

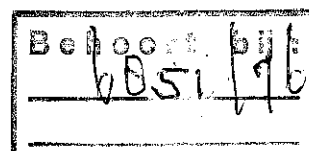
AKZO ZOUT CHEMIE NEDERLAND B.V.  
LOKATIE DELFZIJL



NAUWKEURIGHEIDSWATERPASSING

WATERWINGEBIED KIBBELGAARN

1976





Verslag van de berekening en vereffening van de nauwkeurigheidswaterpassing uitgevoerd in opdracht van AKZO Zoutchemie Locatie Delfzijl in het najaar van 1976.

Voor de berekening en vereffening van de metingen fungeren, evenals de voorgaande jaren, de punten 12 F - 42 en 8 C - 84 als aansluitpunten met de door de N.A.M. in 1976 vastgestelde hoogten.

De vereffening geschiedde volgens de methode van de kleinste kwadraten, waaruit de hoogteverschillen tussen de knooppunten verkregen werden.

De tussenliggende peilmerken zijn evenredig met hun onderlinge afstanden vereffend en in hoogte berekend.

Het waterpasnet is een integraal net van de concessies Adolf van Nassau en het waterwingebied Kibbelgaarn. Voor versteviging van het net is dit jaar de sectie 74 - 104.1 als uitbreiding bijgekomen.

De opgenomen differentiestaat laat de zakkingen van de peilmerken zien, die grotendeels door de gaswinning worden veroorzaakt (zie de zakking van de aansluitpunten).

Bijgaand treft u aan: de resumptiestaten van het jaar 1976 en de differentiestaat.

Heerenveen, november 1976.

INGENIEURSBUREAU "ORANJEWOUD" B.V.

## RESUMTIE DOORGAANDE WATERPASSING

GEBIED *Adolf van Nassau Kibbelgaarn*

IN 8 BLADEN

BLAD /

PEIL-MERK	LENGTE SECTIE L IN KM	GEMETEN HOOGTEVERSCHIL			HOOGTE t.o.v. N.A.P.	V. H-T	$\frac{V^2}{L}$	3 VL	OPMERKINGEN
		HEEN H	TERUG T	GEMIDD. CORRECTIE					
41					2.9850				
	0.66	+0.06851	-0.06846	+0.06849		0.05	0.0038	2.44	
42				-249	3.05100				
42					3.05100				
	1.03	-0.57231	+0.57479	-0.57355		2.48	5.9713	3.04	
51				+38	2.4780				
42					3.05100				
	0.64	-0.32486	+0.32507	-0.32497		0.21	0.0689	2.40	
43					2.72619				
	0.03	-0.20863	+0.20838	-0.20851		0.25	2.0833	0.52	
44					2.51769				
	0.66	-0.20740	+0.20888	-0.20814		1.40	3.3188	2.44	
32.2					2.30971				
	0.45	+0.45163	-0.45194	+0.45179		0.31	0.2136	2.01	
32.1					2.76162				
	0.57	+0.49342	-0.49279	+0.49311		0.63	0.6963	2.26	
33					3.25487				
	2.35			+0.20328			6.3809		m = ± 0.56 mm
				+59					
33					3.25487				
	0.43	-0.51481	+0.51459	-0.51470		-0.22	0.1126	1.97	
Δ 1					2.74013				
	0.81	-0.17892	+0.17925	-0.17908		0.33	0.1344	2.70	
37					2.56097				
	0.45	+0.07498	-0.07454	+0.07476		0.44	0.4302	2.01	
37.1					2.63569				
	0.46	+0.14916	-0.14943	+0.14929		0.27	0.1584	2.03	
37.2					2.78494				
	0.43	-0.12252	+0.12332	-0.12292		0.80	1.4883	1.97	
38					2.66198				m = ± 0.34 mm
	2.58			-0.59265			2.3239		
				-24					
38					2.66198				
	1.07	-0.29990	+0.30038	-0.30014		0.48	0.2153	3.10	
1				-26	2.36158				

