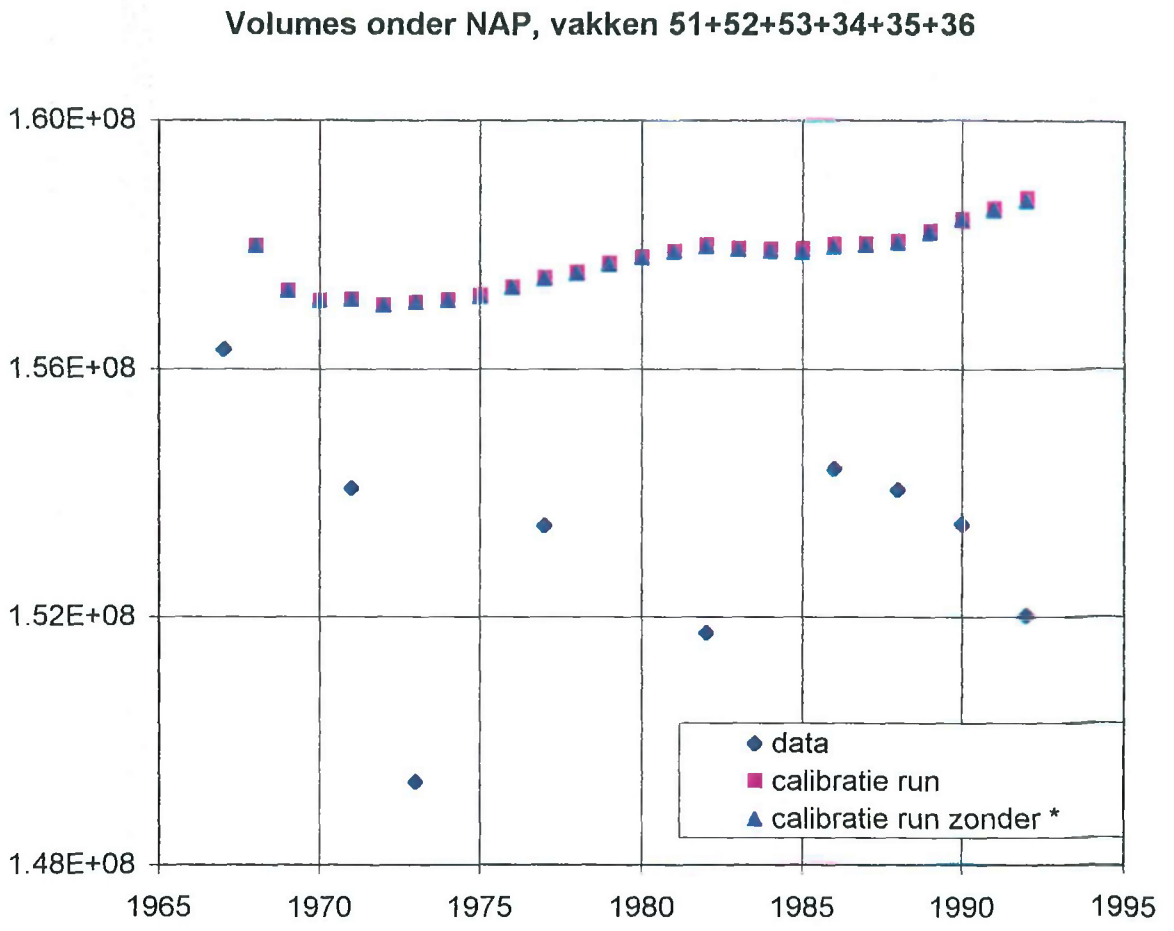
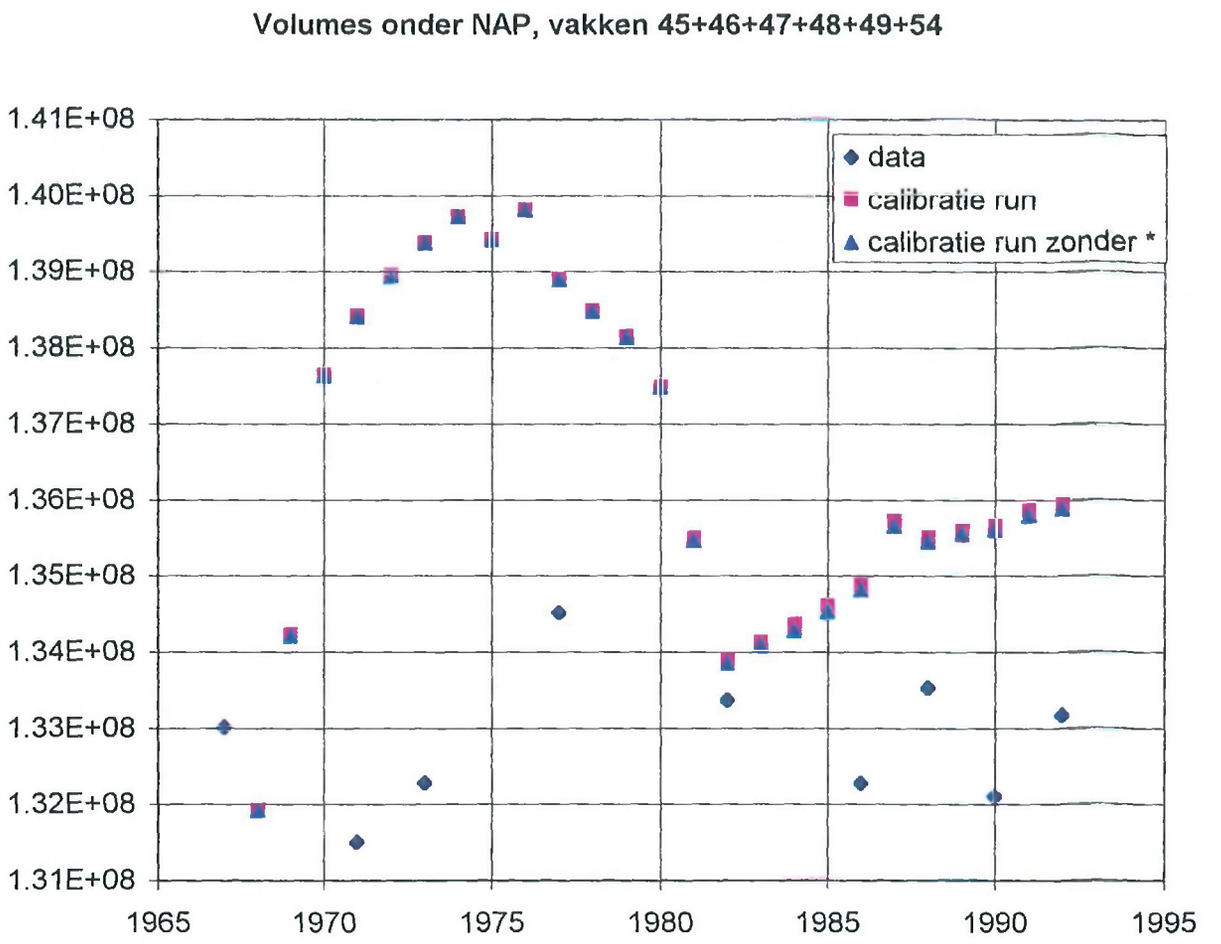


Ontwikkeling gemeten en berekend gesommeerd volume onder NAP van vaknummers 51, 52, 53, 34, 35, en 36

