

Grundwasserstände

Nr. 2207 Winzwilen - Menzingen

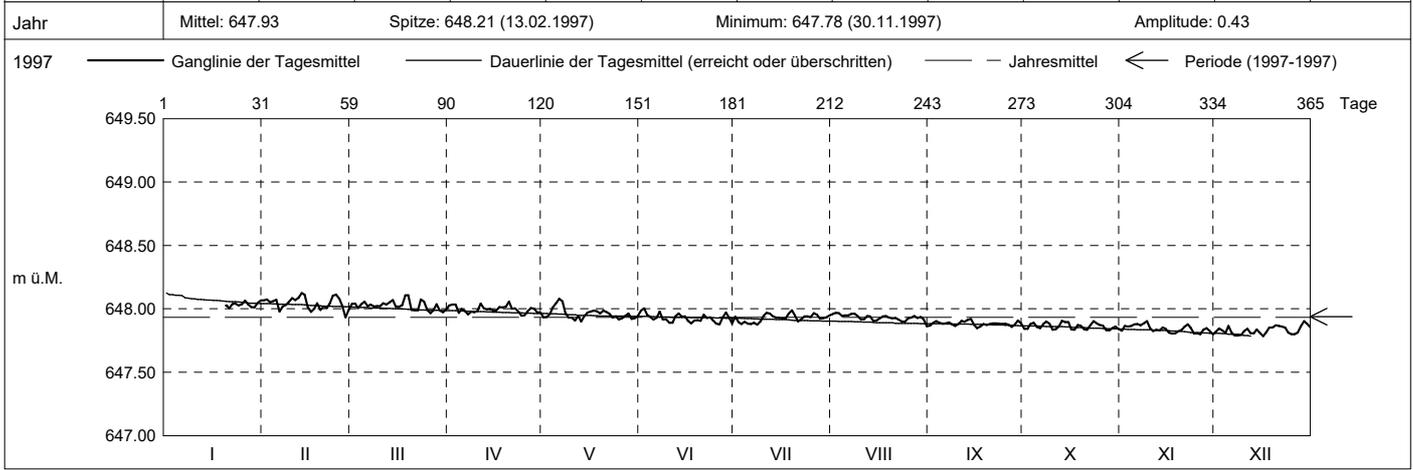
KANTON ZUG

Koordinaten: 2'687'792' / 1'226'997'

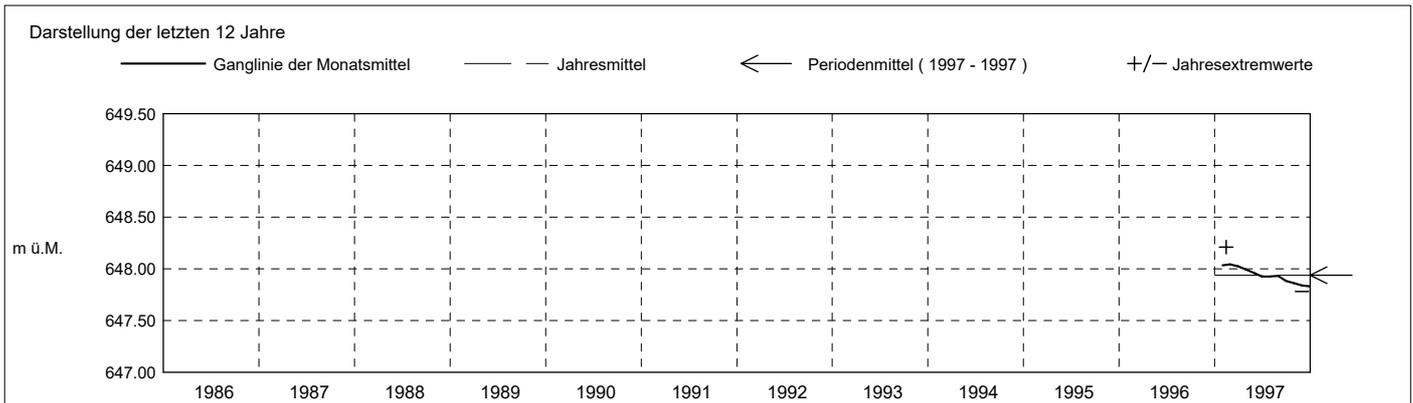
Amt für Umwelt

Abstichpunkt: 673.29 m ü.M. OK Terrain: 673.63 m ü.M.

1997	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember		
Tagesmittel	1 2 3 4 5 6 7 8 9 10	648.07 648.07 648.05 648.06 648.07	648.04 648.04 648.01 648.04 648.06	648.03 648.03 648.03 647.97 648.00	647.93 647.94 647.96 648.01 647.91	647.98 648.00 + 647.95 647.94 647.91	647.94 647.90 647.88 - 647.90 647.88 -	647.96 647.97 + 647.96 647.94 647.95	647.87 647.89 647.90 647.89 647.88	647.84 647.84 647.88 647.89 647.86	647.83 647.86 647.86 647.88 647.88	647.82 647.84 647.86 647.81 647.87	1 2 3 4 5	
m ü.M.	11 12 13 14 15	648.07 648.09 648.12 + 648.11 648.01	648.04 648.03 648.05 648.07 648.02	648.04 648.00 647.99 648.00 647.99	647.91 647.94 647.90 - 647.94 647.97	647.89 647.94 647.96 647.94 647.94	647.97 647.96 647.94 647.93 647.93	647.92 647.94 647.94 647.90 647.91	647.91 647.90 647.91 647.92 + 647.89	647.84 647.86 647.90 + 647.90 + 647.87	647.82 647.83 647.83 647.85 647.84	647.81 647.81 647.81 647.84 647.81	11 12 13 14 15	
+ Maximum	16 17 18 19 20	647.98 648.00 648.04 647.99 648.03	648.02 648.03 648.11 + 648.11 + 648.02	647.99 648.01 648.01 648.02 647.99	647.98 647.99 647.98 647.96 647.99	647.91 647.98 - 647.91 647.99 + 647.91	647.92 647.94 647.96 647.93 647.95	647.92 647.94 647.94 647.93 647.93	647.85 - 647.86 647.88 647.87 647.88	647.84 647.83 - 647.87 647.87 647.84	647.81 647.82 647.80 - 647.82 647.83	647.78 - 647.82 647.85 647.82 647.83	16 17 18 19 20	
- Minimum	21 22 23 24 25	648.01 - 648.04 648.04 648.03 648.04	647.99 648.04 648.07 648.11 647.99	648.00 648.00 647.98 647.94 - 647.95	647.98 647.96 647.93 647.94 647.92	647.95 647.93 647.93 647.91 647.88 -	647.90 647.92 647.94 647.90 647.94	647.93 647.91 647.94 647.90 647.93	647.89 647.89 647.88 647.88 647.88	647.83 - 647.88 647.90 + 647.88 647.87	647.86 647.88 647.85 647.83 647.81	647.86 647.86 647.85 647.81 647.80	21 22 23 24 25	
Monatsmittel		648.03	648.04 +	648.03	648.00	647.96	647.93	647.93	647.88	647.86	647.84	647.83 -	m ü.M.	
Spitze Datum		648.08 31.	648.21 + 13.	648.15 18.	648.08 11.	648.12 6.	648.01 2.	648.00 19.	647.98 2.	647.94 14.	647.94 15.	647.91 - 8.	647.91 - 28.	m ü.M.
Amplitude		0.09 -	0.29 +	0.20	0.14	0.23	0.14	0.13	0.13	0.10	0.12	0.13	0.13	m
Jahr	Mittel: 647.93 Spitze: 648.21 (13.02.1997) Minimum: 647.78 (30.11.1997) Amplitude: 0.43													



Periode	1997 - 1997 (0 Jahre)												
Monatsmittel	648.03	648.04 +	648.03	648.00	647.96	647.93	647.93	647.93	647.88	647.86	647.84	647.83 -	m ü.M.
Monats-Spitze Jahr	648.08 1997	648.21 + 1997	648.15 1997	648.08 1997	648.12 1997	648.01 1997	648.00 1997	647.98 1997	647.94 1997	647.94 1997	647.91 - 1997	647.91 - 1997	m ü.M.
Monats-Minimum Jahr	647.99 + 1997	647.92 1997	647.95 1997	647.94 1997	647.89 1997	647.87 1997	647.87 1997	647.85 1997	647.84 1997	647.82 1997	647.78 - 1997	647.78 - 1997	m ü.M.
Monats-Amplitude Jahr	0.09 - 1997	0.29 + 1997	0.20 1997	0.14 1997	0.23 1997	0.14 1997	0.13 1997	0.13 1997	0.10 1997	0.12 1997	0.13 1997	0.13 1997	m ü.M.
Periode	Mittel: 647.94 Spitze: 648.21 (13.02.1997) Minimum: 647.78 (30.11.1997) Amplitude: 0.43												



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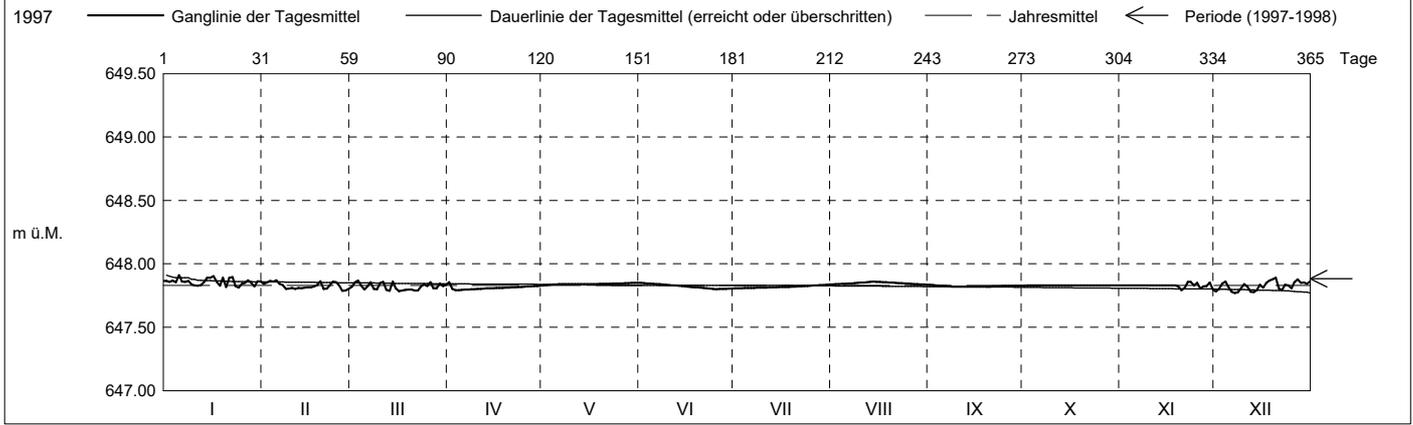
Koordinaten: 2'687'792' / 1'226'997'

Amt für Umwelt

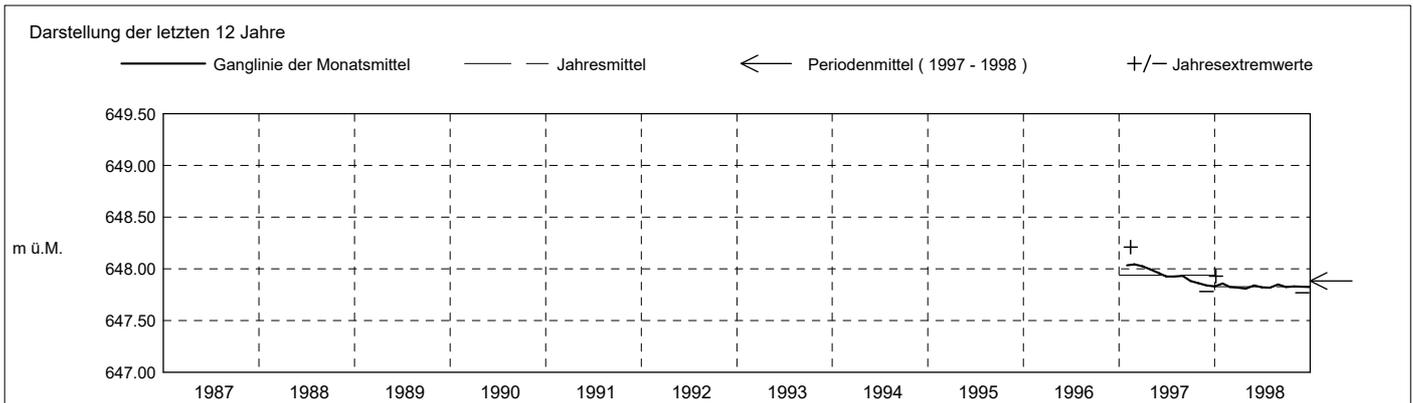
Abstichpunkt: 673.29 m ü.M. OK Terrain: 673.63 m ü.M.

1998	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1 647.87	647.84	647.82	647.85 +	647.83 -	647.85 +	647.81 -	647.84 -	647.83 +	647.83 -	647.83	647.78	1
	2 647.86	647.85	647.86	647.80	647.83 -	647.85 +	647.81 -	647.84 -	647.83 +	647.83 -	647.83	647.80	2
	3 647.87	647.86	647.87 +	647.79 -	647.83 -	647.85 +	647.81 -	647.84 -	647.83 +	647.83 -	647.83	647.84	3
	4 647.86	647.86	647.83	647.79 -	647.84	647.84	647.81 -	647.84 -	647.83 +	647.83 -	647.83	647.86	4
	5 647.91 +	647.87 +	647.80	647.79 -	647.84	647.84	647.81 -	647.84 -	647.83 +	647.83 -	647.83	647.82	5
	6 647.86	647.84	647.83	647.80	647.84	647.84	647.81 -	647.84 -	647.82 -	647.83 -	647.83	647.78	6
	7 647.86	647.83	647.85	647.80	647.84	647.84	647.81 -	647.85	647.82 -	647.83 -	647.83	647.77 -	7
	8 647.86	647.80	647.80	647.80	647.84	647.84	647.81 -	647.85	647.82 -	647.83 -	647.83	647.78	8
	9 647.84	647.81	647.80	647.80	647.84	647.84	647.81 -	647.85	647.82 -	647.83 -	647.83	647.81	9
	10 647.83	647.81	647.85	647.80	647.84	647.84	647.83	647.81 -	647.85	647.82 -	647.83 -	647.83	647.84
m ü.M.	11 647.83	647.80	647.86	647.80	647.84	647.83	647.81 -	647.85	647.82 -	647.83 -	647.83	647.82	11
	12 647.83	647.81	647.79	647.80	647.84	647.83	647.81 -	647.86 +	647.82 -	647.83 -	647.83	647.78	12
	13 647.86	647.81	647.79	647.81	647.84	647.83	647.81 -	647.86 +	647.82 -	647.83 -	647.83	647.78	13
	14 647.89	647.81	647.86	647.81	647.84	647.82	647.82	647.86 +	647.82 -	647.83 -	647.83	647.79	14
	15 647.89	647.81	647.81	647.81	647.84	647.82	647.82	647.86 +	647.82 -	647.83 -	647.83	647.83	15
	16 647.90	647.82	647.78 -	647.81	647.84	647.82	647.82	647.86 +	647.82 -	647.83 -	647.83	647.81	16
	17 647.86	647.82	647.79	647.81	647.84	647.82	647.82	647.86 +	647.82 -	647.83 -	647.83	647.85	17
	18 647.83	647.83	647.79	647.81	647.84	647.82	647.82	647.85	647.82 -	647.83 -	647.83	647.87	18
	19 647.89	647.86	647.80	647.81	647.84	647.81	647.82	647.85	647.82 -	647.83 -	647.82	647.88	19
	20 647.82	647.80	647.80	647.81	647.84	647.81	647.82	647.85	647.82 -	647.83 -	647.79 -	647.89 +	20
+ Maximum	21 647.89	647.81	647.79	647.81	647.84	647.81	647.82	647.85	647.82 -	647.83 -	647.81	647.80	21
	22 647.90	647.83	647.79	647.82	647.84	647.81	647.82	647.85	647.82 -	647.83 -	647.86 +	647.79	22
	23 647.83	647.86	647.82	647.82	647.84	647.80 -	647.82	647.85	647.82 -	647.83 -	647.86 +	647.83	23
	24 647.81 -	647.86	647.84	647.82	647.84	647.80 -	647.83	647.85	647.82 -	647.83 -	647.83	647.83	24
	25 647.84	647.83	647.82	647.82	647.85 +	647.80 -	647.83	647.84 -	647.82 -	647.83 -	647.85	647.81	25
	26 647.85	647.79 -	647.85	647.82	647.85 +	647.80 -	647.83	647.84 -	647.82 -	647.83 -	647.80	647.85	26
	27 647.87	647.79 -	647.81	647.82	647.85 +	647.80 -	647.83	647.84 -	647.83 +	647.83 -	647.82	647.88	27
	28 647.85	647.80	647.81	647.82	647.85 +	647.80 -	647.83	647.84 -	647.83 +	647.83 -	647.82	647.85	28
	29 647.82	647.80	647.84	647.83	647.85 +	647.80 -	647.83	647.84 -	647.83 +	647.83 -	647.85	647.85	29
	30 647.86	647.83	647.83	647.83	647.85 +	647.81	647.83	647.84 -	647.83 +	647.83 -	647.80	647.84	30
31 647.86	647.84	647.84	647.84	647.85 +	647.85 +	647.84 +	647.84 -	647.83 -	647.83 -	647.80	647.86	31	
Monatsmittel	647.86 +	647.83	647.82	647.81 -	647.84	647.82	647.82	647.85	647.82	647.83	647.83	647.83	m ü.M.
Spitze Datum	647.93 + 5.	647.88 3.	647.87 2.	647.86 1.	647.85 31.	647.85 1.	647.84 31.	647.86 14.	647.83 1.	647.83 3.	647.87 23.	647.90 20.	m ü.M.
Amplitude	0.12	0.10	0.09	0.07	0.02	0.05	0.03	0.03	0.01	0.00 -	0.09	0.13 +	m

Jahr Mittel: 647.83 Spitze: 647.93 (05.01.1998) Minimum: 647.77 (01.12.1998) Amplitude: 0.16



Periode	1997 - 1998 (1 Jahre)												
Monatsmittel	647.95 +	647.93	647.92	647.90	647.90	647.87	647.87	647.89	647.85	647.85	647.84	647.83 -	m ü.M.
Monats-Spitze Jahr	648.08 1997	648.21 + 1997	648.15 1997	648.08 1997	648.12 1997	648.01 1997	648.00 1997	647.98 1997	647.94 1997	647.94 1997	647.91 - 1997	647.91 - 1997	m ü.M.
Monats-Minimum Jahr	647.81 1998	647.78 1998	647.78 1998	647.79 1998	647.83 + 1998	647.80 1998	647.81 1998	647.83 + 1998	647.82 1998	647.82 1997	647.78 1997	647.77 - 1998	m ü.M.
Monats-Amplitude Jahr	0.12 1998	0.29 + 1997	0.20 1997	0.14 1997	0.23 1997	0.14 1997	0.13 1997	0.13 1997	0.10 - 1997	0.12 1997	0.13 1997	0.13 1997	m ü.M.
Periode	Mittel: 647.88 Spitze: 648.21 (13.02.1997) Minimum: 647.77 (01.12.1998) Amplitude: 0.44												



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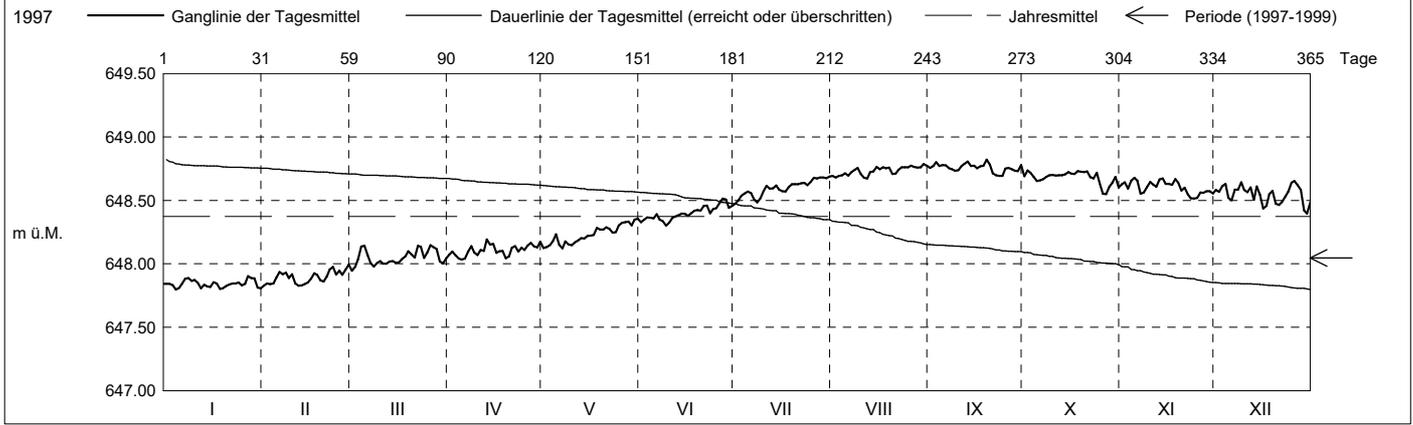
Koordinaten: 2'687'792' / 1'226'997'

Amt für Umwelt

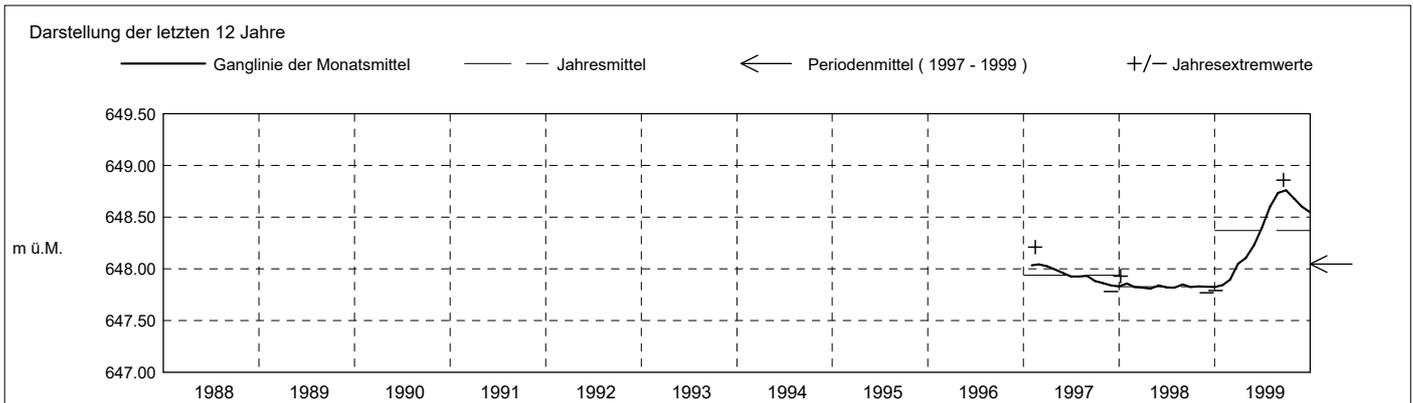
Abstichpunkt: 673.29 m ü.M. OK Terrain: 673.63 m ü.M.

1999	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1 647.84	647.83 -	647.95 -	648.07	648.12 -	648.33	648.47 -	648.69	648.76	648.69	648.63	648.58	1
	2 647.84	647.85	647.98	648.10	648.13	648.35	648.50	648.68	648.77	648.74 +	648.64	648.57	2
	3 647.83	647.84	648.04	648.07	648.15	648.37	648.54	648.69	648.80	648.72	648.59	648.61	3
	4 647.80 -	647.85	648.14	648.04	648.18	648.36	648.56	648.70	648.77	648.69	648.66	648.63	4
	5 647.81	647.89	648.14	648.03 -	648.23	648.36	648.57	648.71	648.78	648.65	648.68 +	648.52	5
	6 647.84	647.93	648.07	648.04	648.15	648.39	648.56	648.70	648.78	648.66	648.66	648.50	6
	7 647.88	647.92	648.01	648.10	648.12 -	648.35	648.51	648.72	648.75	648.67	648.55	648.59	7
	8 647.89	647.93	647.98	648.14	648.18	648.34	648.48	648.74	648.75	648.69	648.56	648.59	8
	9 647.87	647.89	648.01	648.09	648.15	648.30 -	648.52	648.76	648.73	648.70	648.61	648.64	9
	10 647.87	647.92	648.02	648.07	648.15	648.33	648.57	648.71	648.74	648.70	648.65	648.58	10
m ü.M.	11 647.85	647.84	648.00	648.11	648.17	648.36	648.62	648.68	648.77	648.70	648.62	648.57	11
	12 647.81	647.83 -	648.00	648.10	648.18	648.37	648.59	648.67 -	648.79	648.70	648.61	648.60	12
	13 647.83	647.83 -	648.02	648.19 +	648.20	648.38	648.60	648.72	648.81	648.70	648.66	648.51	13
	14 647.82	647.84	648.02	648.15	648.20	648.40	648.62	648.73	648.77	648.71	648.67	648.61	14
	15 647.82	647.85	648.01	648.16	648.22	648.39	648.59	648.76	648.77	648.72	648.63	648.55	15
	16 647.85	647.88	648.01	648.09	648.22	648.38	648.57	648.75	648.75	648.71	648.63	648.44	16
	17 647.84	647.93	648.04	648.10	648.23	648.40	648.57	648.76	648.77	648.71	648.62	648.46	17
	18 647.80 -	647.91	648.06	648.10	648.28	648.42	648.60	648.75	648.77	648.73	648.67	648.55	18
	19 647.81	647.87	648.10	648.04	648.27	648.42	648.63	648.76	648.82 +	648.73	648.64	648.57	19
	20 647.82	647.86	648.07	648.06	648.27	648.42	648.63	648.71	648.78	648.72	648.58	648.47	20
+ Maximum	21 647.84	647.90	648.05	648.13	648.29	648.46	648.63	648.71	648.71	648.73	648.60	648.46	21
	22 647.84	647.96	648.14	648.14	648.27	648.46	648.63	648.74	648.70	648.68	648.55	648.49	22
	23 647.85	647.98	648.13	648.10	648.25	648.40	648.64	648.76	648.69 -	648.67	648.52	648.53	23
	24 647.85	647.91	648.05	648.13	648.25	648.43	648.62	648.76	648.69 -	648.72	648.51 -	648.57	24
	25 647.83	647.95	648.09	648.11	648.30	648.44	648.64	648.76	648.75	648.64	648.52	648.64	25
	26 647.84	647.91	648.15 +	648.14	648.32	648.48	648.68	648.77	648.76	648.55 -	648.56	648.65 +	26
	27 647.90 +	647.95	648.13	648.16	648.33	648.52 +	648.67	648.76	648.75	648.55 -	648.56	648.62	27
	28 647.89	647.99 +	648.12	648.14	648.33	648.51	648.68	648.76	648.73	648.61	648.57	648.58	28
	29 647.89		648.02	648.13	648.30	648.44	648.68	648.76	648.73	648.64	648.57	648.42	29
	30 647.81		648.00	648.17	648.35	648.46	648.68	648.79 +	648.78	648.69	648.55	648.40 -	30
31 647.81		648.04		648.36 +		648.69 +			648.60		648.48	31	
Monatsmittel	647.84 -	647.89	648.05	648.11	648.23	648.40	648.60	648.73	648.76 +	648.68	648.60	648.55	m ü.M.
Spitze Datum	647.93 - 28.	648.02 23.	648.19 23.	648.23 13.	648.37 30.	648.53 28.	648.70 31.	648.81 9.	648.86 + 20.	648.77 21.	648.73 6.	648.77 26.	m ü.M.
Amplitude	0.14 -	0.20	0.25	0.21	0.26	0.24	0.24	0.15	0.20	0.24	0.22	0.39 +	m

Jahr Mittel: 648.37 Spitze: 648.86 (20.09.1999) Minimum: 647.79 (04.01.1999) Amplitude: 1.07



Periode	1997 - 1999 (2 Jahre)												
Monatsmittel	647.91 -	647.92	647.97	647.97	648.01	648.05	648.11	648.17 +	648.15	648.12	648.09	648.07	m ü.M.
Monats-Spitze Jahr	648.08 - 1997	648.21 1997	648.19 1999	648.23 1999	648.37 1999	648.53 1999	648.70 1999	648.81 1999	648.86 + 1999	648.77 1999	648.73 1999	648.77 1999	m ü.M.
Monats-Minimum Jahr	647.79 1999	647.78 1998	647.78 1998	647.79 1998	647.83 + 1998	647.80 1998	647.81 1998	647.83 + 1998	647.82 1998	647.82 1997	647.78 1997	647.77 - 1998	m ü.M.
Monats-Amplitude Jahr	0.14 - 1999	0.29 1997	0.25 1999	0.21 1999	0.26 1999	0.24 1999	0.24 1999	0.15 1999	0.20 1999	0.24 1999	0.22 1999	0.39 + 1999	m ü.M.
Periode	Mittel: 648.05 Spitze: 648.86 (20.09.1999) Minimum: 647.77 (01.12.1998) Amplitude: 1.09												



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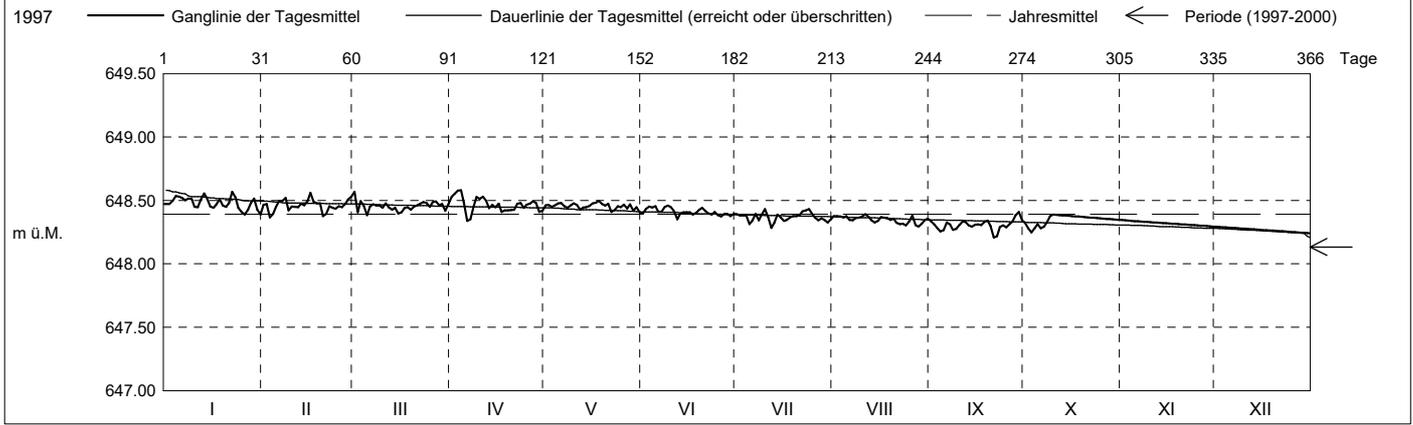
Koordinaten: 2'687'792' / 1'226'997'

Amt für Umwelt

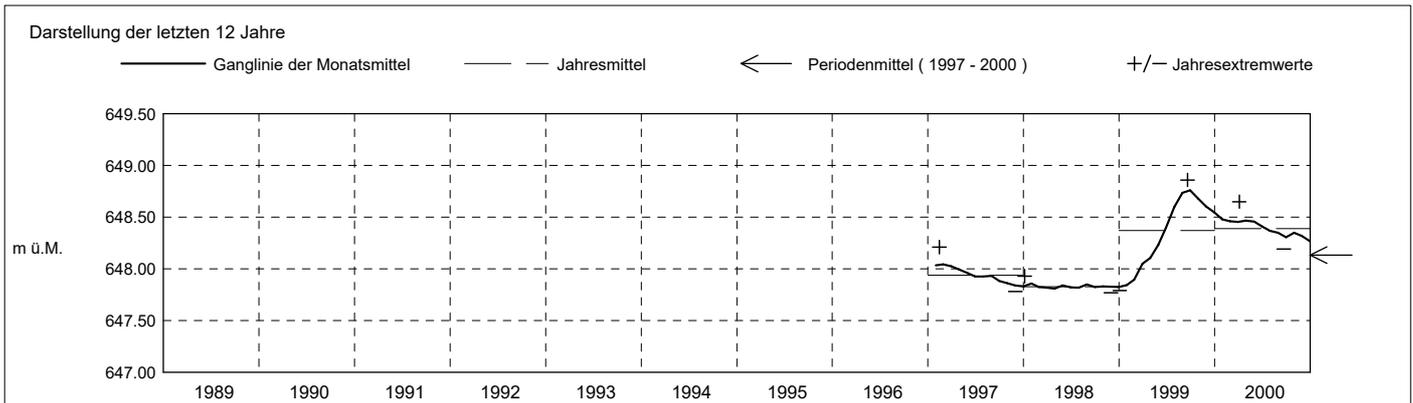
Abstichpunkt: 673.29 m ü.M. OK Terrain: 673.63 m ü.M.

