					102		BVFA-70	N-87
Molln/Breitenau	(510)	30.11.70					77		BVFA-70	N-87
Molln/Breitenau	(510)	31.12.70					78		BVFA-70	N-87
Molln/Breitenau	(510)	31.05.74					283		BVFA-74	N-87
Molln/Breitenau	(510)	30.06.74					264		BVFA-74	N-87
Molln/Breitenau	(510)	31.01.83	181						BVFA-83	N-87
Molln/Breitenau	(510)	28.02.83	65						BVFA-83	N-87
Molln/Breitenau	(510)	31.03.83	65				137		BVFA-83	N-87
Molln/Breitenau	(510)	30.04.83	113						BVFA-83	N-87
Molln/Breitenau	(510)	31.05.83	97						BVFA-83	N-87
Molln/Breitenau	(510)	30.06.83	219						BVFA-83	N-87
Molln/Breitenau	(510)	31.07.83	146						BVFA-83	N-87
Molln/Breitenau	(510)	31.08.83							BVFA-83	N-87
Molln/Breitenau	(510)	30.09.83	106						BVFA-83	N-87
Molln/Breitenau	(510)	31.10.83	93						BVFA-83	N-87
Molln/Breitenau	(510)	30.11.83	88						BVFA-83	N-87
Molln/Breitenau	(510)	31.12.83	123						BVFA-83	N-87
Molln/Breitenau	(510)	31.01.93	162				8.5		BFPZ-93	N-87
Molln/Breitenau	(510)	28.02.93	47				18.3		BFPZ-93	N-87
Molln/Breitenau	(510)	31.03.93	143				14.9		BFPZ-93	N-87
Molln/Breitenau	(510)	30.04.93	90				17.4		BFPZ-93	N-87
Molln/Breitenau	(510)	31.05.93	58				22.8		BFPZ-93	N-87
Molln/Breitenau	(510)	30.06.93	200				23.8		BFPZ-93	N-87
Molln/Breitenau	(510)	31.07.93	244				15.8		BFPZ-93	N-87
Molln/Breitenau	(510)	31.08.93	162				15.1		BFPZ-93	N-87
Molln/Breitenau	(510)	30.09.93	105				16.4		BFPZ-93	N-87
Molln/Breitenau	(510)	31.10.93	87				10.1		BFPZ-93	N-87
Molln/Breitenau	(510)	30.11.93	42				14.1		BFPZ-93	N-87
Molln/Breitenau	(510)	31.12.93	153				16.7		BFPZ-93	N-87
Molln/Breitenau	(510)	31.01.94	118				8.6		BFPZ-94	N-87
Molln/Breitenau	(510)	28.02.94	23				12.8		BFPZ-94	N-87
Molln/Breitenau	(510)	31.03.94	158				16.4		BFPZ-94	N-87
Molln/Breitenau	(510)	30.04.94	159				15.1		BFPZ-94	N-87
Molln/Breitenau	(510)	31.05.94	223				14.4		BFPZ-94	N-87
Molln/Breitenau	(510)	30.06.94	171				18.2		BFPZ-94	N-87
Molln/Breitenau	(510)	31.07.94	47				25.0		BFPZ-94	N-87
Molln/Breitenau	(510)	31.08.94	123				19.2		BFPZ-94	N-87
Molln/Breitenau	(510)	30.09.94	61				15.3		BFPZ-94	N-87
Molln/Breitenau	(510)	31.10.94	68				14.0		BFPZ-94	N-87
Molln/Breitenau	(510)	30.11.94	164				14.3		BFPZ-94	N-87
Molln/Breitenau	(510)	31.12.94	156				7.5		BFPZ-94	N-87
Molln/Breitenau	(510)	31.01.95	115				10.6		BFPZ-95	N-87
Molln/Breitenau	(510)	28.02.95	103				11.0		BFPZ-95	N-87
Molln/Breitenau	(510)	31.03.95	150				11.5		BFPZ-95	N-87
Molln/Breitenau	(510)	30.04.95	147				13.7		BFPZ-95	N-87
Molln/Breitenau	(510)	31.05.95	100				23.0		BFPZ-95	N-87
Molln/Breitenau	(510)	30.06.95	191				28.0		BFPZ-95	N-87
Molln/Breitenau	(510)	31.07.95	60				23.8		BFPZ-95	N-87
Molln/Breitenau	(510)	31.08.95	218				18.6		BFPZ-95	N-87
Molln/Breitenau	(510)	30.09.95	182				16.6		BFPZ-95	N-87
Molln/Breitenau	(510)	31.10.95	43				17.1		BFPZ-95	N-87
Molln/Breitenau	(510)	30.11.95	126				13.5		BFPZ-95	N-87
Molln/Breitenau	(510)	31.12.95	109				8.2		BFPZ-95	N-87
Molln/Breitenau	(510)	31.01.96	25				7.1		BFPZ-96	N-87
Molln/Breitenau	(510)	28.02.96	49				14.1		BFPZ-96	N-87
Molln/Breitenau	(510)	31.03.96	71				19.6		BFPZ-96	N-87
Molln/Breitenau	(510)	30.04.96	147				17.5		BFPZ-96	N-87
Molln/Breitenau	(510)	31.05.96	235				21.4		BFPZ-96	N-87
Molln/Breitenau	(510)	30.06.96	192				24.1		BFPZ-96	N-87
Molln/Breitenau	(510)	31.07.96	164				17.8		BFPZ-96	N-87
Molln/Breitenau	(510)	31.08.96	164				18.2		BFPZ-96	N-87
Molln/Breitenau	(510)	30.09.96	282				16.6		BFPZ-96	N-87
Molln/Breitenau	(510)	31.10.96	201				8.5		BFPZ-96	N-87
Molln/Breitenau	(510)	30.11.96	116				8.5		BFPZ-96	N-87