DELFT HYDRAULICS

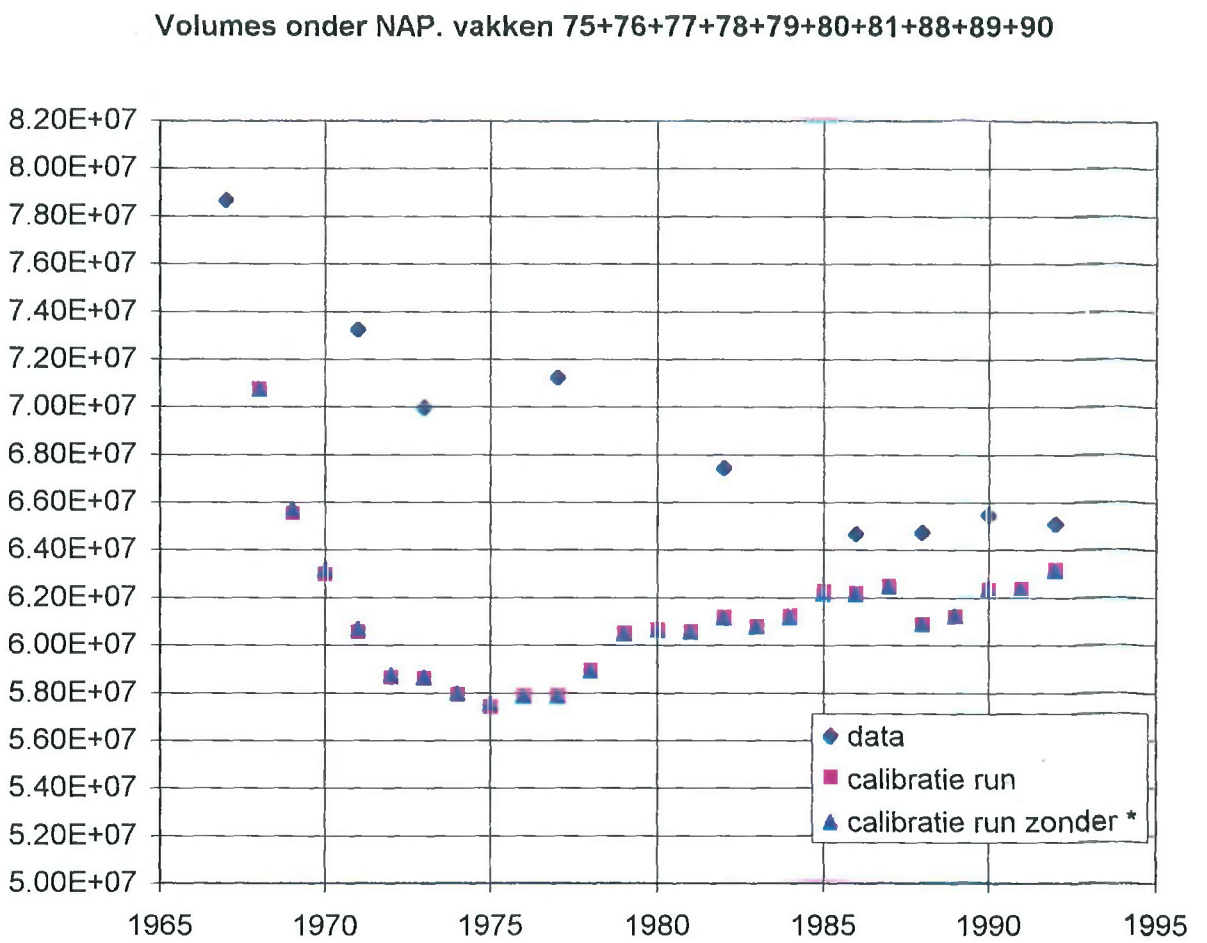
Fig. 2.7c



Ontwikkeling gemeten en berekend gesommeerd volume onder NAP van vaknummers 45, 46, 47, 48, 49 en 54

DELFT HYDRAULICS

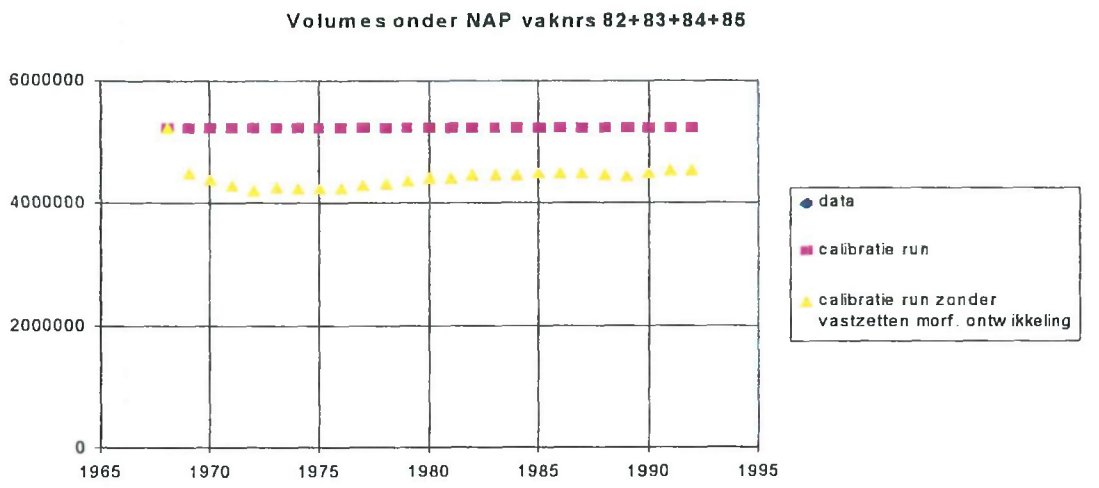
Fig. 2.7d



Ontwikkeling gemeten en berekend gesommeerd volume onder NAP van vaknummers 75, 76, 77, 78, 79, 80, 81, 88, 89 en 90

DELFT HYDRAULICS

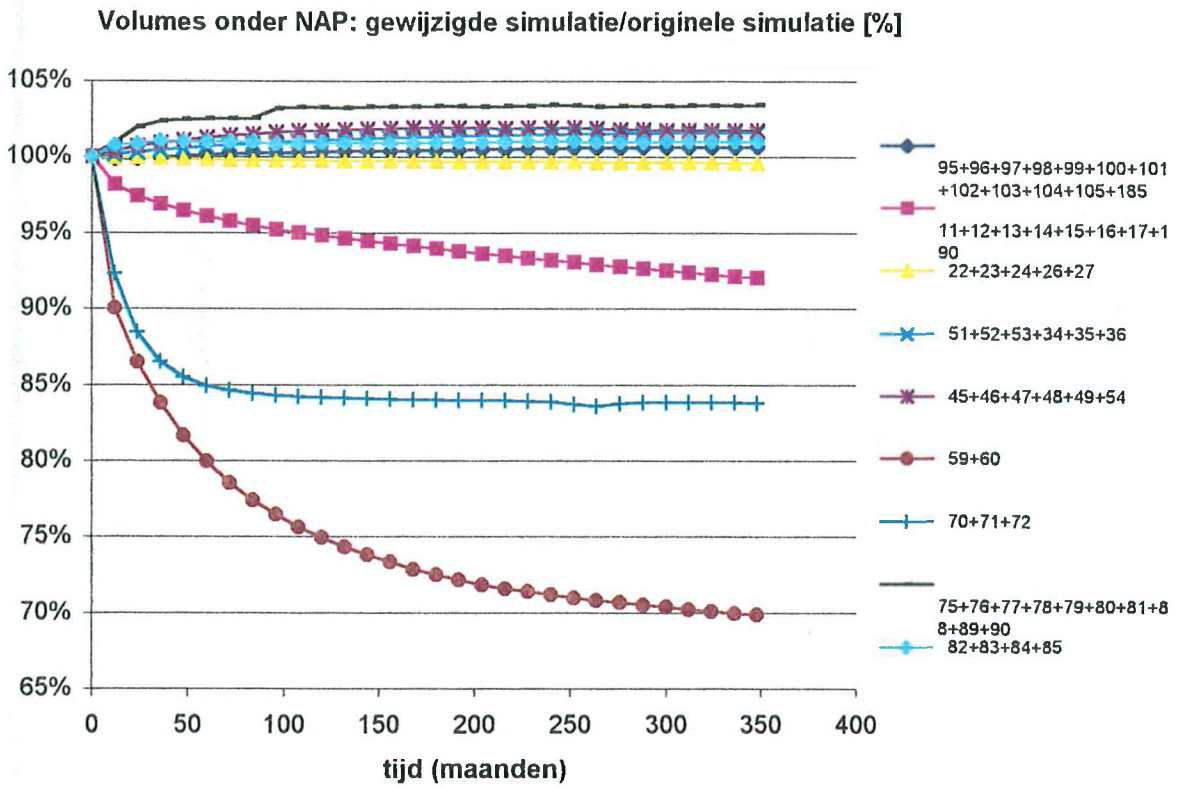
Fig. 2.7e



Ontwikkeling gemeten en berekend gesommeerd volume onder NAP van vaknummers 82, 83, 84 en 85

DELFT HYDRAULICS

Fig. 2.7f


Volumes onder NAP: gewijzigde simulatie/originele simulatie [%]
105%
100%
95%
90%
85%
80%
75%
70%
65%
0
50
100
150
200
250
300
350
400
tijd (maanden)
95+96+97+98+99+100+101+102+103+104+105+185
11+12+13+14+15+16+17+190
22+23+24+26+27
51+52+53+34+35+36
45+46+47+48+49+54
59+60
70+71+72
75+76+77+78+79+80+81+88+89+90
82+83+84+85