2000	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1 648.47	648.46	648.57 +	648.53	648.46	648.40	648.39	648.38	648.34	648.32	648.34 +	648.29 +	1
	2 648.47	648.47	648.41	648.55	648.46	648.43	648.38	648.38	648.31	648.28	648.34 +	648.29 +	2
	3 648.50	648.37 -	648.49	648.58 +	648.45	648.45	648.38	648.37	648.28	648.25 -	648.34 +	648.29 +	3
	4 648.53	648.39	648.46	648.58 +	648.46	648.44	648.38	648.37	648.26	648.28	648.34 +	648.29 +	4
	5 648.53	648.45	648.39 -	648.48	648.48	648.46 +	648.31	648.38	648.27	648.31	648.34 +	648.29 +	5
	6 648.52	648.50	648.45	648.34 -	648.48	648.41	648.34	648.35	648.33	648.28	648.34 +	648.28	6
	7 648.50	648.50	648.47	648.35	648.45	648.41	648.40	648.34	648.31	648.29	648.33	648.28	7
	8 648.52	648.52	648.46	648.45	648.44	648.45	648.34	648.36	648.27	648.33	648.33	648.28	8
	9 648.51	648.42	648.46	648.53	648.46	648.46 +	648.39	648.36	648.28	648.38	648.33	648.28	9
	10 648.45	648.45	648.44	648.51	648.48	648.45	648.43 +	648.37	648.31	648.39 +	648.33	648.28	10
m ü.M.	11 648.45	648.45	648.48	648.53	648.46	648.41	648.37	648.39 +	648.33	648.39 +	648.33	648.28	11
	12 648.51	648.45	648.44	648.50	648.43	648.35 -	648.28 -	648.37	648.33	648.38	648.33	648.27	12
	13 648.55	648.47	648.43	648.44	648.45	648.40	648.32	648.34	648.30	648.38	648.32	648.27	13
	14 648.52	648.46	648.44	648.46	648.45	648.41	648.39	648.33	648.29	648.38	648.32	648.27	14
	15 648.45	648.49	648.40	648.45	648.46	648.41	648.37	648.34	648.31	648.38	648.32	648.27	15
	16 648.44	648.56 +	648.41	648.47	648.48	648.41	648.34	648.37	648.31	648.38	648.32	648.27	16
	17 648.47	648.49	648.44	648.41	648.48	648.39	648.34	648.36	648.30	648.37	648.32	648.27	17
	18 648.51	648.48	648.45	648.42	648.50 +	648.40	648.36	648.36	648.33	648.37	648.31	648.26	18
	19 648.46	648.48	648.43	648.42	648.47	648.43	648.38	648.35	648.34	648.37	648.31	648.26	19
	20 648.45	648.38	648.45	648.42	648.46	648.44	648.38	648.36	648.30	648.37	648.31	648.26	20
+ Maximum	21 648.48	648.39	648.46	648.43	648.47	648.42	648.39	648.32	648.21 -	648.37	648.31	648.26	21
	22 648.57 +	648.45	648.47	648.47	648.41 -	648.40	648.41	648.31	648.22	648.36	648.31	648.26	22
	23 648.52	648.44	648.49	648.48	648.42	648.39	648.42	648.32	648.29	648.36	648.31	648.25	23
	24 648.44	648.43	648.48	648.44	648.46	648.41	648.43 +	648.30	648.30	648.36	648.30	648.25	24
	25 648.41	648.45	648.45	648.47	648.45	648.39	648.40	648.33	648.29	648.36	648.30	648.25	25
	26 648.39 -	648.45	648.49	648.47	648.47	648.37	648.36	648.38	648.31	648.36	648.30	648.25	26
	27 648.43	648.47	648.49	648.49	648.44	648.39	648.34	648.30	648.33	648.35	648.30	648.25	27
	28 648.48	648.51	648.46	648.48	648.47	648.39	648.36	648.29 -	648.39	648.35	648.30	648.25	28
	29 648.51	648.53	648.47	648.41	648.42	648.38	648.34	648.32	648.41 +	648.35	648.30	648.24 -	29
	30 648.43		648.42	648.42	648.45	648.39	648.33	648.34	648.34	648.35	648.29 -	648.24 -	30
31 648.39 -		648.47	648.42	648.41 -		648.35	648.35	648.36	648.35	648.29 -	648.24 -	31	
Monatsmittel	648.48 +	648.46	648.45	648.47	648.46	648.41	648.37	648.35	648.31	648.35	648.32	648.27 -	m ü.M.
Spitze Datum	648.60 22.	648.59 16.	648.60 1.	648.65 + 4.	648.50 5.	648.48 5.	648.46 10.	648.40 2.	648.42 29.	648.39 9.	648.35 1.	648.29 - 1.	m ü.M.
Amplitude	0.23	0.25	0.23	0.35 +	0.13	0.14	0.20	0.12	0.23	0.17	0.05 -	0.05 -	m

Jahr Mittel: 648.39 Spitze: 648.65 (04.04.2000) Minimum: 648.19 (21.09.2000) Amplitude: 0.46



Periode	1997 - 2000 (3 Jahre)												
Monatsmittel	648.05 -	648.06	648.09	648.09	648.12	648.14	648.18	648.22 +	648.19	648.18	648.15	648.12	m ü.M.
Monats-Spitze Jahr	648.60 2000	648.59 2000	648.60 2000	648.65 2000	648.50 - 2000	648.53 1999	648.70 1999	648.81 1999	648.86 + 1999	648.77 1999	648.73 1999	648.77 1999	m ü.M.
Monats-Minimum Jahr	647.79 1999	647.78 1998	647.78 1998	647.79 1998	647.83 + 1998	647.80 1998	647.81 1998	647.83 + 1998	647.82 1998	647.82 1997	647.78 1997	647.77 - 1998	m ü.M.
Monats-Amplitude Jahr	0.23 2000	0.29 1997	0.25 1999	0.35 2000	0.26 1999	0.24 1999	0.24 1999	0.15 - 1999	0.23 2000	0.24 1999	0.22 1999	0.39 + 1999	m ü.M.
Periode	Mittel: 648.13 Spitze: 648.86 (20.09.1999) Minimum: 647.77 (01.12.1998) Amplitude: 1.09												



Grundwasserstände

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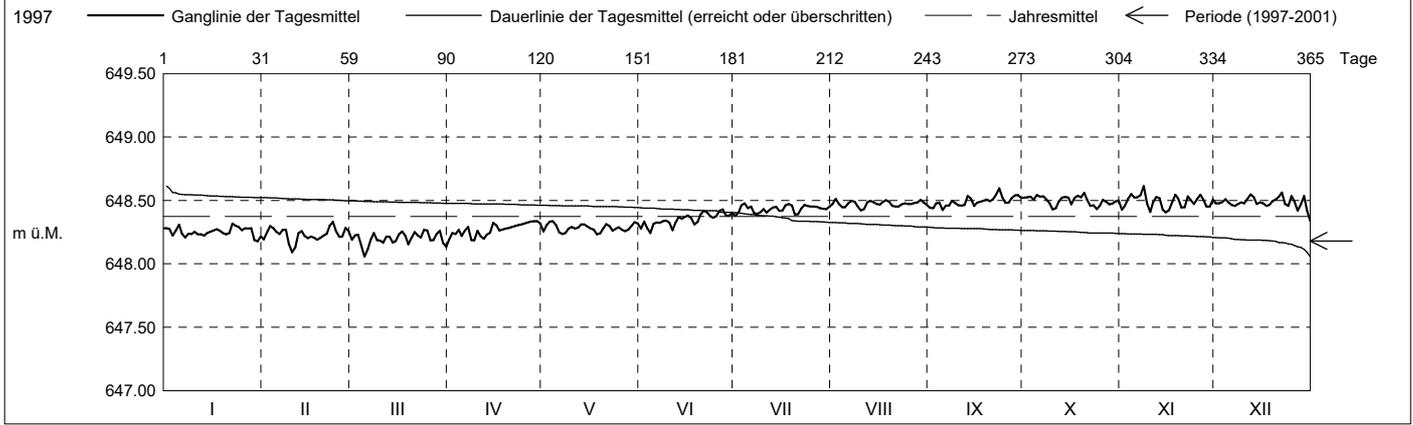
Koordinaten: 2'687'792' / 1'226'997'

Amt für Umwelt

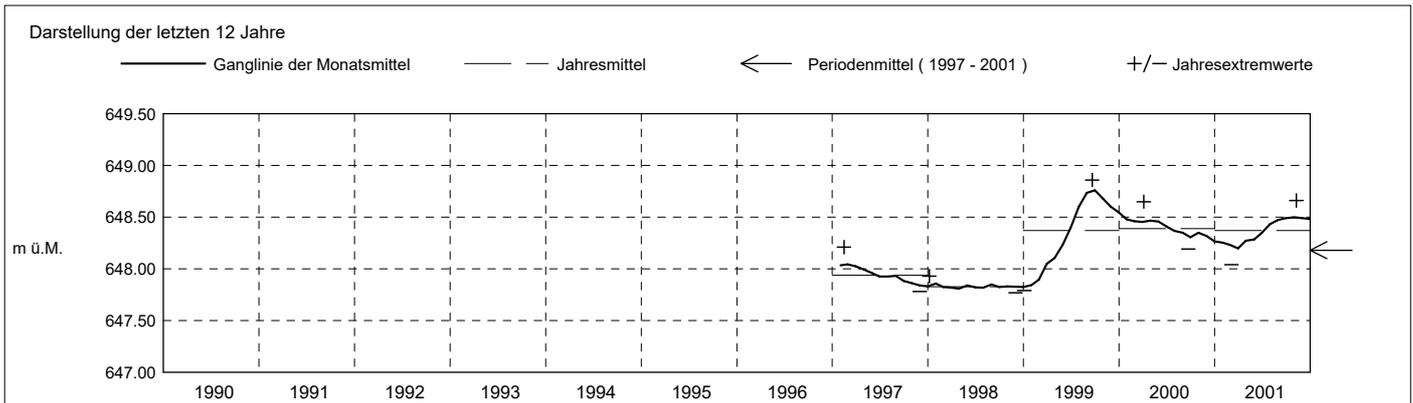
Abstichpunkt: 673.29 m ü.M. OK Terrain: 673.63 m ü.M.

2001	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1 648.28	648.19	648.19	648.19	648.26	648.28	648.38 -	648.47	648.44	648.52	648.43	648.48	1
	2 648.28	648.25	648.22	648.24	648.30	648.33	648.40	648.51 +	648.44	648.53	648.46	648.48	2
	3 648.22	648.30	648.23	648.24	648.33	648.28	648.46	648.47	648.48	648.53	648.51	648.49	3
	4 648.26	648.28	648.14	648.27	648.34 +	648.24 -	648.48 +	648.45	648.48	648.51	648.55	648.51	4
	5 648.31	648.25	648.06 -	648.22	648.30	648.32	648.44	648.45	648.42 -	648.54	648.52	648.48	5
	6 648.24	648.23	648.11	648.26	648.25	648.33	648.45	648.48	648.46	648.53	648.52	648.47	6
	7 648.21	648.27	648.19	648.29	648.23 -	648.32	648.40	648.50	648.46	648.53	648.54	648.46	7
	8 648.24	648.27	648.24	648.19	648.24	648.34	648.39	648.49	648.50	648.51	648.61 +	648.47	8
	9 648.23	648.16	648.19	648.18 -	648.28	648.34	648.41	648.46	648.48	648.48	648.48	648.48	9
	10 648.25	648.09 -	648.18	648.27	648.29	648.33	648.43	648.42 -	648.46	648.43 -	648.41 -	648.48	10
m ü.M.	11 648.23	648.13	648.17	648.22	648.28	648.27	648.40	648.43	648.46	648.44	648.49	648.51	11
	12 648.23	648.24	648.21	648.20	648.29	648.32	648.43	648.48	648.46	648.49	648.53	648.55	12
	13 648.22	648.26	648.21	648.23	648.31	648.37	648.44	648.50	648.53	648.52	648.53	648.52	13
	14 648.24	648.22	648.17	648.24	648.31	648.36	648.45	648.49	648.51	648.53	648.43	648.47	14
	15 648.25	648.20	648.18	648.32	648.29	648.37	648.42	648.47	648.46	648.52	648.41 -	648.48	15
	16 648.26	648.22	648.23	648.30	648.28	648.38	648.42	648.47	648.48	648.47	648.42	648.48	16
	17 648.27	648.21	648.26	648.26	648.27	648.36	648.46	648.49	648.49	648.52	648.48	648.46	17
	18 648.26	648.19	648.22	648.27	648.23 -	648.31	648.47	648.50	648.50	648.54	648.55	648.46	18
	19 648.24	648.20	648.15	648.28	648.24	648.33	648.46	648.49	648.51	648.53	648.51	648.49	19
	20 648.23	648.22	648.20	648.28	648.28	648.39	648.39	648.46	648.49	648.56 +	648.44	648.51	20
+ Maximum	21 648.24	648.24	648.25	648.29	648.31	648.42	648.39	648.45	648.51	648.50	648.45	648.53	21
	22 648.32 +	648.30	648.22	648.30	648.30	648.44	648.44	648.45	648.55	648.46	648.53	648.56 +	22
	23 648.30	648.33 +	648.21	648.30	648.26	648.38	648.46	648.47	648.59 +	648.46	648.50	648.47	23
	24 648.29	648.26	648.27 +	648.31	648.28	648.36	648.46	648.48	648.52	648.43 -	648.47	648.46	24
	25 648.27	648.21	648.26	648.32	648.29	648.38	648.45	648.47	648.48	648.46	648.51	648.54	25
	26 648.28	648.22	648.18	648.33	648.27	648.42	648.45	648.47	648.48	648.51	648.54	648.49	26
	27 648.28	648.28	648.19	648.33	648.26	648.41	648.45	648.48	648.53	648.51	648.51	648.42	27
	28 648.28	648.26	648.23	648.34 +	648.27	648.38	648.44	648.48	648.54	648.47	648.45	648.47	28
	29 648.19	648.26	648.26	648.34 +	648.30	648.38	648.43	648.50	648.54	648.47	648.45	648.54	29
	30 648.18 -	648.16	648.16	648.32	648.33	648.40	648.43	648.49	648.52	648.49	648.51	648.42	30
31 648.22	648.14	648.14	648.32	648.32	648.40	648.45	648.46	648.52	648.50	648.48	648.34 -	31	
Monatsmittel	648.25	648.23	648.20 -	648.27	648.28	648.35	648.43	648.47	648.49	648.50 +	648.49	648.48	m ü.M.
Spitze Datum	648.36 27.	648.35 23.	648.31 - 2.	648.36 29.	648.36 2.	648.44 21.	648.50 6.	648.54 2.	648.61 23.	648.59 20.	648.66 + 8.	648.59 22.	m ü.M.
Amplitude	0.20	0.27	0.27	0.23	0.16	0.21	0.15	0.13 -	0.19	0.18	0.27	0.29 +	m

Jahr Mittel: 648.37 Spitze: 648.66 (08.11.2001) Minimum: 648.04 (05.03.2001) Amplitude: 0.62



Periode	1997 - 2001 (4 Jahre)												
Monatsmittel	648.09 -	648.09 -	648.11	648.13	648.15	648.18	648.23	648.27 +	648.25	648.24	648.22	648.19	m ü.M.
Monats-Spitze Jahr	648.60 2000	648.59 2000	648.60 2000	648.65 2000	648.50 - 2000	648.53 1999	648.70 1999	648.81 1999	648.86 + 1999	648.77 1999	648.73 1999	648.77 1999	m ü.M.
Monats-Minimum Jahr	647.79 1999	647.78 1998	647.78 1998	647.79 1998	647.83 + 1998	647.80 1998	647.81 1998	647.83 + 1998	647.82 1998	647.82 1997	647.78 1997	647.77 - 1998	m ü.M.
Monats-Amplitude Jahr	0.23 2000	0.29 1997	0.27 2001	0.35 2000	0.26 1999	0.24 1999	0.24 1999	0.15 - 1999	0.23 2000	0.24 1999	0.27 2001	0.39 + 1999	m ü.M.
Periode	Mittel: 648.18 Spitze: 648.86 (20.09.1999) Minimum: 647.77 (01.12.1998) Amplitude: 1.09												



Grundwasserstände

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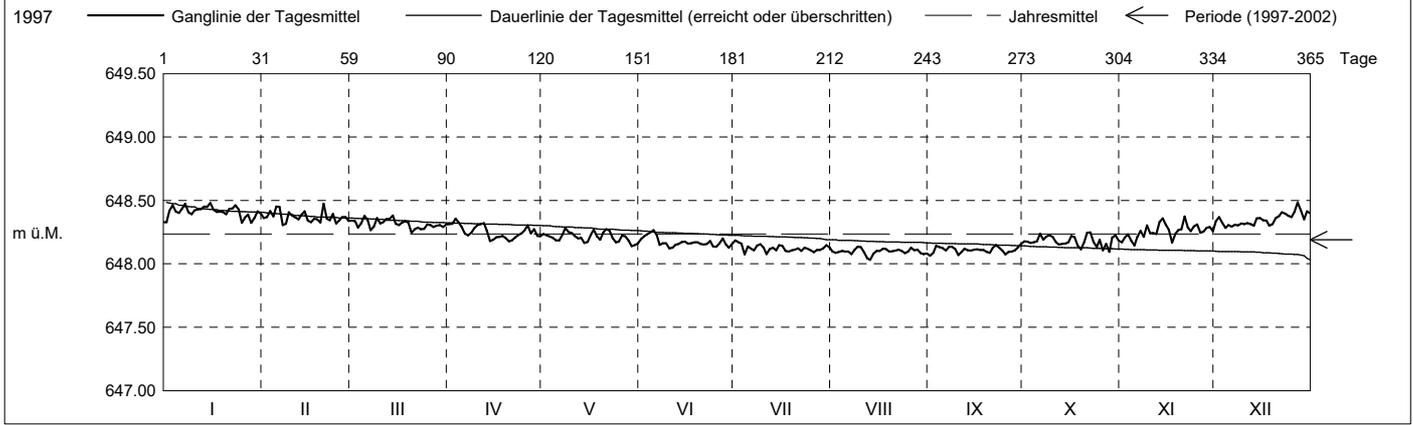
Koordinaten: 2'687'792' / 1'226'997'

Amt für Umwelt

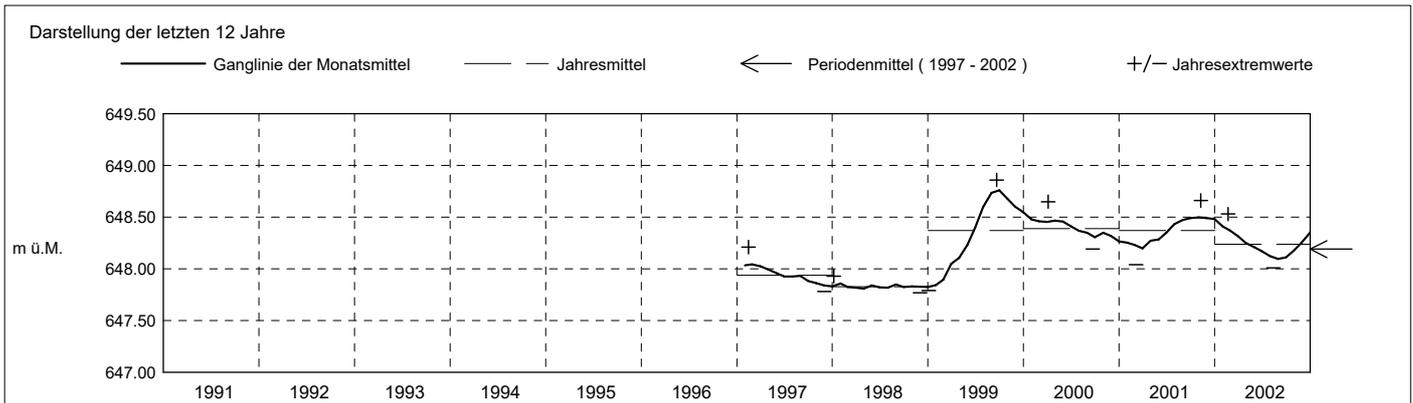
Abstichpunkt: 673.29 m ü.M. OK Terrain: 673.63 m ü.M.

2002	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1 648.33	648.36	648.34	648.31	648.23	648.19	648.19 +	648.10	648.07 -	648.18	648.17	648.34	1
	2 648.42	648.37	648.34	648.32	648.23	648.22	648.17	648.09	648.09	648.17	648.21	648.37	2
	3 648.46	648.42	648.29	648.36 +	648.22	648.23	648.16	648.09	648.14	648.16	648.23	648.32	3
	4 648.41	648.37	648.32	648.33	648.20	648.25	648.08 -	648.10	648.13	648.17	648.18	648.28 -	4
	5 648.40	648.45	648.38 +	648.29	648.18	648.27 +	648.14	648.10	648.13	648.18	648.15 -	648.31	5
	6 648.43	648.45	648.34	648.24	648.18	648.23	648.12	648.10	648.10	648.24	648.21	648.29	6
	7 648.47	648.31 -	648.27	648.23	648.23	648.15	648.11	648.08	648.13	648.19	648.26	648.31	7
	8 648.41	648.32	648.29	648.24	648.28 +	648.16	648.14	648.11	648.14	648.21	648.21	648.30	8
	9 648.39	648.41	648.36	648.28	648.25	648.16	648.16	648.14 +	648.12	648.22	648.30	648.32	9
	10 648.42	648.38	648.32	648.19	648.24	648.12 -	648.13	648.13	648.07 -	648.21	648.24	648.31	10
m ü.M.	11 648.43	648.36	648.33	648.31	648.22	648.13	648.08 -	648.09	648.09	648.17	648.24	648.32	11
	12 648.43	648.35	648.35	648.32	648.20	648.15	648.12	648.04	648.12	648.15	648.24	648.31	12
	13 648.45	648.39	648.35	648.26	648.21	648.16	648.13	648.03 -	648.11	648.16	648.33	648.30	13
	14 648.45	648.41	648.38 +	648.18 -	648.17	648.17	648.11	648.08	648.10	648.16	648.36	648.36	14
	15 648.48 +	648.34	648.32	648.19	648.17	648.17	648.15	648.10	648.11	648.17	648.31	648.36	15
	16 648.43	648.33	648.30	648.21	648.23	648.16	648.14	648.10	648.11	648.22	648.27	648.34	16
	17 648.41	648.35	648.33	648.21	648.27	648.16	648.10	648.12	648.11	648.21	648.17	648.34	17
	18 648.41	648.35	648.34	648.22	648.22	648.17	648.10	648.12	648.11	648.14	648.23	648.30	18
	19 648.41	648.33	648.33	648.20	648.19	648.17	648.11	648.11	648.10	648.09	648.11	648.27	19
	20 648.39	648.47 +	648.25 -	648.18 -	648.25	648.16	648.11	648.10	648.09	648.17	648.27	648.36	20
+ Maximum	21 648.43	648.35	648.27	648.18 -	648.27	648.15	648.12	648.10	648.13	648.24	648.37 +	648.38	21
	22 648.44	648.34	648.29	648.21	648.26	648.16	648.10	648.11	648.15	648.25 +	648.29	648.41	22
	23 648.46	648.39	648.27	648.23	648.20	648.18	648.13	648.10	648.13	648.17	648.26	648.40	23
	24 648.43	648.32	648.28	648.24	648.17	648.14	648.12	648.08	648.10	648.13	648.29	648.38	24
	25 648.32 -	648.34	648.31	648.26	648.18	648.14	648.11	648.10	648.07 -	648.19	648.31	648.37	25
	26 648.37	648.37	648.30	648.30	648.22	648.16	648.09	648.13	648.09	648.11	648.24	648.41	26
	27 648.39	648.37	648.29	648.24	648.22	648.20	648.11	648.11	648.10	648.16	648.25	648.48 +	27
	28 648.32 -	648.34	648.30	648.27	648.18	648.15	648.11	648.11	648.11	648.09 -	648.28	648.42	28
	29 648.36	648.30	648.30	648.22	648.14 -	648.13	648.12	648.09	648.13	648.21	648.29	648.35	29
	30 648.41	648.29	648.29	648.22	648.15	648.16	648.15	648.08	648.16 +	648.22	648.26	648.41	30
31 648.40	648.31	648.31	648.16	648.16	648.16	648.13	648.08	648.18	648.18	648.26	648.40	31	
Monatsmittel	648.41 +	648.37	648.31	648.25	648.21	648.17	648.12	648.10 -	648.11	648.18	648.26	648.35	m ü.M.
Spitze Datum	648.50 15.	648.53 + 20.	648.40 5.	648.37 3.	648.29 8.	648.32 5.	648.21 1.	648.15 - 10.	648.17 30.	648.28 21.	648.41 14.	648.52 27.	m ü.M.
Amplitude	0.20	0.26	0.17	0.21	0.17	0.22	0.15	0.14	0.12 -	0.21	0.27 +	0.26	m

Jahr Mittel: 648.24 Spitze: 648.53 (20.02.2002) Minimum: 648.01 (12.08.2002) Amplitude: 0.52



Periode	1997 - 2002 (5 Jahre)												
Monatsmittel	648.15	648.14 -	648.14 -	648.15	648.16	648.18	648.21	648.24 +	648.23	648.23	648.22	648.22	m ü.M.
Monats-Spitze Jahr	648.60 2000	648.59 2000	648.60 2000	648.65 2000	648.50 - 2000	648.53 1999	648.70 1999	648.81 1999	648.86 + 1999	648.77 1999	648.73 1999	648.77 1999	m ü.M.
Monats-Minimum Jahr	647.79 1999	647.78 1998	647.78 1998	647.79 1998	647.83 + 1998	647.80 1998	647.81 1998	647.83 + 1998	647.82 1998	647.82 1997	647.78 1997	647.77 - 1998	m ü.M.
Monats-Amplitude Jahr	0.23 2000	0.29 1997	0.27 2001	0.35 2000	0.26 1999	0.24 1999	0.24 1999	0.15 - 1999	0.23 2000	0.24 1999	0.27 2001	0.39 + 1999	m ü.M.
Periode	Mittel: 648.19 Spitze: 648.86 (20.09.1999) Minimum: 647.77 (01.12.1998) Amplitude: 1.09												



Grundwasserstände

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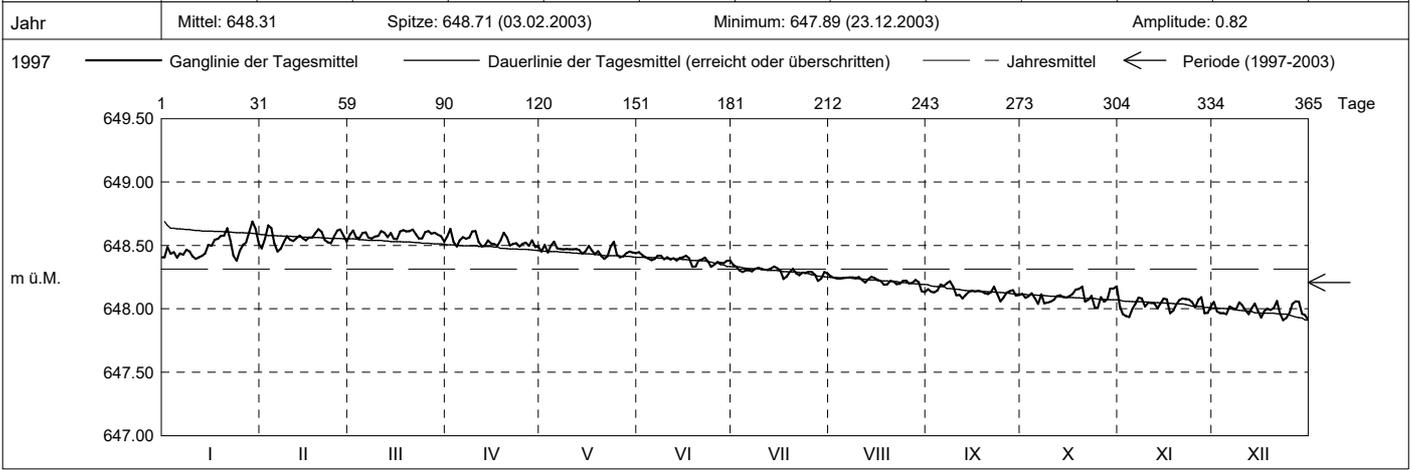
KANTON ZUG

Koordinaten: 2'687'792' / 1'226'997'

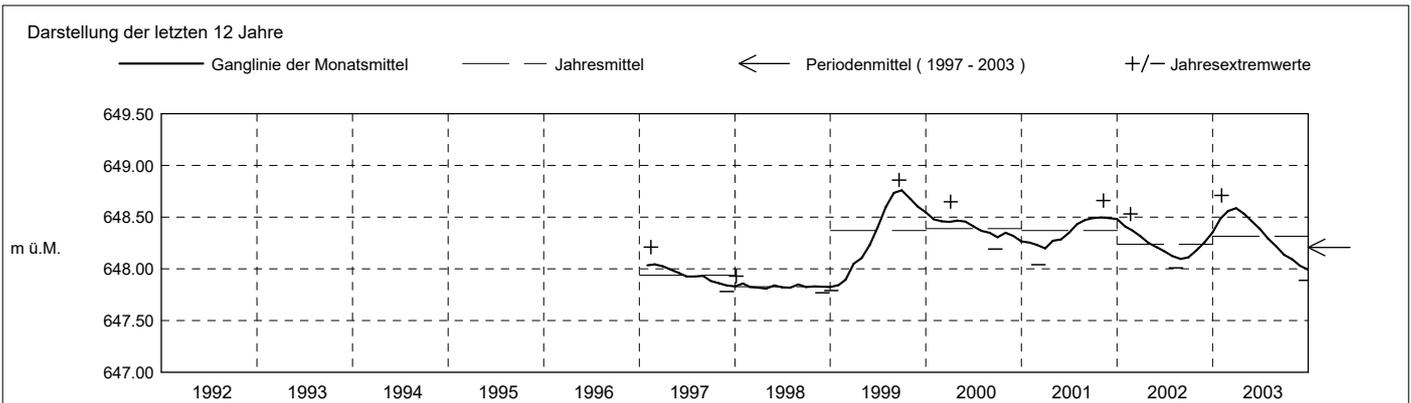
Amt für Umwelt

Abstichpunkt: 673.29 m ü.M. OK Terrain: 673.63 m ü.M.