## BLAD 2

PEIL-MERK	LENGTE SECTIE L IN KM.	GEMETEN HOOGTEVERSCHIL			HOOGTE t.o.v. N.A.P.	V. H-T	$\frac{V^2}{L}$	3 VL	OPMERKINGEN
		HEEN H	TERUG T	GEMIDD. CORRECTIE					
33					3.25487				
	0.93	+0.55722	-0.55665	+0.55694		0.57	0.3494	2.89	
34.1					3.81213				
	0.61	+0.40300	-0.40158	+0.40229		1.42	3.3056	2.34	
27					4.21463				
	0.60	-0.26529	+0.26654	-0.26592		1.25	2.6042	2.32	
27.2					3.94892				
	2.14			+0.69331			6.2592		m = ± 0.72 mm
				+74					
1					2.36158				
	0.69	+0.70516	-0.70719	+0.70618		2.03	5.9723	2.49	
7					3.06719				
	0.40	-0.00151	+0.00281	-0.00216		1.30	4.2250	1.90	
6					3.06469				
	0.30	+0.18352	-0.18338	+0.18345		0.14	0.0653	1.64	
5					3.24789				
	0.69	+0.70258	-0.70061	+0.70160		1.97	5.6245	2.49	
27.2					3.94892				m = ± 1.00 mm
	2.08			+1.58907			15.8871		
				-173					
5					3.24789				
	0.33	-0.09847	+0.09898	-0.09873		0.51	0.7882	1.72	
3					3.14916				
	0.37	+0.00447	-0.00353	+0.00400		0.94	2.3881	1.82	
4					3.15316				
3					3.14916				
	0.32	-0.00125	+0.00018	-0.00072		1.07	3.5778	1.70	
Δ2 A					3.14844				
27.2					3.94825				
	0.67	+0.12675	-0.12618	+0.12647		0.57	0.4849	2.46	
21					4.07439				
	0.41	-0.97162	+0.97262	-0.97212		1.00	2.4390	1.92	
21.1					3.10207				
	0.06	-0.21419	+0.21424	-0.21422		0.05	0.0417	0.73	
Δ4					2.88782				
	0.59	+0.25301	-0.25312	+0.25307		0.11	0.0205	2.30	
21.2					3.14061				
	0.57	+1.19664	-1.19669	+1.19667		0.05	0.0044	2.26	
14					4.33700				m = ± 0.39 mm
	2.30			+0.38987			2.9905		
				-112					

## RESUMTIE DOORGAANDE WATERPASSING

GEBIED Adolf van Nassau Kibbelgaarn

IN 8 BLADEN

BLAD 3

PEIL-MERK	LENGTE SECTIE L IN KM.	GEMETEN HOOGTEVERSCHIL			HOOGTE t.o.v. N.A.P.	V. H-T	$\frac{V^2}{L}$	3VL	OPMERKINGEN
		HEEN H	TERUG T	GEMIDD. CORRECTIE					
11					3.97146				
11	0.68	+0.36632	-0.36475	+0.36554		1.57	3.6249	2.47	
14					4.33700				
14					4.33700				
14	0.87	-0.65412	+0.65487	-0.65450		0.75	0.6466	2.80	
37					3.68207				
12	0.81	-0.38700	+0.38788	-0.38744		0.88	0.9560	2.70	
46					3.29424				
	0.75	-0.31060	+0.30933	-0.30996		1.27	2.1505	2.60	
46.1					2.98391				$m = \pm 0.56 \text{ mm}$
	2.43			-1.35190			3.7531		
				-119					
46.1					2.98391				
	0.71	-0.46104	+0.46173	-0.46139		0.69	0.6706	2.53	
48.1					2.52225				
	0.52	+0.25034	-0.24965	+0.25000		0.69	0.9156	2.16	
13	48.2				2.77206				
	0.66	+0.31302	-0.31132	+0.31217		1.70	4.3788	2.44	
38.3					3.08398				
	1.18	-0.72274	+0.72115	-0.72195		1.59	2.1425	3.26	
1					2.36158				$m = \pm 0.71 \text{ mm}$
	3.07			-0.62117			8.1075		
				-116					
38					2.66198				
	0.50	-0.53310	+0.53291	-0.53301		0.19	0.0722	2.12	
42					2.12904				
	0.88	-0.60237	+0.60197	-0.60217		0.40	0.1818	2.81	
47.1					1.52700				
	0.77	+0.05897	-0.05652	+0.05775		2.45	7.7955	2.63	
14	47.2				1.58486				
	0.80	-0.07151	+0.07301	-0.07226		1.50	2.8125	2.68	
47.3					1.51272				
	0.69	-0.58874	+0.58981	-0.58928		1.07	1.6593	2.49	
47.4					0.92354				
	0.76	+0.51810	-0.51612	+0.51711		1.98	5.1584	2.62	
76.1					1.44076				$m = \pm 0.91 \text{ mm}$
	4.40			-1.22186			17.6797		
				+64					
48.1					2.52225				
15	0.02	-0.14457	+0.14445	-0.14451		0.12	0.7200	0.42	
43					2.37774				