Station	Seehöhe	Entnahme	N (mm)	2-H	18-O	Excess	3-H	Sigma	Labor	Anmerkungen
Molln/Breitenau	(510)	31.12.96	43				9.1		BFPZ-96	N-87
Welchau	530	31.12.99		-170.1			121	12	BVFA-69	CBF. Riedl
Welchau	530	31.01.70		-102.3			97	10	BVFA-70	CBF. Riedl
Welchau	530	28.02.70		-122.6			134	11	BVFA-70	CBF. Riedl
Welchau	530	31.03.70		-104.1			160	12	BVFA-70	CBF. Riedl
Welchau	530	30.04.70					250	14	BVFA-70	CBF. Riedl
Welchau	530	31.05.70					298	16	BVFA-70	CBF. Riedl
Welchau	530	30.06.70					462	24	BVFA-70	CBF. Riedl
Welchau	530	31.07.70					326	18	BVFA-70	CBF. Riedl
Welchau	530	31.08.70					195	11	BVFA-70	CBF. Riedl
Welchau	530	30.09.70								CBF. Riedl, UBA-Lager
Welchau	530	31.10.70								CBF. Riedl, UBA-Lager
Welchau	530	30.11.70								CBF. Riedl, UBA-Lager
Ht. Rettenbach	615	02.07.95			-9.18		25.1	2.6	GSF	
Zöbelboden	900	03.07.95			-8.57		23.0	3.3	GSF	
Mieseck	1220	03.07.95			-9.52		20.8	3.2	GSF	
Schoberstein	1260	04.07.95			-9.36		21.4	2.3	GSF	
Hagler	1550	02.07.95			-10.31		21.5	2.9	GSF	
Ht. Rettenbach	615	29.07.95			-5.39				GSF	
Zöbelboden	900	27.07.95			-6.39				GSF	
Mieseck	1220	27.07.95			-6.49				GSF	
Schoberstein	1260	28.07.95			-6.06				GSF	
Hagler	1550	29.07.95			-7.08				GSF	
Ht. Rettenbach	615	07.09.95			-10.53				GSF	
Zöbelboden	900	07.09.95			-10.94				GSF	
Mieseck	1220	07.09.95			-11.80				GSF	
Schoberstein	1260	08.09.95			-10.81				GSF	
Ht. Rettenbach	615	04.10.95			-10.43				GSF	
Zöbelboden	900	03.10.95			-11.24				GSF	
Mieseck	1220	03.10.95			-12.28				GSF	
Schoberstein	1260	05.10.95			-12.49				GSF	
Hagler	1550	04.10.95			-11.83				GSF	
Ht. Rettenbach	615	10.11.95			-9.91				GSF	
Schoberstein	1260	11.11.95			-10.53				GSF	
Zöbelboden	900	27.12.95			-19.00				GSF	
FH. Steyern	540	22.04.96			-13.42				GSF	S2 (412) - Schnee
Ht. Rettenbach	615	23.04.96			-14.31				GSF	S1 (411) - Schnee
Feichtau	1360	22.04.96			-16.68				GSF	S4 (414) - Schnee
Hagler	1550	23.04.96			-14.58				GSF	S3 (413) - Schnee
Feichtau	1360	02.05.96			-15.24				GSF	WS (426) - Schnee