2003	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1 648.41	648.48	648.58	648.57	648.45	648.45 +	648.35 +	648.26 +	648.15	648.12	648.02	648.05	1
	2 648.49	648.55	648.62 +	648.63 +	648.51	648.42	648.33	648.24	648.14	648.09	647.96	647.98	2
	3 648.43	648.66 +	648.57	648.53	648.44	648.41	648.30	648.24	648.13	648.10	647.94	647.97	3
	4 648.45	648.64	648.55	648.49 -	648.50	648.40	648.29	648.24	648.15	648.12	647.93 -	647.97	4
	5 648.40	648.52	648.60	648.54	648.53 +	648.38	648.30	648.24	648.19	648.09	648.00	647.96	5
	6 648.44	648.45 -	648.60	648.57	648.48	648.39	648.30	648.24	648.18	648.04	648.04	648.02	6
	7 648.43	648.47	648.56	648.55	648.47	648.42	648.30	648.25	648.20	648.11	648.09 +	648.00	7
	8 648.47	648.53	648.56	648.56	648.47	648.42	648.32	648.25	648.22 +	648.04	648.08	648.00	8
	9 648.45	648.57	648.57	648.61	648.47	648.39	648.32	648.24	648.17	648.05	648.02	648.05	9
	10 648.41	648.54	648.57	648.61	648.47	648.41	648.31	648.25	648.11	648.06	648.05	648.03	10
	11 648.40	648.54	648.61	648.53	648.47	648.39	648.31	648.23	648.11	648.07	648.05	647.99	11
	12 648.41	648.56	648.60	648.49 -	648.47	648.40	648.31	648.21	648.08	648.10	648.04	647.96	12
	13 648.42	648.58	648.57	648.50	648.46	648.38	648.32	648.23	648.11	648.11	648.00	648.01	13
m ü.M.	14 648.44	648.56	648.60	648.54	648.43	648.40	648.33	648.25	648.14	648.09	648.05	648.04	14
	15 648.50	648.54	648.55	648.51	648.45	648.41	648.32	648.24	648.14	648.09	648.08	647.98	15
	16 648.50	648.56	648.55	648.51	648.50	648.42	648.30	648.23	648.14	648.10	648.07	647.93	16
	17 648.54	648.56	648.61	648.50	648.46	648.40	648.24	648.22	648.14	648.12	647.97	647.98	17
	18 648.55	648.60	648.62 +	648.54	648.43	648.33 -	648.26	648.19	648.14	648.15	647.99	648.00	18
	19 648.58	648.63	648.61	648.60	648.45	648.33 -	648.29	648.19	648.13	648.16	648.03	647.99	19
	20 648.58	648.61	648.61	648.56	648.42	648.38	648.32	648.22	648.12	648.17	648.07	648.01	20
	21 648.63	648.54	648.62 +	648.50	648.39 -	648.39	648.28	648.21	648.13	648.06	648.08	648.06 +	21
	22 648.54	648.52	648.59	648.51	648.40	648.40	648.27	648.19	648.17	648.07	648.08	647.97	22
	23 648.42	648.52	648.56	648.52	648.49	648.37	648.29	648.20	648.12	648.10	648.07	647.91 -	23
	24 648.38 -	648.57	648.55	648.49 -	648.53 +	648.33 -	648.28	648.22	648.06 -	648.01 -	648.05	647.93	24
	25 648.46	648.62	648.60	648.51	648.43	648.35	648.29	648.22	648.09	648.01 -	648.01	647.97	25
+ Maximum	26 648.50	648.62	648.61	648.52	648.41	648.37	648.29	648.20	648.13	648.09	648.07	648.04	26
	27 648.52	648.58	648.59	648.50	648.41	648.36	648.27	648.21	648.14	648.06	648.09 +	648.06 +	27
- Minimum	28 648.61	648.53	648.60	648.54	648.44	648.36	648.22 -	648.23	648.15	648.07	647.97	648.06 +	28
	29 648.69 +	648.57	648.58	648.49 -	648.45	648.38	648.24	648.21	648.10	648.16	647.97	647.96	29
	30 648.63	648.57	648.57	648.49 -	648.44	648.38	648.29	648.14	648.11	648.16	648.02	647.95	30
	31 648.51	648.53 -	648.53 -	648.44	648.44	648.38	648.28	648.13 -	648.11	648.18 +	648.02	647.91 -	31
Monatsmittel	648.49	648.56	648.59 +	648.53	648.46	648.39	648.29	648.22	648.14	648.09	648.03	647.99 -	m ü.M.
Spitze Datum	648.70 29.	648.71 + 3.	648.64 2.	648.67 2.	648.55 24.	648.46 1.	648.36 1.	648.27 14.	648.23 7.	648.21 31.	648.12 - 27.	648.12 - 28.	m ü.M.
Amplitude	0.33 +	0.28	0.12 -	0.25	0.17	0.15	0.15	0.15	0.18	0.23	0.21	0.23	m
Jahr	Mittel: 648.31 Spitze: 648.71 (03.02.2003) Minimum: 647.89 (23.12.2003) Amplitude: 0.82												



Periode	1997 - 2003 (6 Jahre)												
Monatsmittel	648.20	648.20	648.21	648.21	648.21	648.21	648.22	648.24 +	648.22	648.21	648.20	648.19 -	m ü.M.
Monats-Spitze Jahr	648.70 2003	648.71 2003	648.64 2003	648.67 2003	648.55 2003	648.53 - 1999	648.70 1999	648.81 1999	648.86 + 1999	648.77 1999	648.73 1999	648.77 1999	m ü.M.
Monats-Minimum Jahr	647.79 1999	647.78 1998	647.78 1998	647.79 1998	647.83 + 1998	647.80 1998	647.81 1998	647.83 + 1998	647.82 1998	647.82 1997	647.78 1997	647.77 - 1998	m ü.M.
Monats-Amplitude Jahr	0.33 2003	0.29 1997	0.27 2001	0.35 2000	0.26 1999	0.24 1999	0.24 1999	0.15 - 1999	0.23 2000	0.24 1999	0.27 2001	0.39 + 1999	m ü.M.
Periode	Mittel: 648.21 Spitze: 648.86 (20.09.1999) Minimum: 647.77 (01.12.1998) Amplitude: 1.09												



Grundwasserstände

Nr. 2207 Winzwilen - Menzingen

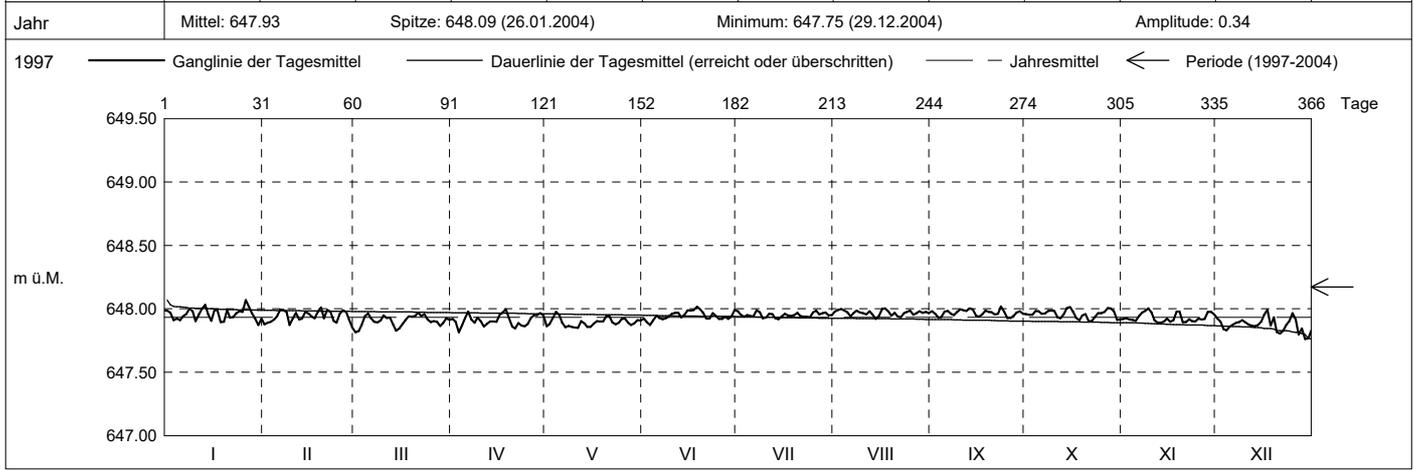
KANTON ZUG

Koordinaten: 2'687'792' / 1'226'997'

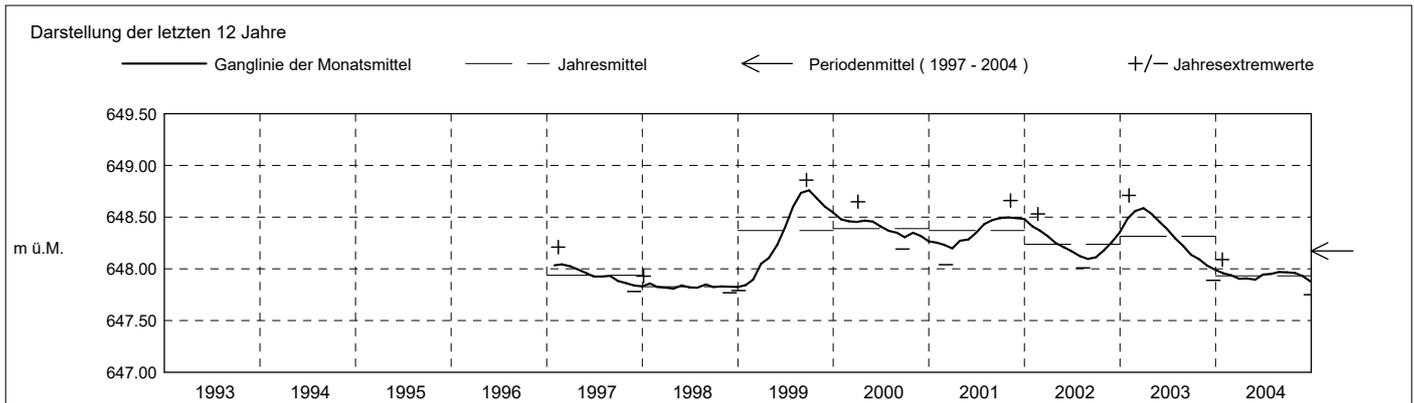
Amt für Umwelt

Abstichpunkt: 673.29 m ü.M. OK Terrain: 673.63 m ü.M.

2004	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1 647.99	647.88	647.81 -	647.92	647.86	647.92	647.98	647.98	647.98	647.96	647.92	647.93	1
	2 647.97	647.89	647.83	647.90	647.88	647.89	647.95	647.99	647.96	647.95	647.93	647.90	2
	3 647.91	647.90	647.87	647.82 -	647.93	647.87 -	647.94	648.00 +	647.93 -	647.95	647.91	647.84	3
	4 647.92	647.92	647.94	647.87	647.97 +	647.91	647.95	647.99	647.94	647.98	647.91	647.83	4
	5 647.91	647.94	647.96	647.92	647.95	647.95	647.94	647.97	647.98	647.98	647.91	647.86	5
	6 647.94	647.99	647.92	647.98	647.89	647.93	647.94	647.94	647.98	647.96	647.94	647.88	6
	7 647.96	647.99	647.90	647.91	647.85 -	647.92	647.99 +	647.97	647.96	647.96	647.97	647.89	7
	8 648.00	647.97	647.89	647.89	647.86	647.92	647.97	647.99	647.95	647.98	647.98	647.89	8
	9 647.98	647.87	647.91	647.93	647.86	647.94	647.93	647.97	647.98	647.99	648.00 +	647.91	9
	10 647.90	647.92	647.95	647.90	647.85 -	647.96	647.93	647.97	648.00	647.98	647.97	647.89	10
m ü.M.	11 647.95	647.97	647.93	647.86	647.85 -	647.97	647.96	647.96	647.99	647.93	647.91	647.88	11
	12 648.00	647.92	647.93	647.88	647.90	647.97	647.96	647.98	647.92	647.92	647.89 -	647.87	12
	13 648.03	647.92	647.88	647.90	647.89	647.93	647.92 -	647.96	648.00	647.96	647.89 -	647.86	13
	14 647.96	647.98	647.83	647.90	647.86	647.95	647.92 -	647.92 -	647.99	648.01 +	647.90	647.87	14
	15 647.91	647.96	647.84	647.90	647.86	647.99	647.94	647.94	647.95	648.01 +	647.92	647.90	15
	16 647.99	647.94	647.88	647.95	647.88	647.99	647.96	648.00 +	647.94	647.98	647.90	647.95	16
	17 647.99	647.92	647.91	647.97	647.90	647.99	647.95	648.00 +	647.96	647.93	647.91	647.99 +	17
	18 647.90	647.98	647.94	648.00 +	647.90	648.02 +	647.94	647.98	647.99	647.91	647.98	647.87	18
	19 647.90	648.01 +	647.94	647.92	647.90	648.00	647.95	647.95	647.98	647.95	647.98	647.93	19
	20 647.99	647.93	647.94	647.86	647.94	647.97	647.97	647.97	647.97	647.96	647.90	647.82	20
+ Maximum	21 647.93	647.99	647.97 +	647.85	647.95	647.92	647.94	647.94	647.96	647.90 -	647.89 -	647.80	21
	22 647.93	647.98	647.94	647.89	647.89	647.92	647.94	647.93	647.96	647.91	647.92	647.83	22
	23 647.97	647.90	647.96	647.87	647.88	647.96	647.94	647.97	648.02 +	647.93	647.90	647.88	23
	24 647.98	647.89	647.91	647.86	647.89	647.95	647.93	647.97	647.98	647.98	647.90	647.90	24
	25 647.98	647.96	647.89	647.88	647.92	647.92	647.97	647.99	647.93 -	647.96	647.92	647.96	25
	26 648.07 +	647.99	647.90	647.93	647.92	647.92	647.98	647.95	647.93 -	647.97	647.92	647.91	26
	27 648.02	647.97	647.90	647.95	647.89	647.94	647.96	647.97	647.94	648.01 +	647.92	647.80	27
	28 647.97	647.91	647.86	647.95	647.87	647.92	647.96	647.98	647.97	648.00	647.98	647.84	28
	29 647.92	647.85 -	647.89	647.97	647.89	647.94	647.97	647.97	647.98	647.98	647.97	647.76 -	29
	30 647.87 -		647.92	647.95	647.91	647.99	647.95	647.97	647.96	647.91	647.96	647.77	30
31 647.92		647.91	647.91	647.91	647.91	647.95	647.96	647.96	647.92	647.96	647.83	31	
Monatsmittel	647.96	647.94	647.91	647.91	647.89	647.95	647.95	647.97 +	647.97 +	647.96	647.93	647.87 -	m ü.M.
Spitze Datum	648.09 + 26.	648.04 19.	647.98 - 21.	648.03 18.	648.00 4.	648.02 18.	648.01 1.	648.02 12.	648.05 23.	648.04 15.	648.08 19.	648.06 17.	m ü.M.
Amplitude	0.26	0.21	0.18	0.23	0.16	0.16	0.10 -	0.12	0.13	0.16	0.21	0.31 +	m
Jahr	Mittel: 647.93 Spitze: 648.09 (26.01.2004) Minimum: 647.75 (29.12.2004) Amplitude: 0.34												



Periode	1997 - 2004 (7 Jahre)												
Monatsmittel	648.17	648.17	648.17	648.17	648.17	648.18	648.19	648.20 +	648.18	648.18	648.16	648.15 -	m ü.M.
Monats-Spitze Jahr	648.70 2003	648.71 2003	648.64 2003	648.67 2003	648.55 2003	648.53 - 1999	648.70 1999	648.81 1999	648.86 + 1999	648.77 1999	648.73 1999	648.77 1999	m ü.M.
Monats-Minimum Jahr	647.79 1999	647.78 1998	647.78 1998	647.79 1998	647.83 + 1998	647.80 1998	647.81 1998	647.83 + 1998	647.82 1998	647.82 1997	647.78 1997	647.75 - 2004	m ü.M.
Monats-Amplitude Jahr	0.33 2003	0.29 1997	0.27 2001	0.35 2000	0.26 1999	0.24 1999	0.24 1999	0.15 - 1999	0.23 2000	0.24 1999	0.27 2001	0.39 + 1999	m ü.M.
Periode	Mittel: 648.17 Spitze: 648.86 (20.09.1999) Minimum: 647.75 (29.12.2004) Amplitude: 1.11												



Grundwasserstände

Nr. 2207 Winzwilen - Menzingen

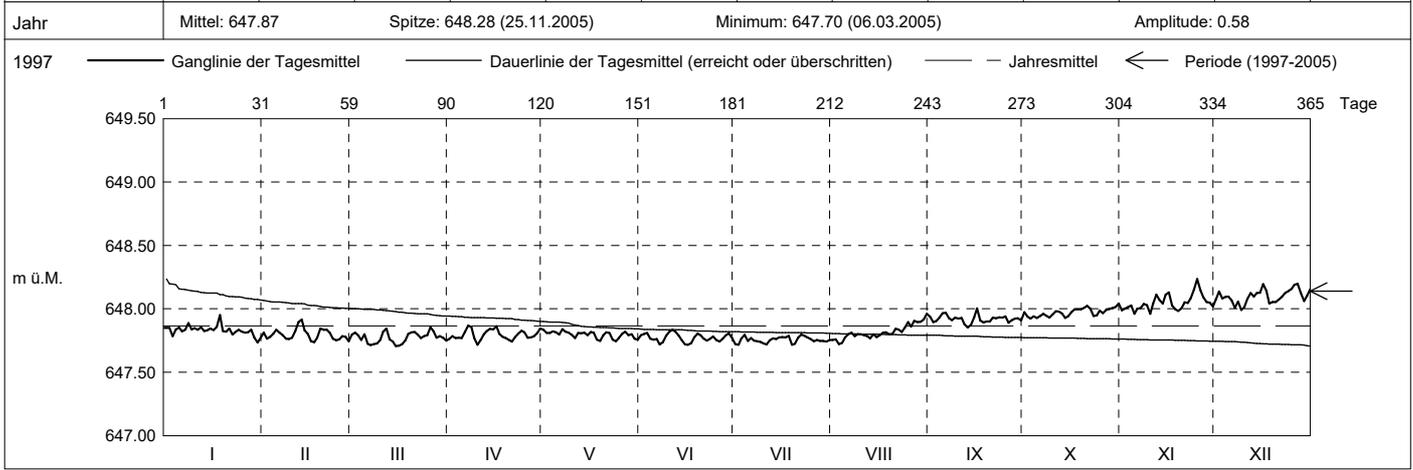
KANTON ZUG

Koordinaten: 2'687'792' / 1'226'997'

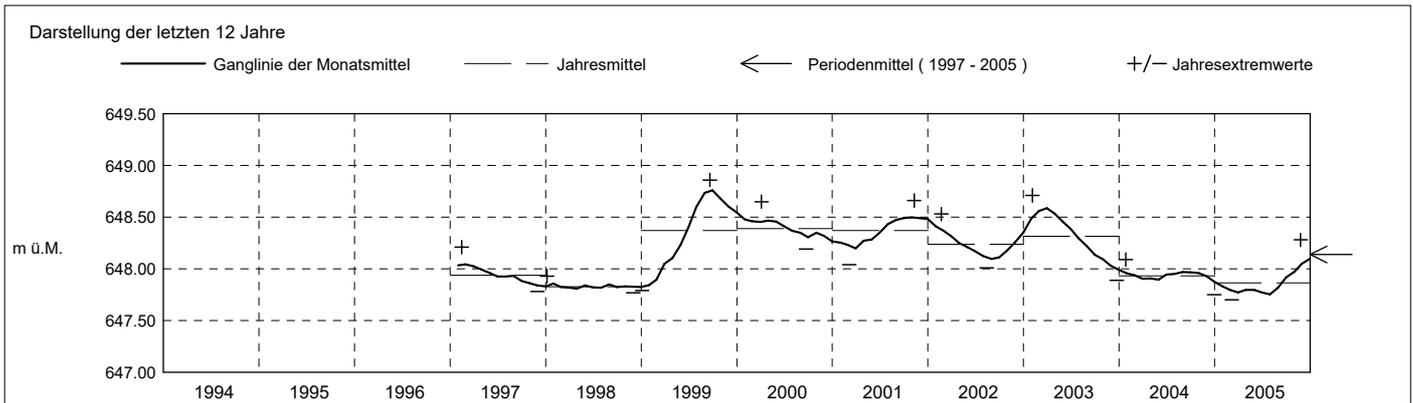
Amt für Umwelt

Abstichpunkt: 673.29 m ü.M. OK Terrain: 673.63 m ü.M.

2005	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember																																				
Tagesmittel	1 647.85	647.81	647.80	647.76	647.84 +	647.79	647.72 -	647.75	647.94	647.97	647.99	648.07	1																																			
	2 647.85	647.76	647.81	647.79	647.81	647.80	647.72 -	647.76	647.89	647.94	648.00	648.14	2																																			
	3 647.79	647.78	647.79	647.77	647.81	647.77	647.72 -	647.90	647.92 -	648.01	648.08	648.08	3																																			
	4 647.84	647.80	647.76	647.77	647.82	647.77	647.79	647.73	647.93	647.94	648.03	648.09	4																																			
	5 647.85	647.83	647.80	647.77	647.82	647.76	647.75	647.77	647.96	647.93	647.96 -	648.10	5																																			
	6 647.82	647.81	647.72	647.82	647.80	647.76	647.77	647.80	647.97	647.94	648.00	648.07	6																																			
	7 647.84	647.79	647.71 -	647.87 +	647.84 +	647.72 -	647.75	647.81	647.93	647.96	648.01	648.01	7																																			
	8 647.89	647.76	647.72	647.86	647.82	647.74	647.78	647.91	647.95	647.95	648.04	648.05	8																																			
	9 647.84	647.76	647.73	647.77	647.81	647.79	647.74	647.80	647.93	647.93	648.03	647.99 -	9																																			
	10 647.85	647.77	647.76	647.72 -	647.79	647.82	647.73	647.80	647.92	647.96	647.96 -	648.01	10																																			
	11 647.83	647.82	647.82	647.76	647.77	647.84 +	647.72 -	647.79	647.93	647.98	648.04	648.08	11																																			
	12 647.85	647.89	647.84	647.80	647.81	647.82	647.75	647.79	647.88	647.98	648.11	648.13	12																																			
m ü.M.	13 647.82	647.92 +	647.76	647.83	647.81	647.79	647.77	647.77	647.85 -	647.96	648.07	648.10	13																																			
	14 647.83	647.83	647.74	647.84	647.81	647.75	647.76	647.80	647.87	647.93	648.04	648.12	14																																			
	15 647.84	647.80	647.71 -	647.84	647.79	647.72 -	647.77	647.78	647.93	647.94	648.11	648.13	15																																			
	16 647.83	647.74 -	647.71 -	647.86	647.82	647.72 -	647.78	647.79	648.00 +	647.97	648.13	648.19	16																																			
	17 647.86	647.74 -	647.72	647.80	647.81	647.73	647.78	647.81	647.91	648.00	648.03	648.14	17																																			
	18 647.95 +	647.77	647.75	647.78	647.76	647.78	647.79	647.82	647.89	647.99	648.00	648.04	18																																			
	19 647.83	647.85	647.80	647.77	647.75	647.80	647.72 -	647.80	647.90	647.99	647.98	648.05	19																																			
	20 647.82	647.84	647.81	647.76	647.79	647.79	647.72 -	647.80	647.90	648.01	648.00	648.05	20																																			
	21 647.85	647.83	647.82	647.74	647.82	647.76	647.77	647.84	647.93	648.02	648.05	648.07	21																																			
	22 647.80	647.81	647.79	647.78	647.81	647.75	647.80 +	647.84	647.93	648.00	648.05	648.09	22																																			
	23 647.82	647.76	647.77	647.80	647.76	647.76	647.79	647.82	647.93	647.94	648.08	648.13	23																																			
	24 647.84	647.75	647.78	647.83	647.74 -	647.78	647.77	647.85	647.93	647.95	648.15	648.14	24																																			
	25 647.82	647.76	647.79	647.82	647.77	647.75	647.76	647.90	647.94	647.98	648.23 +	648.16	25																																			
+ Maximum	26 647.81	647.78	647.85 +	647.77	647.80	647.74	647.74	647.86	647.89	647.96	648.15	648.19	26																																			
	27 647.80	647.81	647.83	647.78	647.82	647.76	647.76	647.91	647.91	647.99	648.09	648.20 +	27																																			
- Minimum	28 647.83	647.74 -	647.77	647.78	647.79	647.79	647.75	647.89	647.92	648.00	648.05	648.12	28																																			
	29 647.77		647.79	647.81	647.80	647.81	647.75	647.90	647.93	648.01	648.05	648.06	29																																			
	30 647.73 -		647.77	647.84	647.76	647.77	647.74	647.92	647.91	648.01	648.02	648.10	30																																			
	31 647.77		647.75	647.76	647.76	647.77	647.75	647.96 +		648.04 +	648.16	648.16	31																																			
Monatsmittel	647.83	647.80	647.77	647.80	647.80	647.77	647.76 -	647.82	647.92	647.97	648.05	648.10 +	m ü.M.																																			
Spitze Datum	648.03 18.	647.95 13.	647.87 12.	647.89 7.	647.87 7.	647.85 11.	647.82 - 4.	647.98 31.	648.02 16.	648.06 31.	648.28 + 25.	648.22 16.	m ü.M.																																			
Amplitude	0.30	0.22	0.17	0.18	0.15	0.15	0.12 -	0.27	0.18	0.15	0.33 +	0.25	m																																			
Jahr	Mittel: 647.87												Spitze: 648.28 (25.11.2005)												Minimum: 647.70 (06.03.2005)												Amplitude: 0.58											



Periode	1997 - 2005 (8 Jahre)																																															
Monatsmittel	648.13	648.12 -	648.13	648.13	648.13	648.13	648.14	648.16 +	648.16 +	648.16 +	648.15	648.14	m ü.M.																																			
Monats-Spitze Jahr	648.70 2003	648.71 2003	648.64 2003	648.67 2003	648.55 2003	648.53 - 1999	648.70 1999	648.81 1999	648.86 + 1999	648.77 1999	648.73 1999	648.77 1999	m ü.M.																																			
Monats-Minimum Jahr	647.73 2005	647.73 2005	647.70 - 2005	647.71 2005	647.72 2005	647.70 - 2005	647.70 - 2005	647.71 2005	647.82 + 1998	647.82 + 1997	647.78 1997	647.75 2004	m ü.M.																																			
Monats-Amplitude Jahr	0.33 2003	0.29 1997	0.27 2001	0.35 2000	0.26 1999	0.24 1999	0.24 1999	0.27 2005	0.23 - 2000	0.24 1999	0.33 2005	0.39 + 1999	m ü.M.																																			
Periode	Mittel: 648.14												Spitze: 648.86 (20.09.1999)												Minimum: 647.70 (06.03.2005)												Amplitude: 1.16											



Grundwasserstände

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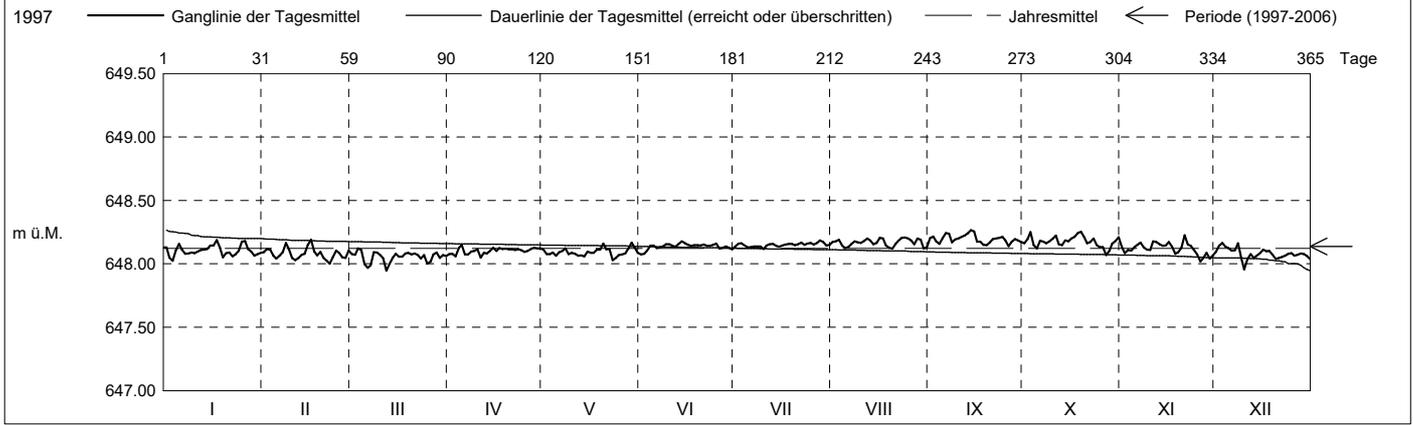
Koordinaten: 2'687'792' / 1'226'997'

Amt für Umwelt

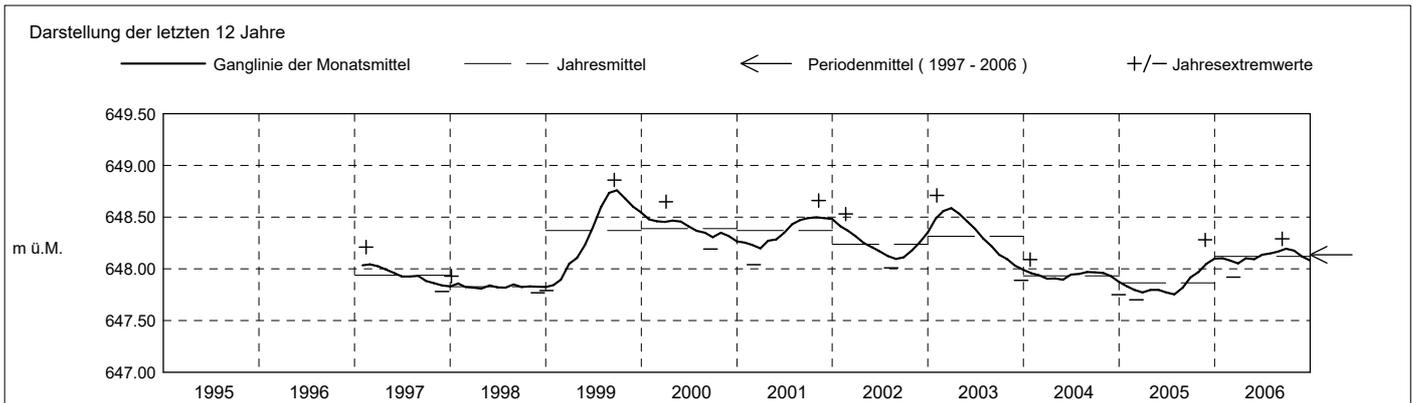
Abstichpunkt: 673.29 m ü.M. OK Terrain: 673.63 m ü.M.

2006	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1 648.13	648.09	648.08	648.08	648.11	648.07 -	648.14	648.17	648.20	648.16	648.13	648.10	1
	2 648.05	648.12	648.07	648.08	648.08	648.08	648.16	648.18	648.22	648.20	648.18	648.14	2
	3 648.02 -	648.11	648.12 +	648.06	648.08	648.10	648.16	648.19	648.28	648.25 +	648.11	648.17 +	3
	4 648.11	648.06	648.11	648.12	648.09	648.14	648.14	648.15	648.16	648.15	648.10	648.14	4
	5 648.16	648.04	648.00	648.15 +	648.06	648.14	648.13	648.12 -	648.20	648.12	648.13	648.12	5
	6 648.11	648.06	647.97	648.07	648.09	648.12	648.13	648.13	648.24	648.18	648.15	648.10	6
	7 648.08	648.09	647.99	648.07	648.10	648.13	648.14	648.16	648.24	648.17	648.17	648.11	7
	8 648.08	648.17	648.09	648.10	648.12	648.14	648.14	648.18	648.17	648.16	648.13	648.16	8
	9 648.09	648.12	648.09	648.10	648.08	648.15	648.14	648.17	648.19	648.18	648.11	648.04	9
	10 648.09	648.05	648.07	648.11	648.09	648.15	648.12 -	648.17	648.20	648.20	648.11	647.96 -	10
m ü.M.	11 648.10	648.03	648.04	648.05 -	648.08	648.14	648.14	648.18	648.21	648.22	648.18	648.04	11
	12 648.11	648.05	647.95 -	648.09	648.07	648.13	648.16	648.20	648.22	648.16	648.17	648.08	12
	13 648.11	648.07	648.00	648.08	648.07	648.16	648.16	648.20	648.24	648.15	648.15	648.05	13
	14 648.12	648.08	648.05	648.10	648.06	648.18 +	648.14	648.15	648.27 +	648.18	648.14	648.06	14
	15 648.15	648.15	648.08	648.13	648.10	648.16	648.13	648.17	648.26	648.18	648.14	648.09	15
	16 648.15	648.19 +	648.05	648.10	648.09	648.15	648.14	648.20	648.18	648.20	648.17	648.11	16
	17 648.19 +	648.10	648.05	648.12	648.09	648.14	648.15	648.20	648.17	648.21	648.13	648.10	17
	18 648.13	648.07	648.08	648.12	648.11	648.15	648.16	648.14	648.15	648.24	648.08	648.10	18
	19 648.05	648.09	648.09	648.12	648.11	648.15	648.16	648.13	648.15	648.25 +	648.09	648.07	19
	20 648.08	648.05	648.07	648.11	648.16	648.14	648.15	648.12 -	648.17	648.21	648.13	648.04	20
+ Maximum	21 648.09	648.02	648.08	648.11	648.11	648.15	648.16	648.16	648.20	648.16	648.22 +	648.05	21
	22 648.06	648.00 -	648.07	648.11	648.12	648.14	648.17	648.18	648.20	648.17	648.15	648.05	22
	23 648.07	648.05	648.04	648.11	648.03 -	648.14	648.15	648.21 +	648.20	648.20	648.14	648.07	23
	24 648.10	648.10	648.07	648.11	648.05	648.15	648.16	648.21 +	648.21	648.15	648.11	648.08	24
	25 648.18	648.08	648.00	648.09	648.07	648.16	648.16	648.20	648.18	648.13	648.08	648.08	25
	26 648.18	648.05	648.02	648.10	648.08	648.12	648.15	648.18	648.14 -	648.13	648.02 -	648.07	26
	27 648.12	648.05	648.07	648.12	648.08	648.13	648.17	648.15	648.17	648.07 -	648.05	648.07	27
	28 648.10	648.10	648.09	648.13	648.12	648.14	648.18 +	648.20	648.19	648.10	648.09	648.08	28
	29 648.07	648.05	648.05	648.12	648.17 +	648.13	648.17	648.19	648.18	648.16	648.04	648.08	29
	30 648.08	648.07	648.07	648.12	648.13	648.11	648.14	648.12 -	648.17	648.18	648.07	648.06	30
31 648.09	648.06	648.06	648.12	648.09	648.11	648.15	648.13	648.21	648.21	648.07	648.04	31	
Monatsmittel	648.10	648.08	648.05 -	648.10	648.09	648.14	648.15	648.17	648.20 +	648.18	648.12	648.08	m ü.M.
Spitze Datum	648.22 17.	648.23 16.	648.14 - 3.	648.19 5.	648.21 29.	648.19 14.	648.20 28.	648.23 3.	648.29 + 15.	648.29 + 3.	648.24 21.	648.22 8.	m ü.M.
Amplitude	0.21	0.24	0.22	0.15	0.19	0.13	0.11 -	0.14	0.16	0.23	0.23	0.28 +	m

Jahr Mittel: 648.12 Spitze: 648.29 (15.09.2006) Minimum: 647.92 (12.03.2006) Amplitude: 0.37



Periode	1997 - 2006 (9 Jahre)												
Monatsmittel	648.13	648.12 -	648.12 -	648.12 -	648.12 -	648.13	648.14	648.16 +	648.16 +	648.16 +	648.15	648.13	m ü.M.
Monats-Spitze Jahr	648.70 2003	648.71 2003	648.64 2003	648.67 2003	648.55 2003	648.53 - 1999	648.70 1999	648.81 1999	648.86 + 1999	648.77 1999	648.73 1999	648.77 1999	m ü.M.
Monats-Minimum Jahr	647.73 2005	647.73 2005	647.70 - 2005	647.71 2005	647.72 2005	647.70 - 2005	647.70 - 2005	647.71 2005	647.82 + 1998	647.82 + 1997	647.78 1997	647.75 2004	m ü.M.
Monats-Amplitude Jahr	0.33 2003	0.29 1997	0.27 2001	0.35 2000	0.26 1999	0.24 1999	0.24 1999	0.27 2005	0.23 - 2000	0.24 1999	0.33 2005	0.39 + 1999	m ü.M.
Periode	Mittel: 648.14 Spitze: 648.86 (20.09.1999) Minimum: 647.70 (06.03.2005) Amplitude: 1.16												



Grundwasserstände

Nr. 2207 Winzwilen - Menzingen

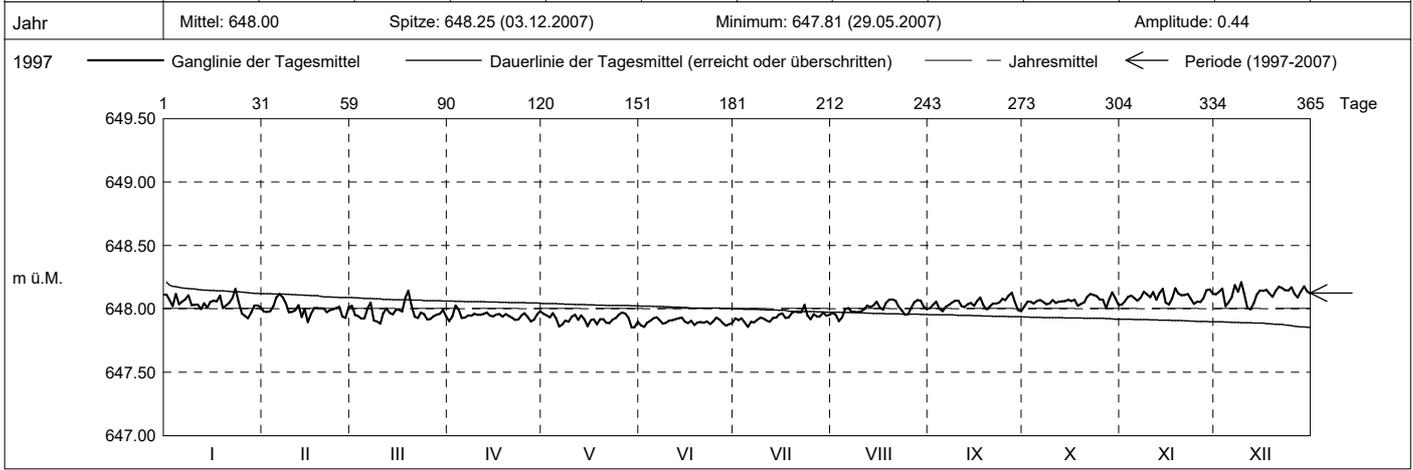
KANTON ZUG

Koordinaten: 2'687'792' / 1'226'997'

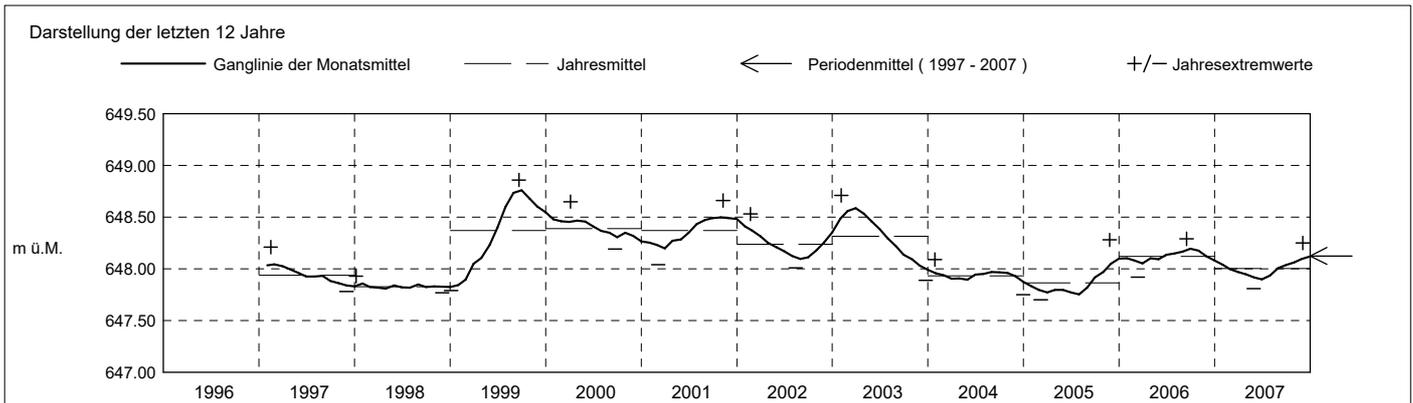
Amt für Umwelt

Abstichpunkt: 673.29 m ü.M. OK Terrain: 673.63 m ü.M.