## RESUMTIE DOORGAANDE WATERPASSING

GEBIED Adolf van Nassau Kibbelgoorn

IN 8 BLADEN

BLAD 4

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# RESUMTIE DOORGAANDE WATERPASSING

GEBIED Adolf van Nassau Kibbelgaarn

IN 8 BLADEN

BLAD 5

PEIL-MERK	LENGTE L IN KM	GEMETEN HOOGTEVERSCHIL			HOOGTE t.o.v. N.A.P.	V. H-T	$\frac{V^2}{L}$	3VL	OPMERKINGEN
		HEEN H	TERUG T	GEMIDD. CORRECTIE					
69.2					180019				
	0.59	+007303	-007289	+007296		0.14	0.0332	2.30	
69.3					187312				
	0.83	-104916	+105012	-104964		0.96	1.1103	2.73	
69.4					082344				
	0.47	-000651	+000813	-000732		1.62	5.5838	2.05	
69.5					081610				
	0.41	-021795	+021869	-021832		0.74	1.3356	1.92	
69.6					059776				
	0.42	-012446	+012580	-012513		1.34	4.2752	1.94	
69.7					047260				
	0.29	-003714	+003755	-003734		0.41	0.5796	1.61	
Δ 3A					043525				m = ± 0.23 mm
	3.01			-136479			12.9177		
				-15					
Δ 3A					043525				
	0.65	+017895	-017851	+017873		0.44	0.2978	2.42	
114					061397				
	0.43	+022226	-022290	+022258		0.64	0.9526	1.97	
XI					083655				
	0.48	-031374	+031450	-031412		0.76	1.2033	2.08	
H					052242				
	0.31	+090806	-090742	+090774		0.64	1.3213	1.67	
C					143016				
	0.09	+028470	-028477	+028473		0.07	0.0544	0.90	
125					171489				
	0.22	-003302	+003228	-003265		0.74	2.4891	1.41	
VIII					168224				
	0.19	+141215	-141174	+141194		0.41	0.8847	1.31	
131.1					309417				m = ± 0.51 mm
	2.37			+265895			7.2032		
				-3					
131.1					309417				
	0.34	-166667	+166831	-166749		1.64	7.9105	1.74	
F					142656				
	0.11	+002783	-002819	+002801		0.36	1.1781	0.99	
W1					145452				
	0.74	+062857	-062909	+062883		0.52	0.3654	2.58	
XVI					208308				
	0.77	-058755	+058850	-058802		0.95	1.1720	2.63	
120					149478				m = ± 0.26 mm
	1.96			-159867			10.6260		
				-72					
120					149478				
	0.45	-026676	+026744	-026710		0.68		2.01	
1-1				-28	122740				