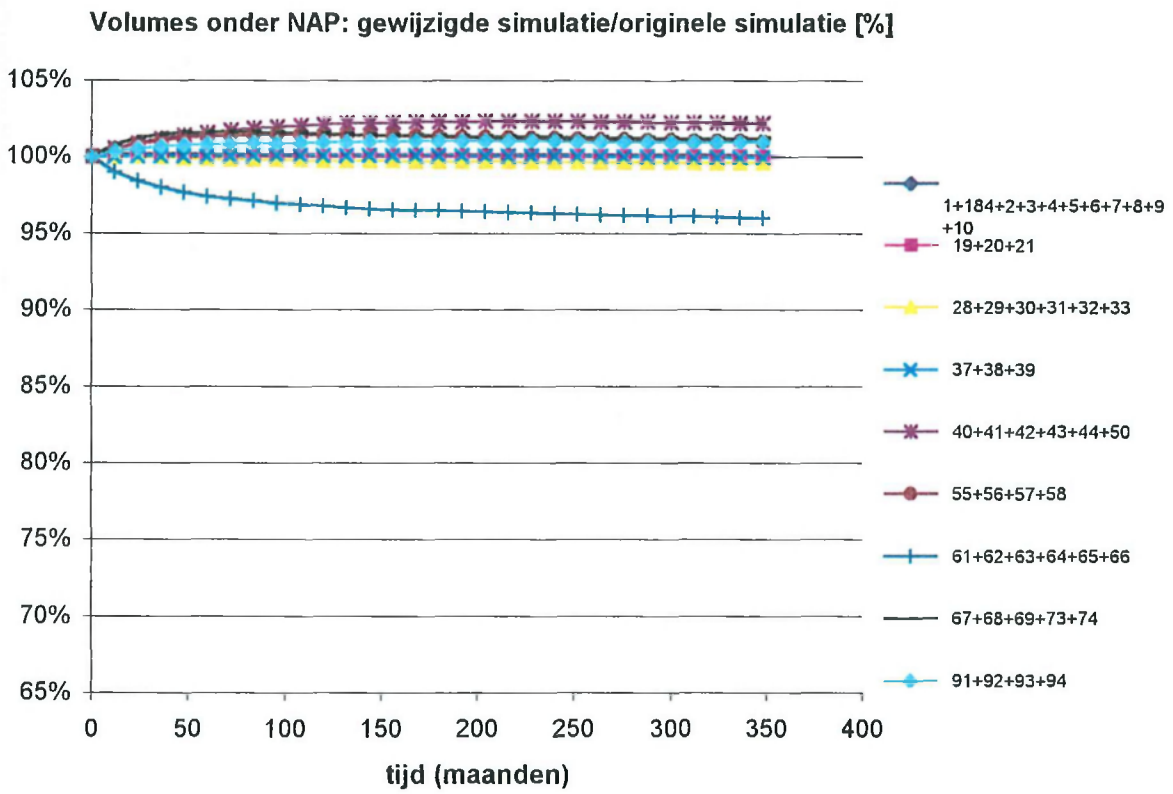
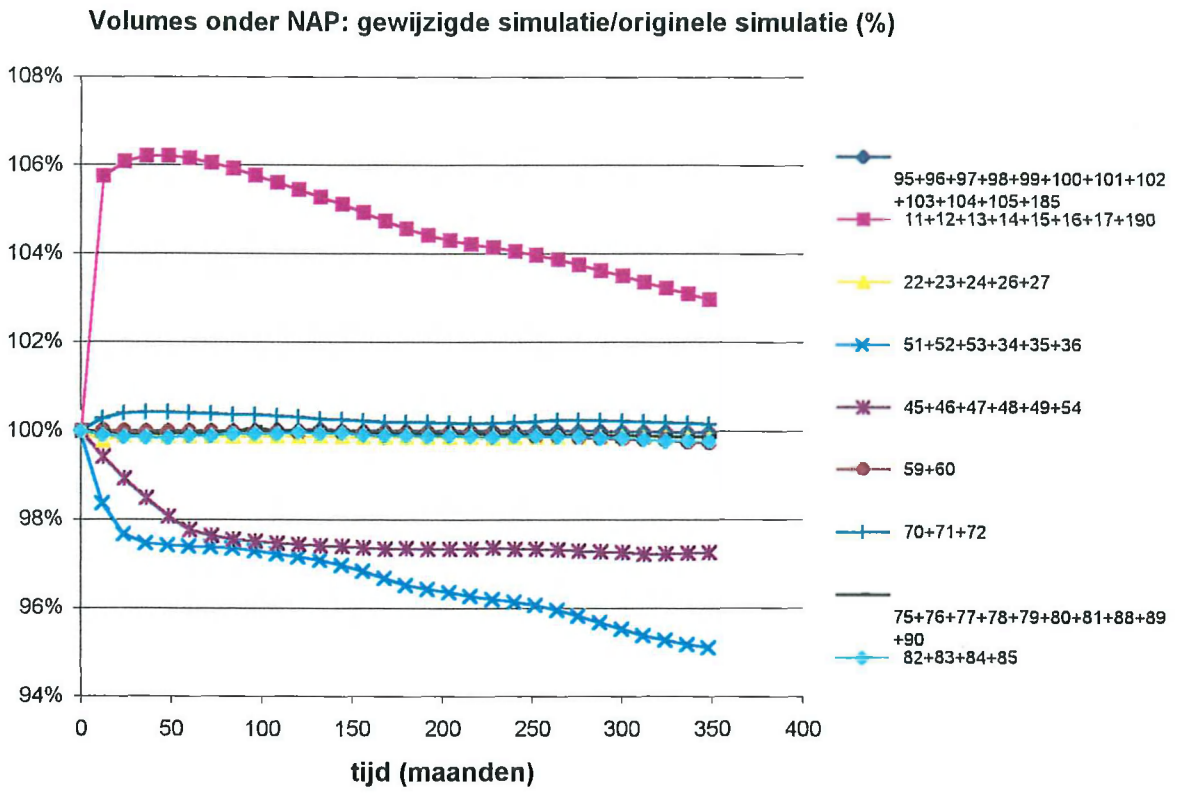

Volumes onder NAP: gewijzigde simulatie/originele simulatie [%]
105%
100%
95%
90%
85%
80%
75%
70%
65%
0
50
100
150
200
250
300
350
400
tijd (maanden)
1+184+2+3+4+5+6+7+8+9+10
19+20+21
28+29+30+31+32+33
37+38+39
40+41+42+43+44+50
55+56+57+58
61+62+63+64+65+66
67+68+69+73+74
91+92+93+94

Fig 2.8


Volumes onder NAP: gewijzigde simulatie/originele simulatie (%)
108%
106%
104%
102%
100%
98%
96%
94%
0
50
100
150
200
250
300
350
400
tijd (maanden)
95+96+97+98+99+100+101+102 +103+104+105+185
11+12+13+14+15+16+17+190
22+23+24+26+27
51+52+53+34+35+36
45+46+47+48+49+54
59+60
70+71+72
75+76+77+78+79+80+81+88+89 +90
82+83+84+85