2007	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember																																				
Tagesmittel	1 648.11	647.98	648.02	647.90 -	647.96	647.87	647.93	647.97	648.01	648.02	648.03 -	648.11	1																																			
	2 648.07	647.98	647.95	647.94	647.95	647.86 -	647.91	647.95	648.03	648.06	648.06	648.13	2																																			
	3 648.02	647.98	647.94	648.03 +	647.93	647.89	647.93	647.90 -	648.06	648.06	648.09	648.16	3																																			
	4 648.12	648.02	647.92	647.99	647.97 +	647.91	647.89	647.93	648.00	648.04	648.10	648.02	4																																			
	5 648.04	648.09	647.93	647.93	647.92	647.93 +	647.86 -	648.00	647.98 -	648.06	648.08	648.05	5																																			
	6 648.05	648.12 +	648.01	647.93	647.86	647.93 +	647.90	648.01	648.02	648.07	648.07	648.09	6																																			
	7 648.08	648.09	648.05	647.95	647.88	647.91	647.89	647.98	648.03	648.05	648.09	648.19	7																																			
	8 648.11	648.04	647.91	647.95	647.91	647.88	647.91	647.98	648.05	648.04	648.14	648.13	8																																			
	9 648.03	647.97	647.90	647.96	647.90	647.89	647.93	647.97	648.06	648.04	648.11	648.21 +	9																																			
	10 648.03	647.97	647.88 -	647.95	647.94	647.91	647.92	647.98	648.06	648.07	648.09	648.12	10																																			
m ü.M.	11 648.03	647.99	647.96	647.95	647.95	647.91	647.91	648.00	648.02	648.05	648.13	648.01	11																																			
	12 648.00	648.03	648.00	647.96	647.91	647.92	647.90	648.03	648.01	648.06	648.07	648.00 -	12																																			
	13 648.04	647.93	647.97	647.97	647.95	647.92	647.93	648.01	648.04	648.06	648.13	648.05	13																																			
	14 648.01	648.00	647.96	647.95	647.92	647.93 +	647.93	648.03	648.05	648.06	648.16 +	648.11	14																																			
	15 648.05	647.89 -	647.99	647.94	647.86	647.90	647.96	648.05	648.02	648.07	648.05	648.15	15																																			
	16 648.07	647.96	647.99	647.96	647.91	647.89	647.96	648.01	648.06	648.06	648.03 -	648.14	16																																			
	17 648.06	648.01	647.98	647.96	647.92	647.91	647.93	647.99	648.09	648.07	648.08	648.15	17																																			
	18 648.10	648.01	648.09	647.94	647.88	647.87	647.93	648.05	648.03	648.02	648.16 +	648.12	18																																			
	19 648.01	648.00	648.14 +	647.96	647.92	647.89	647.97	648.07	648.00	648.04	648.12	648.09	19																																			
	20 648.03	648.00	648.03	647.94	647.92	647.90	647.98	648.08 +	648.02	648.05	648.11	648.14	20																																			
+ Maximum	21 648.05	647.97	647.94	647.93	647.89	647.89	647.97	648.07	648.04	648.09	648.11	648.17	21																																			
	22 648.09	647.99	647.93	647.91	647.89	647.90	647.97	648.02	648.04	648.12	648.12	648.16	22																																			
	23 648.16 +	648.00	647.97	647.91	647.91	647.88	648.03 +	647.99	648.05	648.11	648.08	648.15	23																																			
	24 648.05	648.01	647.96	647.95	647.93	647.90	647.95	648.08	648.10	648.04	648.14	648.14	24																																			
	25 647.96	648.02	647.92	647.97	647.95	647.93 +	647.92	647.96	648.07	648.08	648.06	648.17	25																																			
	- Minimum	26 647.94	647.94	647.92	647.94	647.97 +	647.91	647.96	648.01	648.10	648.07	648.05	648.12	26																																		
		27 647.92 -	647.93	647.94	647.90 -	647.96	647.89	647.94	648.05	648.13 +	648.01 -	648.08	648.09	27																																		
	28 647.97	648.01	647.95	647.91	647.93	647.87	647.94	648.07	648.05	648.08	648.15	648.14	28																																			
	29 648.03	647.96	647.96	647.96	647.85 -	647.88	647.97	648.06	647.99	648.13 +	648.15	648.18	29																																			
	30 648.03	647.99	647.99	647.98	647.86	647.89	647.95	648.02	647.98 -	648.08	648.12	648.14	30																																			
31 648.01	647.94	647.94	647.98	647.90	647.89	647.95	648.00	648.03	648.03	648.12	648.12	31																																				
Monatsmittel	648.04	648.00	647.97	647.95	647.92	647.90 -	647.94	648.01	648.04	648.06	648.10	648.12 +	m ü.M.																																			
Spitze Datum	648.18 23.	648.13 6.	648.18 19.	648.05 3.	647.99 11.	647.95 - 5.	648.07 23.	648.10 21.	648.14 27.	648.14 29.	648.22 14.	648.25 + 3.	m ü.M.																																			
Amplitude	0.28	0.27	0.33 +	0.16	0.18	0.10 -	0.22	0.21	0.17	0.15	0.20	0.28	m																																			
Jahr	Mittel: 648.00												Spitze: 648.25 (03.12.2007)												Minimum: 647.81 (29.05.2007)												Amplitude: 0.44											



Periode	1997 - 2007 (10 Jahre)																																															
Monatsmittel	648.12	648.11	648.10 -	648.11	648.10 -	648.11	648.12	648.15 +	648.15 +	648.15 +	648.14	648.13	m ü.M.																																			
Monats-Spitze Jahr	648.70 2003	648.71 2003	648.64 2003	648.67 2003	648.55 2003	648.53 - 1999	648.70 1999	648.81 1999	648.86 + 1999	648.77 1999	648.73 1999	648.77 1999	m ü.M.																																			
Monats-Minimum Jahr	647.73 2005	647.73 2005	647.70 - 2005	647.71 2005	647.72 2005	647.70 - 2005	647.70 - 2005	647.71 2005	647.82 + 1998	647.82 + 1997	647.78 1997	647.75 2004	m ü.M.																																			
Monats-Amplitude Jahr	0.33 2003	0.29 1997	0.33 2007	0.35 2000	0.26 1999	0.24 1999	0.24 1999	0.27 2005	0.23 - 2000	0.24 1999	0.33 2005	0.39 + 1999	m ü.M.																																			
Periode	Mittel: 648.13												Spitze: 648.86 (20.09.1999)												Minimum: 647.70 (06.03.2005)												Amplitude: 1.16											



Grundwasserstände

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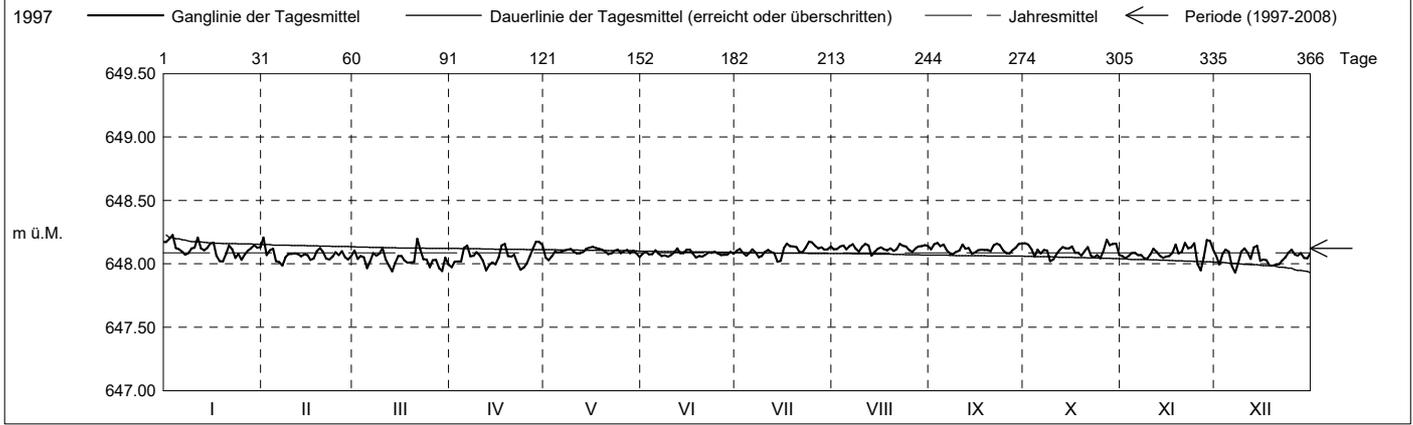
Koordinaten: 2'687'792' / 1'226'997'

Amt für Umwelt

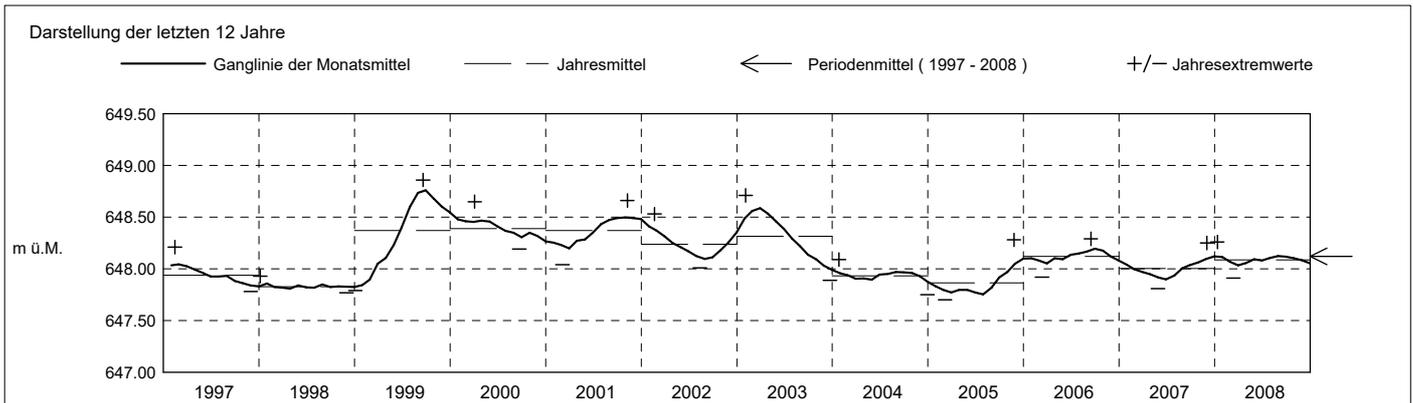
Abstichpunkt: 673.29 m ü.M. OK Terrain: 673.63 m ü.M.

2008	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember		
Tagesmittel	1 648.17	648.21 +	648.10	647.97	648.05	648.08	648.10	648.11	648.11	648.16	648.06	648.06	1	
	2 648.20	648.07	648.04	648.02	648.03 -	648.09	648.12	648.12	648.15	648.15	648.04	647.99	2	
	3 648.23 +	648.11	648.06	648.02	648.06	648.07	648.09	648.14	648.16 +	648.12	648.06	648.08	3	
	4 648.12	648.12	648.05	648.02	648.10	648.08	648.06	648.15	648.14	648.06	648.09	648.11	4	
	5 648.11	648.02	647.97	648.12	648.09	648.11	648.09	648.11	648.15	648.11	648.09	648.10	5	
	6 648.10	648.01	648.02	648.14	648.09	648.08	648.11	648.14	648.11	648.08	648.07	647.98	6	
	7 648.07	647.99 -	648.09	648.06	648.10	648.06	648.09	648.15	648.08 -	648.11	648.07	647.93 -	7	
	8 648.09	648.05	648.06	648.06	648.11	648.07	648.05	648.12	648.08 -	648.10	648.04	648.00	8	
	9 648.12	648.08	648.08	648.09	648.12	648.05 -	648.06	648.10	648.09	648.02 -	648.04	648.10	9	
	10 648.13	648.08	648.13	648.07	648.10	648.07	648.09	648.14	648.10	648.04	648.08	648.12	10	
m ü.M.	11 648.21	648.08	648.03	648.02	648.08	648.09	648.11	648.16 +	648.15	648.08	648.12	648.09	11	
	12 648.12	648.08	647.99	647.95 -	648.08	648.12 +	648.09	648.14	648.12	648.11	648.09	648.04	12	
	13 648.11	648.06	647.94 -	647.99	648.09	648.09	648.08	648.07 -	648.13	648.13	648.06	648.13	13	
	14 648.13	648.07	648.01	648.01	648.12	648.09	648.02 -	648.09	648.08 -	648.12	648.05	648.14 +	14	
	15 648.16	648.07	648.06	648.00	648.13 +	648.11	648.02 -	648.12	648.09	648.12	648.06	648.02	15	
	16 648.17	648.03	648.06	648.05	648.13 +	648.11	648.12	648.13	648.11	648.14	648.06	648.04	16	
	17 648.06	648.04	648.03	648.15	648.13 +	648.08	648.16	648.11	648.11	648.09	648.09	648.03	17	
	18 648.02 -	648.10	648.01	648.16	648.12	648.05 -	648.14	648.11	648.11	648.09	648.15	647.99	18	
	19 648.02 -	648.13	648.01	648.06	648.11	648.06	648.14	648.12	648.11	648.07	648.08	647.99	19	
	20 648.08	648.09	648.01	648.05	648.10	648.05 -	648.13	648.10	648.10	648.10	648.09	647.99	20	
+ Maximum	21 648.15	648.04	648.20 +	648.07	648.08	648.07	648.09	648.11	648.15	648.13	648.16	648.00	21	
	22 648.11	648.03	648.11	648.00	648.08	648.09	648.09	648.16 +	648.16 +	648.07	648.12	648.03	22	
	23 648.05	648.06	648.04	647.95 -	648.10	648.09	648.13	648.14	648.15	648.05	648.13	648.05	23	
	24 648.08	648.09	648.04	647.97	648.11	648.09	648.17 +	648.14	648.11	648.07	648.16	648.09	24	
	25 648.03	648.07	647.97	648.00	648.08	648.08	648.17 +	648.11	648.09	648.04	648.00	648.11	25	
	- Minimum	26 648.07	648.10	648.03	648.06	648.10	648.07	648.14	648.09	648.08 -	648.10	647.95 -	648.07	26
		27 648.10	648.05	648.03	648.13	648.11	648.07	648.12	648.11	648.11	648.05	648.06	648.06	27
	28 648.12	648.03	647.97	648.17 +	648.08	648.07	648.13	648.14	648.13	648.15	648.19 +	648.09	28	
	29 648.15	648.06	647.94 -	648.17 +	648.10	648.09	648.11	648.14	648.14	648.16 +	648.16	648.18	648.05	29
	30 648.13		648.05	648.15	648.08	648.08	648.11	648.15	648.16 +	648.16	648.11	648.04	648.08	30
31 648.13		647.99	648.05	648.05	648.05	648.14	648.14	648.14	648.07	648.07	648.08	648.08	31	
Monatsmittel	648.11	648.07	648.04 -	648.06	648.09	648.08	648.11	648.12 +	648.12 +	648.10	648.08	648.05	m ü.M.	
Spitze Datum	648.26 + 11.	648.22 1.	648.25 21.	648.20 30.	648.16 16.	648.15 - 12.	648.18 24.	648.18 12.	648.20 3.	648.20 27.	648.24 23.	648.17 4.	m ü.M.	
Amplitude	0.26	0.25	0.34 +	0.26	0.15	0.12 -	0.20	0.13	0.15	0.21	0.31	0.25	m	

Jahr Mittel: 648.09 Spitze: 648.26 (11.01.2008) Minimum: 647.91 (12.03.2008) Amplitude: 0.35



Periode	1997 - 2008 (11 Jahre)												
Monatsmittel	648.12	648.11	648.10 -	648.10 -	648.10 -	648.11	648.12	648.14	648.15 +	648.15 +	648.14	648.13	m ü.M.
Monats-Spitze Jahr	648.70 2003	648.71 2003	648.64 2003	648.67 2003	648.55 2003	648.53 - 1999	648.70 1999	648.81 1999	648.86 + 1999	648.77 1999	648.73 1999	648.77 1999	m ü.M.
Monats-Minimum Jahr	647.73 2005	647.73 2005	647.70 - 2005	647.71 2005	647.72 2005	647.70 - 2005	647.70 - 2005	647.71 2005	647.82 + 1998	647.82 + 1997	647.78 1997	647.75 2004	m ü.M.
Monats-Amplitude Jahr	0.33 2003	0.29 1997	0.34 2008	0.35 2000	0.26 1999	0.24 1999	0.24 1999	0.27 2005	0.23 - 2000	0.24 1999	0.33 2005	0.39 + 1999	m ü.M.
Periode	Mittel: 648.12 Spitze: 648.86 (20.09.1999) Minimum: 647.70 (06.03.2005) Amplitude: 1.16												



Grundwasserstände

Nr. 2207 Winzwilen - Menzingen

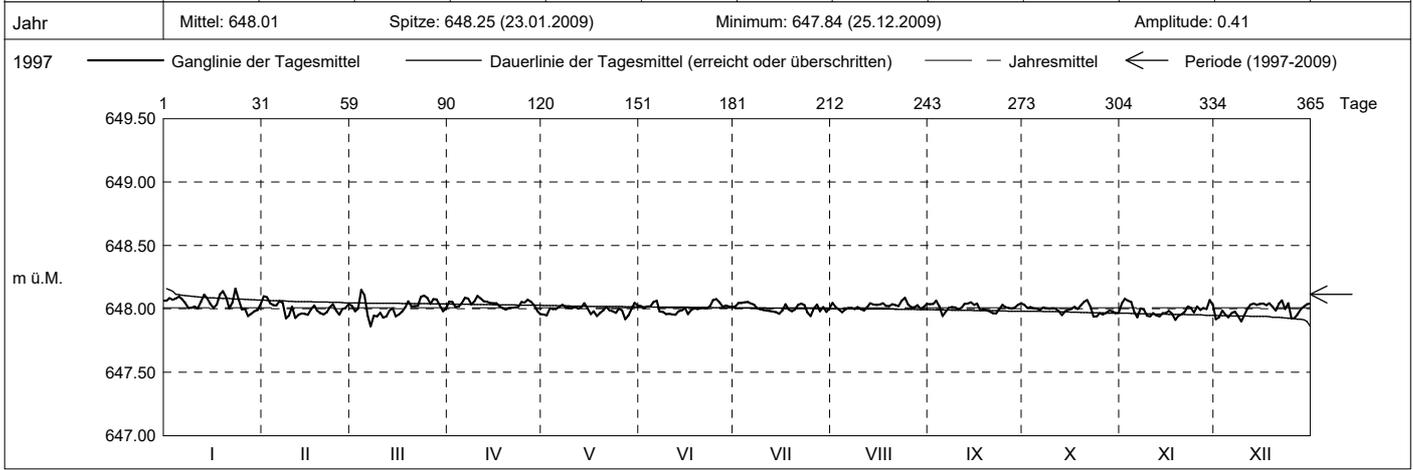
KANTON ZUG

Koordinaten: 2'687'792' / 1'226'997'

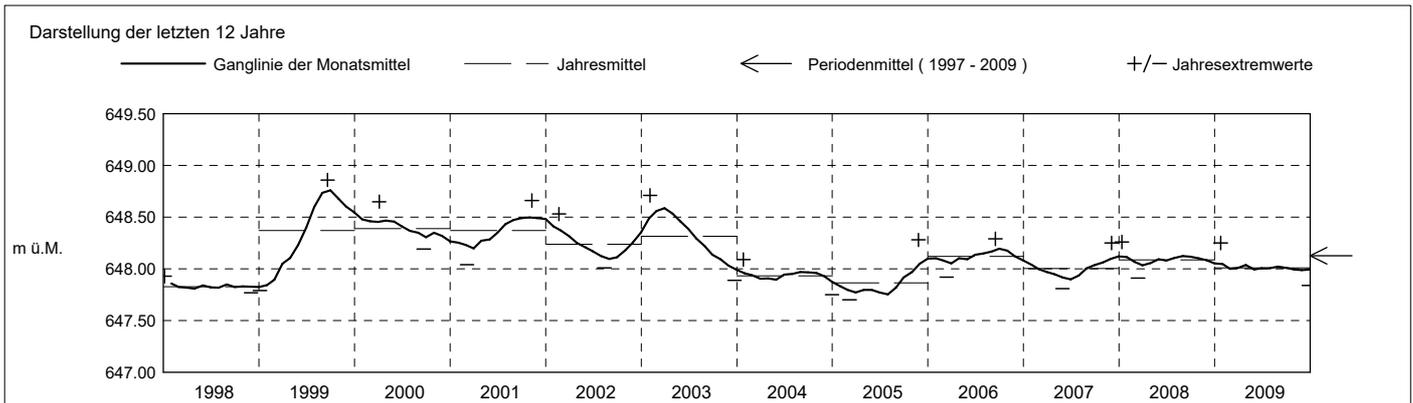
Amt für Umwelt

Abstichpunkt: 673.29 m ü.M. OK Terrain: 673.63 m ü.M.

2009	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember		
Tagesmittel	1 648.07	648.10 +	648.02	648.06	647.96	648.02	648.02	648.05	648.04	648.03	648.04	647.92	1	
	2 648.08	648.09	647.98	648.05	647.95	648.01	648.05 +	648.01	648.04	648.01	648.08 +	647.93	2	
	3 648.07	648.04	648.00	648.01	648.00	648.02	648.05 +	647.99	648.06 +	648.01	648.06	647.99	3	
	4 648.08	648.03	648.15 +	648.02	648.00	648.02	648.05 +	647.97 -	648.02	648.00	648.05	647.95	4	
	5 648.10	648.03	648.11	648.04	648.00	648.05	648.05 +	647.99	647.94 -	648.00	647.97	647.93	5	
	6 648.08	648.06	647.95	648.09	648.02	648.06	648.04	648.01	647.98	647.99	647.93	647.96	6	
	7 648.05	648.05	647.86 -	648.08	648.03	647.98	648.03	648.01	648.01	648.01	648.00	647.98	7	
	8 648.01	647.92 -	647.95	648.04	648.02	647.98	648.00	648.00	648.01	648.00	648.00	647.94	8	
	9 648.01	647.95	647.94	648.06	648.01	647.96	648.00	648.01	648.01	648.00	648.00	647.95	647.90 -	9
	10 648.02	648.02	647.97	648.10 +	648.01	647.96	647.99	648.00	648.00	647.99	648.00	647.94	647.95	10
m ü.M.	11 648.00	647.93	647.93	648.08	648.02	647.96	647.99	647.99	648.01	648.00	647.96	648.00	11	
	12 648.06	647.95	647.94	648.06	648.00	647.95 -	647.98	648.01	648.04	647.98	647.95	648.03	12	
	13 648.11	647.96	647.99	648.06	648.01	647.98	647.98	648.04	648.04	647.95	647.94	648.04	13	
	14 648.09	647.96	648.00	648.05	648.04	647.99	647.97	648.03	648.05	647.98	647.97	648.03	14	
	15 648.04	647.95	647.94	648.04	648.00	648.01	647.96	648.03	648.03	647.99	647.97	648.04	15	
	16 648.01	648.00	647.96	648.04	647.96	647.96	647.98	648.04	648.04	648.00	647.98	648.04	16	
	17 648.03	648.03	647.98	648.02	647.98	647.99	648.04	648.04	647.99	648.02	647.96	648.03	17	
	18 648.11	647.99	648.01	648.01	647.94	648.00	647.99	648.02	647.99	648.00	647.91 -	648.04	18	
	19 648.14	647.97	648.06	647.99	647.97	648.00	647.98	648.02	647.99	648.03	647.94	648.02	19	
	20 648.09	647.96	648.02	648.01	647.99	648.00	647.99	648.04	647.98	648.06	647.96	647.99	20	
+ Maximum	21 648.00	647.97	648.02	648.01	648.02	648.01	648.03	648.03	647.97	648.07 +	647.97	648.04	21	
	22 648.05	648.01	648.02	648.01	647.99	648.00	648.04	648.02	647.96	648.02	648.02	648.07 +	22	
	23 648.16 +	648.04	648.09	648.02	647.98	648.02	648.03	648.06	648.00	647.94 -	648.01	648.00	23	
	24 648.08	647.99	648.10	648.05	647.97	648.07	647.97	648.09 +	648.03	647.94 -	647.97	648.04	24	
	25 648.00	647.95	648.09	648.05	648.00	648.08 +	647.94 -	648.03	648.01	647.97	648.02	647.92	25	
	26 648.00	648.00	648.04	648.07	647.99	648.05	648.00	648.01	648.01	647.96	647.99	647.92	26	
	27 647.94 -	648.01	648.08	648.06	647.92 -	648.02	648.03	648.01	648.00	647.97	648.01	647.96	27	
	28 647.96	648.04	648.08	648.03	647.95	648.03	647.98	648.03	648.01	647.99	648.00	648.00	28	
	29 647.98		648.03	647.98	648.00	648.02	648.01	648.00	648.03	647.98	648.07	648.02	29	
	30 647.99		647.98	647.96 -	648.05 +	648.01	647.98	648.01	648.04	647.96	648.03	648.04	30	
31 648.04		648.01		648.03		648.01	648.01	648.04	647.97	648.03	648.04	31		
Monatsmittel	648.05 +	648.00	648.01	648.04	647.99 -	648.01	648.01	648.02	648.01	647.99 -	647.99 -	647.99 -	m ü.M.	
Spitze Datum	648.25 + 23.	648.11 1.	648.19 24.	648.12 10.	648.06 - 14.	648.11 6.	648.08 17.	648.09 23.	648.10 3.	648.10 21.	648.12 4.	648.10 21.	m ü.M.	
Amplitude	0.32	0.22	0.34 +	0.18	0.16	0.18	0.15	0.13 -	0.17	0.19	0.22	0.26	m	
Jahr	Mittel: 648.01		Spitze: 648.25 (23.01.2009)				Minimum: 647.84 (25.12.2009)				Amplitude: 0.41			



Periode	1997 - 2009 (12 Jahre)												
Monatsmittel	648.11	648.10	648.09 -	648.10	648.09 -	648.10	648.11	648.14 +	648.14 +	648.14 +	648.13	648.12	m ü.M.
Monats-Spitze Jahr	648.70 2003	648.71 2003	648.64 2003	648.67 2003	648.55 2003	648.53 - 1999	648.70 1999	648.81 1999	648.86 + 1999	648.77 1999	648.73 1999	648.77 1999	m ü.M.
Monats-Minimum Jahr	647.73 2005	647.73 2005	647.70 - 2005	647.71 2005	647.72 2005	647.70 - 2005	647.70 - 2005	647.71 2005	647.82 + 1998	647.82 + 1997	647.78 1997	647.75 2004	m ü.M.
Monats-Amplitude Jahr	0.33 2003	0.29 1997	0.34 2008	0.35 2000	0.26 1999	0.24 1999	0.24 1999	0.27 2005	0.23 - 2000	0.24 1999	0.33 2005	0.39 + 1999	m ü.M.
Periode	Mittel: 648.11		Spitze: 648.86 (20.09.1999)				Minimum: 647.70 (06.03.2005)				Amplitude: 1.16		



Grundwasserstände

Nr. 2207 Winzwilen - Menzingen

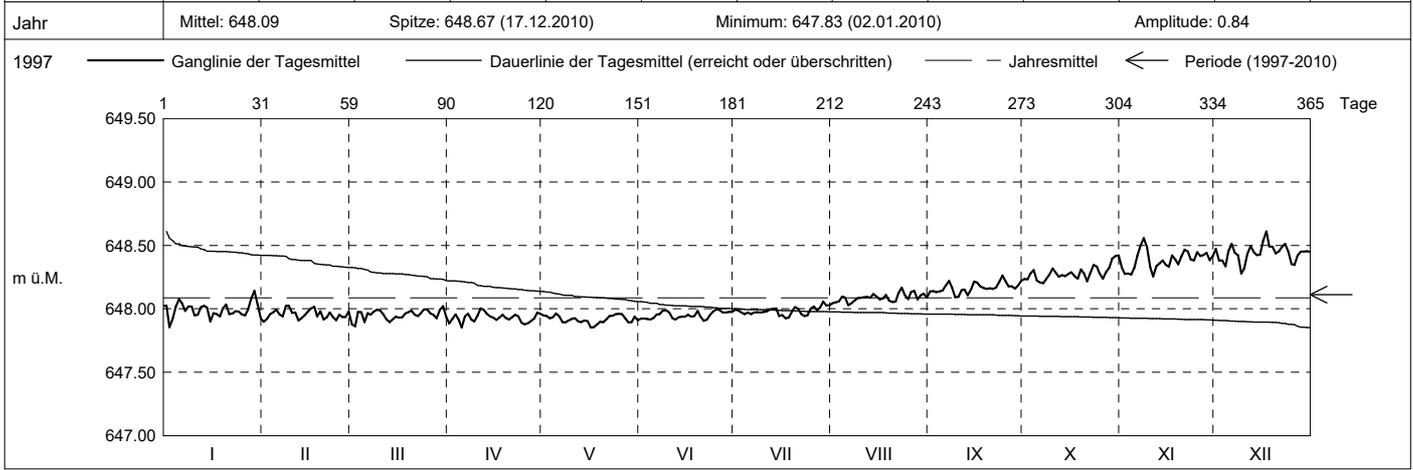
KANTON ZUG

Koordinaten: 2'687'792' / 1'226'997'

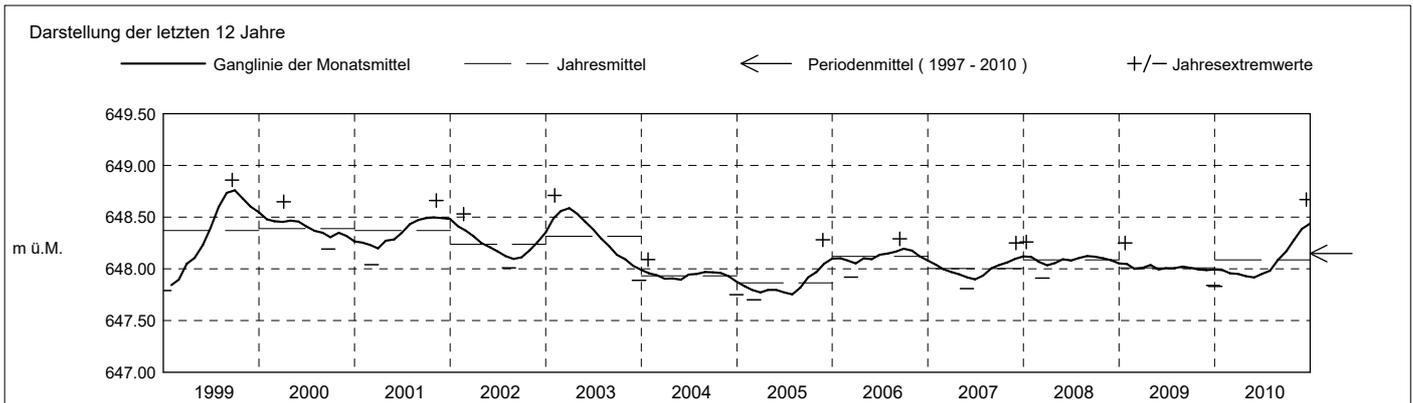
Amt für Umwelt

Abstichpunkt: 673.29 m ü.M. OK Terrain: 673.63 m ü.M.