# RESUMTIE DOORGAANDE WATERPASSING

GEBIED Adolf van Nassau Kibbelgaarn

IN 8 BLADEN

BLAD 6

PEIL-MERK	LENGTE SECTIE L IN KM	GEMETEN HOOGTEVERSCHIL			HOOGTE t.o.v. N.A.P.	V. H-T	$\frac{V^2}{L}$	3 VI	OPMERKINGEN
		HEEN H	TERUG T	GEMIDD. CORRECTIE					
1=1					1.22740				
	0.40	+0.98806	-0.98678	+0.98742		1.28	4.0960	1.89	
137					2.21471				
(23)	0.58	-0.42218	+0.42337	-0.42277		1.19	2.4415	2.28	
127					1.79179				
	0.34	-0.20365	+0.20422	-0.20393		0.57	0.9555	1.74	
124					1.58777				$m = \pm 0.79 \text{ mm}$
	1.32			+0.36072			7.4930		
				-35					
124					1.58777				
	0.66	+1.10375	-1.10225	+1.10300		1.50	3.4090	2.34	
97					2.69041				
(24)	1.04	-2.25367	+2.25427	-2.25397		0.60	0.3462	3.06	
100					0.43586				
	0.89	-0.22239	+0.22289	-0.22264		0.50	0.2808	2.83	
74					0.21273				$m = \pm 0.58 \text{ mm}$
	2.59			-1.37361			4.0360		
74					0.21273				
(25)	1.72	+0.33219	-0.32889	+0.33054		3.30	6.3314	3.93	
104.1					0.54232				
	4.31			-1.04307			10.3674		
				-238					
120					1.49478				
	0.58	-1.13365	+1.13498	-1.13431		1.33	3.0498	2.28	
106					0.36061				
(26)	0.51	+0.08890	-0.08916	+0.08903		0.26	0.1325	2.14	
KNZ					0.44977				
	0.36	+1.21920	-1.21908	+1.21914		0.12	0.0400	1.08	
84					1.66900				$m = \pm 0.52 \text{ mm}$
	1.45			+0.17386			3.2223		
				+36					
124					1.58777				
	0.40	-0.31989	+0.32072	-0.32030		0.83	1.7222	1.89	
123					1.26759				
	0.35	+0.32144	-0.31983	+0.32063		1.61	7.4060	1.77	
106					1.58832				
(27)	0.30	+1.87512	-1.87447	+1.87479		0.65	1.4083	1.64	
117					3.46319				
	0.54	-3.08344	+3.08484	-3.08414		1.40	3.6295	2.20	
113					0.37921				
	0.41	+0.05636	-0.05548	+0.05592		0.88	1.8887	1.92	
43A					0.43525				$m = \pm 0.90 \text{ mm}$
	2.00			-1.15310			16.0547		
				+58					

# RESUMTIE DOORGAANDE WATERPASSING

GEBIED Adolf van Nassau Kibbelgaarn

IN 8 BLADEN BLAD 7

PEIL-MERK	LENGTE SECTIE L IN KM	GEMETEN HOOGTEVERSCHIL			HOOGTE t.o.v. NAP	V H-T	$\frac{V^2}{L}$	3VL	OPMERKINGEN
		HEEN H	TERUG T	GEMIDD. CORRECTIE					
131.1					3.09417				
D	0.34	-1.49890	+1.50016	-1.49953	1.59476	1.26	4.6694	1.74	
A	0.37	-0.46654	+0.46818	-0.46736	1.12753	1.64	7.2691	1.82	
28 IVB	0.16	-0.25266	+0.25331	-0.25298	0.87460	0.65	2.6406	1.20	
III A	0.21	-0.00023	+0.00072	-0.00047	0.87421	0.49	1.1433	1.37	
I	0.21	+0.35339	-0.35286	+0.35312	1.22740	0.53	1.3376	1.37	
	1.29			-1.86722			17.0600		m = ± 0.92 mm
				+45					
H					0.52242				
118	0.21	+0.44110	-0.44041	+0.44075	0.96317	0.69	2.2671	1.37	
29 119	0.29	+0.95569	-0.95476	+0.95522	1.91839	0.93	2.9824	1.61	
	0.31	-0.44757	+0.44873	-0.44815	1.47024	1.16	4.3406	1.67	
120	0.16	-0.22952	+0.22943	-0.22947	1.24077	0.09	0.0506	1.20	
I	0.97			+0.71835			9.6407		m = ± 0.78 mm
VIII					1.68224				
E	0.08	-0.08850	+0.08863	-0.08856	1.59368	0.13	0.2112	0.84	
30 131.1					3.09417				
31 B	0.17	-1.40966	+1.41015	-1.40990	1.68427	0.49	1.4123	2.10	
F					1.42656				
32 G	0.38	-0.40194	+0.40347	-0.40270	1.02386	1.53	6.1602	1.84	
A					1.12753				
33 V	0.08	+0.30097	-0.30031	+0.30064	1.42817	0.66	5.4450	0.84	