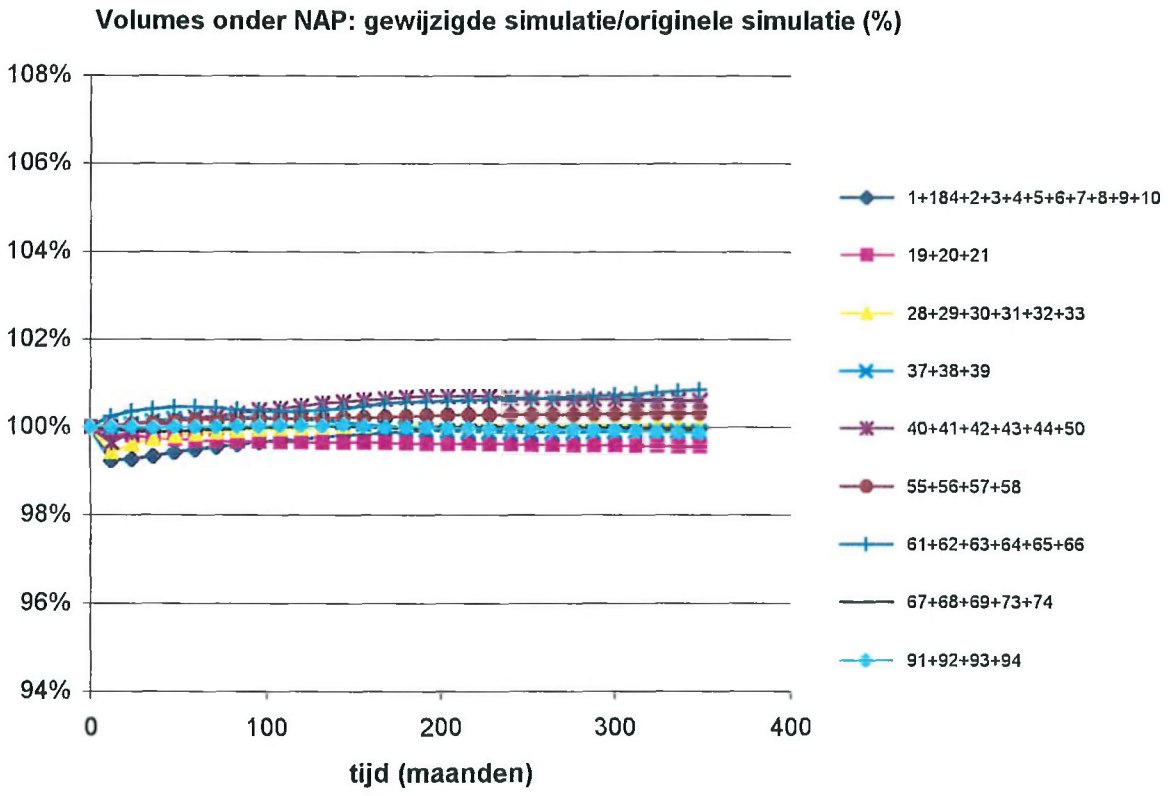
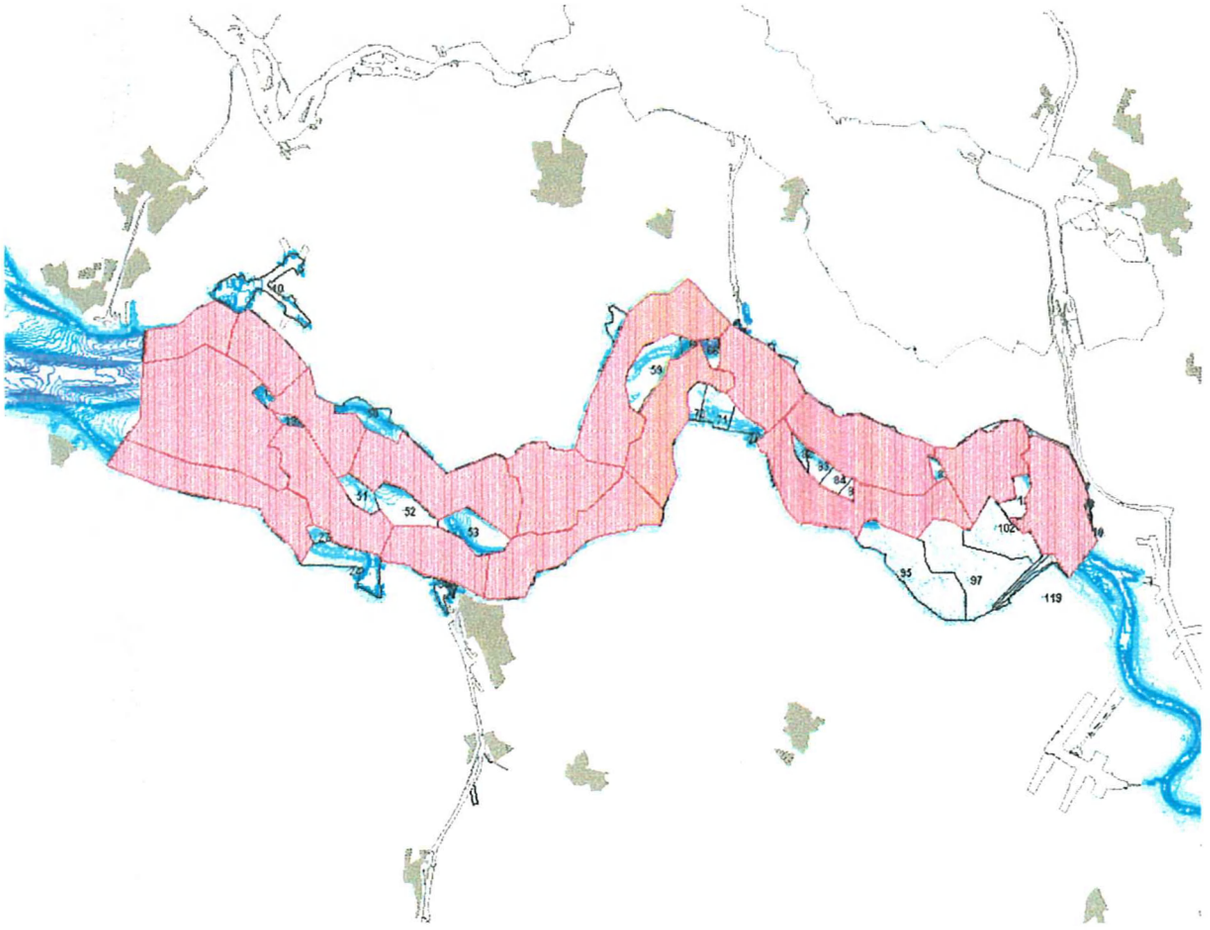

Volumes onder NAP: gewijzigde simulatie/originele simulatie (%)
108%
106%
104%
102%
100%
98%
96%
94%
0
100
200
300
400
tijd (maanden)
1+184+2+3+4+5+6+7+8+9+10
19+20+21
28+29+30+31+32+33
37+38+39
40+41+42+43+44+50
55+56+57+58
61+62+63+64+65+66
67+68+69+73+74
91+92+93+94