2010	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	648.02	647.90 -	647.88	647.89	647.95	647.92	647.99	648.04	648.14	648.23	648.32	648.47	1
	647.85 -	647.92	647.86 -	647.92	647.94	647.92	647.98	648.05	648.14	648.23	648.27	648.38	2
	647.92	647.96	647.98	647.96	647.93	647.92	647.97	648.06	648.13	648.28	648.28	648.38	3
	648.02	647.97	647.97	647.91	647.93	647.91 -	647.96	648.10	648.14	648.31	648.27	648.34	4
	648.08	647.99	647.90	647.85 -	647.96 +	647.93	647.97	648.09	648.15	648.22	648.33	648.45	5
	648.04	647.96	647.97	647.94	647.94	647.96	647.96	648.03 -	648.18	648.21	648.42	648.51	6
	647.98	647.94	647.95	647.96	647.90	647.96	647.97	648.04	648.22	648.20 -	648.50	648.44	7
	648.02	648.02 +	647.98	647.91	647.89	647.98	647.97	648.07	648.17	648.24	648.56 +	648.42	8
	648.02	648.02 +	647.99	647.90	647.91	647.99 +	647.97	648.08	648.09 -	648.27	648.49	648.28 -	9
	647.95	647.97	647.99	647.95	647.92	647.97	647.98	648.09	648.09 -	648.32	648.33	648.32	10
	647.95	647.97	647.96	648.00 +	647.92	647.92	647.98	648.09	648.15	648.28	648.26 -	648.43	11
	648.01	647.91	647.92	647.99	647.90	647.92	647.99	648.09	648.15	648.25	648.34	648.49	12
	648.02	647.93	647.89	647.96	647.89	647.93	648.00	648.09	648.11	648.26	648.36	648.45	13
m ü.M.	648.01	647.95	647.92	647.94	647.91	647.94	648.00	648.12	648.15	648.26	648.38	648.42	14
	647.90	647.98	647.94	647.93	647.90	647.94	647.94	648.10	648.21	648.28	648.35	648.43	15
	647.96	648.00	647.93	647.91	647.85 -	647.95	647.95	648.08	648.21	648.29	648.33	648.54	16
	647.96	648.02 +	647.93	647.93	647.85 -	647.94	647.92 -	648.08	648.18	648.26	648.42	648.61 +	17
	647.94	647.94	647.96	647.95	647.87	647.94	647.93	648.11	648.16	648.24	648.39	648.49	18
	648.00	647.98	647.97	647.93	647.90	647.98	647.98	648.06	648.16	648.31	648.35	648.49	19
	648.03	647.92	647.99	647.91	647.90	647.94	648.01	648.05	648.16	648.28	648.41	648.44	20
	647.96	647.93	647.95	647.93	647.91	647.91 -	648.00	648.06	648.16	648.22	648.47	648.45	21
	647.96	647.97	647.94	647.95	647.92	647.96	647.96	648.13	648.17	648.28	648.45	648.49	22
	647.98	647.94	647.96	647.94	647.95	647.95	647.94	648.17 +	648.21	648.35	648.39	648.51	23
	647.98	647.91	648.00	647.89	647.96 +	647.98	647.95	648.11	648.26 +	648.33	648.38	648.45	24
+ Maximum	647.96	647.95	647.99	647.88	647.96 +	647.99 +	648.00	648.08	648.22	648.28	648.45	648.35	25
	647.95	647.93	647.96	647.88	647.96 +	647.99 +	648.02	648.13	648.18	648.24	648.42	648.35	26
	647.99	647.94	647.95	647.90	647.92	647.97	647.99	648.14	648.18	648.29	648.42	648.42	27
- Minimum	648.08	647.98	647.92	647.92	647.89	647.97	648.01	648.07	648.16	648.33	648.44	648.45	28
	648.14 +	647.99	647.99	647.97	647.89	647.98	648.06 +	648.11	648.18	648.40	648.39	648.45	29
	648.03	648.02 +	647.96	647.94	647.94	647.98	648.03	648.12	648.22	648.42 +	648.42	648.45	30
	647.92	647.94	647.95	647.91	647.91	647.98	648.03	648.09	648.22	648.42 +	648.42	648.45	31
Monatsmittel	647.99	647.96	647.95	647.93	647.92 -	647.95	647.98	648.09	648.17	648.28	648.39	648.44 +	m ü.M.
Spitze Datum	648.18 29.	648.07 28.	648.07 30.	648.02 11.	647.98 - 5.	648.01 25.	648.08 29.	648.18 23.	648.28 24.	648.45 31.	648.60 8.	648.67 + 17.	m ü.M.
Amplitude	0.35	0.21	0.21	0.19	0.14	0.12 -	0.19	0.16	0.21	0.26	0.40	0.41 +	m
Jahr	Mittel: 648.09		Spitze: 648.67 (17.12.2010)				Minimum: 647.83 (02.01.2010)				Amplitude: 0.84		



Periode	1997 - 2010 (13 Jahre)												
Monatsmittel	648.10	648.09	648.08 -	648.09	648.08 -	648.09	648.10	648.13	648.14	648.15 +	648.14	648.14	m ü.M.
Monats-Spitze Jahr	648.70 2003	648.71 2003	648.64 2003	648.67 2003	648.55 2003	648.53 - 1999	648.70 1999	648.81 1999	648.86 + 1999	648.77 1999	648.73 1999	648.77 1999	m ü.M.
Monats-Minimum Jahr	647.73 2005	647.73 2005	647.70 - 2005	647.71 2005	647.72 2005	647.70 - 2005	647.70 - 2005	647.71 2005	647.82 + 1998	647.82 + 1997	647.78 1997	647.75 2004	m ü.M.
Monats-Amplitude Jahr	0.35 2010	0.29 1997	0.34 2008	0.35 2000	0.26 1999	0.24 1999	0.24 1999	0.27 2005	0.23 - 2000	0.26 2010	0.40 2010	0.41 + 2010	m ü.M.
Periode	Mittel: 648.11		Spitze: 648.86 (20.09.1999)				Minimum: 647.70 (06.03.2005)				Amplitude: 1.16		



Grundwasserstände

Nr. 2207 Winzwilen - Menzingen

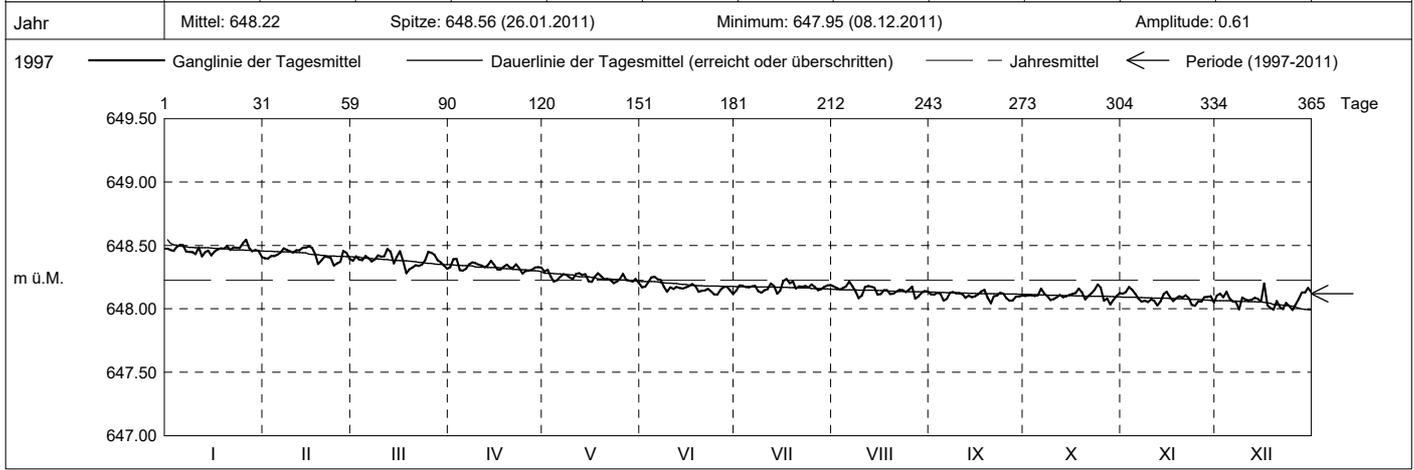
KANTON ZUG

Koordinaten: 2'687'792' / 1'226'997'

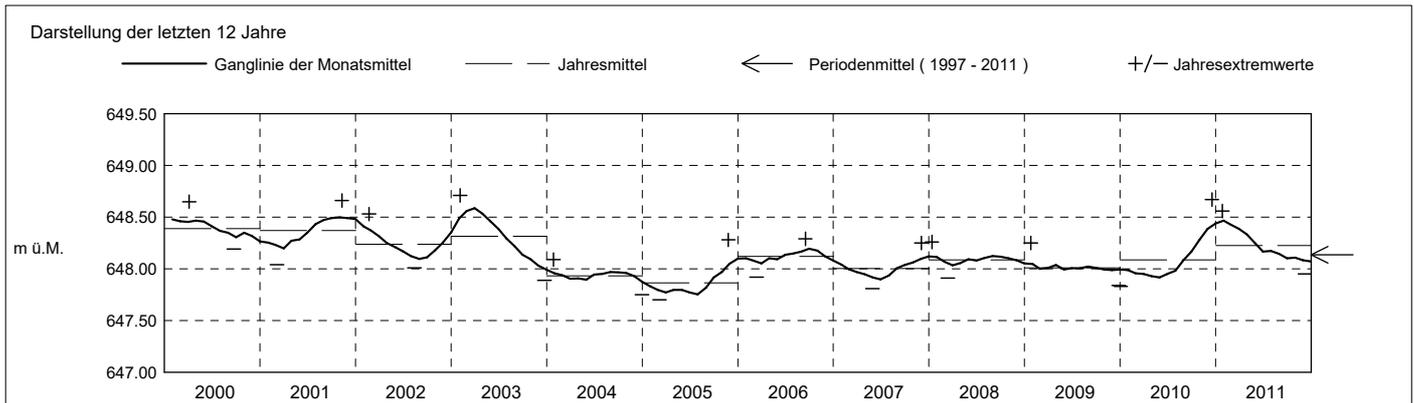
Amt für Umwelt

Abstichpunkt: 673.29 m ü.M. OK Terrain: 673.63 m ü.M.

2011	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1 648.47	648.40	648.38	648.33	648.29	648.17	648.15	648.18	648.11	648.10	648.12	648.10	1
	2 648.46	648.40	648.41	648.39 +	648.31 +	648.18	648.18	648.17	648.11	648.11	648.13	648.12	2
	3 648.46	648.42	648.39	648.39 +	648.25	648.21	648.18	648.15	648.13	648.11	648.17 +	648.09	3
	4 648.49	648.42	648.38	648.31	648.21	648.25 +	648.17	648.16	648.12	648.10	648.15	648.14	4
	5 648.50	648.43	648.42	648.30	648.22	648.25 +	648.17	648.18	648.06	648.11	648.12	648.08	5
	6 648.50	648.45	648.40	648.32	648.25	648.23	648.18	648.21 +	648.08	648.16	648.08	648.06	6
	7 648.45	648.48	648.37	648.35	648.27	648.23	648.18	648.18	648.13	648.12	648.06	648.05	7
	8 648.45	648.46	648.39	648.37	648.27	648.17	648.14	648.13	648.13	648.10	648.06	648.00	8
	9 648.45	648.45	648.42	648.36	648.25	648.14	648.13	648.09	648.12	648.07	648.05	648.09	9
	10 648.43	648.45	648.41	648.35	648.23	648.17	648.15	648.10	648.12	648.08	648.07	648.07	10
	11 648.48	648.46	648.41	648.34	648.27	648.16	648.15	648.17	648.11	648.09	648.07	648.07	11
	12 648.41 -	648.46	648.47 +	648.33	648.28	648.17	648.20	648.18	648.09	648.11	648.03	648.07	12
m ü.M.	13 648.45	648.48	648.45	648.34	648.27	648.16	648.18	648.18	648.10	648.09	648.06	648.09	13
	14 648.46	648.48	648.36	648.38	648.27	648.16	648.12 -	648.17	648.09	648.10	648.12	648.08	14
	15 648.42	648.49 +	648.41	648.35	648.22	648.17	648.14	648.11	648.10	648.11	648.13	648.06	15
	16 648.45	648.48	648.46	648.31	648.21	648.18	648.22	648.12	648.11	648.12	648.09	648.20 +	16
	17 648.47	648.43	648.38	648.31	648.25	648.19	648.24 +	648.15	648.14	648.13	648.06	648.03	17
	18 648.48	648.35	648.28 -	648.33	648.28	648.18	648.20	648.15	648.15 +	648.16	648.09	648.01	18
	19 648.47	648.38	648.31	648.35	648.26	648.13	648.21	648.12	648.09	648.13	648.10	647.99 -	19
	20 648.49	648.41	648.33	648.33	648.23	648.14	648.16	648.12	648.04 -	648.07	648.09	648.06	20
	21 648.47	648.41	648.34	648.32	648.23	648.15	648.18	648.14	648.10	648.10	648.11	648.01	21
	22 648.48	648.40	648.34	648.35	648.23	648.16	648.17	648.15	648.10	648.12	648.09	648.00	22
	23 648.48	648.34 -	648.35	648.32	648.20 -	648.14	648.18	648.15	648.13	648.15	648.03	648.05	23
	24 648.48	648.36	648.38	648.28 -	648.22	648.11 -	648.17	648.13	648.12	648.19 +	648.02 -	648.02	24
+ Maximum	25 648.52	648.37	648.45	648.30	648.24	648.11 -	648.19	648.15	648.09	648.17	648.06	647.99 -	25
- Minimum	26 648.54 +	648.46	648.44	648.30	648.27	648.15	648.17	648.17	648.07	648.06	648.06	648.03	26
	27 648.48	648.43	648.43	648.31	648.23	648.17	648.15	648.08 -	648.07	648.08	648.09	648.08	27
	28 648.45	648.39	648.38	648.33	648.22	648.17	648.16	648.10	648.10	648.04 -	648.09	648.13	28
	29 648.46	648.37	648.37	648.33	648.21	648.15	648.17	648.13	648.10	648.07	648.10	648.13	29
	30 648.46	648.34	648.34	648.33	648.23	648.12	648.18	648.14	648.10	648.10	648.05	648.16	30
	31 648.41 -	648.32	648.32	648.33	648.21	648.12	648.19	648.14	648.10	648.12	648.05	648.13	31
Monatsmittel	648.47 +	648.43	648.39	648.33	648.25	648.17	648.17	648.14	648.10	648.11	648.08	648.07 -	m ü.M.
Spitze Datum	648.56 + 26.	648.51 15.	648.49 12.	648.41 2.	648.33 2.	648.27 4.	648.28 17.	648.23 6.	648.20 18.	648.21 24.	648.19 - 3.	648.30 16.	m ü.M.
Amplitude	0.16	0.19	0.23	0.15 -	0.18	0.17	0.17	0.18	0.18	0.18	0.19	0.35 +	m
Jahr	Mittel: 648.22		Spitze: 648.56 (26.01.2011)				Minimum: 647.95 (08.12.2011)				Amplitude: 0.61		



Periode	1997 - 2011 (14 Jahre)												
Monatsmittel	648.13	648.11	648.10	648.10	648.09 -	648.10	648.11	648.13	648.14 +	648.14 +	648.14 +	648.13	m ü.M.
Monats-Spitze Jahr	648.70 2003	648.71 2003	648.64 2003	648.67 2003	648.55 2003	648.53 - 1999	648.70 1999	648.81 1999	648.86 + 1999	648.77 1999	648.73 1999	648.77 1999	m ü.M.
Monats-Minimum Jahr	647.73 2005	647.73 2005	647.70 - 2005	647.71 2005	647.72 2005	647.70 - 2005	647.70 - 2005	647.71 2005	647.82 + 1998	647.82 + 1997	647.78 1997	647.75 2004	m ü.M.
Monats-Amplitude Jahr	0.35 2010	0.29 1997	0.34 2008	0.35 2000	0.26 1999	0.24 1999	0.24 1999	0.27 2005	0.23 - 2000	0.26 2010	0.40 2010	0.41 + 2010	m ü.M.
Periode	Mittel: 648.12		Spitze: 648.86 (20.09.1999)				Minimum: 647.70 (06.03.2005)				Amplitude: 1.16		



Grundwasserstände

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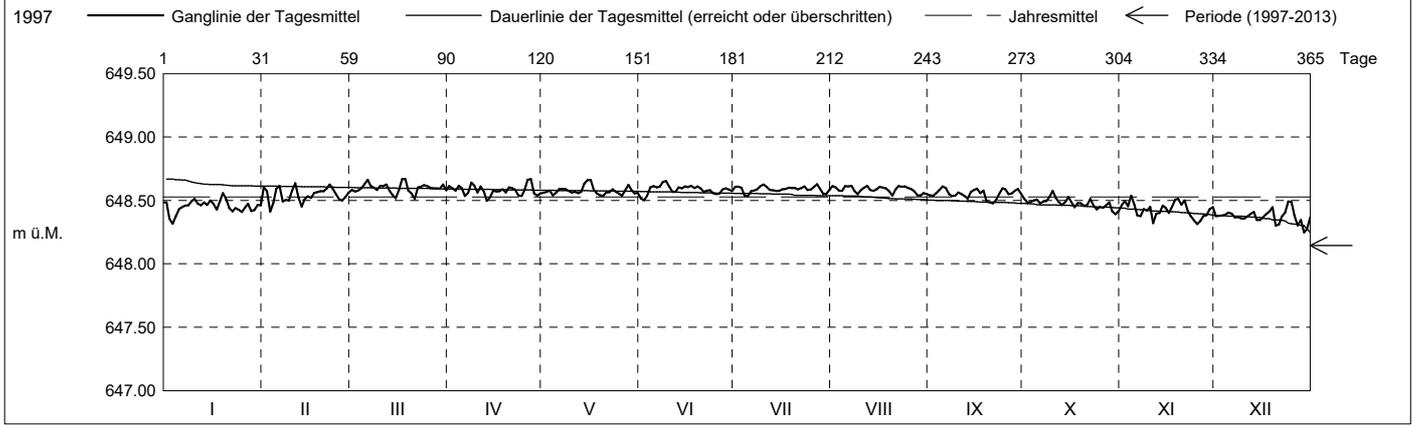
Koordinaten: 2'687'792' / 1'226'997'

Amt für Umwelt

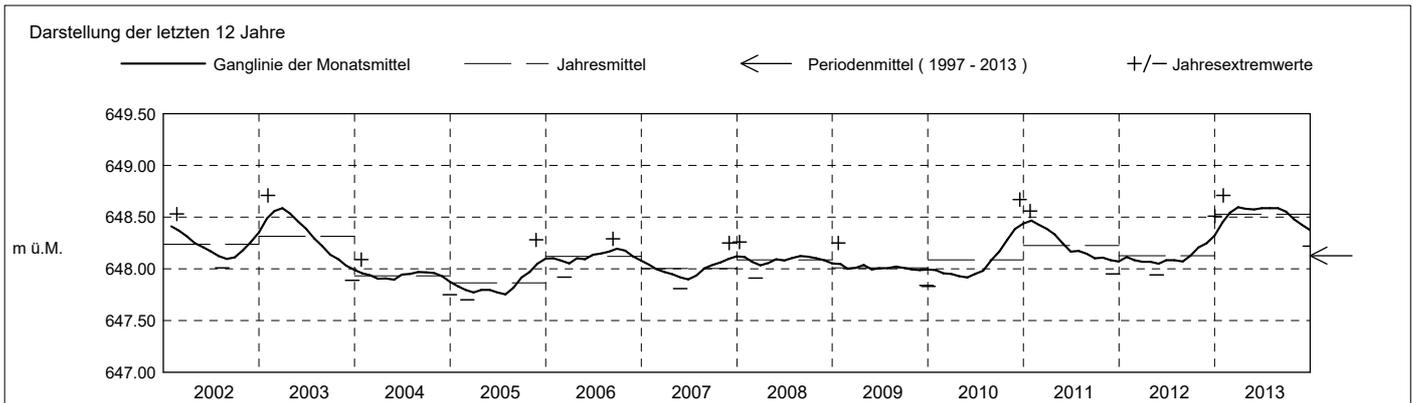
Abstichpunkt: 673.29 m ü.M. OK Terrain: 673.63 m ü.M.

2013	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1 648.49	648.61	648.58	648.61	648.56	648.52	648.61	648.61	648.54	648.51	648.46	648.38	1
	2 648.36	648.57	648.57	648.59	648.57	648.50 -	648.61	648.60	648.54	648.48	648.50	648.38	2
	3 648.32 -	648.41 -	648.58	648.58	648.58	648.54	648.60	648.58	648.56	648.49	648.45	648.38	3
	4 648.38	648.48	648.59	648.62	648.54 -	648.60	648.54	648.58	648.58	648.50	648.54 +	648.39	4
	5 648.43	648.59	648.63	648.60	648.56	648.61	648.53 -	648.61	648.61 +	648.51	648.46	648.40	5
	6 648.45	648.62	648.66	648.53	648.59	648.60	648.57	648.61	648.60	648.48	648.38	648.40	6
	7 648.46	648.49	648.62	648.56	648.59	648.61	648.58	648.62 +	648.55	648.49	648.38	648.37	7
	8 648.46	648.50	648.60	648.64	648.59	648.65 +	648.57	648.59	648.57	648.49	648.43	648.37	8
	9 648.49	648.50	648.58	648.62	648.58	648.65 +	648.61	648.61	648.55	648.53	648.42	648.36	9
	10 648.51	648.58	648.61	648.56	648.56	648.61	648.63 +	648.58	648.56	648.57 +	648.45	648.36	10
m ü.M.	11 648.47	648.64 +	648.61	648.61	648.57	648.57	648.61	648.60	648.55	648.52	648.32	648.37	11
	12 648.46	648.52	648.62	648.57	648.56	648.57	648.58	648.62 +	648.53	648.49	648.40	648.39	12
	13 648.48	648.45	648.58	648.50 -	648.57	648.60	648.58	648.58	648.51	648.46	648.40	648.41	13
	14 648.46	648.51	648.54	648.53	648.63	648.59	648.58	648.58	648.57	648.49	648.46	648.35	14
	15 648.50	648.53	648.52	648.58	648.66 +	648.61	648.58	648.59	648.58	648.53	648.44	648.35	15
	16 648.47	648.52	648.58	648.57	648.66 +	648.60	648.59	648.61	648.59	648.49	648.40	648.37	16
	17 648.43	648.56	648.67 +	648.57	648.59	648.62	648.59	648.60	648.56	648.45	648.45	648.39	17
	18 648.49	648.57	648.67 +	648.59	648.55	648.60	648.60	648.60	648.58	648.48	648.51	648.41	18
	19 648.56 +	648.57	648.58	648.56	648.54 -	648.61	648.60	648.57	648.49	648.48	648.51	648.45	19
	20 648.51	648.57	648.56	648.60	648.54 -	648.59	648.60	648.54 -	648.49	648.46	648.47	648.30	20
+ Maximum	21 648.44	648.60	648.51 -	648.60	648.56	648.57	648.59	648.59	648.48 -	648.46	648.50	648.31	21
	22 648.41	648.62	648.60	648.58	648.56	648.60	648.61	648.50	648.51	648.41	648.37	648.30	22
	23 648.44	648.59	648.61	648.54	648.59	648.58	648.61	648.55	648.46	648.38	648.40	648.40	23
	24 648.43	648.55	648.62	648.54	648.57	648.56	648.58	648.61	648.59	648.43	648.34	648.49 +	24
	25 648.41	648.51	648.61	648.58	648.56	648.55	648.58	648.60	648.59	648.45	648.31 -	648.49 +	25
	26 648.45	648.50	648.60	648.66	648.54 -	648.55	648.61	648.59	648.55	648.44	648.34	648.38	26
	27 648.47	648.53	648.59	648.67 +	648.58	648.59	648.63 +	648.57	648.56	648.46	648.38	648.30	27
	28 648.42	648.56	648.59	648.56	648.62	648.60	648.59	648.54 -	648.58	648.49	648.38	648.34	28
	29 648.42	648.59	648.59	648.54	648.58	648.58	648.55	648.54 -	648.59	648.41	648.43	648.25 -	29
	30 648.46	648.63	648.63	648.56	648.56	648.57	648.55	648.56	648.55	648.39 -	648.45	648.27	30
31 648.46	648.58	648.58	648.56	648.56	648.57	648.59	648.55	648.55	648.42	648.37	648.30	31	
Monatsmittel	648.45	648.54	648.60 +	648.58	648.58	648.59	648.59	648.59	648.55	648.48	648.43	648.37 -	m ü.M.
Spitze Datum	648.57 19.	648.71 + 2.	648.69 17.	648.71 + 27.	648.69 16.	648.67 8.	648.65 27.	648.64 7.	648.62 5.	648.61 10.	648.57 4.	648.54 - 25.	m ü.M.
Amplitude	0.27	0.32 +	0.20	0.22	0.17	0.18	0.13	0.11 -	0.15	0.24	0.27	0.32 +	m

Jahr Mittel: 648.53 Spitze: 648.71 (02.02.2013) Minimum: 648.22 (29.12.2013) Amplitude: 0.49



Periode	1997 - 2013 (16 Jahre)												
Monatsmittel	648.15	648.13	648.13	648.13	648.12 -	648.12 -	648.13	648.16	648.16	648.17 +	648.16	648.16	m ü.M.
Monats-Spitze Jahr	648.70 2003	648.71 2003	648.69 2013	648.71 2013	648.69 2013	648.67 - 2013	648.70 1999	648.81 1999	648.86 + 1999	648.77 1999	648.73 1999	648.77 1999	m ü.M.
Monats-Minimum Jahr	647.73 2005	647.73 2005	647.70 - 2005	647.71 2005	647.72 2005	647.70 - 2005	647.70 - 2005	647.71 2005	647.82 + 1998	647.82 + 1997	647.78 1997	647.75 2004	m ü.M.
Monats-Amplitude Jahr	0.35 2010	0.32 2013	0.34 2008	0.35 2000	0.26 1999	0.24 1999	0.24 1999	0.27 2005	0.23 - 2000	0.31 2012	0.40 2010	0.41 + 2010	m ü.M.
Periode	Mittel: 648.14 Spitze: 648.86 (20.09.1999) Minimum: 647.70 (06.03.2005) Amplitude: 1.16												



Grundwasserstände

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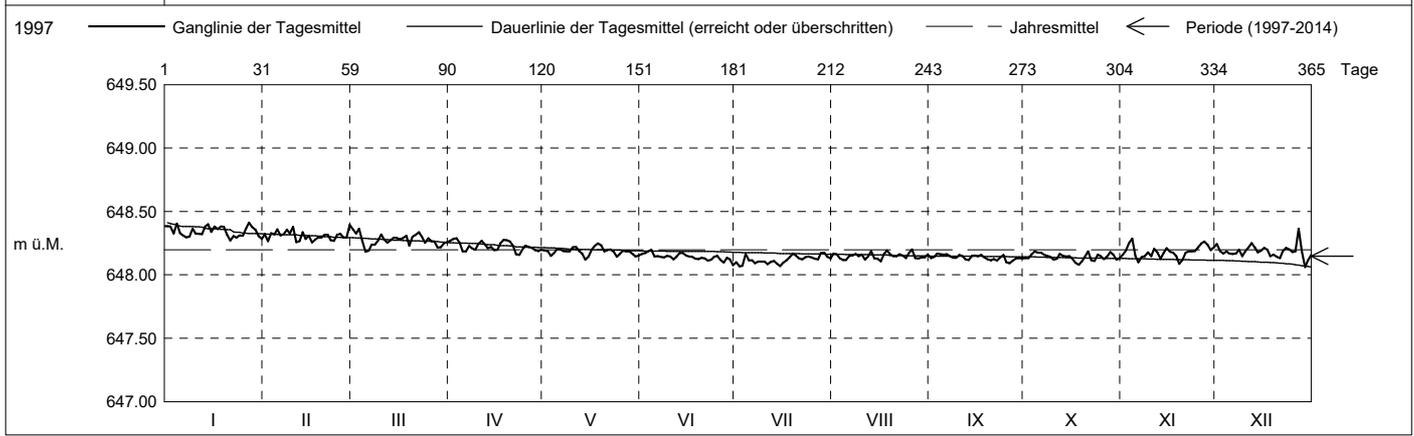
Koordinaten: 2'687'792' / 1'226'997'

Amt für Umwelt

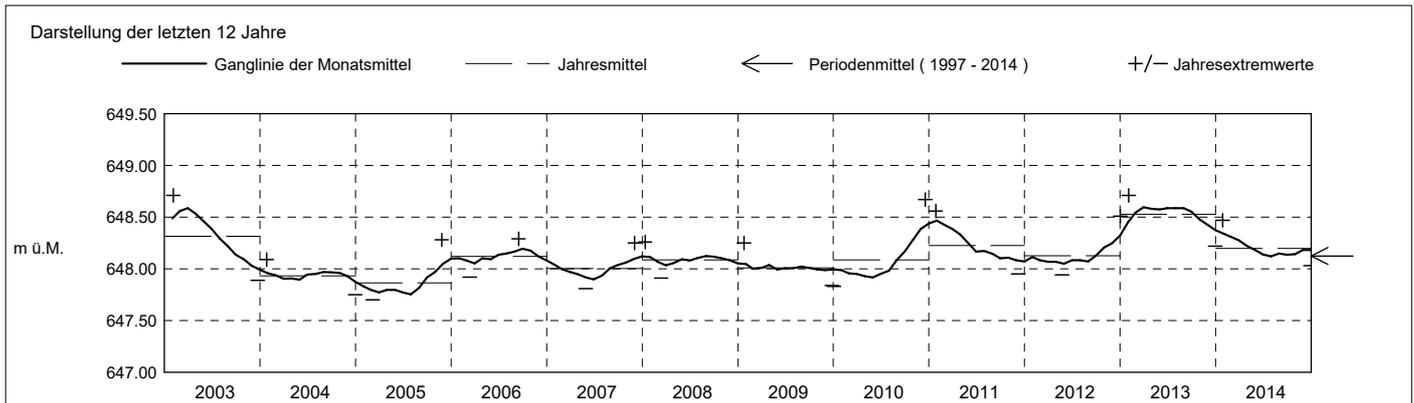
Abstichpunkt: 673.29 m ü.M. OK Terrain: 673.63 m ü.M.