## RESUMTIE DOORGAANDE WATERPASSING

GEBIED Adolf van Nassau Kibbelgaarn

IN 8 BLADEN BLAD 8

PEIL-MERK	LENGTE SECTIE L IN KM	GEMETEN HOOGTEVERSCHIL			HOOGTE TOV. NAP	V. H-T	$\frac{V^2}{L}$	3VL	OPMERKINGEN
		HEEN H	TERUG T	GEMIDD CORRECTIE					
76.1					144076				
(34) 76.2	0.22	-0.20345	+0.20366	-0.20356		0.21	0.2005	1.41	
104.1	0.65	-0.69429	+0.69559	-0.69494		1.30	2.6000	2.42	
	0.87			-0.89850	0.54232		2.8005		m = ± 0.59 mm
				+6					
104.1					0.54232				
(35) 104.2	0.50	+0.25271	-0.25274	+0.25273		0.03	0.0018	2.12	
	0.16	+0.34709	-0.34605	+0.34657	-25 0.79480				
104.3				-8	1.14129	1.04	6.7600	1.20	
	0.66			+0.59930			6.7618		m = ± 0.92 mm
104.3					1.14129				
(36) 103.1	0.60	-0.40844	+0.40846	-0.40845		0.02	0.0007	2.32	
	0.72	-0.24256	+0.24338	-0.24297	-19 0.73265				
103.5				-23	0.48945	0.82	0.9339	2.55	
	1.32			-0.65142			0.9346		m = ± 0.34 mm
104.2					0.79480				
104.4	0.41	+0.38102	-0.38093	+0.38098		0.09	0.0198	1.92	
(37) 76.5	0.47	+0.16336	-0.16329	+0.16333	1.17597	0.07	0.0104	2.06	
76.3	0.55	+0.86383	-0.86296	+0.86340	1.33953	0.87	1.3762	2.22	
	1.43			+1.40771	2.20319		1.4064		m = ± 0.42 mm
				+68					
104.3					1.14129				
(38) 76.6	0.72	-0.44358	+0.44407	-0.44383		0.49	0.3335	2.55	
76.4	0.55	+1.10204	-1.10320	+1.10262	0.69732	1.16	2.4465	2.22	
	1.27			+0.65879	1.79984		2.7800		m = ± 0.59 mm
				-24					
103.4					1.75644				
(39) 69.2	1.30	+0.04498	-0.04290	+0.04394		2.08	3.3280	3.42	
				-19	1.80019				