Anhang B-3

Isotopengehalte ausgewählter Quellen

ANHANG B-3 a: QUELLEN: SAUERSTOFF-18 - DEUTERIUM

ANHANG B-3 b: QUELLEN: ZEITREIHEN SAUERSTOFF-18

ANHANG B-3 c: QUELLEN: SAUERSTOFF-18 - TRITIUM

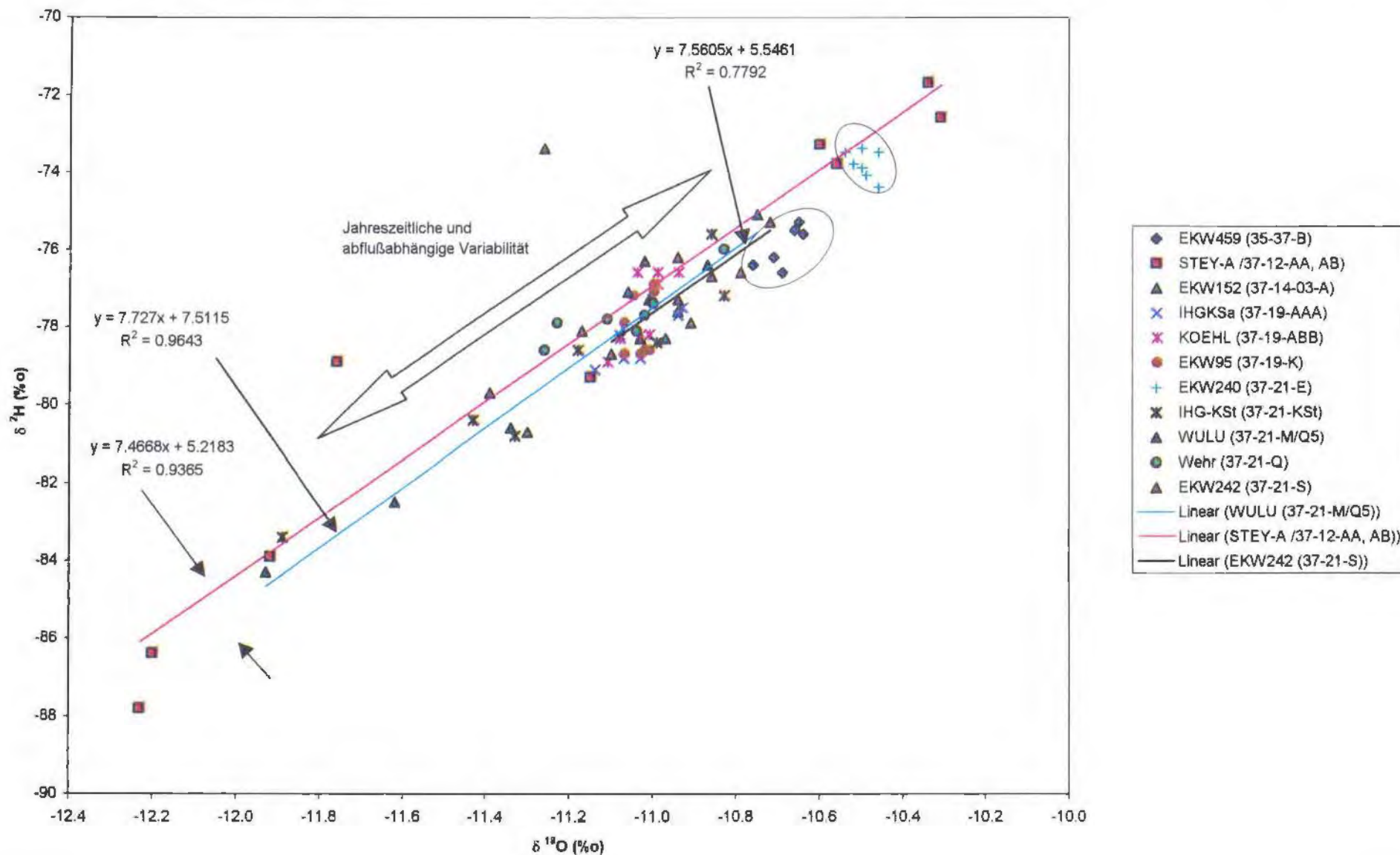
ISOTOPENGEHALTE IM NIEDERSCHLAG

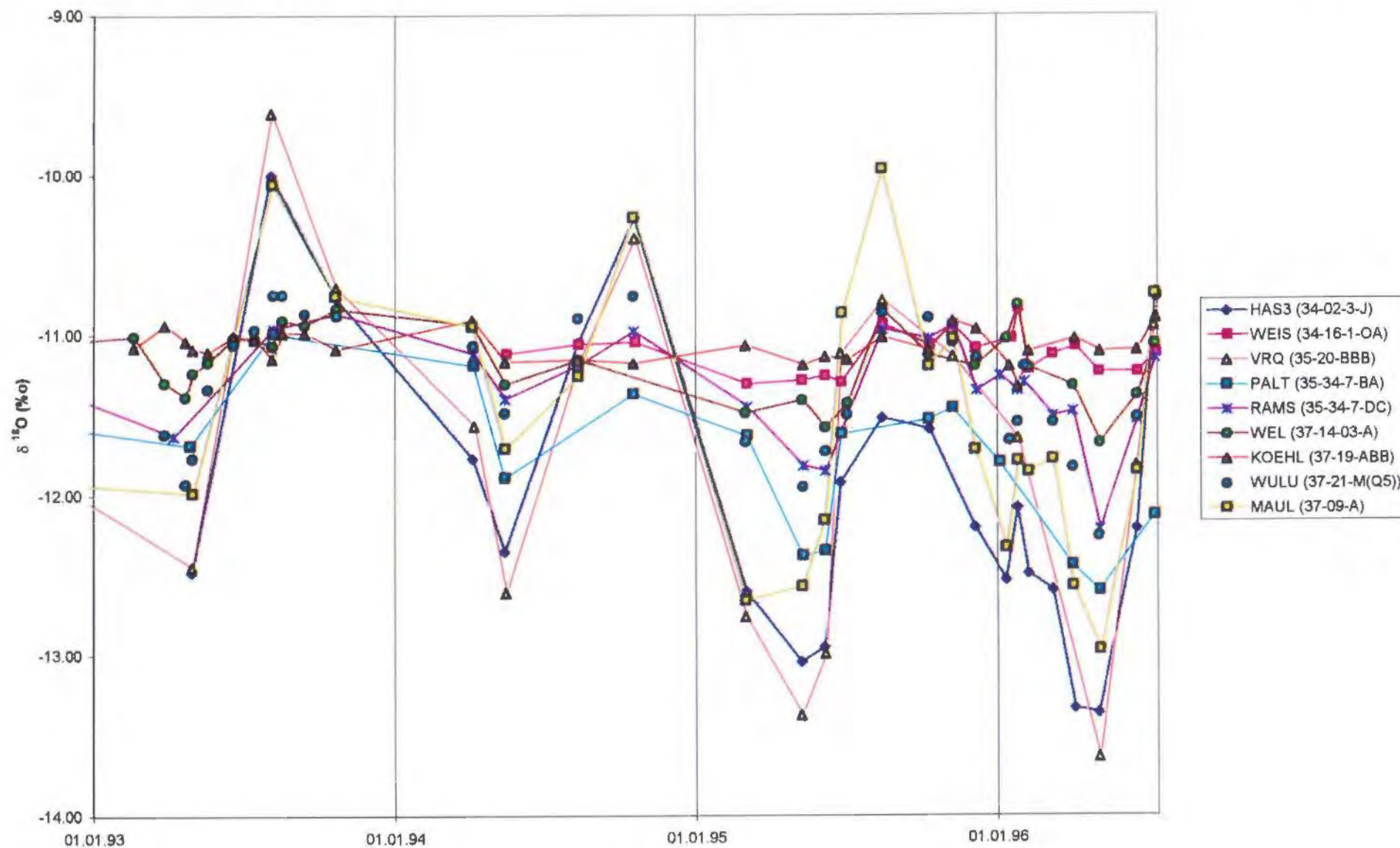
ANHANG B-3 d: NIEDERSCHLAG: HÖHENEFFEKT - SAUERSTOFF-18