2014	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1 648.38	648.32	648.36 +	648.27	648.19	648.16	648.10	648.17	648.13	648.13	648.16	648.24	1
	2 648.38	648.27	648.33	648.28	648.19	648.17	648.07 -	648.16	648.14	648.13	648.19	648.19	2
	3 648.33	648.33	648.36 +	648.29 +	648.15	648.18	648.07 -	648.13	648.17 +	648.16	648.25	648.17	3
	4 648.40	648.32	648.27	648.25	648.17	648.20 +	648.16	648.12	648.16	648.18 +	648.29 +	648.18	4
	5 648.33	648.36	648.18 -	648.18	648.20	648.14	648.11	648.12	648.16	648.17	648.15	648.17	5
	6 648.31	648.31	648.19	648.18	648.20	648.15	648.11	648.15	648.16	648.18 +	648.10	648.16	6
	7 648.29	648.32	648.24	648.23	648.19	648.14	648.09	648.15	648.15	648.16	648.14	648.17	7
	8 648.30	648.36	648.24	648.21	648.18	648.14	648.10	648.16	648.13	648.15	648.15	648.20	8
	9 648.36	648.33	648.27	648.20	648.18	648.15	648.10	648.15	648.14	648.14	648.18	648.15	9
	10 648.33	648.38	648.32	648.24	648.22	648.14	648.10	648.16	648.16	648.12	648.15	648.18	10
m ü.M.	11 648.32	648.26 -	648.28	648.27	648.22	648.12	648.09	648.12	648.15	648.13	648.21	648.21	11
	12 648.32	648.27	648.25	648.24	648.19	648.14	648.10	648.15	648.12	648.16	648.18	648.25	12
	13 648.38	648.34	648.27	648.21	648.17	648.17	648.11	648.19	648.12	648.15	648.13	648.21	13
	14 648.40	648.28	648.29	648.22	648.12 -	648.17	648.09	648.13	648.15	648.14	648.17	648.18	14
	15 648.34	648.31	648.29	648.20	648.14	648.15	648.07 -	648.13	648.15	648.15	648.21	648.19	15
	16 648.38	648.26 -	648.28	648.20	648.20	648.14	648.10	648.11 -	648.15	648.13	648.18	648.21	16
	17 648.36	648.28	648.29	648.25	648.23	648.14	648.11	648.16	648.16	648.09	648.17	648.20	17
	18 648.38	648.30	648.31	648.28	648.25 +	648.13	648.14	648.19	648.14	648.08 -	648.15	648.15	18
	19 648.38	648.29	648.23	648.27	648.23	648.12	648.17 +	648.16	648.12	648.11	648.09 -	648.16	19
	20 648.32	648.32	648.30	648.26	648.18	648.13	648.15	648.15	648.15	648.11	648.15	648.14	20
+ Maximum	21 648.27 -	648.32	648.31	648.23	648.20	648.13	648.13	648.15	648.12	648.18 +	648.17	648.13	21
	22 648.30	648.27	648.34	648.16 -	648.20	648.10	648.12	648.16	648.11	648.18	648.19	648.19	22
	23 648.29	648.27	648.30	648.16 -	648.18	648.12	648.14	648.15	648.14	648.11	648.18	648.21	23
	24 648.31	648.32	648.25	648.20	648.14	648.14	648.14	648.13	648.16	648.16	648.19	648.20	24
	25 648.31	648.32	648.29	648.23	648.16	648.15	648.14	648.17	648.10	648.15	648.22	648.18	25
	26 648.37	648.30	648.26	648.22	648.19	648.12	648.13	648.20 +	648.09 -	648.12	648.25	648.18	26
	27 648.41 +	648.29	648.26	648.21	648.18	648.10	648.12	648.13	648.11	648.15	648.26	648.36 +	27
	28 648.38	648.39 +	648.22	648.20	648.18	648.14	648.17 +	648.13	648.13	648.18 +	648.24	648.18	28
	29 648.36		648.22	648.19	648.17	648.12	648.17 +	648.14	648.13	648.16	648.19	648.06 -	29
	30 648.31		648.25	648.20	648.14	648.08 -	648.14	648.14	648.13	648.12	648.22	648.11	30
31 648.28		648.26	648.15	648.15	648.13	648.13	648.16	648.13	648.12	648.16	648.16	31	
Monatsmittel	648.34 +	648.31	648.27	648.22	648.18	648.14	648.12 -	648.15	648.14	648.14	648.18	648.18	m ü.M.
Spitze Datum	648.47 + 27.	648.44 10.	648.40 3.	648.30 2.	648.26 18.	648.22 4.	648.20 4.	648.23 13.	648.18 - 3.	648.24 21.	648.31 4.	648.40 27.	m ü.M.
Amplitude	0.21	0.22	0.24	0.16	0.15	0.15	0.16	0.13	0.10 -	0.17	0.24	0.37 +	m

Jahr Mittel: 648.20 Spitze: 648.47 (27.01.2014) Minimum: 648.03 (29.12.2014) Amplitude: 0.44



Periode	1997 - 2014 (17 Jahre)												
Monatsmittel	648.16	648.14	648.14	648.13	648.12 -	648.12 -	648.13	648.16	648.16	648.17 +	648.16	648.16	m ü.M.
Monats-Spitze Jahr	648.70 2003	648.71 2003	648.69 2013	648.71 2013	648.69 2013	648.67 - 2013	648.70 1999	648.81 1999	648.86 + 1999	648.77 1999	648.73 1999	648.77 1999	m ü.M.
Monats-Minimum Jahr	647.73 2005	647.73 2005	647.70 - 2005	647.71 2005	647.72 2005	647.70 - 2005	647.70 - 2005	647.71 2005	647.82 + 1998	647.82 + 1997	647.78 1997	647.75 2004	m ü.M.
Monats-Amplitude Jahr	0.35 2010	0.32 2013	0.34 2008	0.35 2000	0.26 1999	0.24 1999	0.24 1999	0.27 2005	0.23 - 2000	0.31 2012	0.40 2010	0.41 + 2010	m ü.M.
Periode	Mittel: 648.15 Spitze: 648.86 (20.09.1999) Minimum: 647.70 (06.03.2005) Amplitude: 1.16												



Grundwasserstände

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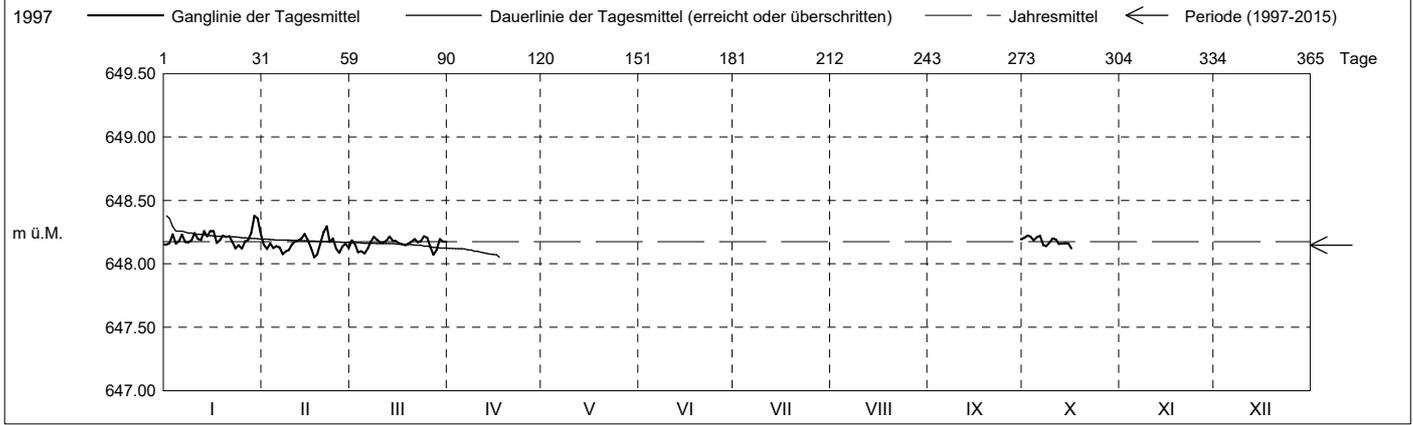
Koordinaten: 2'687'792' / 1'226'997'

Amt für Umwelt

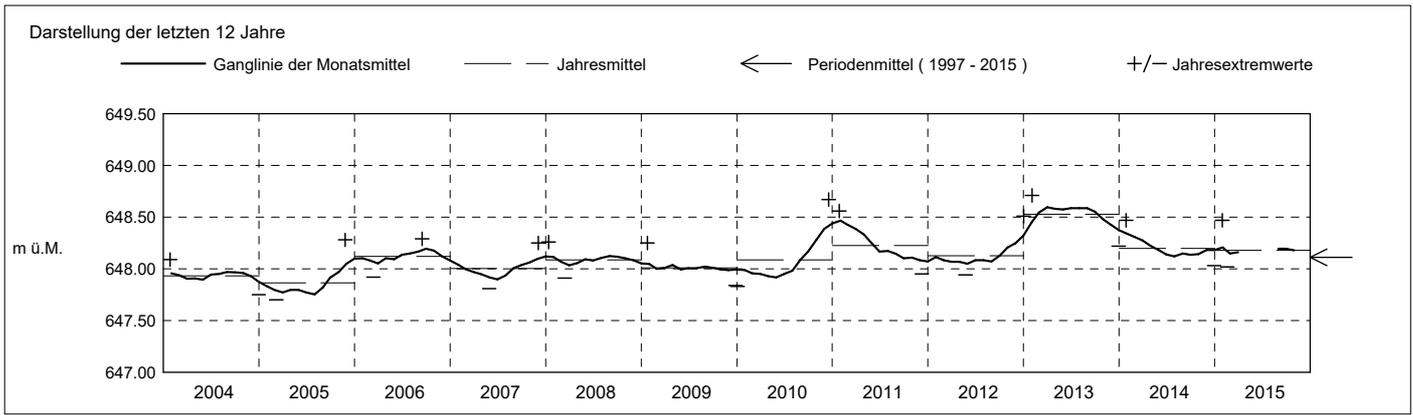
Abstichpunkt: 673.29 m ü.M. OK Terrain: 673.63 m ü.M.

2015		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember		
Tagesmittel	1	648.15	648.15	648.18							648.21			1	
	2	648.16	648.12	648.15							648.22 +			2	
	3	648.23	648.16	648.09							648.22 +			3	
	4	648.16	648.13	648.10							648.18			4	
	5	648.18	648.14	648.08							648.21			5	
	6	648.23	648.13	648.12							648.22 +			6	
	7	648.17	648.08	648.17							648.15			7	
	8	648.17	648.10	648.21							648.14			8	
	9	648.19	648.11	648.19							648.17			9	
	10	648.24	648.16	648.17							648.20			10	
m ü.M.	11	648.20	648.18	648.17							648.19			11	
	12	648.19	648.18	648.18							648.16			12	
	13	648.26	648.20	648.21							648.16			13	
	14	648.22	648.24	648.18							648.16			14	
	15	648.26	648.19	648.18							648.16			15	
	16	648.26	648.12	648.16							648.12 -			16	
	17	648.17	648.05 -	648.15										17	
	18	648.19	648.07	648.15										18	
	19	648.22	648.16	648.16										19	
	20	648.21	648.25	648.17										20	
+ Maximum	21	648.22	648.29 +	648.19										21	
	22	648.17	648.17	648.17										22	
	23	648.12 -	648.20	648.18										23	
	24	648.15	648.12	648.22 +										24	
	25	648.12 -	648.09	648.21										25	
	- Minimum	26	648.18	648.13	648.13										26
		27	648.19	648.16	648.07 -										27
		28	648.24	648.12	648.11										28
		29	648.38 +		648.19										29
		30	648.36		648.17						648.19 -				30
		31	648.23		648.17										31
Monatsmittel	648.21 +	648.15 -	648.16							648.19	648.18			m ü.M.	
Spitze Datum	648.47 + 29.	648.33 21.	648.24 30.							648.21 - 30.	648.25 6.			m ü.M.	
Amplitude	0.37 +	0.31	0.19							0.02 -	0.13			m	

Jahr Mittel: 648.17 Spitze: 648.47 (29.01.2015) Minimum: 648.02 (17.02.2015) Amplitude: 0.45



Periode	1997 - 2015 (18 Jahre)												
Monatsmittel	648.16	648.14	648.14	648.13	648.12 -	648.12 -	648.13	648.16	648.16	648.17 +	648.16	648.16	m ü.M.
Monats-Spitze Jahr	648.70 2003	648.71 2003	648.69 2013	648.71 2013	648.69 2013	648.67 - 2013	648.70 1999	648.81 1999	648.86 + 1999	648.77 1999	648.73 1999	648.77 1999	m ü.M.
Monats-Minimum Jahr	647.73 2005	647.73 2005	647.70 - 2005	647.71 2005	647.72 2005	647.70 - 2005	647.70 - 2005	647.71 2005	647.82 + 1998	647.82 + 1997	647.78 1997	647.75 2004	m ü.M.
Monats-Amplitude Jahr	0.37 2015	0.32 2013	0.34 2008	0.35 2000	0.26 1999	0.24 1999	0.24 1999	0.27 2005	0.23 - 2000	0.31 2012	0.40 2010	0.41 + 2010	m ü.M.
Periode	Mittel: 648.15			Spitze: 648.86 (20.09.1999)			Minimum: 647.70 (06.03.2005)			Amplitude: 1.16			



Grundwasserstände

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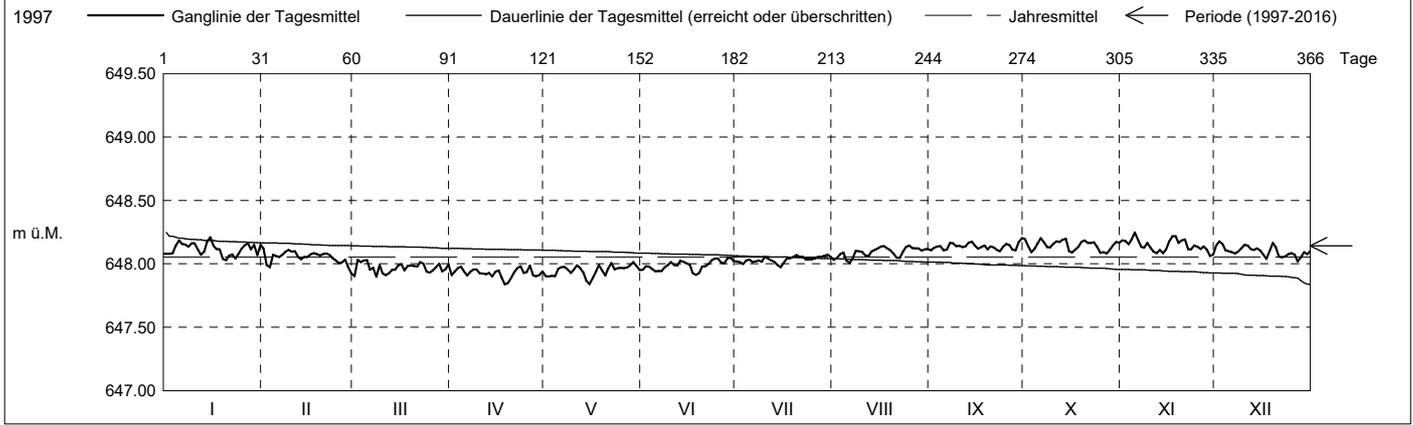
Koordinaten: 2'687'792' / 1'226'997'

Amt für Umwelt

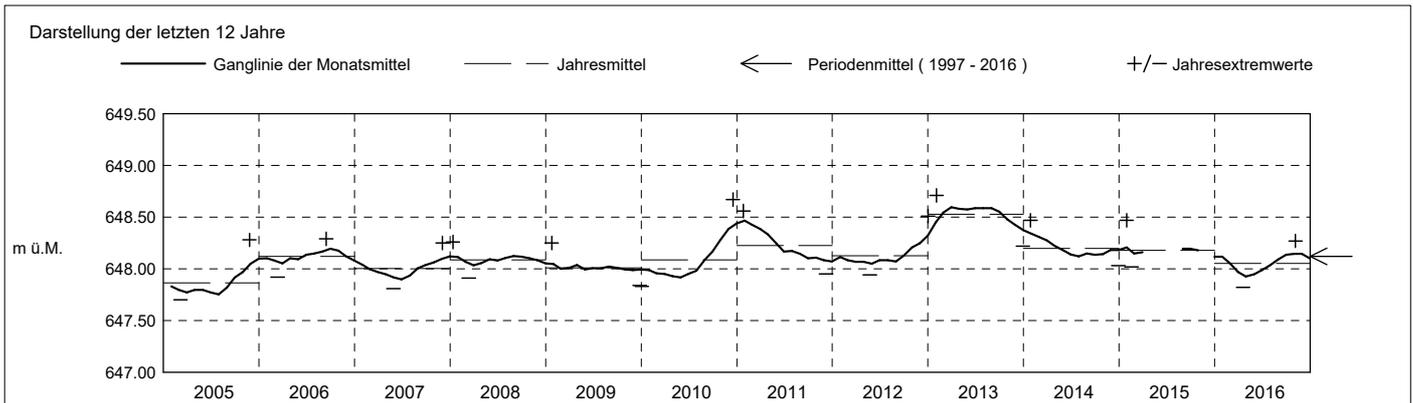
Abstichpunkt: 673.29 m ü.M. OK Terrain: 673.63 m ü.M.

2016	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1 648.08	648.12 +	647.90 -	647.91	647.90	647.95	648.02	648.03	648.11	648.19	648.19	648.15	1
	2 648.08	647.99	648.03 +	647.94	647.90	647.98	648.01	648.05	648.13	648.14	648.18	648.18 +	2
	3 648.08	647.97	648.01	647.96	647.91	647.98	648.00	648.08	648.14	648.09	648.15	648.15	3
	4 648.14	648.07	648.03 +	647.98 +	647.90	647.96	648.03	648.09	648.14	648.12	648.19	648.11	4
	5 648.19	648.06	648.03 +	647.94	647.96	647.94	648.03	648.03	648.11	648.16	648.25 +	648.10	5
	6 648.16	648.05	647.95	647.91	647.97	647.94	648.01	648.01 -	648.11	648.20 +	648.19	648.09	6
	7 648.15	648.07	647.97	647.94	647.98	647.94	648.02	648.04	648.17	648.17	648.13	648.08	7
	8 648.13	648.10	647.90 -	647.96	647.96	647.97	648.03	648.10	648.16	648.13	648.13	648.10	8
	9 648.16	648.11	647.99	647.96	647.93	647.99	648.02	648.10	648.14	648.13	648.16	648.12	9
	10 648.16	648.10	647.92	647.93	647.95	648.01	648.06	648.09	648.14	648.16	648.13	648.15	10
m ü.M.	11 648.11	648.10	647.91	647.92	647.99	647.99	648.04	648.07	648.13	648.18	648.10	648.14	11
	12 648.07	648.05	647.93	647.92	647.97	647.99	648.03	648.06	648.14	648.17	648.08	648.12	12
	13 648.10	648.04	647.95	647.93	647.93	648.02	648.02	648.10	648.17	648.19	648.11	648.11	13
	14 648.17	648.05	647.95	647.90	647.87	648.02	647.99	648.11	648.17	648.20 +	648.08	648.12	14
	15 648.21 +	648.05	647.99	647.94	647.84 -	648.00	647.97 -	648.12	648.14	648.10	648.11	648.10	15
	16 648.14	648.07	648.00	647.95	647.89	647.99	648.01	648.14 +	648.12	648.09	648.18	648.07	16
	17 648.12	648.08	647.95	647.89	647.94	647.92	648.04	648.14 +	648.13	648.11	648.22	648.04	17
	18 648.11	648.08	647.98	647.84 -	647.99	647.91 -	648.04	648.12	648.15	648.14	648.22	648.10	18
	19 648.04	648.07	647.98	647.85	647.95	647.93	648.05	648.11	648.11	648.17	648.17	648.16	19
	20 648.03 -	648.08	647.98	647.89	647.91	647.98	648.07 +	648.08	648.14	648.18	648.18	648.13	20
+ Maximum	21 648.07	648.08	647.98	647.93	647.96	647.98	648.06	648.05	648.13	648.16	648.19	648.06	21
	22 648.08	648.07	648.01	647.97	648.01 +	648.00	648.06	648.05	648.11	648.16	648.11	648.05	22
	23 648.04	648.04	648.00	647.98 +	647.96	648.03	648.03	648.10	648.10 -	648.17	648.11	648.06	23
	24 648.08	648.03	647.94	647.93	647.96	648.04	648.03	648.13	648.13	648.13	648.14	648.08	24
	25 648.12	648.01	647.93	647.93	647.97	648.04	648.04	648.14 +	648.16	648.09	648.13	648.08	25
	26 648.15	648.01	647.95	647.98 +	647.96	648.01	648.04	648.12	648.15	648.09	648.12	648.07	26
	27 648.16	648.03	647.97	647.91	647.97	648.00	648.05	648.12	648.11	648.08 -	648.14	648.02 -	27
	28 648.11	647.98	648.00	647.90	647.99	648.04	648.06	648.12	648.11	648.11	648.11	648.05	28
	29 648.15	647.93 -	647.94	647.91	648.01 +	648.05 +	648.06	648.10	648.18	648.14	648.06 -	648.09	29
	30 648.07		647.96	647.94	647.98	648.02	648.07 +	648.11	648.20 +	648.17	648.07	648.08	30
31 648.15		647.99	647.94	647.95	647.95	648.05	648.12	648.12	648.17	648.10	648.10	31	
Monatsmittel	648.12	648.05	647.97	647.93 -	647.95	647.99	648.03	648.09	648.14	648.15 +	648.14	648.10	m ü.M.
Spitze Datum	648.24 15.	648.22 1.	648.09 2.	648.00 - 23.	648.03 22.	648.07 24.	648.08 20.	648.15 16.	648.21 30.	648.22 1.	648.27 + 5.	648.18 1.	m ü.M.
Amplitude	0.23	0.35 +	0.22	0.18	0.20	0.17	0.11 -	0.15	0.13	0.15	0.22	0.17	m

Jahr Mittel: 648.05 Spitze: 648.27 (05.11.2016) Minimum: 647.82 (18.04.2016) Amplitude: 0.45



Periode	1997 - 2016 (19 Jahre)												
Monatsmittel	648.16 +	648.14	648.13	648.12	648.11 -	648.12	648.13	648.15	648.16 +	648.16 +	648.16 +	648.16 +	m ü.M.
Monats-Spitze Jahr	648.70 2003	648.71 2003	648.69 2013	648.71 2013	648.69 2013	648.67 - 2013	648.70 1999	648.81 1999	648.86 + 1999	648.77 1999	648.73 1999	648.77 1999	m ü.M.
Monats-Minimum Jahr	647.73 2005	647.73 2005	647.70 - 2005	647.71 2005	647.72 2005	647.70 - 2005	647.70 - 2005	647.71 2005	647.82 + 1998	647.82 + 1997	647.78 1997	647.75 2004	m ü.M.
Monats-Amplitude Jahr	0.37 2015	0.35 2016	0.34 2008	0.35 2000	0.26 1999	0.24 1999	0.24 1999	0.27 2005	0.23 - 2000	0.31 2012	0.40 2010	0.41 + 2010	m ü.M.
Periode	Mittel: 648.14 Spitze: 648.86 (20.09.1999) Minimum: 647.70 (06.03.2005) Amplitude: 1.16												



Grundwasserstände

Nr. 2207 Winzwilen - Menzingen

KANTON ZUG

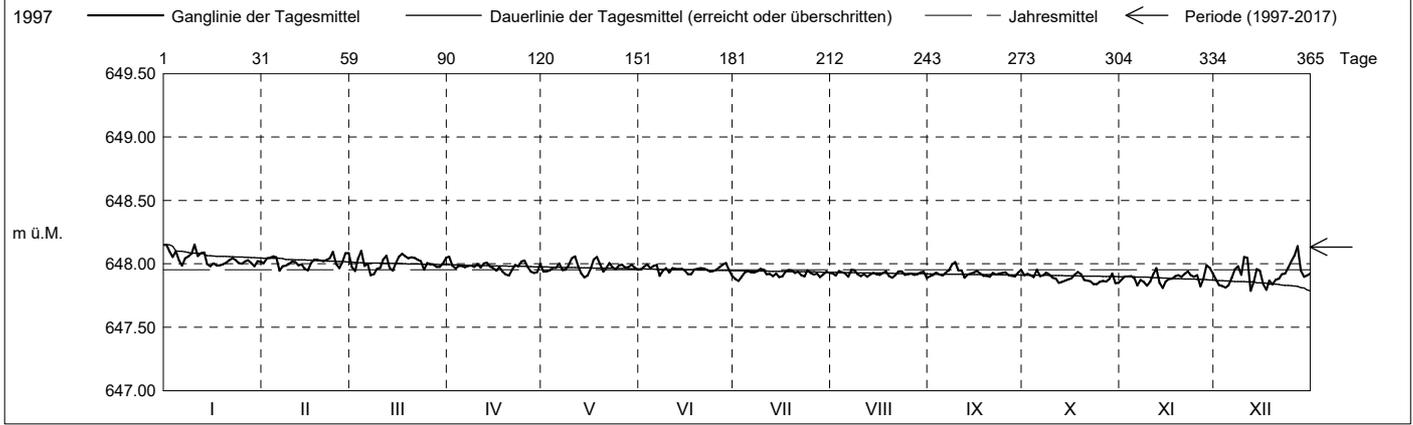
Koordinaten: 2'687'792' / 1'226'997'

Amt für Umwelt

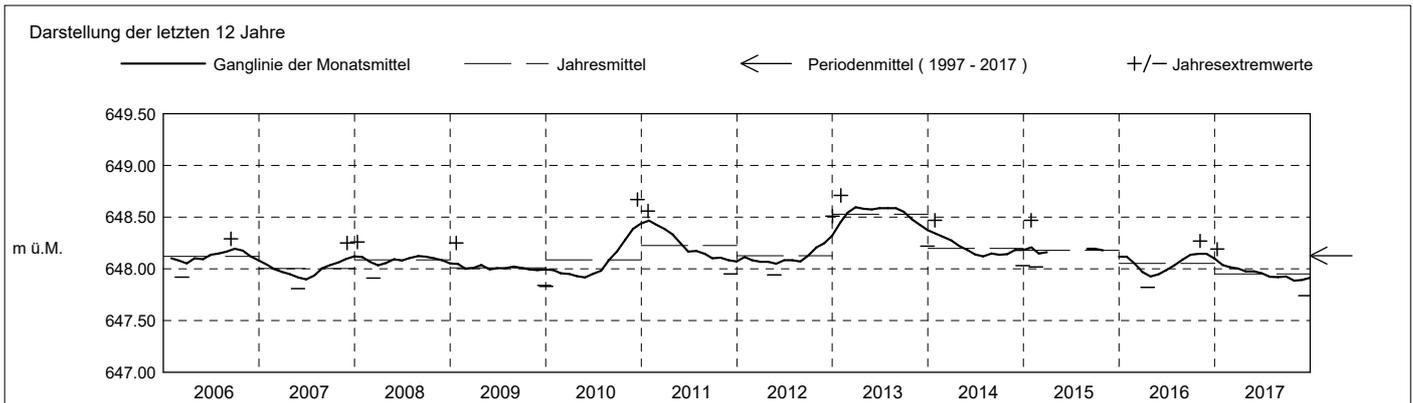
Abstichpunkt: 673.29 m ü.M. OK Terrain: 673.63 m ü.M.

2017	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember		
Tagesmittel	1 648.15 +	648.01	647.97	648.06 +	647.94	647.96	647.88	647.92	647.90	647.91	647.88	647.88	1	
	2 648.10	648.04	647.94	647.99	647.94	647.98	647.87 -	647.91	647.91	647.92	647.90	647.83	2	
	3 648.05	648.05	648.04	647.96	647.95	648.00	647.90	647.94	647.93	647.91	647.90	647.83	3	
	4 648.10	648.06	648.10 +	647.98	647.97	647.96	647.93	647.93	647.92	647.90	647.90	647.81	4	
	5 648.03	648.05	647.98	647.98	647.97	647.98	647.94	647.92	647.91	647.95 +	647.88	647.83	5	
	6 647.99	647.95 -	648.00	647.97	648.00	647.99	647.93	647.90	647.93	647.90	647.83	647.89	6	
	7 648.04	647.98	647.91 -	647.98	647.95	647.91 -	647.93	647.95 +	647.95	647.91	647.87	647.96	7	
	8 648.06	647.98	647.92	647.98	647.95	647.95	647.94	647.95 +	647.99	647.93	647.86	647.98	8	
	9 648.08	648.00	647.96	647.97	647.99	647.96	647.96	647.96 +	647.92	648.01 +	647.92	647.83	647.91	9
	10 648.15 +	648.02	647.97	648.00	647.99	647.93	647.95	647.90	647.95	647.89	647.86	648.05	10	
m ü.M.	11 648.06	648.01	648.03	647.97	648.06 +	647.96	647.92	647.92	647.95	647.88	647.92	648.05	11	
	12 648.09	647.99	648.06	648.00	647.98	647.96	647.92	647.90	647.89	647.85	647.97	647.79 -	12	
	13 648.09	647.99	647.97	648.01	647.92	647.96	647.90	647.92	647.91	647.86	647.85	647.86	13	
	14 648.00	647.96	647.95	647.98	647.89 -	647.96	647.92	647.93	647.92	647.87	647.81 -	647.96	14	
	15 647.98 -	647.95 -	648.00	647.96	647.91	647.95	647.89	647.92	647.93	647.88	647.86	647.94	15	
	16 648.00	648.01	648.06	647.95	647.96	647.92	647.90	647.91	647.94	647.88	647.88	647.84	16	
	17 647.99	648.03	648.08	647.97	648.03	647.92	647.94	647.93	647.92	647.91	647.88	647.79 -	17	
	18 647.99	648.03	648.06	647.94	648.05	647.96	647.95	647.94	647.91	647.94	647.90	647.87	18	
	19 648.00	648.03	648.04	647.91 -	648.00	647.96	647.95	647.90	647.90	647.92	647.91	647.84	19	
	20 648.01	648.02	648.05	647.91 -	647.94	647.97	647.93	647.89	647.90	647.87	647.90	647.88	20	
+ Maximum	21 648.03	648.03	648.05	647.95	647.97	647.96	647.94	647.91	647.93	647.87	647.92	647.88	21	
	22 648.04	648.03	648.03	647.99	648.01	647.95	647.91	647.94	647.92	647.86	647.94	647.92	22	
	23 648.03	648.09 +	648.02	647.98	647.97	647.94	647.90	647.94	647.92	647.84 -	647.91	647.92	23	
	24 648.01	648.00	647.95	648.02	647.96	647.94	647.95	647.91	647.93	647.84 -	647.90	647.97	24	
	25 648.00	647.97	648.01	648.03	647.98	647.95	647.93	647.92	647.93	647.86	647.91	648.02	25	
	26 648.02	648.01	648.00	647.97	647.99	647.97	647.91	647.92	647.91	647.86	647.82	648.06	26	
	27 648.03	648.09 +	647.99	647.94	647.99	647.99	647.92	647.91	647.91	647.86	647.88	648.14 +	27	
	28 648.01	648.08	647.98	647.93	647.97	648.01 +	647.90	647.92	647.90	647.88	647.99 +	647.95	28	
	29 647.98 -	647.97	647.97	647.93	647.99	647.95	647.92	647.93	647.93	647.92	647.97	647.90	29	
	30 648.02	648.00	648.00	647.97	647.97	647.91 -	647.94	647.94	647.95	647.85	647.92	647.91	30	
31 648.02	648.05	648.05	647.95	647.95	647.91 -	647.93	647.89	647.95	647.85	647.92	647.92	31		
Monatsmittel	648.04 +	648.02	648.01	647.97	647.97	647.96	647.92	647.92	647.93	647.89 -	647.89 -	647.92	m ü.M.	
Spitze Datum	648.19 + 10.	648.14 28.	648.16 4.	648.07 1.	648.08 11.	648.03 6.	647.98 - 9.	647.99 8.	648.05 9.	647.98 - 5.	648.02 12.	648.17 27.	m ü.M.	
Amplitude	0.22	0.22	0.28	0.17	0.20	0.14	0.12 -	0.13	0.19	0.16	0.22	0.43 +	m	

Jahr Mittel: 647.95 Spitze: 648.19 (10.01.2017) Minimum: 647.74 (12.12.2017) Amplitude: 0.45



Periode	1997 - 2017 (20 Jahre)												
Monatsmittel	648.15 +	648.13	648.12	648.12	648.11 -	648.11 -	648.12	648.14	648.15 +	648.15 +	648.15 +	648.15 +	m ü.M.
Monats-Spitze Jahr	648.70 2003	648.71 2003	648.69 2013	648.71 2013	648.69 2013	648.67 - 2013	648.70 1999	648.81 1999	648.86 + 1999	648.77 1999	648.73 1999	648.77 1999	m ü.M.
Monats-Minimum Jahr	647.73 2005	647.73 2005	647.70 - 2005	647.71 2005	647.72 2005	647.70 - 2005	647.70 - 2005	647.71 2005	647.82 + 1998	647.82 + 1997	647.78 1997	647.74 2017	m ü.M.
Monats-Amplitude Jahr	0.37 2015	0.35 2016	0.34 2008	0.35 2000	0.26 1999	0.24 1999	0.24 1999	0.27 2005	0.23 - 2000	0.31 2012	0.40 2010	0.43 + 2017	m ü.M.
Periode	Mittel: 648.13 Spitze: 648.86 (20.09.1999) Minimum: 647.70 (06.03.2005) Amplitude: 1.16												



Grundwasserstände

Nr. 2207 Winzwilen - Menzingen

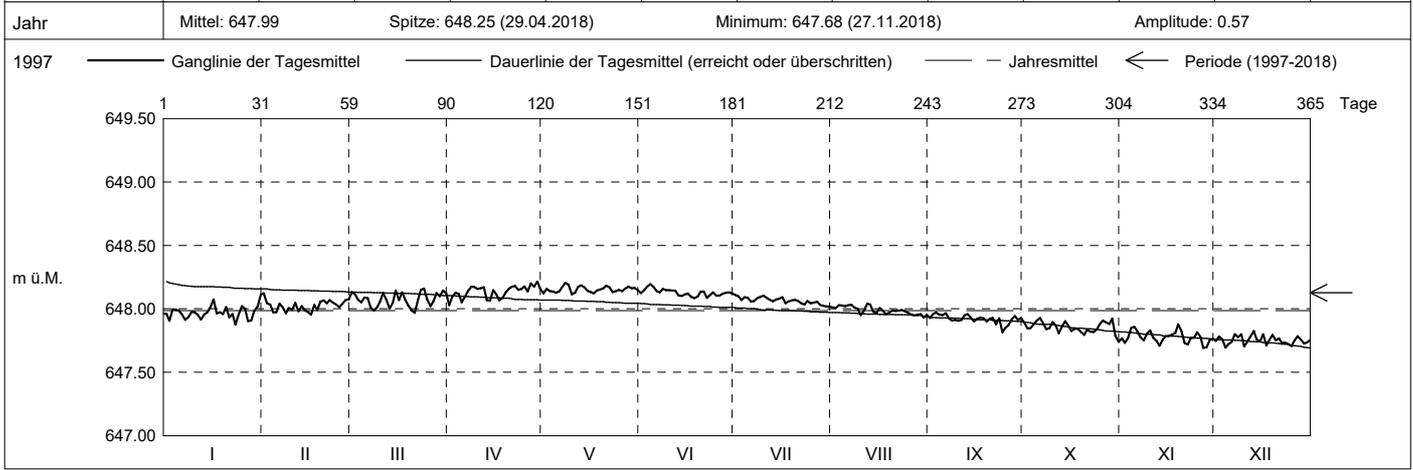
KANTON ZUG

Koordinaten: 2'687'792' / 1'226'997'

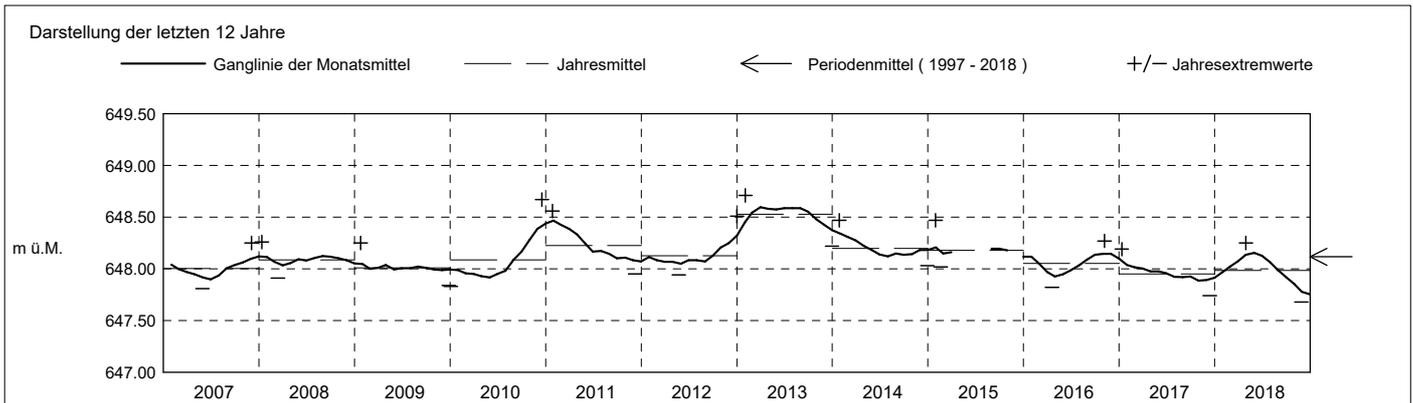
Amt für Umwelt

Abstichpunkt: 673.29 m ü.M. OK Terrain: 673.63 m ü.M.