# DIFFERENTIE STAAT

DIFFERENTIE STAAT

PEILMERK		1969		1970		1971		1972		1973		1973 uit NAP '72		1974		1975		1976	
Top.bld.	Nº	hoogte (m)	Q1mm	hoogte (m)	Q1mm	hoogte (m)	Q1mm	hoogte (m)	Q1mm	hoogte (m)	Q1mm	hoogte (m)	Q1mm	Hoogte (m)	Q1mm	hoogte (m)	Q1mm	hoogte (m)	Q1mm
12F	41	2,9832	NAP	2,9950	+ 18	2,9951	+ 29	2,9961	NAP +29	2,9951	+19	2,9994	-38	2,9972	- 60	2,9846	- 86	2,9850	- 82
12F	42	3,0636	3,0637	3,0636	0	3,0636	0	3,0636	0	3,0636	0	3,0636	-57	3,0545	- 81	3,0510	-121	3,0510	-125
12F	51	2,4952		2,4941	- 11	2,4922	- 30	2,4919	-33	2,4920	-32	2,4863	-89	2,4816	-136	2,4803	-149	2,4780	-172
12F	43	2,7434		2,7431	- 3	2,7430	- 14	2,7431	- 3	2,7420	-14	2,7358	-76	2,7320	-114	2,7282	-152	2,7262	-172
12F	44	2,6315		2,6313	- 2	2,6307	- 15	2,6316	+ 1	2,6316	+ 1	2,6304	-61	2,6230	- 85	2,6190	-125	2,6177	-138
12F	32	2,6442		2,6443	- 1	2,6436	- 6	2,6451	+ 8	2,6451	+ 9	2,6379	-63	2,6340	-102	2,6308	-134	2,6266	-151
12F	32,1	2,7807		2,7810	+ 3	2,7790	- 77	2,7801	- 6	2,7785	-22	2,7711	-86	2,7672	-134	2,7620	-187	2,7616	-191
12F	33	2,6684		2,6677	+ 15	2,6676	+ 19	2,6703	+19	2,6712	+28	2,6533	-51	2,6518	- 66	2,6493	-141	2,6459	-135
12F	35	2,5426		2,5427	+ 1	2,5427	+ 1	2,5408	-18	2,5422	- 4	2,5341	-85	2,5286	- 40	2,5243	-141	2,5249	-135
12F	A 1	2,7121		2,7121	+ 2	2,7121	- 13	2,7121	+15	2,7121	+15	2,7087	-34	2,7046	- 75	2,7039	-126	2,7041	-120
12F	37	2,5744		2,5738	- 6	2,5736	- 13	2,5758	+15	2,5758	+15	2,5690	-54	2,5647	- 97	2,5593	-151	2,5560	-134
12F	37,1	2,6472		2,6472	- 21	2,6472	- 8	2,6504	+13	2,6504	+13	2,6426	-46	2,6373	- 99	2,6337	-135	2,6357	-115
12F	121	2,7998		2,7998	+ 14	2,7998	+ 9	2,8018	+25	2,8018	+25	2,7933	-65	2,7876	-122	2,7838	-160	2,7849	-149
12F	A 2	2,1399		2,1411	+ 13	2,1411	+ 22	2,1440	+37	2,1440	+41	2,1353	-46	2,1320	- 77	2,1276	-123	2,1290	-109
12F	58	2,6733		2,6747	+ 14	2,6747	+ 19	2,6776	+28	2,6776	+43	2,6687	-46	2,6656	- 77	2,6604	-129	2,6620	-113
12F	1	2,5728		2,5728	- 2	2,5728	- 7	2,5756	+28	2,5756	+43	2,5670	-58	2,5632	- 76	2,5598	-130	2,5616	-112
12F	7	2,0774		2,0768	- 6	2,0768	+ 6	2,0807	+33	2,0807	+43	2,0724	-50	2,0706	- 68	2,0652	-122	2,0672	-102
12F	6	2,0783		2,0783	- 32	2,0783	- 25	2,0783	0	2,0786	+ 3	2,0695	-88	2,0683	-100	2,0630	-153	2,0647	-136
12F	5	2,1584		2,1584	- 8	2,1584	+ 4	2,1614	+32	2,1616	+32	2,1526	-57	2,1527	- 68	2,1480	-113	2,1492	-101
12F	121	2,7998		2,7998	+ 14	2,7998	+ 9	2,8018	+25	2,8018	+25	2,7933	-65	2,7876	-122	2,7838	-160	2,7849	-149
12F	A 2	2,1399		2,1411	+ 13	2,1411	+ 22	2,1440	+37	2,1440	+41	2,1353	-46	2,1320	- 77	2,1276	-123	2,1290	-109
12F	58	2,6733		2,6747	+ 14	2,6747	+ 19	2,6776	+28	2,6776	+43	2,6687	-46	2,6656	- 77	2,6604	-129	2,6620	-113
12F	1	2,5728		2,5728	- 2	2,5728	- 7	2,5756	+28	2,5756	+43	2,5670	-58	2,5632	- 76	2,5598	-130	2,5616	-112
12F	7	2,0774		2,0768	- 6	2,0768	+ 6	2,0807	+33	2,0807	+43	2,0724	-50	2,0706	- 68	2,0652	-122	2,0672	-102
12F	6	2,0783		2,0783	- 32	2,0783	- 25	2,0783	0	2,0786	+ 3	2,0695	-88	2,0683	-100	2,0630	-153	2,0647	-136
12F	5	2,1584		2,1584	- 8	2,1584	+ 4	2,1614	+32	2,1616	+32	2,1526	-57	2,1527	- 68	2,1480	-113	2,1492	-101
12F	121	2,7998		2,7998	+ 14	2,7998	+ 9	2,8018	+25	2,8018	+25	2,7933	-65	2,7876	-122	2,7838	-160	2,7849	-149
12F	A 2	2,1399		2,1411	+ 13	2,1411	+ 22	2,1440	+37	2,1440	+41	2,1353	-46	2,1320	- 77	2,1276	-123	2,1290	-109
12F	58	2,6733		2,6747	+ 14	2,6747	+ 19	2,6776	+28	2,6776	+43	2,6687	-46	2,6656	- 77	2,6604	-129	2,6620	-113
12F	1	2,5728		2,5728	- 2	2,5728	- 7	2,5756	+28	2,5756	+43	2,5670	-58	2,5632	- 76	2,5598	-130	2,5616	-112
12F	7	2,0774		2,0768	- 6	2,0768	+ 6	2,0807	+33	2,0807	+43	2,0724	-50	2,0706	- 68	2,0652	-122	2,0672	-102
12F	6	2,0783		2,0783	- 32	2,0783	- 25	2,0783	0	2,0786	+ 3	2,0695	-88	2,0683	-100	2,0630	-153	2,0647	-136