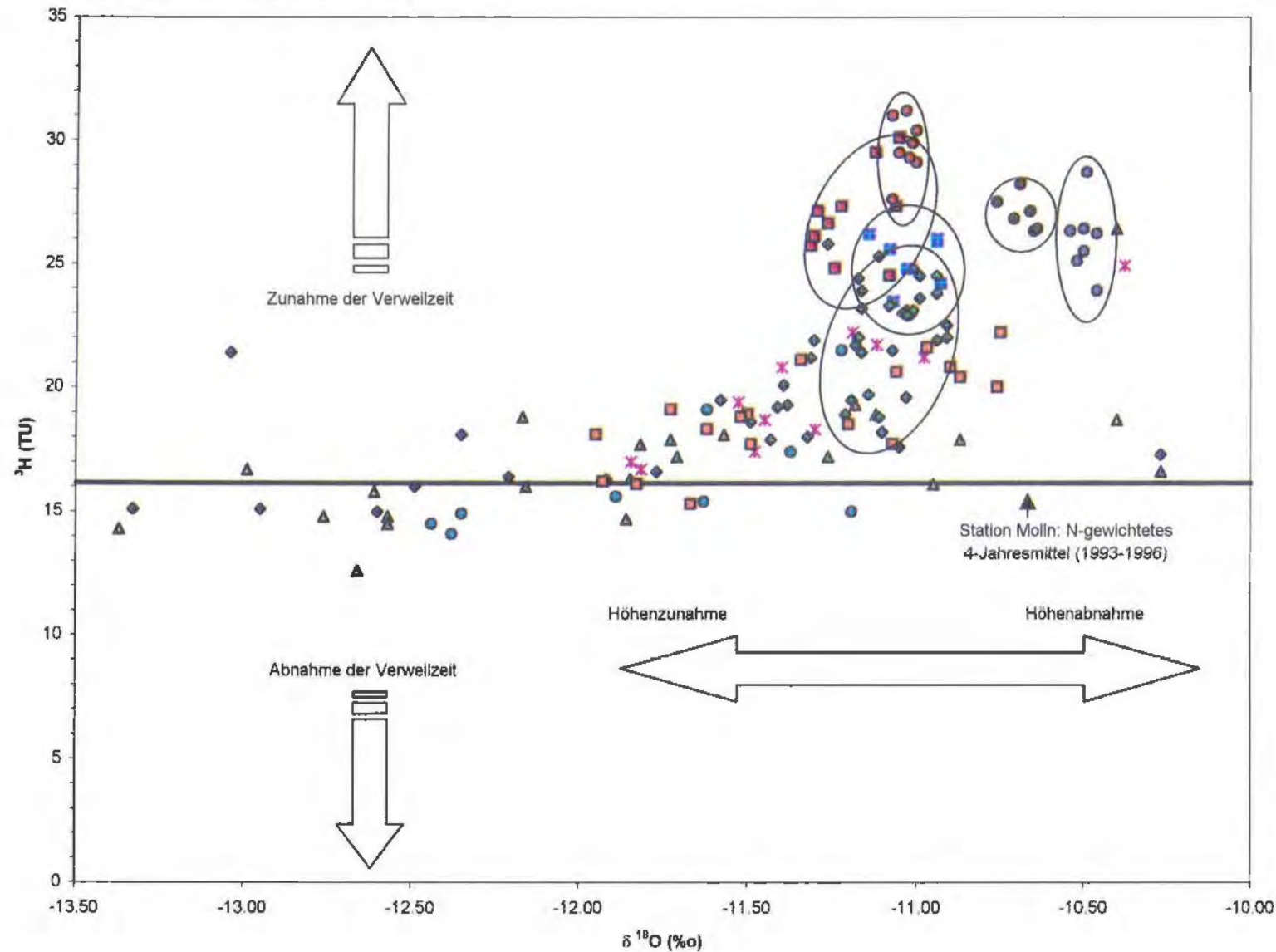
ANHANG B-3 e: NIEDERSCHLAG: ZEITREIHEN SAUERSTOFF-18