2018	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1 647.96	648.12 +	648.13	648.03 -	648.12	648.12	648.11 +	648.01	647.93	647.89	647.77	647.75	1
	2 647.91	648.04	648.11	648.10	648.16	648.15	648.10	648.01	647.96	647.84	647.73	647.78	2
	3 648.00	648.03	648.07	648.13	648.14	648.17	648.07	648.03	647.97 +	647.85	647.77	647.76	3
	4 647.99	647.97	648.05	648.12	648.14	648.19 +	648.09	648.03	647.95	647.88	647.85	647.69 -	4
	5 647.98	647.97	648.09	648.05	648.13	648.17	648.09	648.02	647.95	647.91	647.86	647.72	5
	6 647.96	648.04	648.08	648.09	648.14	648.14	648.06	648.03	647.97 +	647.93 +	647.82	647.74	6
	7 647.91	648.01	648.01	648.14	648.17	648.13	648.06	648.03	647.92	647.88	647.78	647.80	7
	8 647.94	647.97	647.99	648.17	648.21 +	648.16	648.08	648.01	647.91	647.84	647.75	647.78	8
	9 647.98	648.01	648.01	648.17	648.19	648.15	648.09	648.00	647.91	647.85	647.80	647.80	9
	10 647.97	647.99	648.06	648.16	648.11 -	648.15	648.10	647.95	647.91	647.89	647.83	647.70	10
m ü.M.	11 647.95	648.05	648.13	648.16	648.13	648.14	648.09	647.99	647.91	647.87	647.77	647.74	11
	12 647.92	647.98	648.07	648.17	648.17	648.14	648.07	648.04 +	647.95	647.81	647.75	647.78	12
	13 647.96	648.02	648.00	648.07	648.19	648.10	648.06	648.03	647.96	647.86	647.71	647.82 +	13
	14 647.97	647.99	648.05	648.06	648.17	648.10	648.07	647.98	647.93	647.90	647.76	647.76	14
	15 648.01	647.98	648.14	648.15	648.14	648.11	648.08	647.97	647.90	647.86	647.79	647.74	15
	16 648.08	647.95 -	648.07	648.11	648.13	648.12	648.09	648.01	647.92	647.82	647.79	647.80	16
	17 647.96	648.03	648.13	648.07	648.12	648.09	648.04	647.98	647.93	647.84	647.80	647.71	17
	18 647.97	647.99	648.07	648.09	648.14	648.08 -	648.06	647.96	647.93	647.84	647.81	647.75	18
	19 647.96	648.06	648.03	648.13	648.15	648.10	648.07	647.97	647.90	647.82	647.88 +	647.79	19
	20 648.01	648.07	647.99	648.16	648.16	648.13	648.07	647.98	647.92	647.79	647.83	647.75	20
+ Maximum	21 647.93	648.04	647.97 -	648.18	648.18	648.14	648.06	647.98	647.93	647.83	647.73	647.77	21
	22 647.96	648.07	648.07	648.18	648.17	648.09	648.04	647.98	647.88	647.82	647.72	647.73	22
	23 647.88 -	648.05	648.15	648.15	648.13	648.11	648.03	647.99	647.93	647.82	647.77	647.73	23
	24 647.96	648.03	648.16 +	648.16	648.14	648.13	648.06	647.98	647.82 -	647.84	647.77	647.72	24
	25 648.02	648.01	648.07	648.18	648.15	648.10	648.04	647.97	647.85	647.88	647.82	647.71	25
	26 648.00	648.04	648.02	648.14	648.14	648.10	648.05	647.96	647.87	647.91	647.78	647.75	26
	27 647.90	648.07	648.06	648.20	648.16	648.12	648.06	647.95	647.92	647.89	647.69 -	647.78	27
	28 647.91	648.07	648.12	648.18	648.17	648.13	648.03	647.95	647.94	647.88	647.70	647.76	28
	29 647.99	648.10	648.22 +	648.16	648.16	648.13	648.02 -	647.96	647.91	647.92	647.76	647.73	29
	30 648.02	648.14	648.14	648.16	648.16	648.12	648.02 -	647.93 -	647.93	647.79	647.76	647.73	30
31 648.11 +	648.12	648.12	648.15	648.15	648.12	648.02 -	647.95	647.93	647.74 -	647.76	647.75	31	
Monatsmittel	647.97	648.02	648.07	648.13	648.15 +	648.13	648.06	647.99	647.92	647.85	647.78	647.75 -	m ü.M.
Spitze Datum	648.17 31.	648.17 1.	648.20 24.	648.25 + 29.	648.22 8.	648.21 4.	648.12 1.	648.06 12.	647.98 2.	648.00 29.	647.89 19.	647.86 - 9.	m ü.M.
Amplitude	0.31 +	0.24	0.25	0.24	0.16	0.14	0.11 -	0.14	0.19	0.31 +	0.21	0.18	m
Jahr	Mittel: 647.99		Spitze: 648.25 (29.04.2018)				Minimum: 647.68 (27.11.2018)				Amplitude: 0.57		



Periode	1997 - 2018 (21 Jahre)												
Monatsmittel	648.14 +	648.13	648.12	648.12	648.11 -	648.11 -	648.12	648.13	648.14 +	648.14 +	648.13	648.13	m ü.M.
Monats-Spitze Jahr	648.70 2003	648.71 2003	648.69 2013	648.71 2013	648.69 2013	648.67 - 2013	648.70 1999	648.81 1999	648.86 + 1999	648.77 1999	648.73 1999	648.77 1999	m ü.M.
Monats-Minimum Jahr	647.73 2005	647.73 2005	647.70 2005	647.71 2005	647.72 2005	647.70 2005	647.70 2005	647.71 2005	647.79 + 2018	647.69 2018	647.68 - 2018	647.68 - 2018	m ü.M.
Monats-Amplitude Jahr	0.37 2015	0.35 2016	0.34 2008	0.35 2000	0.26 1999	0.24 1999	0.24 1999	0.27 2005	0.23 - 2000	0.31 2012	0.40 2010	0.43 + 2017	m ü.M.
Periode	Mittel: 648.13		Spitze: 648.86 (20.09.1999)				Minimum: 647.68 (27.11.2018)				Amplitude: 1.18		



Grundwasserstände

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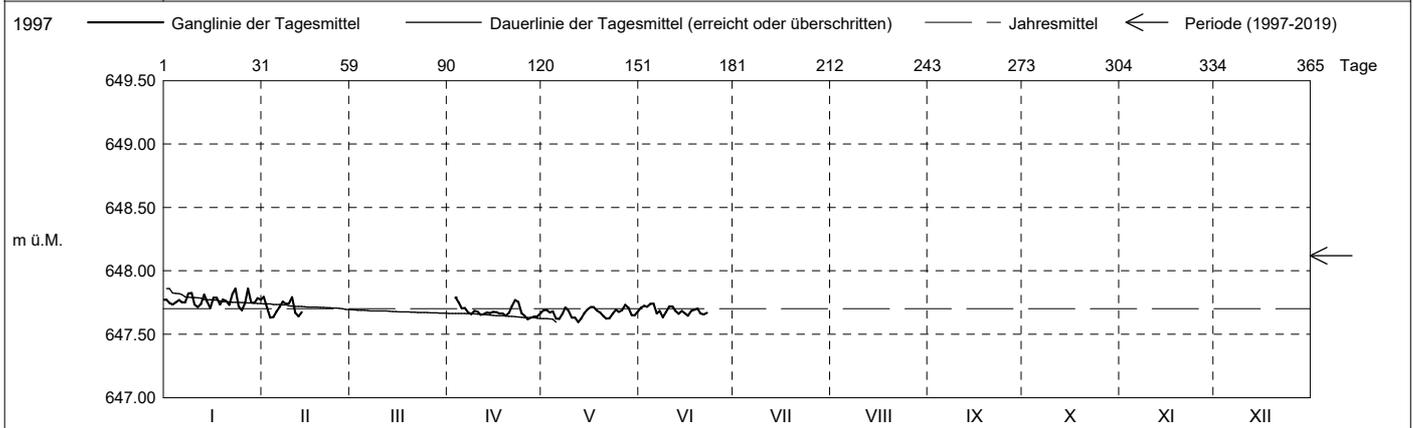
Koordinaten: 2'687'792' / 1'226'997'

Amt für Umwelt

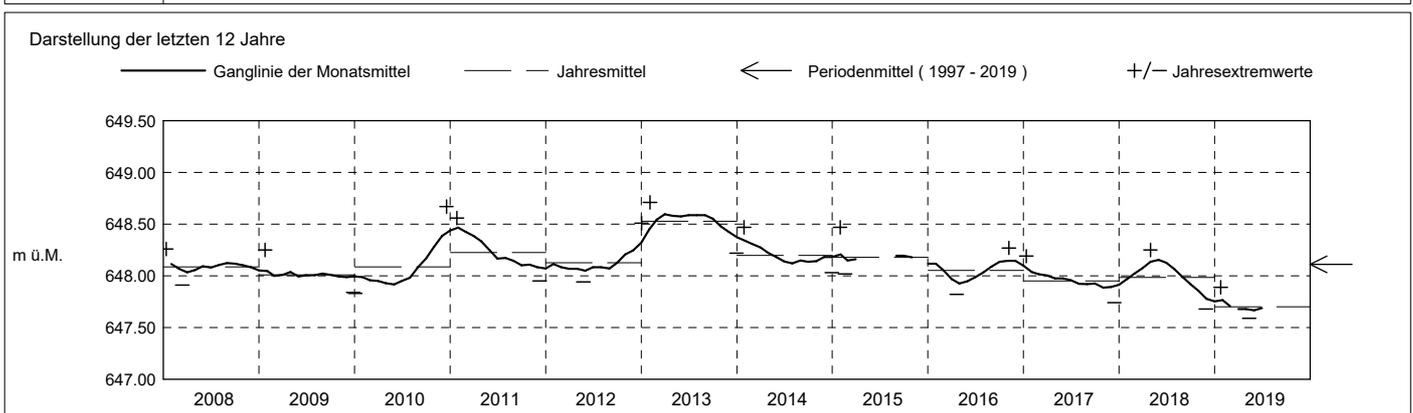
Abstichpunkt: 673.29 m ü.M. OK Terrain: 673.63 m ü.M.

2019	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember		
Tagesmittel	1 647.77	647.79 +			647.69	647.71							1	
	2 647.75	647.71			647.69	647.72							2	
	3 647.73	647.63 -		647.79 +	647.67	647.72							3	
	4 647.75	647.64		647.75	647.68	647.74 +							4	
	5 647.77	647.68		647.70	647.62	647.74 +							5	
	6 647.75	647.71		647.71	647.62	647.66							6	
	7 647.75	647.76		647.67	647.66	647.68							7	
	8 647.82	647.74		647.66	647.71	647.63 -							8	
	9 647.82	647.74		647.68	647.68	647.67							9	
	10 647.73	647.79 +		647.68	647.63	647.72							10	
m ü.M.	11 647.71	647.67		647.65	647.63	647.72							11	
	12 647.74	647.64		647.66	647.60 -	647.68							12	
	13 647.81	647.67		647.67	647.62	647.66							13	
	14 647.76	647.67		647.67	647.67	647.68							14	
	15 647.71	647.68		647.68	647.70	647.66							15	
	16 647.79			647.67	647.71	647.65							16	
	17 647.79			647.66	647.71	647.68							17	
	18 647.73			647.66	647.69	647.69							18	
	19 647.78			647.65	647.67	647.70							19	
	20 647.76			647.67	647.64	647.66							20	
+ Maximum	21 647.73			647.72	647.62	647.66							21	
	22 647.82			647.77	647.63	647.67							22	
	23 647.86 +			647.75	647.66								23	
	24 647.72			647.66	647.69								24	
	25 647.69 -			647.65	647.68								25	
	26 647.75			647.62 -	647.69								26	
	27 647.86 +			647.63	647.73 +								27	
	- Minimum	28 647.75			647.64	647.71								28
		29 647.75			647.64	647.65								29
		30 647.78			647.66	647.65								30
		31 647.77			647.66	647.68								31
Monatsmittel	647.76 +	647.71		647.68	647.67 -	647.69						m ü.M.		
Spitze Datum	647.89 + 23.	647.85 10.		647.81 3.	647.75 - 27.	647.76 5.						m ü.M.		
Amplitude	0.21	0.25 +		0.20	0.16	0.14 -						m		

Jahr Mittel: 647.70 Spitze: 647.89 (23.01.2019) Minimum: 647.59 (12.05.2019) Amplitude: 0.30



Periode	1997 - 2019 (22 Jahre)												
Monatsmittel	648.13	648.11	648.12	648.10	648.09 -	648.09 -	648.12	648.13	648.14 +	648.14 +	648.13	648.13	m ü.M.
Monats-Spitze Jahr	648.70 2003	648.71 2003	648.69 2013	648.71 2013	648.69 2013	648.67 - 2013	648.70 1999	648.81 1999	648.86 + 1999	648.77 1999	648.73 1999	648.77 1999	m ü.M.
Monats-Minimum Jahr	647.68 2019	647.60 2019	647.70 2005	647.61 2019	647.59 - 2019	647.62 2019	647.70 2005	647.71 2005	647.79 + 2018	647.69 2018	647.68 2018	647.68 2018	m ü.M.
Monats-Amplitude Jahr	0.37 2015	0.35 2016	0.34 2008	0.35 2000	0.26 1999	0.24 1999	0.24 1999	0.27 2005	0.23 - 2000	0.31 2012	0.40 2010	0.43 + 2017	m ü.M.
Periode	Mittel: 648.12 Spitze: 648.86 (20.09.1999) Minimum: 647.59 (12.05.2019) Amplitude: 1.27												



Grundwasserstände

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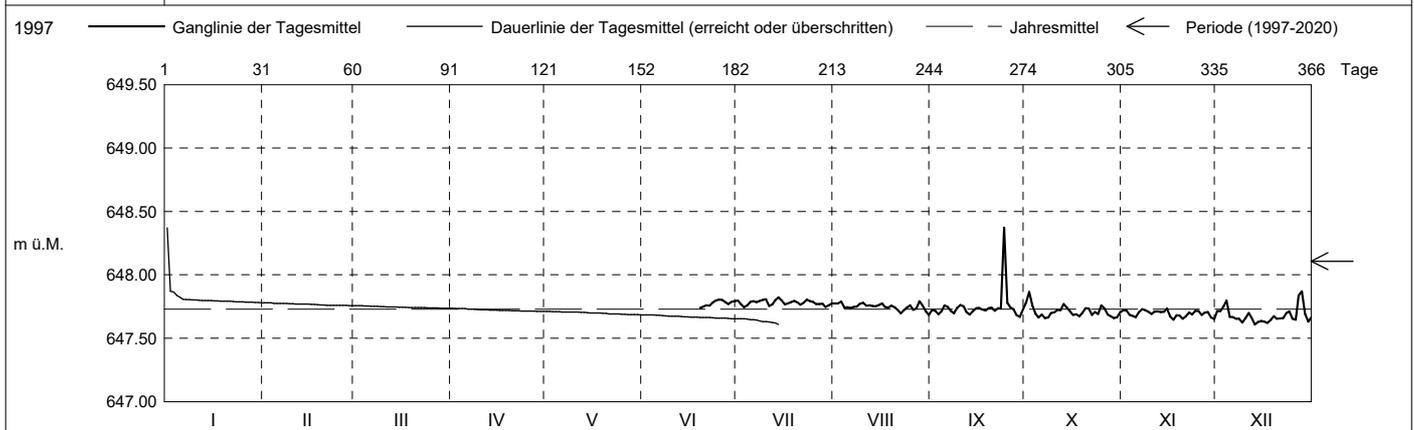
Koordinaten: 2'687'792' / 1'226'997'

Amt für Umwelt

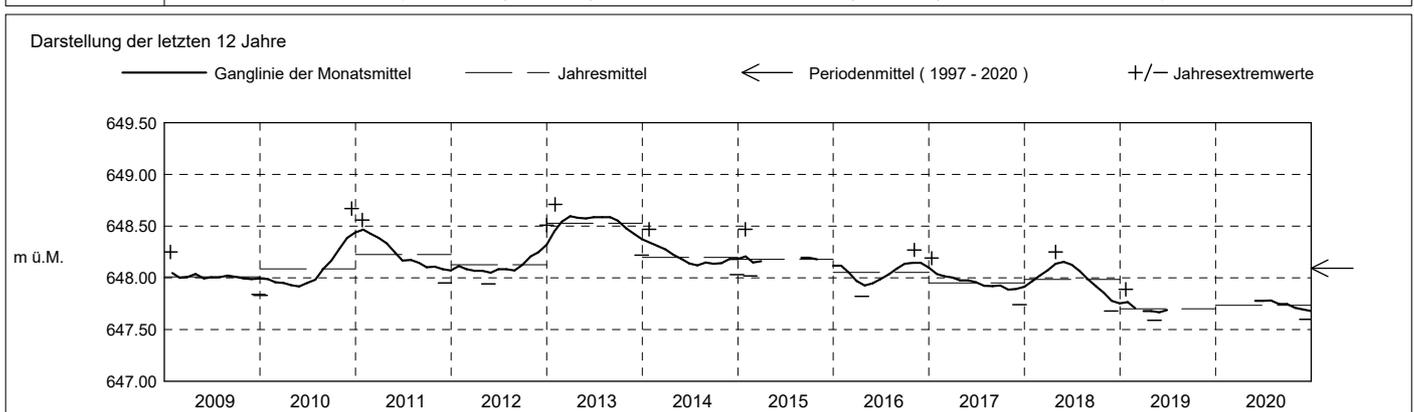
Abstichpunkt: 673.29 m ü.M. OK Terrain: 673.63 m ü.M.

2020		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1							647.80	647.77	647.72	647.78	647.72	647.71	1
	2							647.77	647.77	647.72	647.86 +	647.72	647.71	2
	3							647.74 -	647.79 +	647.69	647.76	647.68	647.75	3
	4							647.76	647.74	647.71	647.69	647.68	647.80	4
	5							647.79	647.74	647.76	647.66 -	647.67	647.67	5
	6							647.79	647.74	647.75	647.69	647.70	647.67	6
	7							647.79	647.75	647.71	647.66 -	647.73	647.65	7
	8							647.79	647.75	647.70	647.66 -	647.72	647.65	8
	9							647.80	647.77	647.74	647.70	647.71	647.62	9
	10							647.81	647.78	647.76	647.70	647.69	647.66	10
m ü.M.	11							647.75	647.76	647.75	647.72	647.71	647.70	11
	12							647.77	647.76	647.71	647.72	647.71	647.66	12
	13							647.80	647.76	647.69	647.77	647.71	647.61 -	13
	14							647.82 +	647.75	647.71	647.74	647.71	647.63	14
	15							647.80	647.76	647.74	647.71	647.74 +	647.64	15
	16							647.77	647.78	647.74	647.68	647.67	647.63	16
	17							647.77	647.75	647.73	647.69	647.65 -	647.62	17
	18							647.79	647.74	647.72	647.67	647.68	647.64	18
	19							647.79	647.76	647.74	647.70	647.68	647.67	19
	20						647.74 -	647.75	647.78	647.74	647.74	647.65 -	647.65	20
+ Maximum	21						647.76	647.76	647.72	647.72	647.73	647.67	647.66	21
	22						647.76	647.78	647.70	647.74	647.68	647.70	647.66	22
	23						647.78	647.80	647.72	647.73	647.71	647.69	647.70	23
	24						647.80	647.79	647.74	648.37 +	647.69	647.72	647.71	24
	25						647.81 +	647.79	647.76	647.78	647.76	647.71	647.65	25
	26						647.80	647.77	647.72	647.74	647.73	647.68	647.65	26
	27						647.78	647.77	647.74	647.73	647.69	647.69	647.84	27
	28						647.77	647.77	647.79 +	647.68	647.67	647.71	647.87 +	28
	29						647.79	647.75	647.76	647.67 -	647.66 -	647.66	647.69	29
	30						647.79	647.76	647.71	647.73	647.66 -	647.65 -	647.63	30
31							647.77	647.68 -		647.71		647.66	31	
Monatsmittel							647.78 +	647.78 +	647.75	647.75	647.71	647.69	647.68 -	m ü.M.
Spitze Datum							647.82 25.	647.83 14.	647.81 28.	662.69 + 24.	647.90 2.	647.76 - 15.	647.93 27.	m ü.M.
Amplitude							0.09 -	0.10	0.15	15.03 +	0.26	0.12	0.33	m

Jahr Mittel: 647.73 Spitze: 662.69 (24.09.2020) Minimum: 647.60 (13.12.2020) Amplitude: 15.09



Periode	1997 - 2020 (23 Jahre)												
Monatsmittel	648.13 +	648.11	648.12	648.10	648.09	648.08 -	648.10	648.12	648.12	648.12	648.11	648.11	m ü.M.
Monats-Spitze Jahr	648.70 2003	648.71 2003	648.69 2013	648.71 2013	648.69 2013	648.67 - 2013	648.70 1999	648.81 1999	662.69 + 2020	648.77 1999	648.73 1999	648.77 1999	m ü.M.
Monats-Minimum Jahr	647.68 2019	647.60 2019	647.70 + 2005	647.61 2019	647.59 - 2019	647.62 2019	647.70 + 2005	647.66 2020	647.66 2020	647.64 2020	647.63 2020	647.60 2020	m ü.M.
Monats-Amplitude Jahr	0.37 2015	0.35 2016	0.34 2008	0.35 2000	0.26 1999	0.24 - 1999	0.24 - 1999	0.27 2005	15.03 + 2020	0.31 2012	0.40 2010	0.43 2017	m ü.M.
Periode	Mittel: 648.11 Spitze: 662.69 (24.09.2020) Minimum: 647.59 (12.05.2019) Amplitude: 15.10												



Grundwasserstände

Nr. 2207 Winzwilen - Menzingen

KANTON ZUG

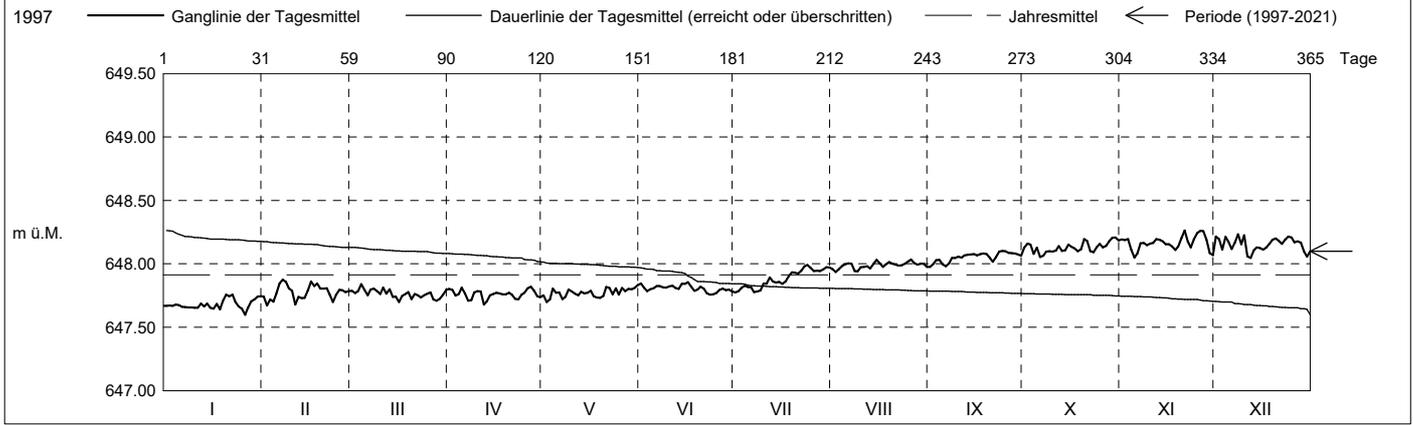
Koordinaten: 2'687'792' / 1'226'997'

Amt für Umwelt

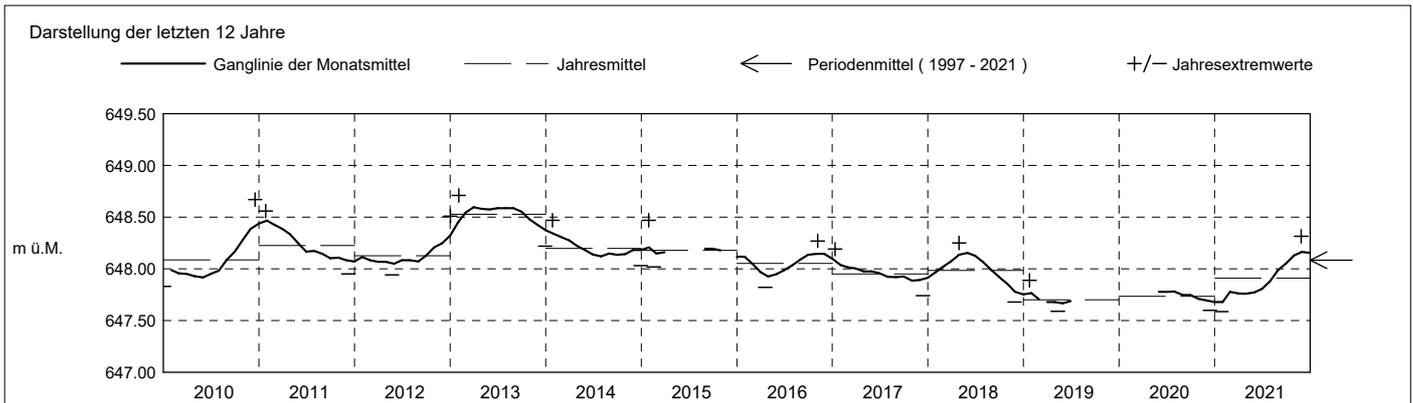
Abstichpunkt: 673.29 m ü.M. OK Terrain: 673.63 m ü.M.

2021	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1 647.67	647.74	647.79	647.80	647.75	647.85 +	647.77 -	647.96	647.98 -	648.13	648.19	648.21	1
	2 647.67	647.67 -	647.77	647.79	647.70 -	647.81	647.78	647.94 -	648.00	648.16	648.19	648.19	2
	3 647.67	647.72	647.78	647.75	647.72	647.78	647.81	647.96	648.03	648.15	648.20	648.11	3
	4 647.68	647.70	647.84 +	647.76	647.80	647.80	647.83	647.98	648.03	648.08	648.11	648.21	4
	5 647.67	647.77	647.79	647.81	647.77	647.81	647.82	648.00	648.00	648.13	648.05 -	648.17	5
	6 647.66	647.85	647.75	647.77	647.77	647.82	647.81	648.00	647.98 -	648.05 -	648.08	648.12	6
	7 647.66	647.88 +	647.80	647.71	647.72	647.83	647.78	648.00	648.00	648.06	648.16	648.17	7
	8 647.66	647.86	647.80	647.72	647.74	647.82	647.78	647.94 -	648.05	648.10	648.16	648.23 +	8
	9 647.66	647.81	647.79	647.77	647.80	647.81	647.79	647.94 -	648.05	648.10	648.15	648.15	9
	10 647.65	647.79	647.76	647.78	647.78	647.82	647.85	647.97	648.06	648.10	648.16	648.23 +	10
m ü.M.	11 647.85	647.68	647.81	647.78	647.76	647.83	647.84	647.97	648.05	648.10	648.17	648.06	11
	12 647.69	647.74	647.76	647.68 -	647.75	647.81	647.89	647.98	648.07	648.14	648.19	648.05 -	12
	13 647.66	647.73	647.80	647.70	647.78	647.80	647.86	647.96	648.07	648.10	648.19	648.11	13
	14 647.69	647.73	647.74	647.75	647.77	647.84	647.85	648.00	648.07	648.11	648.18	648.13	14
	15 647.65	647.79	647.74	647.76	647.77	647.84	647.86	648.03 +	648.08	648.15	648.15	648.12	15
	16 647.65	647.86	647.70 -	647.77	647.79	647.85 +	647.84	648.00	648.07	648.14	648.15	648.11	16
	17 647.68	647.82	647.75	647.77	647.74	647.82	647.86	647.98	648.08	648.12	648.14	648.13	17
	18 647.64	647.85	647.76	647.76	647.73	647.79	647.90	648.00	648.08	648.10	648.11	648.16	18
	19 647.71	647.80	647.78	647.76	647.73	647.80	647.93	648.01	648.08	648.11	648.14	648.19	19
	20 647.76 +	647.81	647.72	647.77	647.75	647.82	647.93	648.00	648.05	648.19	648.20	648.20	20
+ Maximum	21 647.75	647.81	647.76	647.76	647.82	647.80	647.92	647.99	648.02	648.18	648.26 +	648.18	21
	22 647.76 +	647.76	647.75	647.72	647.81	647.77	647.95	647.99	648.05	648.10	648.17	648.16	22
	23 647.70	647.70	647.74	647.72	647.76	647.76 -	647.98	647.99	648.10 +	648.09	648.13	648.19	23
	24 647.66	647.76	647.75	647.76	647.81	647.76 -	647.99 +	648.00	648.10 +	648.13	648.19	648.22	24
	25 647.65	647.80	647.77	647.77	647.76	647.77	647.97	648.02	648.10 +	648.16	648.24	648.21	25
	26 647.60 -	647.79	647.77	647.81	647.81	647.80	647.94	648.03 +	648.09	648.13	648.26 +	648.17	26
	27 647.65	647.78	647.72	647.82 +	647.79	647.80	647.95	648.01	648.08	648.14	648.26 +	648.18	27
	28 647.70	647.79	647.71	647.79	647.80	647.79	647.94	647.99	648.08	648.18	648.19	648.17	28
	29 647.72	647.72	647.72	647.74	647.80	647.80	647.96	648.00	648.07	648.21 +	648.08	648.10	29
	30 647.74	647.76	647.76	647.74	647.81	647.78	647.97	648.00	648.07	648.21 +	648.07	648.06	30
31 647.75	647.80	647.80	647.74	647.83 +	647.78	647.97	648.00	648.07	648.18	648.07	648.10	31	
Monatsmittel	647.68 -	647.78	647.76	647.76	647.77	647.81	647.88	647.99	648.05	648.13	648.16 +	648.15	m ü.M.
Spitze Datum	647.78 - 20.	647.90 7.	647.86 4.	647.85 5.	647.84 5.	647.86 16.	648.01 24.	648.05 26.	648.11 25.	648.27 21.	648.32 + 27.	648.27 10.	m ü.M.
Amplitude	0.19	0.24	0.18	0.19	0.16	0.13 -	0.25	0.13 -	0.15	0.24	0.29 +	0.26	m

Jahr Mittel: 647.91 Spitze: 648.32 (27.11.2021) Minimum: 647.59 (26.01.2021) Amplitude: 0.73



Periode	1997 - 2021 (24 Jahre)												
Monatsmittel	648.11	648.10	648.11	648.08	648.07 -	648.07 -	648.09	648.11	648.12 +	648.12 +	648.11	648.11	m ü.M.
Monats-Spitze Jahr	648.70 2003	648.71 2003	648.69 2013	648.71 2013	648.69 2013	648.67 - 2013	648.70 1999	648.81 1999	662.69 + 2020	648.77 1999	648.73 1999	648.77 1999	m ü.M.
Monats-Minimum Jahr	647.59 - 2021	647.60 2019	647.68 2021	647.61 2019	647.59 - 2019	647.62 2019	647.70 + 2005	647.66 2020	647.66 2020	647.64 2020	647.63 2020	647.60 2020	m ü.M.
Monats-Amplitude Jahr	0.37 2015	0.35 2016	0.34 2008	0.35 2000	0.26 1999	0.24 - 1999	0.24 - 1999	0.27 2005	15.03 + 2020	0.31 2012	0.40 2010	0.43 2017	m ü.M.
Periode	Mittel: 648.10 Spitze: 662.69 (24.09.2020) Minimum: 647.59 (26.01.2021) Amplitude: 15.10												



Grundwasserstände

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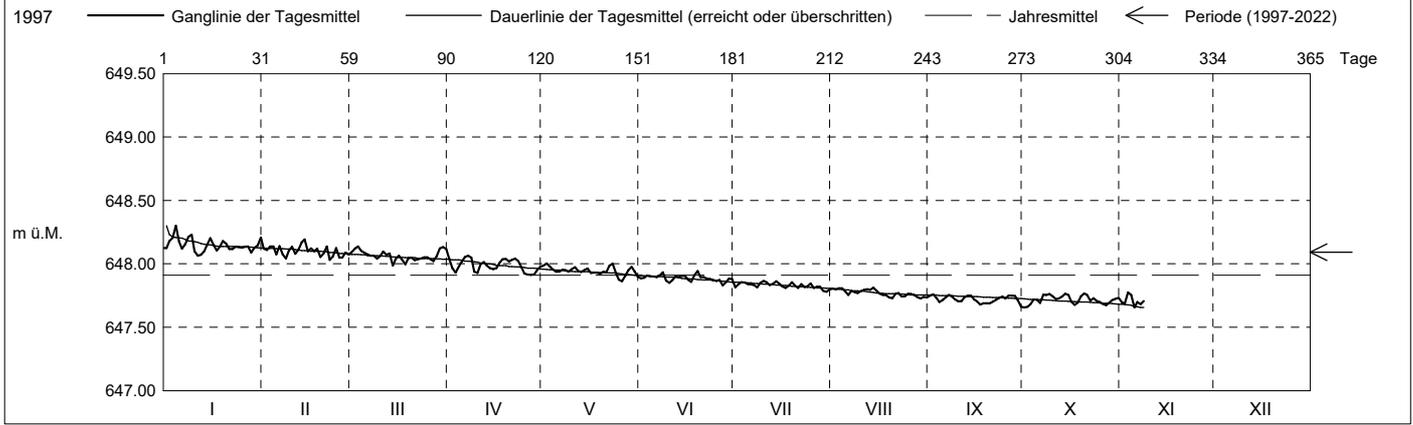
Koordinaten: 2'687'792' / 1'226'997'

Amt für Umwelt

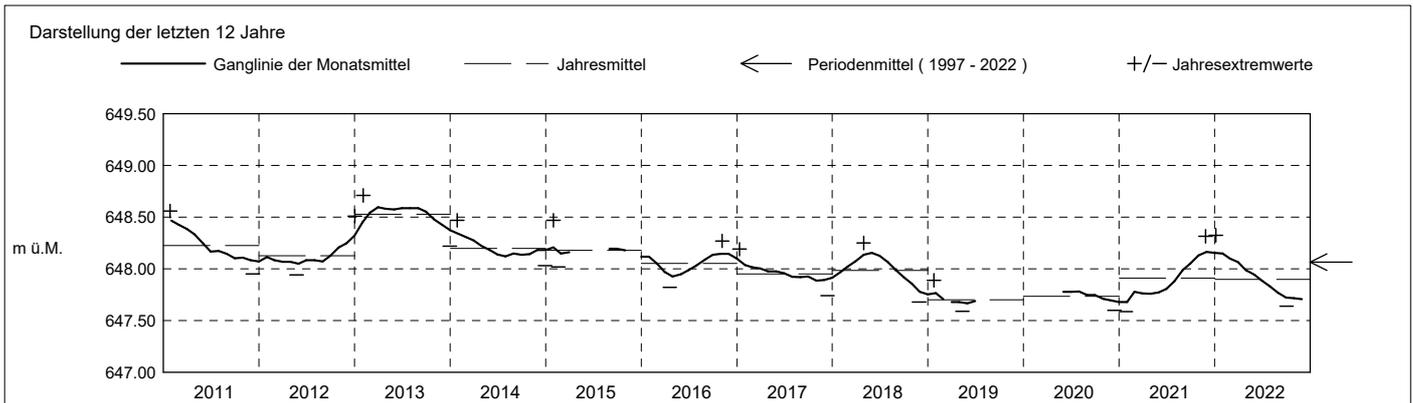
Abstichpunkt: 673.29 m ü.M. OK Terrain: 673.63 m ü.M.