12F	5	2,1584		2,1584	- 8	2,1584	+ 4	2,1614	+32	2,1616	+32	2,1526	-57	2,1527	- 68	2,1480	-113	2,1492	-101
12F	121	2,7998		2,7998	+ 14	2,7998	+ 9	2,8018	+25	2,8018	+25	2,7933	-65	2,7876	-122	2,7838	-160	2,7849	-149
12F	A 2	2,1399		2,1411	+ 13	2,1411	+ 22	2,1440	+37	2,1440	+41	2,1353	-46	2,1320	- 77	2,1276	-123	2,1290	-109
12F	58	2,6733		2,6747	+ 14	2,6747	+ 19	2,6776	+28	2,6776	+43	2,6687	-46	2,6656	- 77	2,6604	-129	2,6620	-113
12F	1	2,5728		2,5728	- 2	2,5728	- 7	2,5756	+28	2,5756	+43	2,5670	-58	2,5632	- 76	2,5598	-130	2,5616	-112
12F	7	2,0774		2,0768	- 6	2,0768	+ 6	2,0807	+33	2,0807	+43	2,0724	-50	2,0706	- 68	2,0652	-122	2,0672	-102
12F	6	2,0783		2,0783	- 32	2,0783	- 25	2,0783	0	2,0786	+ 3	2,0695	-88	2,0683	-100	2,0630	-153	2,0647	-136
12F	5	2,1584		2,1584	- 8	2,1584	+ 4	2,1614	+32	2,1616	+32	2,1526	-57	2,1527	- 68	2,1480	-113	2,1492	-101
12F	121	2,7998		2,7998	+ 14	2,7998	+ 9	2,8018	+25	2,8018	+25	2,7933	-65	2,7876	-122	2,7838	-160	2,7849	-149
12F	A 2	2,1399		2,1411	+ 13	2,1411	+ 22	2,1440	+37	2,1440	+41	2,1353	-46	2,1320	- 77	2,1276	-123	2,1290	-109
12F	58	2,6733		2,6747	+ 14	2,6747	+ 19	2,6776	+28	2,6776	+43	2,6687	-46	2,6656	- 77	2,6604	-129	2,6620	-113
12F	1	2,5728		2,5728	- 2	2,5728	- 7	2,5756	+28	2,5756	+43	2,5670	-58	2,5632	- 76	2,5598	-130	2,5616	-112
12F	7	2,0774		2,0768	- 6	2,0768	+ 6	2,0807	+33	2,0807	+43	2,0724	-50	2,0706	- 68	2,0652	-122	2,0672	-102
12F	6	2,0783		2,0783	- 32	2,0783	- 25	2,0783	0	2,0786	+ 3	2,0695	-88	2,0683	-100	2,0630	-153	2,0647	-136
12F	5	2,1584		2,1584	- 8	2,1584	+ 4	2,1614	+32	2,1616	+32	2,1526	-57	2,1527	- 68	2,1480	-113	2,1492	-101
12F	121	2,7998		2,7998	+ 14	2,7998	+ 9	2,8018	+25	2,8018	+25	2,7933	-65	2,7876	-122	2,7838	-160	2,7849	-149
12F	A 2	2,1399		2,1411	+ 13	2,1411	+ 22	2,1440	+37	2,1440	+41	2,1353	-46	2,1320	- 77	2,1276	-123	2,1290	-109
12F	58	2,6733		2,6747	+ 14	2,6747	+ 19	2,6776	+28	2,6776	+43	2,6687	-46	2,6656	- 77	2,6604	-129	2,6620	-113
12F	1	2,5728		2,5728	- 2	2,5728	- 7	2,5756	+28	2,5756	+43	2,5670	-58	2,5632	- 76	2,5598	-130	2,5616	-112
12F	7	2,0774		2,0768	- 6	2,0768	+ 6	2,0807	+33	2,0807	+43	2,0724	-50	2,0706	- 68	2,0652	-122	2,0672	-102
12F	6	2,0783		2,0783	- 32	2,0783	- 25	2,0783	0	2,0786	+ 3	2,0695	-88	2,0683	-100	2,0630	-153	2,0647	-136
12F	5	2,1584		2,1584	- 8	2,1584	+ 4	2,1614	+32	2,1616	+32	2,1526	-57	2,1527	- 68	2,1480	-113	2,1492	-101
12F	121	2,7998		2,7998	+ 14	2,7998	+ 9	2,8018	+25	2,8018	+25	2,7933	-65	2,7876	-122	2,7838	-160	2,7849	-149
12F	A 2	2,1399		2,1411	+ 13	2,1411	+ 22	2,1440	+37	2,1440	+41	2,1353	-46	2,1320	- 77	2,1276	-123	2,1290	-109
12F	58	2,6733		2,6747	+ 14	2,6747	+ 19	2,6776	+28	2,6776	+43	2,6687	-46	2,6656	- 77	2,6604	-129	2,6620	-113
12F	1	2,5728		2,5728	- 2	2,5728	- 7	2,5756	+28	2,5756	+43	2,5670	-58	2,5632	- 76	2,5598	-130	2,5616	-112
12F	7	2,0774		2,0768	- 6	2,0768	+ 6	2,0807	+33	2,0807	+43	2,0724	-50	2,0706	- 68	2,0652	-122	2,0672	-102
12F	6	2,0783		2,0783	- 32	2,0783	- 25	2,0783	0	2,0786	+ 3	2,0695	-88	2,0683	-100	2,0630	-153	2,0647	-136
12F	5	2,1584		2,1584	- 8	2,1584	+ 4	2,1614	+32	2,1616	+32	2,1526	-57	2,1527	- 68	2,1480	-113	2,1492	-101
12F	121	2,7998		2,7998	+ 14	2,7998	+ 9	2,8018	+25	2,8018	+25	2,7933	-65	2,7876	-122	2,7838	-160	2,7849	-149
12F	A 2	2,1399		2,1411	+ 13	2,1411	+ 22	2,1440	+37	2,1440	+41	2,1353	-46	2,1320	- 77	2,1276	-123	2,1290	-109
12F	58	2,6733		2,6747	+ 14	2,6747	+ 19	2,6776	+28	2,6776	+43	2,6687	-46	2,6656	- 77	2,6604	-129	2,6620	-113
12F	1	2,5728		2,5728	- 2	2,5728	- 7	2,5756	+28	2,5756	+43	2,5670	-58	2,5632	- 76	2,5598	-130	2,5616	-112
12F	7	2,0774		2,0768	- 6	2,0768	+ 6	2,0807	+33	2,0807	+43	2,0724	-50	2,0706	- 68	2,0652	-122	2,0672	-102
12F	6	2,0783																	