ANHANG B-3 f: NIEDERSCHLAG: TRITIUM, STATION MOLLN/BREITENAU

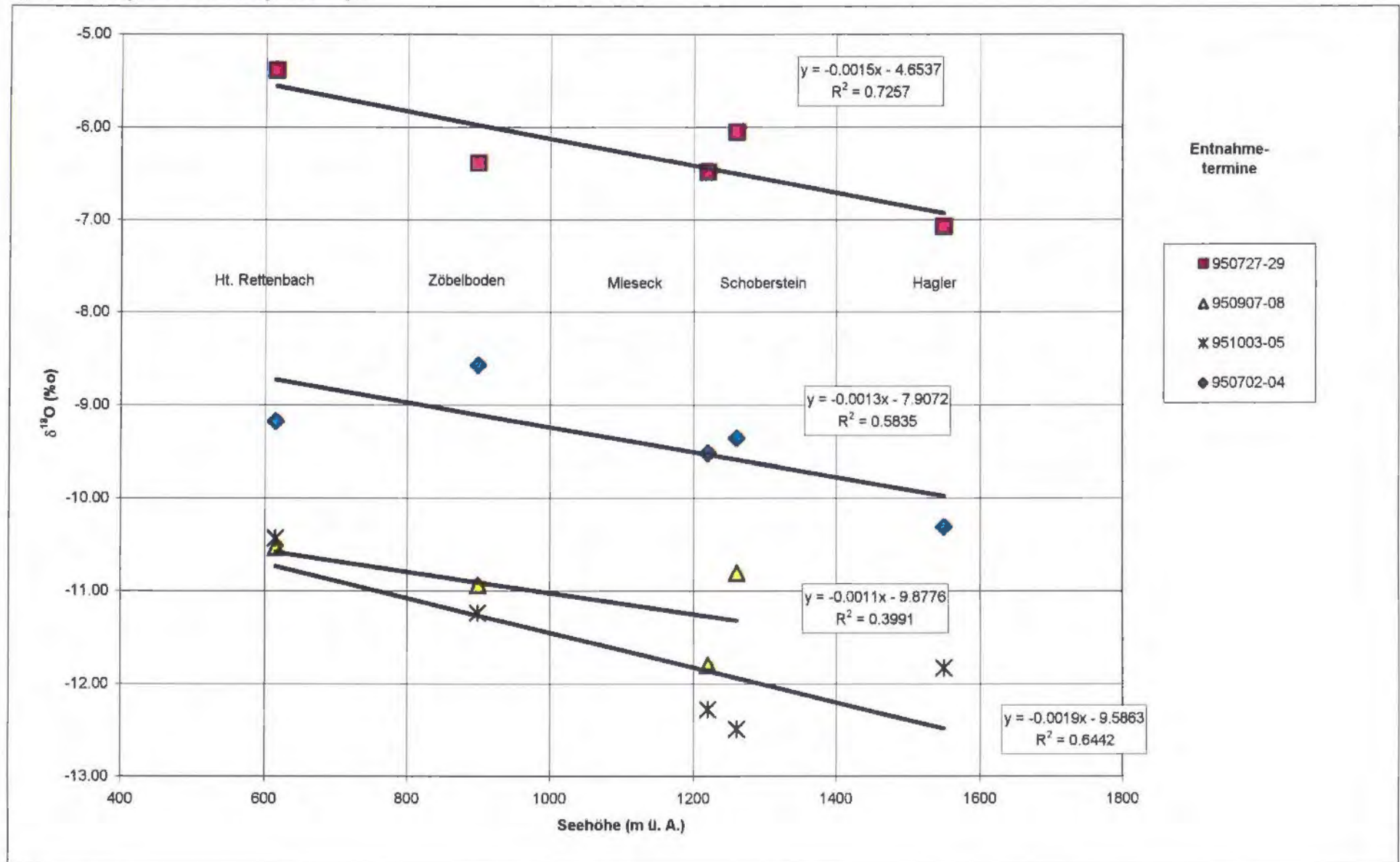
**ANHANG B-3 g: NIEDERSCHLAG: TRITIUM, STATIONEN DES ENNSKRAFTWERKE-
PROJEKTS "PUMPSPEICHER MOLLN"**