2022	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1 648.12	648.12	648.09	648.04	647.99	647.88	647.82	647.80	647.75	647.66 -	647.70		1
	2 648.18	648.11	648.12	647.97	648.00 +	647.89	647.84	647.80	647.76 +	647.66 -	647.69		2
	3 648.20	648.14	648.14 +	647.93	647.98	647.91	647.86	647.81 +	647.73	647.68	647.77 +		3
	4 648.30 +	648.14	648.10	647.98	647.95	647.90	647.85	647.81 +	647.70	647.72	647.75		4
	5 648.18	648.07	648.09	648.02	647.94	647.90	647.84	647.78	647.71	647.72	647.66 -		5
	6 648.12	648.14	648.07	648.05	647.94	647.90	647.84	647.75	647.74	647.69	647.70		6
	7 648.15	648.07	648.06	648.06 +	647.95	647.91	647.83	647.79	647.75	647.76	647.68		7
	8 648.21	648.04	648.06	648.05	647.95	647.93	647.81	647.78	647.74	647.76	647.71		8
	9 648.23	648.10	648.04	647.94	647.94	647.87	647.85	647.77	647.72	647.76			9
	10 648.10	648.13	648.06	647.93	647.96	647.85	647.87 +	647.78	647.70	647.74			10
m ü.M.	11 648.06 -	648.08	648.10	648.00	647.97	647.87	647.85	647.79	647.71	647.72			11
	12 648.07	648.11	648.07	648.01	647.94	647.90	647.83	647.80	647.74	647.73			12
	13 648.10	648.17	648.08	647.99	647.94	647.90	647.84	647.79	647.75	647.74			13
	14 648.15	648.19 +	647.99 -	647.97	647.95	647.91	647.86	647.81 +	647.75	647.76			14
	15 648.20	648.10	648.04	647.96	647.96	647.90	647.84	647.79	647.72	647.75			15
	16 648.15	648.12	648.06	647.97	647.93	647.88	647.82	647.77	647.70	647.70			16
	17 648.10	648.10	648.03	648.01	647.93	647.86	647.81	647.76	647.68	647.68			17
	18 648.14	648.12	648.00	648.04	647.93	647.91	647.83	647.76	647.69	647.69			18
	19 648.18	648.05	648.04	648.04	647.92	647.94 +	647.85	647.73 -	647.69	647.74			19
	20 648.16	648.08	648.05	648.02	647.94	647.90	647.83	647.73 -	647.69	647.77 +			20
+ Maximum	21 648.12	648.14	648.03	648.03	647.93	647.89	647.81	647.76	647.70	647.75			21
	22 648.12	648.03 -	648.04	648.04	647.99	647.88	647.84	647.77	647.72	647.71			22
	23 648.13	648.06	648.04	648.02	648.00 +	647.88	647.82	647.74	647.73	647.73			23
	24 648.13	648.13	648.05	647.97	647.93	647.87	647.82	647.75	647.74	647.71			24
	25 648.13	648.05	648.05	647.92	647.88	647.86	647.84	647.76	647.73	647.70			25
	26 648.13	648.05	648.04	647.92	647.86 -	647.87	647.81	647.76	647.75	647.68			26
	27 648.14	648.09	648.02	647.91 -	647.91	647.83 -	647.81	647.75	647.75	647.67			27
	28 648.09	648.07	648.06	647.92	647.95	647.85	647.82	647.74	647.75	647.69			28
	29 648.13	648.12	648.12	647.95	647.93	647.88	647.79	647.73 -	647.71	647.71			29
	30 648.15	648.13	648.13	647.97	647.94	647.88	647.78 -	647.74	647.66 -	647.72			30
	31 648.21	648.12	648.12	647.90	647.90	647.88	647.80	647.74	647.66 -	647.73			31
Monatsmittel	648.15 +	648.10	648.06	647.99	647.94	647.89	647.83	647.77	647.72	647.72	647.71 -		m ü.M.
Spitze Datum	648.32 + 4.	648.22 7.	648.15 3.	648.08 7.	648.02 23.	647.96 8.	647.88 14.	647.82 14.	647.79 - 27.	647.79 - 21.	647.82 3.		m ü.M.
Amplitude	0.28 +	0.22	0.19	0.18	0.17	0.15	0.11 -	0.11 -	0.14	0.15	0.18		m

Jahr Mittel: 647.91 Spitze: 648.32 (04.01.2022) Minimum: 647.64 (02.10.2022) Amplitude: 0.68



Periode	1997 - 2022 (25 Jahre)												
Monatsmittel	648.11 +	648.10	648.10	648.08	648.07	648.06 -	648.08	648.10	648.10	648.10	648.10	648.11 +	m ü.M.
Monats-Spitze Jahr	648.70 2003	648.71 2003	648.69 2013	648.71 2013	648.69 2013	648.67 - 2013	648.70 1999	648.81 1999	662.69 + 2020	648.77 1999	648.73 1999	648.77 1999	m ü.M.
Monats-Minimum Jahr	647.59 - 2021	647.60 2019	647.68 2021	647.61 2019	647.59 - 2019	647.62 2019	647.70 + 2005	647.66 2020	647.65 2022	647.64 2020	647.63 2020	647.60 2020	m ü.M.
Monats-Amplitude Jahr	0.37 2015	0.35 2016	0.34 2008	0.35 2000	0.26 1999	0.24 - 1999	0.24 - 1999	0.27 2005	15.03 + 2020	0.31 2012	0.40 2010	0.43 2017	m ü.M.
Periode	Mittel: 648.09 Spitze: 662.69 (24.09.2020) Minimum: 647.59 (26.01.2021) Amplitude: 15.10												



Grundwasserstände

Nr. 2207 Winzwilen - Menzingen

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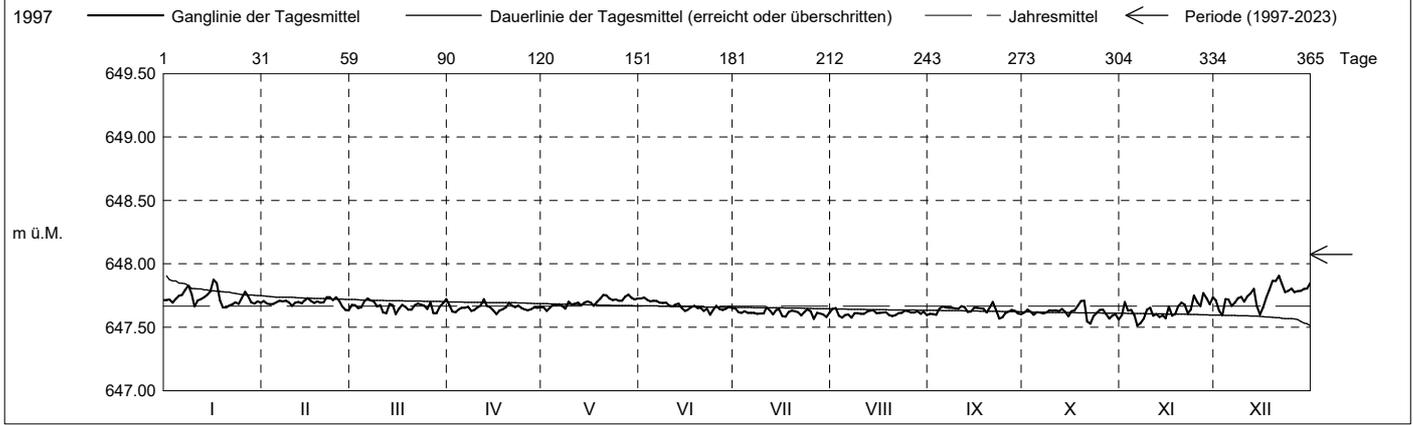
Koordinaten: 2'687'792' / 1'226'997'

Amt für Umwelt

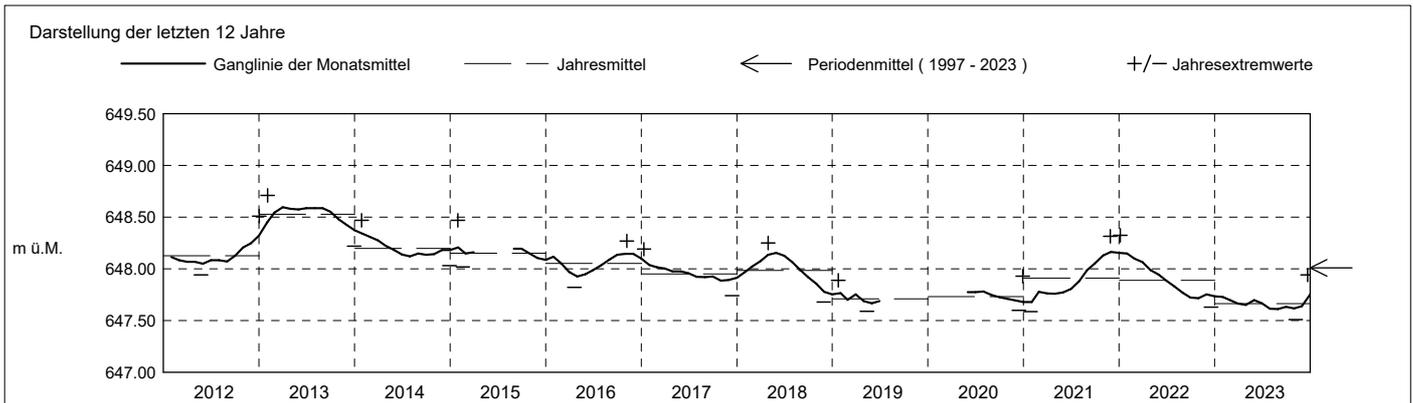
Abstichpunkt: 673.29 m ü.M. OK Terrain: 673.63 m ü.M.

2023	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1 647.71	647.71	647.68	647.68	647.66	647.73 +	647.65	647.64	647.60	647.62	647.60	647.71	1
	2 647.72	647.69	647.67	647.62	647.63 -	647.73 +	647.62	647.65 +	647.60	647.64	647.70	647.63	2
	3 647.69	647.68	647.65	647.62	647.65	647.72	647.61	647.59	647.60	647.62	647.63	647.59 -	3
	4 647.72	647.68	647.66	647.64	647.67	647.70	647.63	647.58 -	647.65	647.60	647.64	647.72	4
	5 647.75	647.70	647.71	647.65	647.67	647.71	647.61	647.60	647.66	647.62	647.59	647.72	5
	6 647.76	647.71	647.73 +	647.65	647.68	647.71	647.61	647.60	647.66	647.61	647.51 -	647.67	6
	7 647.79	647.70	647.71	647.66	647.67	647.69	647.61	647.58 -	647.65	647.61	647.53	647.69	7
	8 647.83	647.71	647.70	647.63	647.65	647.69	647.61	647.58 -	647.65	647.62	647.57	647.73	8
	9 647.76	647.70	647.66	647.64	647.70	647.69	647.61	647.61	647.65	647.63	647.64	647.74	9
	10 647.66 -	647.67	647.60	647.66	647.68	647.67	647.61	647.60	647.65	647.63	647.65	647.70	10
m ü.M.	11 647.71	647.69	647.62	647.67	647.69	647.66	647.66 +	647.61	647.67	647.63	647.59	647.74	11
	12 647.72	647.70	647.61	647.72 +	647.69	647.68	647.63	647.62	647.66	647.63	647.60	647.77	12
	13 647.74	647.69	647.68	647.67	647.67	647.69	647.60	647.63	647.62	647.64	647.58	647.80	13
	14 647.75	647.71	647.67	647.66	647.69	647.65	647.64	647.63	647.62	647.62	647.59	647.67	14
	15 647.78	647.73	647.60 -	647.63	647.70	647.63	647.64	647.61	647.65	647.59	647.57	647.60	15
	16 647.87 +	647.71	647.65	647.60 -	647.70	647.64	647.59	647.61	647.65	647.63	647.66	647.66	16
	17 647.85	647.69	647.68	647.63	647.67	647.66	647.58	647.62	647.65	647.63	647.59	647.74	17
	18 647.71	647.70	647.66	647.64	647.70	647.67	647.62	647.62	647.65	647.67	647.60	647.79	18
	19 647.66 -	647.69	647.64	647.66	647.72	647.65	647.63	647.60	647.62	647.71 +	647.67	647.86	19
	20 647.66 -	647.70	647.64	647.69	647.75	647.65	647.63	647.59	647.66	647.71 +	647.69	647.87	20
+ Maximum	21 647.67	647.74 +	647.67	647.67	647.75	647.63	647.62	647.60	647.70 +	647.55	647.68	647.91 +	21
	22 647.68	647.74 +	647.69	647.66	647.73	647.65	647.59	647.61	647.64	647.53 -	647.61	647.84	22
	23 647.70	647.71	647.68	647.67	647.71	647.60 -	647.62	647.61	647.57 -	647.59	647.64	647.78	23
	24 647.68	647.74 +	647.67	647.65	647.72	647.64	647.62	647.63	647.58	647.61	647.75	647.79	24
	25 647.73	647.71	647.64	647.64	647.71	647.67	647.63	647.63	647.61	647.64	647.70	647.80	25
	26 647.78	647.66	647.70	647.63	647.71	647.64	647.57 -	647.62	647.62	647.64	647.67	647.78	26
	27 647.75	647.64	647.61	647.64	647.74	647.64	647.61	647.62	647.64	647.60	647.77 +	647.79	27
	28 647.70	647.63 -	647.61	647.66	647.76 +	647.65	647.61	647.63	647.63	647.57	647.73	647.79	28
	29 647.69		647.66	647.65	647.73	647.66	647.60	647.61	647.61	647.59	647.68	647.80	29
	30 647.70		647.69	647.66	647.72	647.65	647.58	647.62	647.60	647.60	647.74	647.80	30
31 647.70		647.72	647.66	647.73	647.65	647.58	647.62	647.60	647.56	647.74	647.85	31	
Monatsmittel	647.73	647.70	647.67	647.65	647.70	647.67	647.62	647.61 -	647.63	647.62	647.64	647.75 +	m ü.M.
Spitze Datum	647.91 16.	647.76 24.	647.75 6.	647.74 12.	647.77 21.	647.75 2.	647.69 11.	647.68 - 2.	647.72 21.	647.81 20.	647.82 27.	647.94 + 21.	m ü.M.
Amplitude	0.27	0.14	0.17	0.15	0.15	0.16	0.13	0.12 -	0.17	0.29	0.31	0.37 +	m

Jahr Mittel: 647.66 Spitze: 647.94 (21.12.2023) Minimum: 647.51 (05.11.2023) Amplitude: 0.43



Periode	1997 - 2023 (26 Jahre)												
Monatsmittel	648.10 +	648.08	648.07	648.06	648.05	648.04 -	648.06	648.08	648.08	648.08	648.08	648.08	m ü.M.
Monats-Spitze Jahr	648.70 2003	648.71 2003	648.69 2013	648.71 2013	648.69 2013	648.67 - 2013	648.70 1999	648.81 1999	648.86 + 1999	648.77 1999	648.73 1999	648.77 1999	m ü.M.
Monats-Minimum Jahr	647.59 2021	647.60 + 2019	647.58 2023	647.59 2023	647.59 2019	647.59 2023	647.56 2023	647.56 2023	647.55 2023	647.52 2023	647.51 - 2023	647.57 2023	m ü.M.
Monats-Amplitude Jahr	0.37 2015	0.35 2016	0.34 2008	0.35 2000	0.26 1999	0.24 1999	0.24 1999	0.27 2005	0.23 - 2000	0.31 2012	0.40 2010	0.43 + 2017	m ü.M.
Periode	Mittel: 648.07 Spitze: 648.86 (20.09.1999) Minimum: 647.51 (05.11.2023) Amplitude: 1.35												



Grundwasserstände

Nr. 2207 Winzwilen - Menzingen

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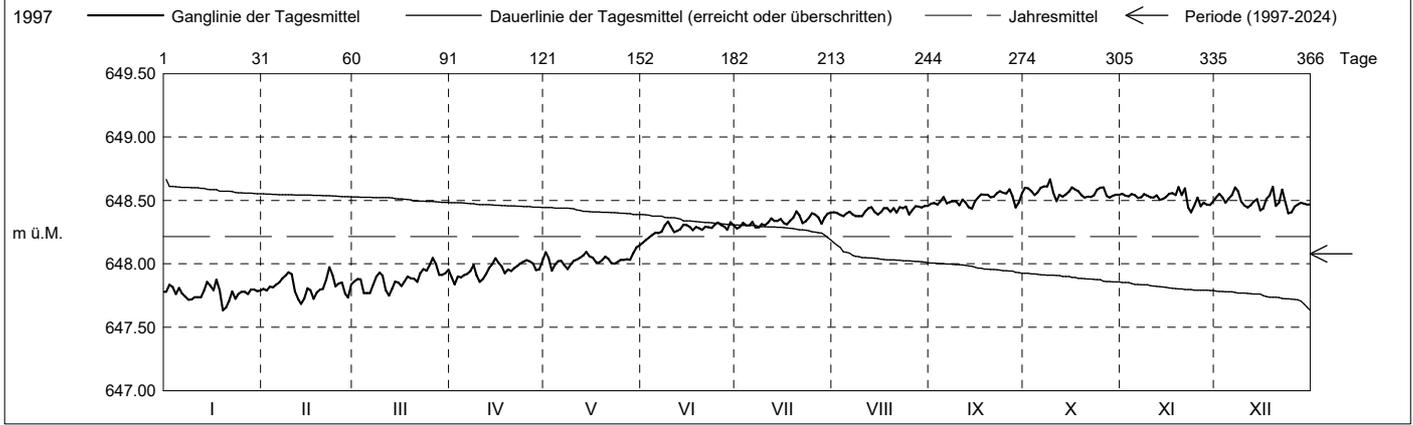
Koordinaten: 2'687'792' / 1'226'997'

Amt für Umwelt

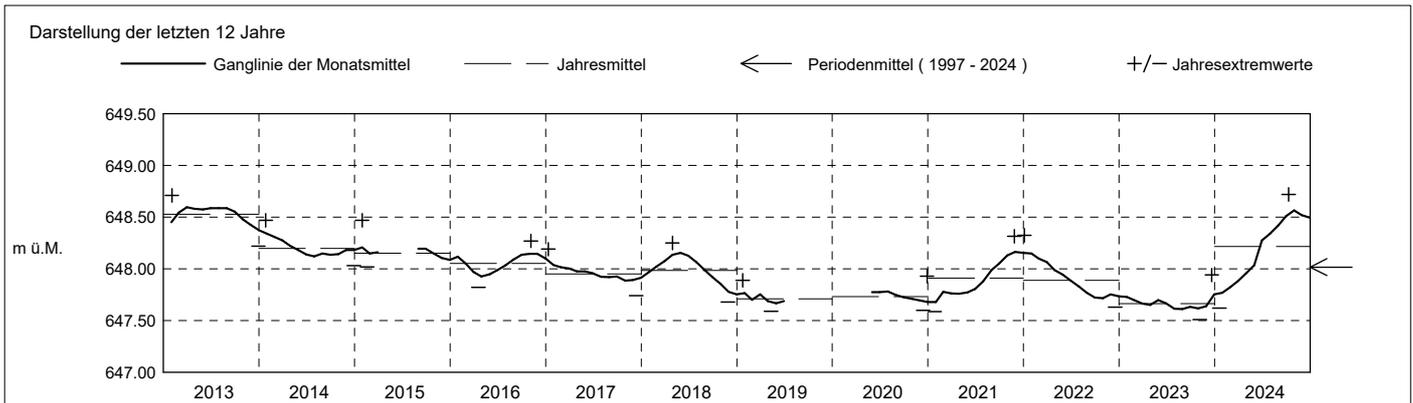
Abstichpunkt: 673.29 m ü.M. OK Terrain: 673.63 m ü.M.

2024	Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember	
Tagesmittel	1 647.78	647.80	647.86	647.89	648.09	648.17 -	648.28 -	648.41	648.47	648.60	648.55	648.53	1
	2 647.83	647.79	647.88	647.84 -	648.05	648.19	648.29	648.40	648.48	648.59	648.54	648.55	2
	3 647.82	647.82	647.88	647.90	647.95 -	648.21	648.32	648.39	648.47	648.57	648.53	648.52	3
	4 647.76	647.82	647.77	647.89	647.99	648.23	648.30	648.38 -	648.49	648.54	648.55	648.48	4
	5 647.81	647.83	647.77	647.91	648.02	648.25	648.30	648.40	648.53	648.56	648.54	648.52	5
	6 647.77	647.85	647.77	647.92	648.02	648.24	648.33	648.41	648.48	648.60	648.52	648.54	6
	7 647.74	647.89	647.84	647.94	647.99	648.25	648.29	648.39	648.49	648.61	648.53	648.60	7
	8 647.72	647.91	647.90	647.99	647.96	648.30	648.29	648.38 -	648.49	648.61	648.55	648.57	8
	9 647.72	647.93	647.93	647.91	647.99	648.33 +	648.31	648.38 -	648.49	648.66 +	648.54	648.49	9
	10 647.74	647.92	647.91	647.86	648.02	648.29	648.30	648.38 -	648.46	648.56	648.53	648.46	10
m ü.M.	11 647.74	647.78	647.79	647.88	648.04	648.25	648.33	648.41	648.51	648.49 -	648.52	648.45	11
	12 647.74	647.72	647.75 -	647.92	648.05	648.26	648.36	648.44	648.48	648.54	648.54	648.46	12
	13 647.79	647.68 -	647.80	647.96	648.07	648.27	648.34	648.45	648.45	648.53	648.51	648.49	13
	14 647.86	647.73	647.86	648.00	648.09	648.31	648.34	648.41	648.43 -	648.55	648.51	648.51	14
	15 647.83	647.81	647.85	648.04 +	648.06	648.31	648.35	648.39	648.49	648.57	648.53	648.42	15
	16 647.79	647.79	647.82	648.01	648.05	648.29	648.32	648.41	648.52	648.60	648.55	648.44	16
	17 647.88 +	647.72	647.86	647.98	648.01	648.27	648.31	648.44	648.55	648.59	648.56	648.51	17
	18 647.79	647.78	647.90	647.93	648.01	648.29	648.34	648.44	648.54	648.57	648.54	648.54	18
	19 647.63 -	647.80	647.89	647.96	648.03	648.28	648.36	648.41	648.55	648.54	648.61 +	648.61 +	19
	20 647.66	647.80	647.88	647.94	648.05	648.27	648.41 +	648.44	648.52	648.52	648.54	648.46	20
+ Maximum	21 647.71	647.88	647.86	647.97	648.04	648.29	648.39	648.40	648.53	648.53	648.59	648.48	21
	22 647.78	647.97 +	647.93	647.98	648.01	648.29	648.32	648.45	648.56	648.53	648.45	648.59	22
	23 647.72	647.91	647.96	648.00	648.00	648.28	648.34	648.44	648.57	648.54	648.41 -	648.48	23
	24 647.76	647.82	647.95	648.02	648.02	648.31	648.36	648.45	648.56	648.58	648.46	648.40 -	24
	25 647.78	647.84	647.99	648.03	648.03	648.33 +	648.40	648.39	648.56	648.60	648.52	648.41	25
	26 647.78	647.85	648.05 +	648.02	648.03	648.31	648.39	648.42	648.59 +	648.60	648.45	648.45	26
	27 647.76	647.76	648.00	648.00	648.04	648.29	648.37	648.45	648.53	648.54	648.48	648.47	27
	28 647.80	647.73	647.91	647.95	648.03	648.27	648.32	648.45	648.45	648.52	648.47	648.48	28
	29 647.80	647.84	647.91	647.96	648.08	648.33 +	648.36	648.45	648.48	648.54	648.46	648.47	29
	30 647.78		647.92	648.02	648.13	648.30	648.40	648.46 +	648.56	648.55	648.49	648.47	30
31 647.79		647.95	648.02	648.15 +		648.40	648.46 +		648.54		648.47	31	
Monatsmittel	647.77 -	647.82	647.88	647.95	648.04	648.28	648.34	648.42	648.51	648.56 +	648.52	648.49	m ü.M.
Spitze Datum	647.90 - 17.	648.01 22.	648.07 27.	648.07 15.	648.16 31.	648.38 29.	648.43 20.	648.47 18.	648.62 26.	648.72 + 9.	648.69 19.	648.67 19.	m ü.M.
Amplitude	0.28	0.35 +	0.34	0.25	0.23	0.22	0.16	0.11 -	0.21	0.24	0.33	0.28	m

Jahr Mittel: 648.22 Spitze: 648.72 (09.10.2024) Minimum: 647.62 (19.01.2024) Amplitude: 1.10



Periode	1997 - 2024 (27 Jahre)												
Monatsmittel	648.08	648.07	648.07	648.06	648.05 -	648.05 -	648.07	648.09	648.10 +	648.10 +	648.10 +	648.10 +	m ü.M.
Monats-Spitze Jahr	648.70 2003	648.71 2003	648.69 2013	648.71 2013	648.69 2013	648.67 - 2013	648.70 1999	648.81 1999	648.86 + 1999	648.77 1999	648.73 1999	648.77 1999	m ü.M.
Monats-Minimum Jahr	647.59 2021	647.60 + 2019	647.58 2023	647.59 2023	647.59 2019	647.59 2023	647.56 2023	647.56 2023	647.55 2023	647.52 2023	647.51 - 2023	647.57 2023	m ü.M.
Monats-Amplitude Jahr	0.37 2015	0.35 2016	0.34 2008	0.35 2000	0.26 1999	0.24 1999	0.24 1999	0.27 2005	0.23 - 2000	0.31 2012	0.40 2010	0.43 + 2017	m ü.M.
Periode	Mittel: 648.08 Spitze: 648.86 (20.09.1999) Minimum: 647.51 (05.11.2023) Amplitude: 1.35												



Grundwasserstände

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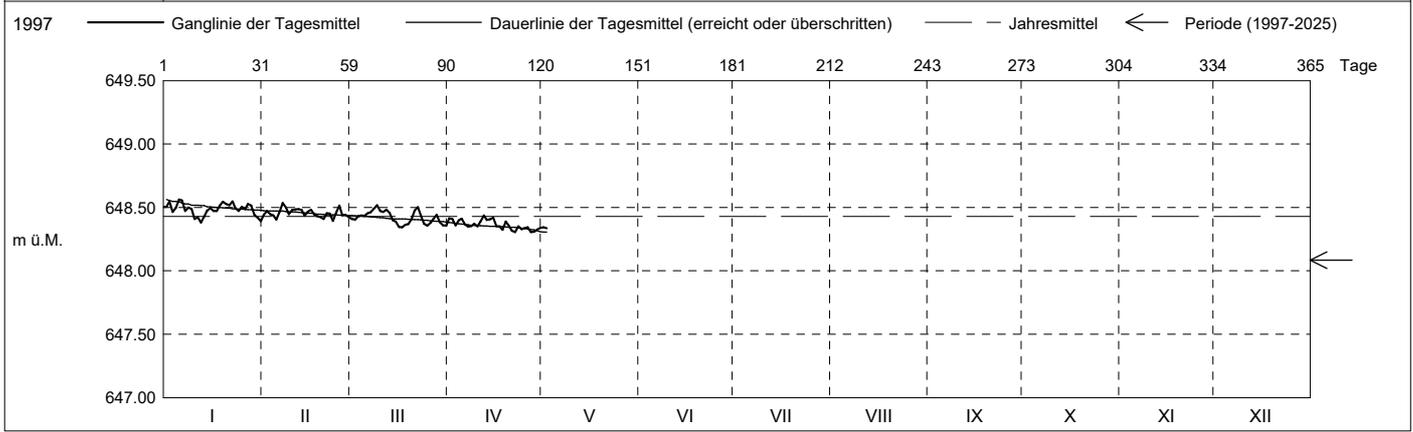
Koordinaten: 2'687'792' / 1'226'997'

Amt für Umwelt

Abstichpunkt: 673.29 m ü.M. OK Terrain: 673.63 m ü.M.

2025		Januar	Februar	März	April	Mai	Juni	Juli	August	September	Oktober	November	Dezember		
Tagesmittel	1	648.50	648.44	648.41	648.41	648.34 -								1	
	2	648.55	648.47	648.40	648.41	648.34 -								2	
	3	648.46	648.45	648.43	648.36									3	
	4	648.50	648.44	648.44	648.40									4	
	5	648.56 +	648.40	648.43	648.41									5	
	6	648.55	648.46	648.45	648.37									6	
	7	648.47	648.53 +	648.46	648.35									7	
	8	648.50	648.50	648.49	648.35									8	
	9	648.49	648.45	648.52 +	648.37									9	
	10	648.41	648.48	648.47	648.35									10	
m ü.M.	11	648.42	648.48	648.46	648.39									11	
	12	648.38 -	648.49	648.48	648.44 +									12	
	13	648.43	648.48	648.46	648.40									13	
	14	648.47	648.43	648.40	648.41									14	
	15	648.49	648.47	648.39	648.42									15	
	16	648.47	648.48	648.35	648.35									16	
	17	648.47	648.44	648.34 -	648.35									17	
	18	648.52	648.43	648.36	648.32									18	
	19	648.54	648.42	648.37	648.39									19	
	20	648.53	648.41	648.41	648.35									20	
+ Maximum	21	648.52	648.45	648.48	648.32									21	
	22	648.55	648.45	648.50	648.31									22	
	23	648.49	648.39 -	648.44	648.35									23	
	24	648.47	648.46	648.37	648.33									24	
	25	648.50	648.51	648.36	648.34									25	
	- Minimum	26	648.49	648.44	648.38	648.34									26
		27	648.53	648.44	648.41	648.30 -									27
		28	648.51	648.42	648.44	648.31									28
		29	648.44		648.38	648.33									29
		30	648.42		648.36	648.34									30
31		648.39		648.36										31	
Monatsmittel	648.49 +	648.46	648.42	648.36	648.34 -									m ü.M.	
Spitze Datum	648.59 + 6.	648.55 7.	648.54 10.	648.46 15.	648.36 - 1.									m ü.M.	
Amplitude	0.22 +	0.17	0.22 +	0.17	0.03 -									m	

Jahr Mittel: 648.43 Spitze: 648.59 (06.01.2025) Minimum: 648.29 (21.04.2025) Amplitude: 0.30



Periode	1997 - 2025 (28 Jahre)													
Monatsmittel	648.10 +	648.08	648.08	648.07	648.06	648.05 -	648.07	648.09	648.10 +	648.10 +	648.10 +	648.10 +	m ü.M.	
Monats-Spitze Jahr	648.70 2003	648.71 2003	648.69 2013	648.71 2013	648.69 2013	648.67 - 2013	648.70 1999	648.81 1999	648.86 + 1999	648.77 1999	648.73 1999	648.77 1999	m ü.M.	
Monats-Minimum Jahr	647.59 2021	647.60 + 2019	647.58 2023	647.59 2023	647.59 2019	647.59 2023	647.56 2023	647.56 2023	647.56 2023	647.55 2023	647.52 2023	647.51 - 2023	647.57 2023	m ü.M.
Monats-Amplitude Jahr	0.37 2015	0.35 2016	0.34 2008	0.35 2000	0.26 1999	0.24 1999	0.24 1999	0.27 2005	0.23 - 2000	0.31 2012	0.40 2010	0.43 + 2017	m ü.M.	
Periode	Mittel: 648.08		Spitze: 648.86 (20.09.1999)				Minimum: 647.51 (05.11.2023)				Amplitude: 1.35			