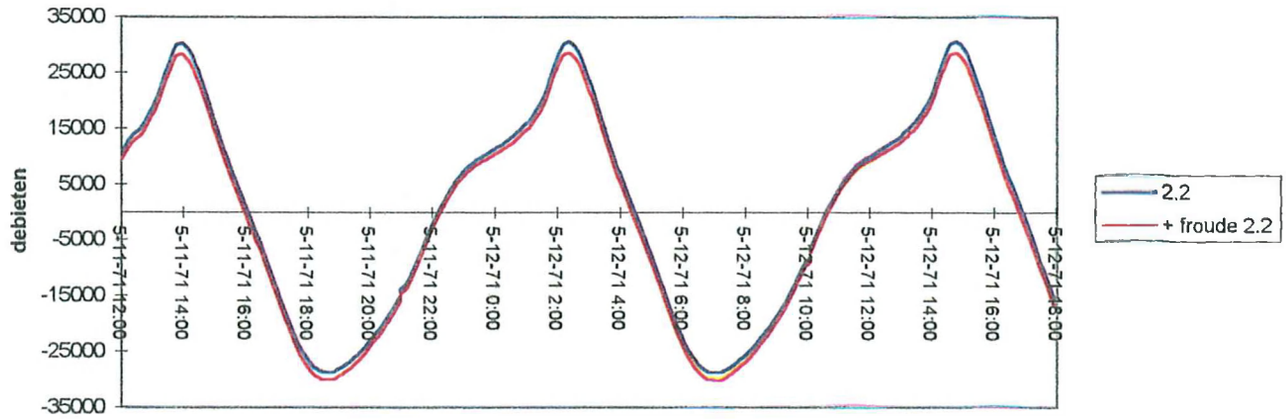
Fig 2.9

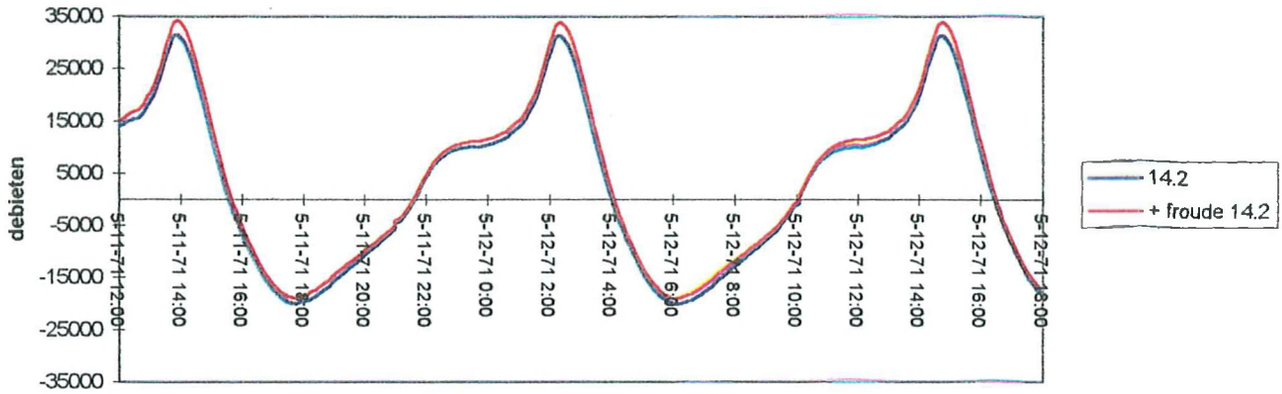


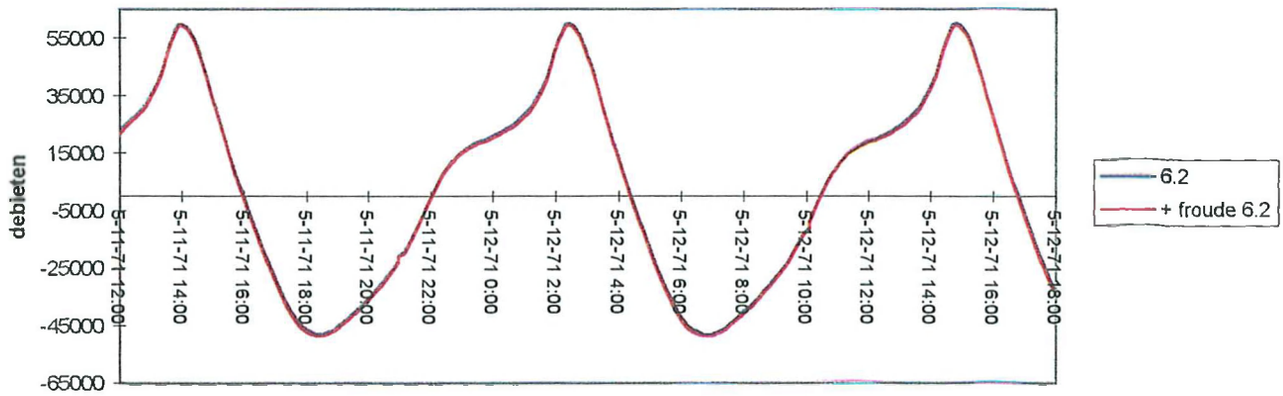
Gebiedsindeling voor de berekening van de Froude-term

DELFT HYDRAULICS

Fig. 3.1



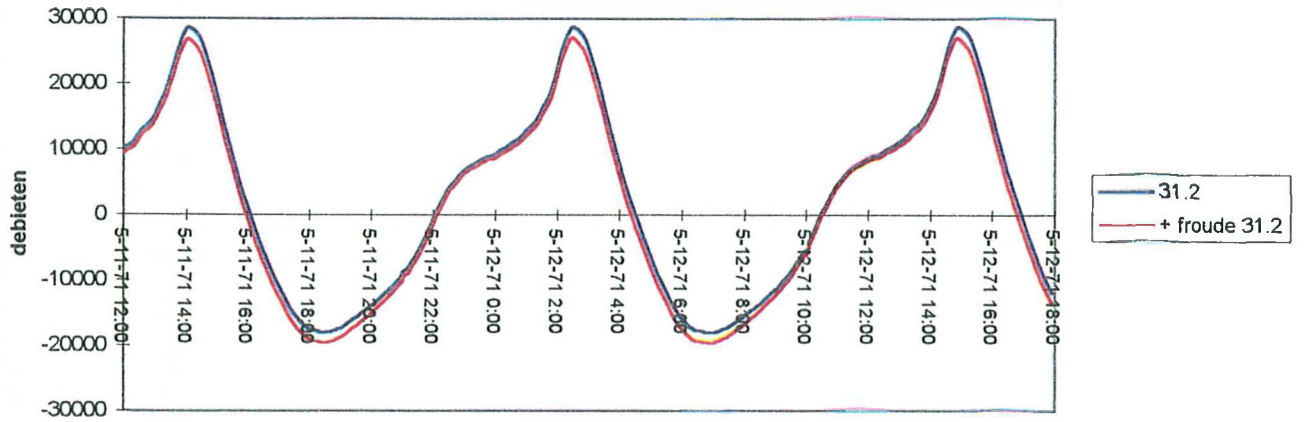


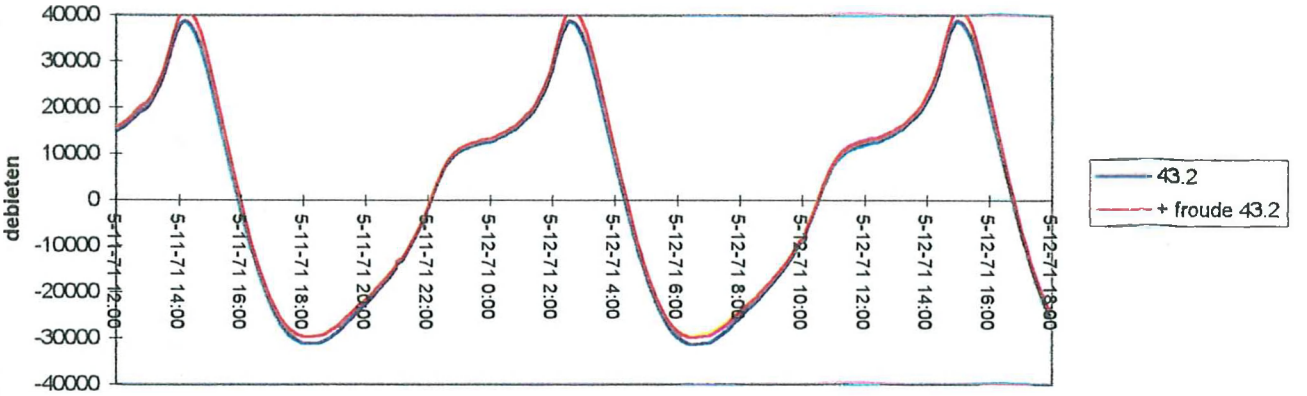


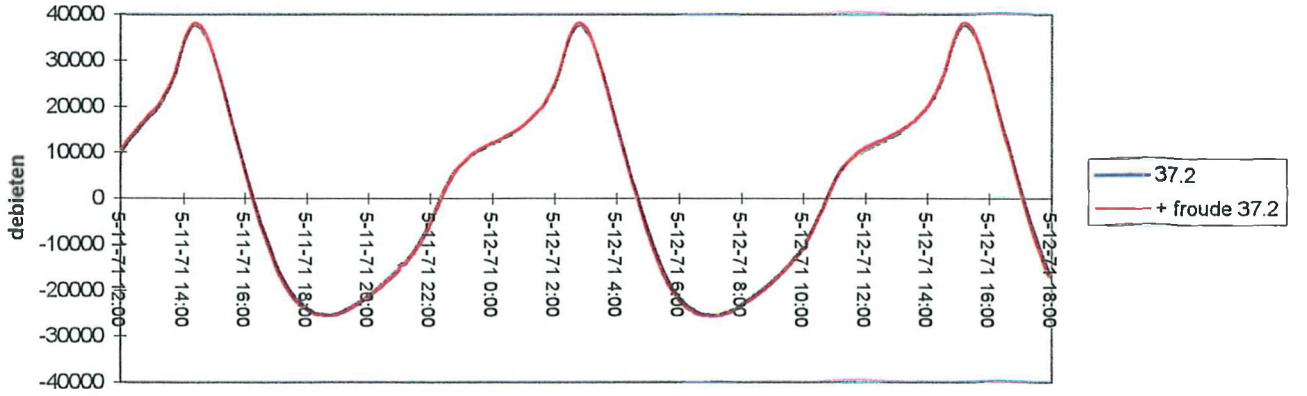
Berekeningen in diverse Implic vakken: zonder en met profielcorrectie t.b.v. de Froude-term