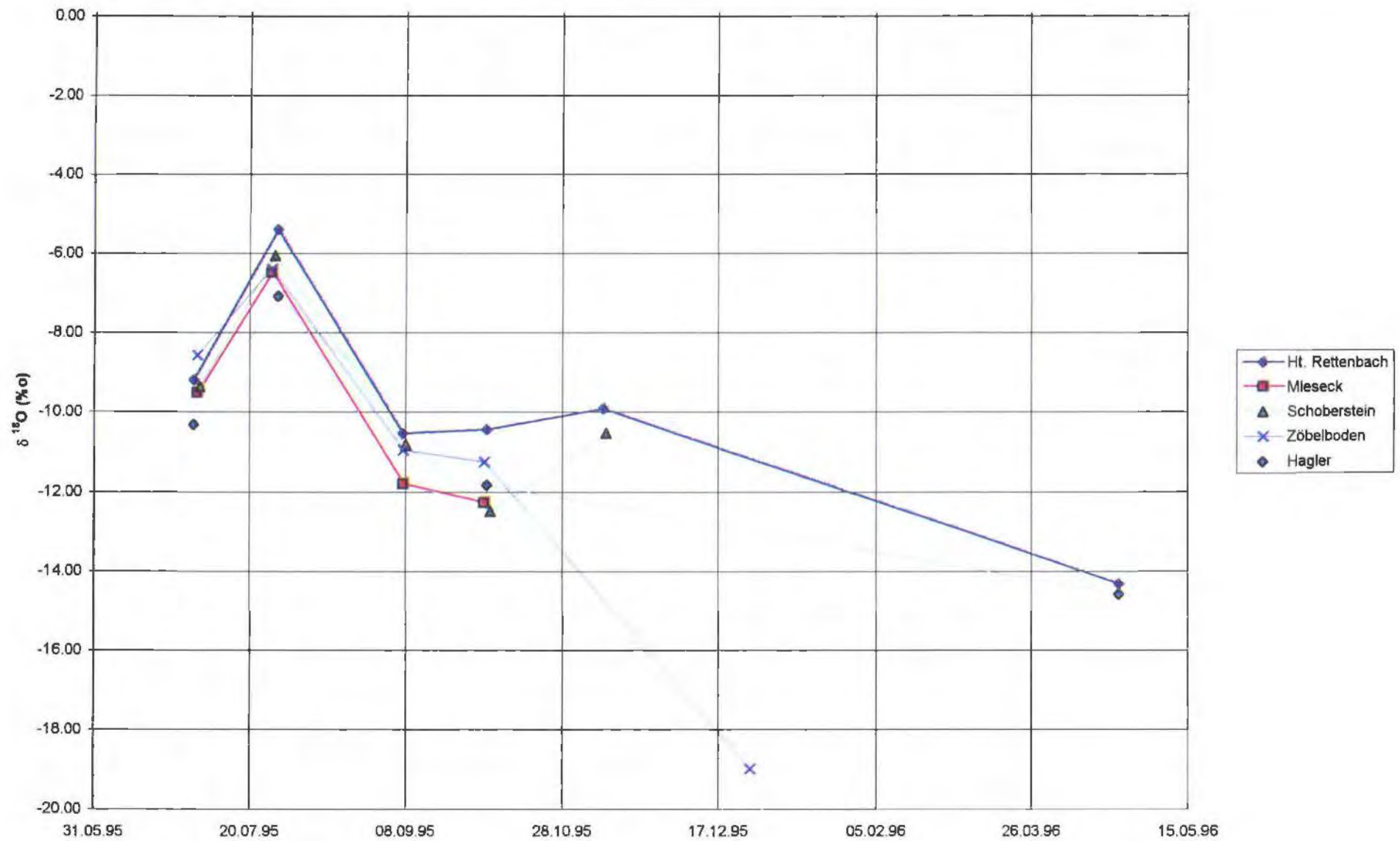


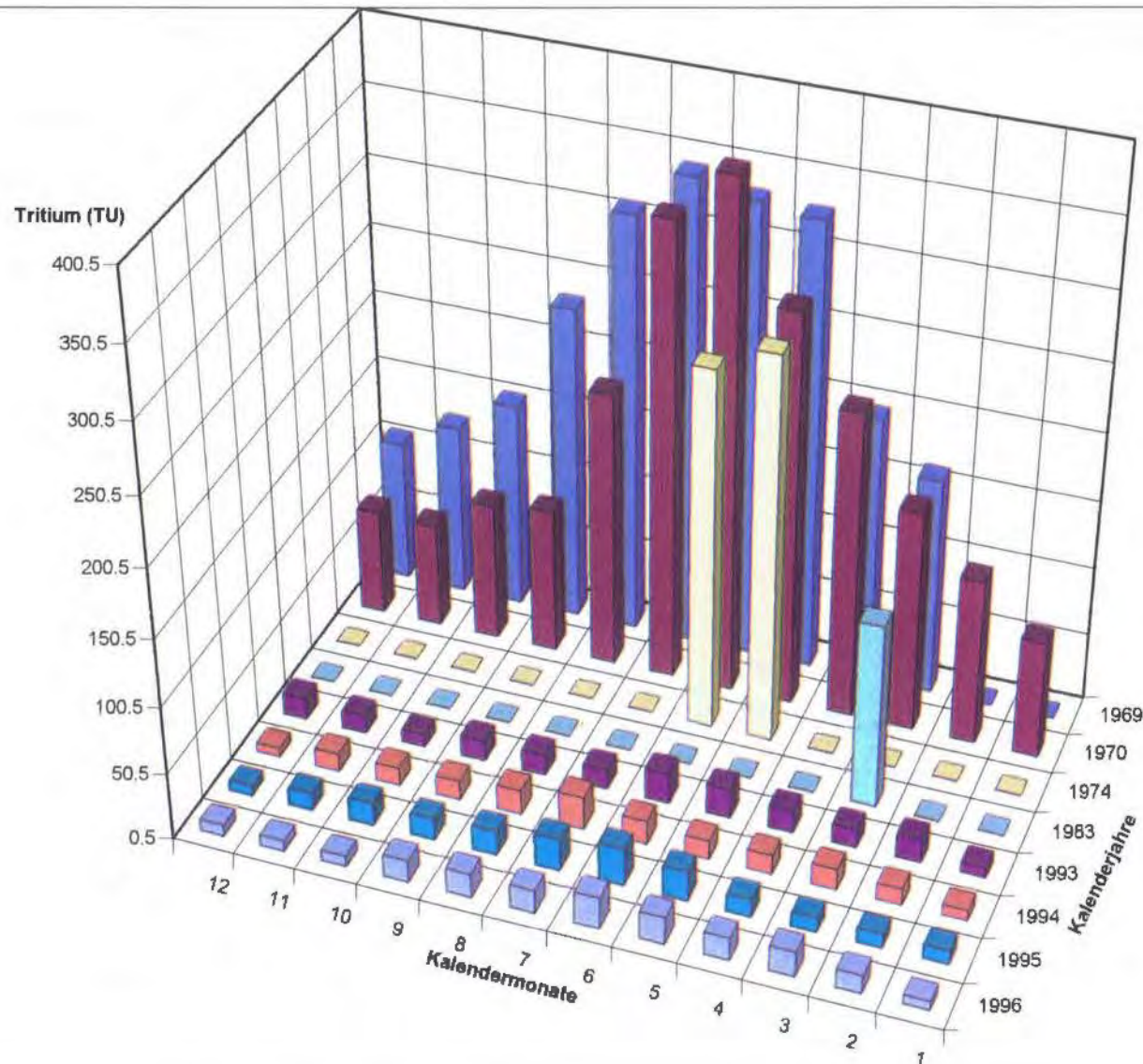




- ◆ HAS3 (34-02-3-J)
- WEIS (34-16-1-OA)
- ▲ VRQ (35-20-BBB)
- PALT (35-34-7-BA)
- ✱ RAMS (35-34-7-DA)
- ▲ MAUL (37-09-A)
- ◆ WEL (37-14-03-A)
- IHG-Ksa (37-19-AAA)
- ◆ KOEHL (37-19-ABB)
- EKW95 (37-19-K)
- EKW240 (37-21-E)
- WULU (37-21-M(Q5))
- EKW459 (35-37-B)







Tritium im
 Niederschlag
 Station: N-87
 Molln/Breitenau
 510 m Sh.