# DIFFERENTIE STAAT

PEILMERK	Top.bld.	Nº	1969	1970	1971	1972	1973	1974	1975	1976	1977
			hoogte (m)	hoogte (m)	hoogte (m)	hoogte (m)	hoogte (m)	hoogte (m)	hoogte (m)	hoogte (m)	hoogte (m)
13A	69.3		1,894	1,898	1,898	1,896	1,897	1,879	1,872	1,871	-263
13A	69.4		0,847	0,847	0,845	0,845	0,845	0,827	0,827	0,824	-183
13A	69.5		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-185
13A	69.6		0,842	0,842	0,841	0,841	0,841	0,815	0,815	0,812	-210
13A	69.7		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-220
13A	69.8		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-238
13A	69.9		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-299
13A	70.0		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-323
13A	70.1		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-328
13A	70.2		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-334
13A	70.3		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-331
13A	70.4		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-433
13A	70.5		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-320
13A	70.6		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-317
13A	70.7		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-349
13A	70.8		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-344
13A	70.9		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-333
13A	71.0		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-304
13A	71.1		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-344
13A	71.2		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-323
13A	71.3		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-284
13A	71.4		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-348
13A	71.5		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-469
13A	71.6		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-343
13A	71.7		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-347
13A	71.8		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-303
13A	71.9		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-412
13A	72.0		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-288
13A	72.1		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-273
13A	72.2		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-255
13A	72.3		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-256
13A	72.4		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-352
13A	72.5		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-391
13A	72.6		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-329
13A	72.7		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-363
13A	72.8		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-331
13A	72.9		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-346
13A	73.0		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-294
13A	73.1		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-297
13A	73.2		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-312
13A	73.3		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-354
13A	73.4		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-75
13A	73.5		0,846	0,846	0,845	0,845	0,845	0,819	0,819	0,816	-63

## DIFFERENTIE STAAT

[illegible]