DELFT HYDRAULICS

Fig. 3.2a



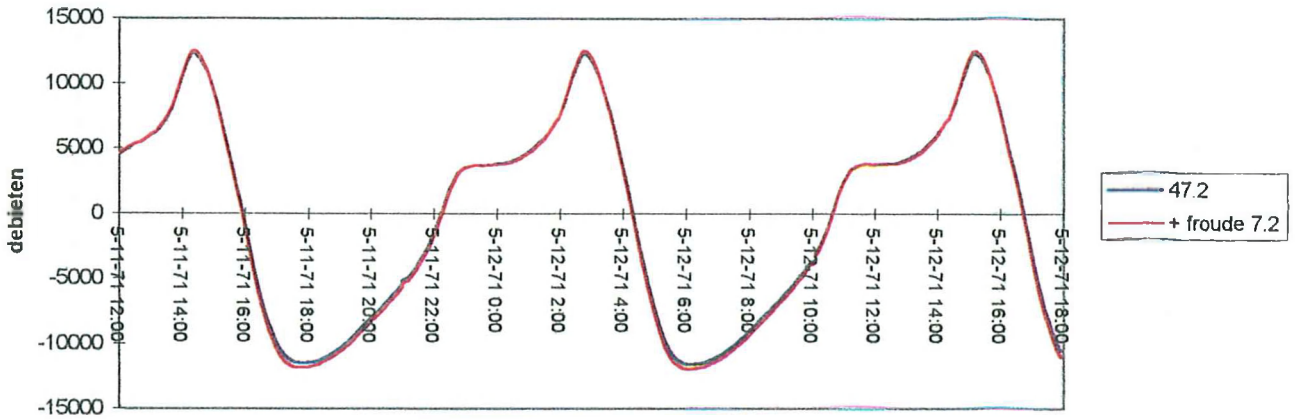


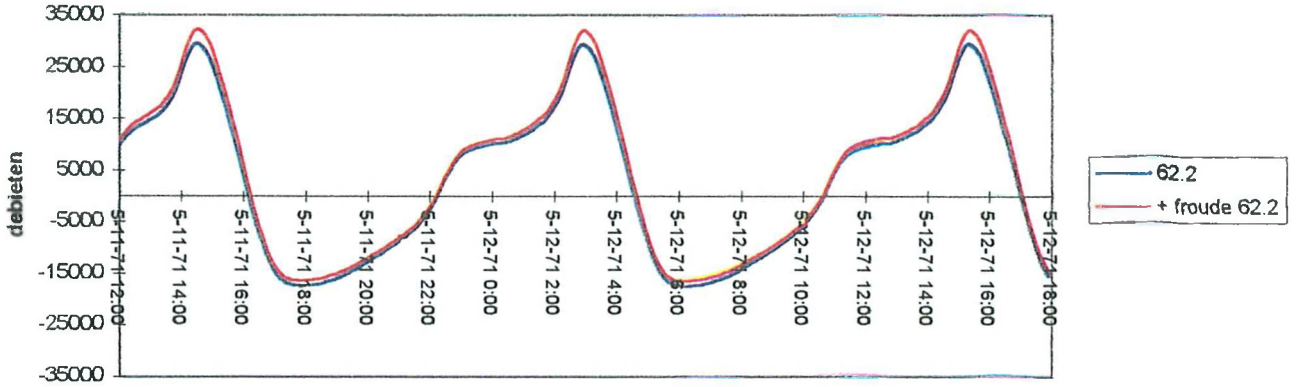


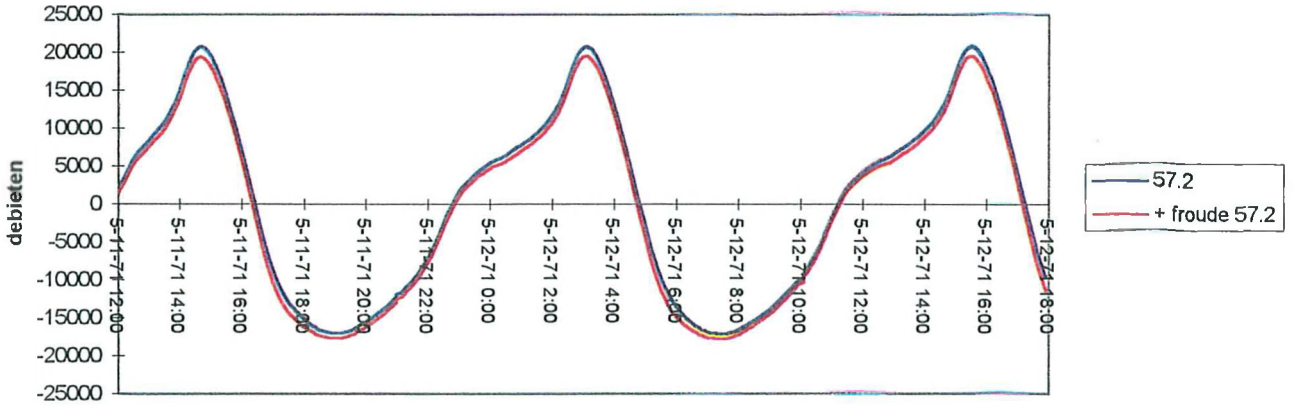
Berekeningen in diverse Implic vakken: zonder en met profielcorrectie t.b.v. de Froude-term

DELFT HYDRAULICS

Fig. 3.2b



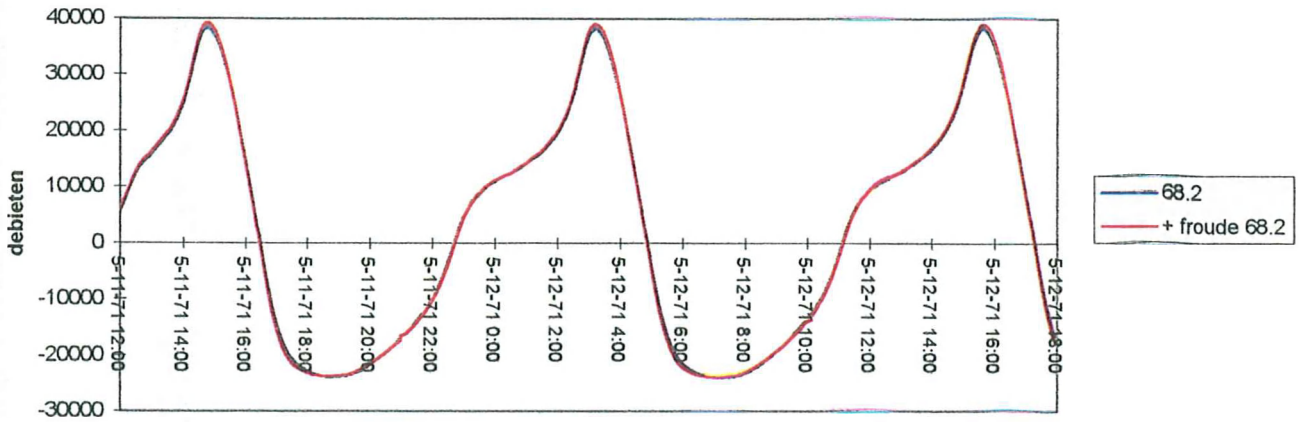


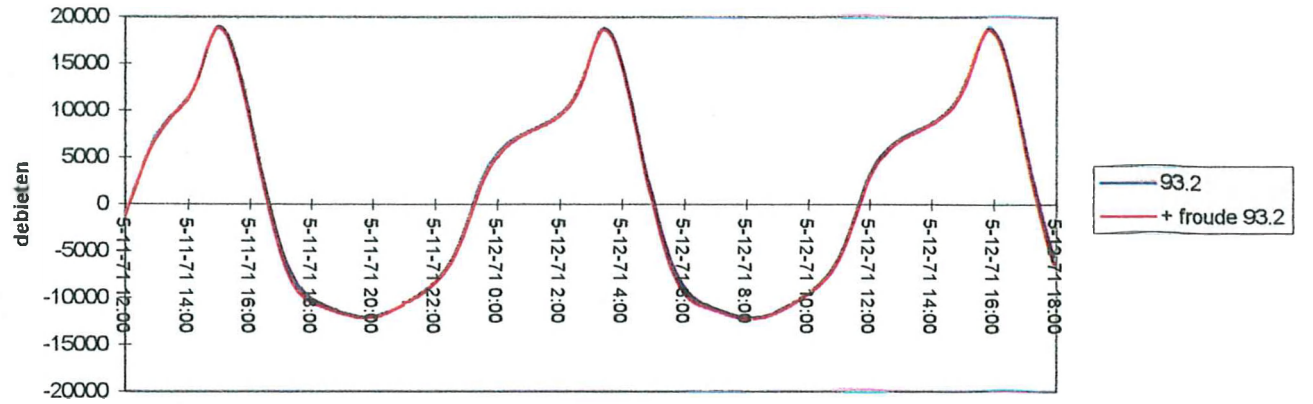


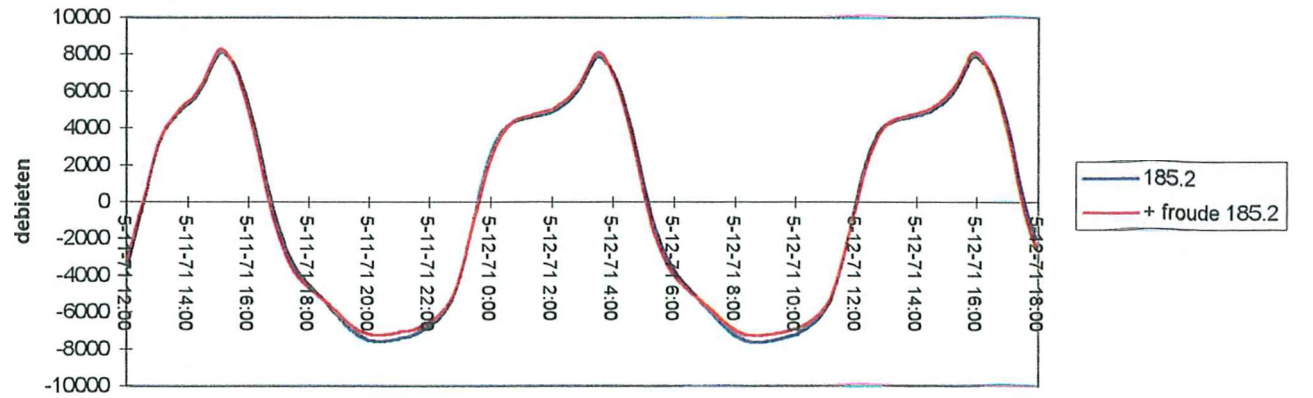
Berekeningen in diverse Implic vakken: zonder en met profielcorrectie t.b.v. de Froude-term

DELFT HYDRAULICS

Fig. 3.2c



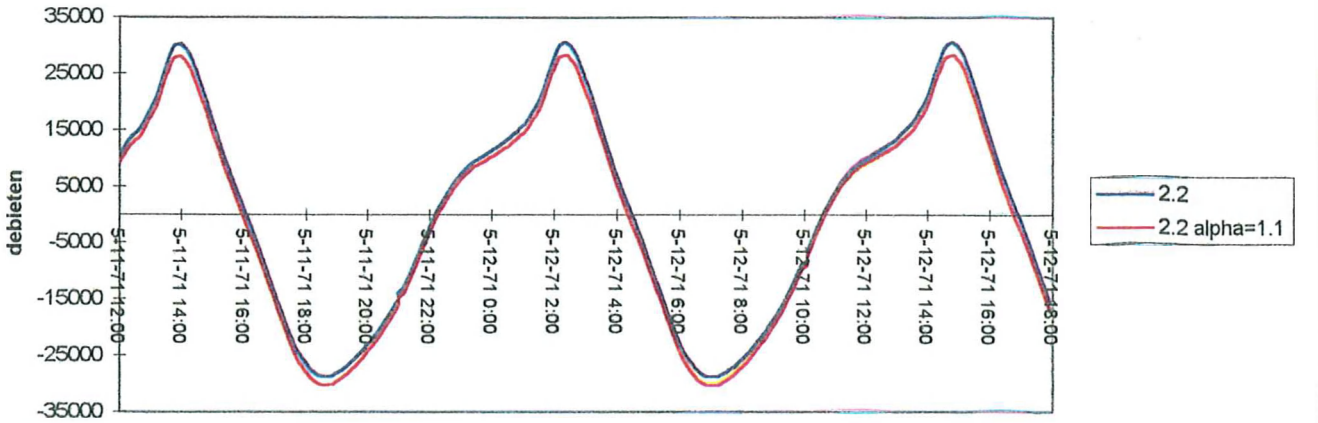


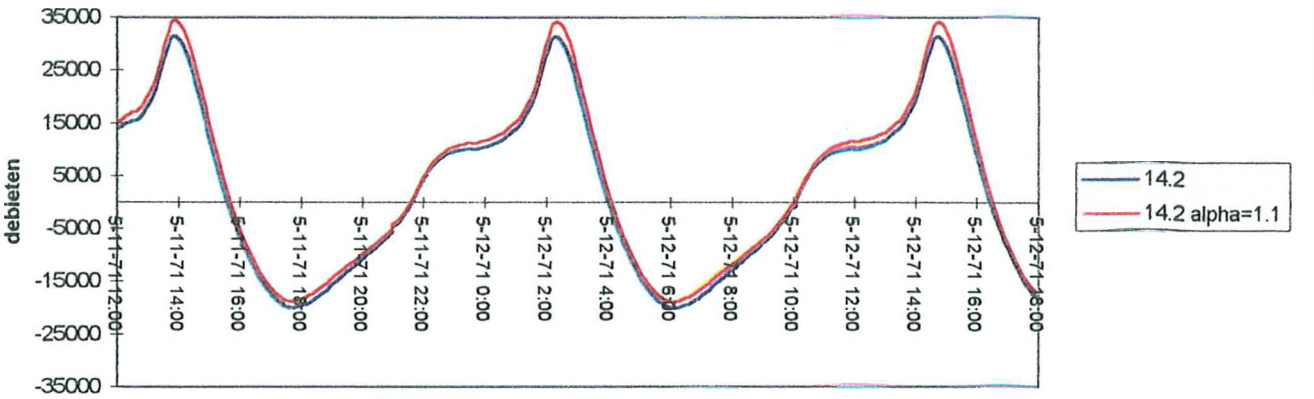


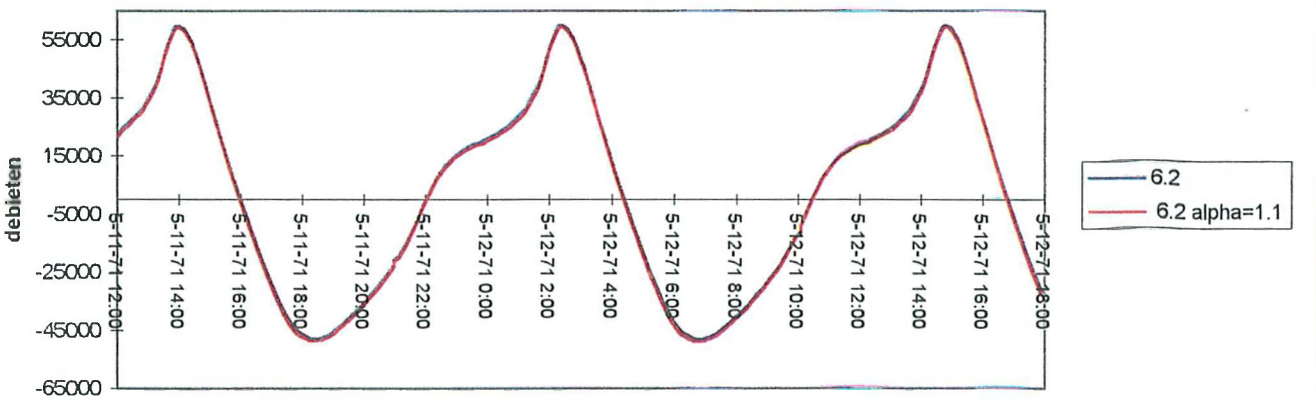
Berekeningen in diverse Implic vakken: zonder en met profielcorrectie t.b.v. de Froude-term

DELFT HYDRAULICS

Fig. 3.2d



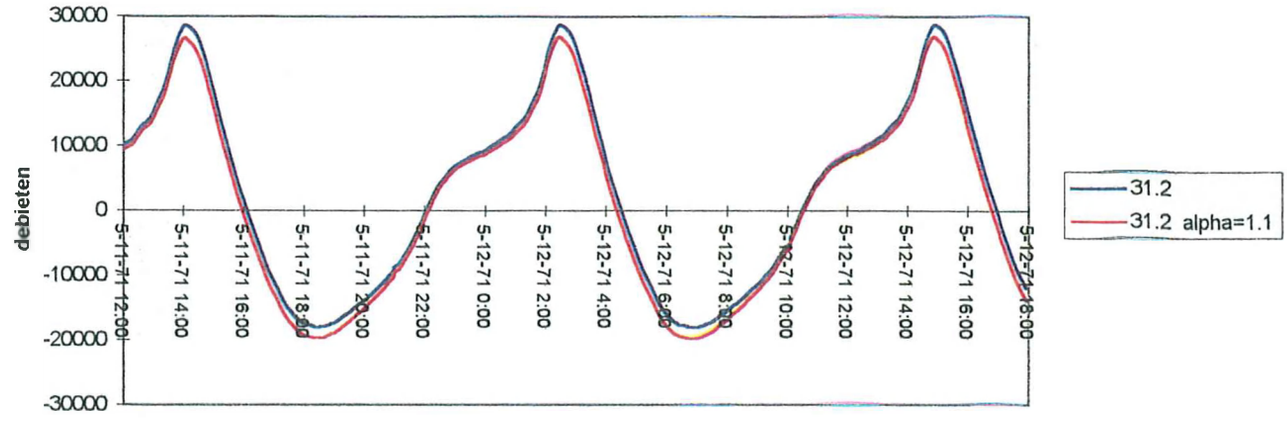


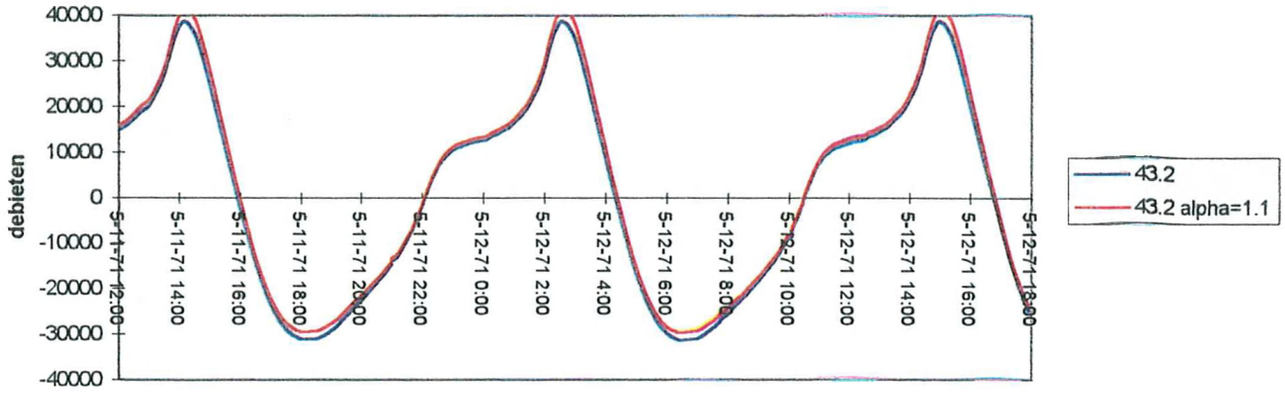


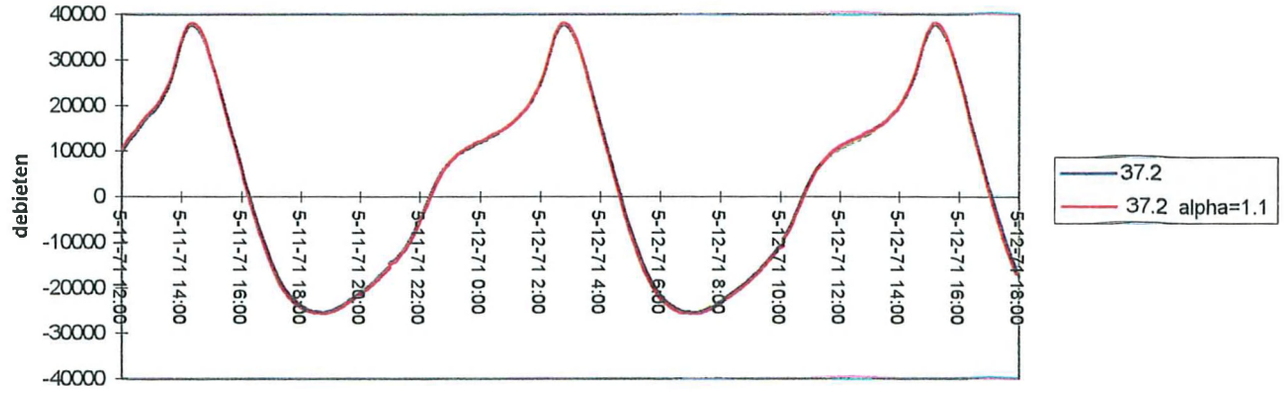
Berekeningen in diverse Implic vakken: zonder en met profielcorrectie t.b.v. de Froude-term, en correctie t.b.v. advectie-term

DELFT HYDRAULICS

Fig. 3.3a



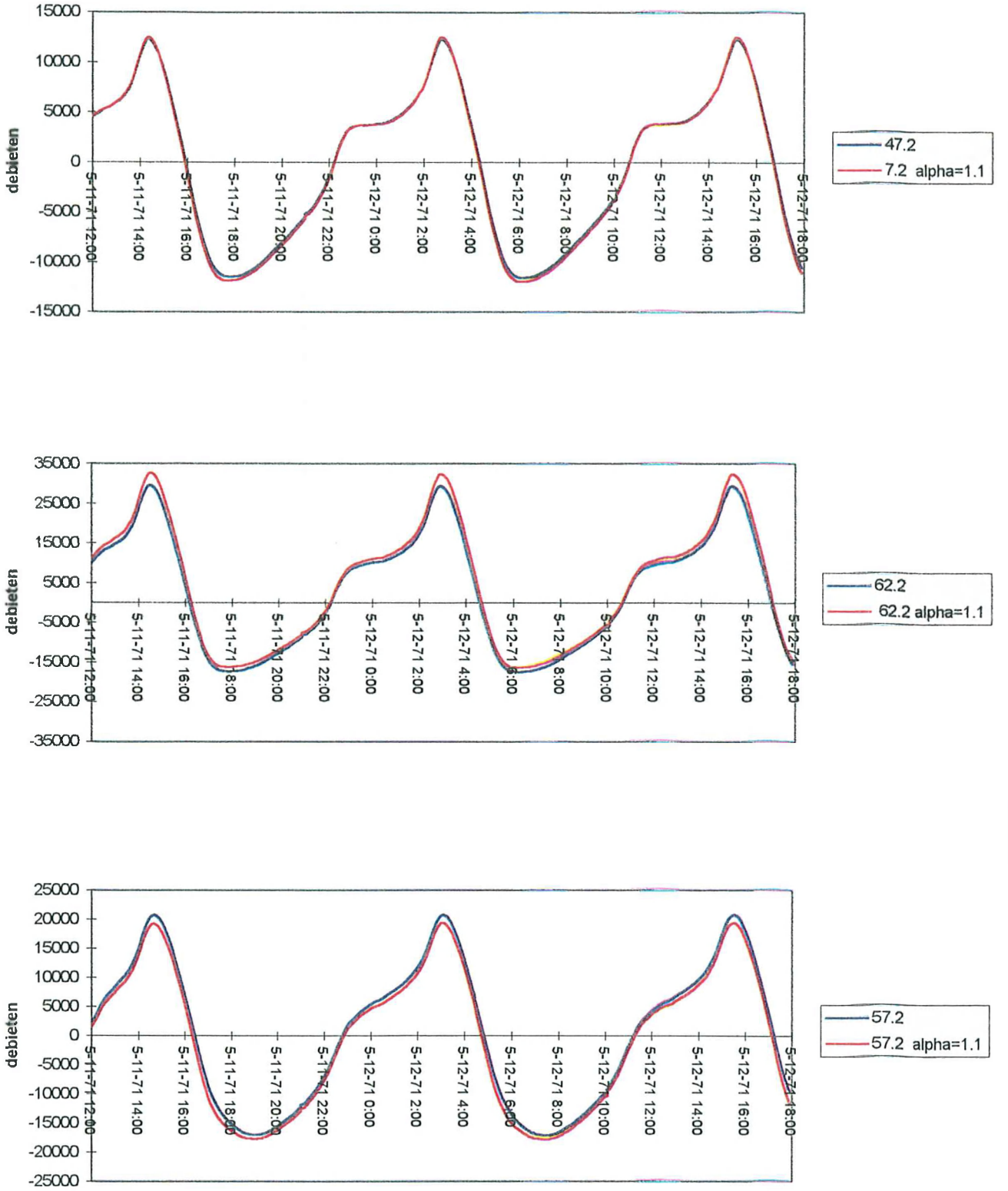




Berekeningen in diverse Implic vakken: zonder en met profielcorrectie t.b.v. de Froude-term, en correctie t.b.v. advectie-term

DELFT HYDRAULICS

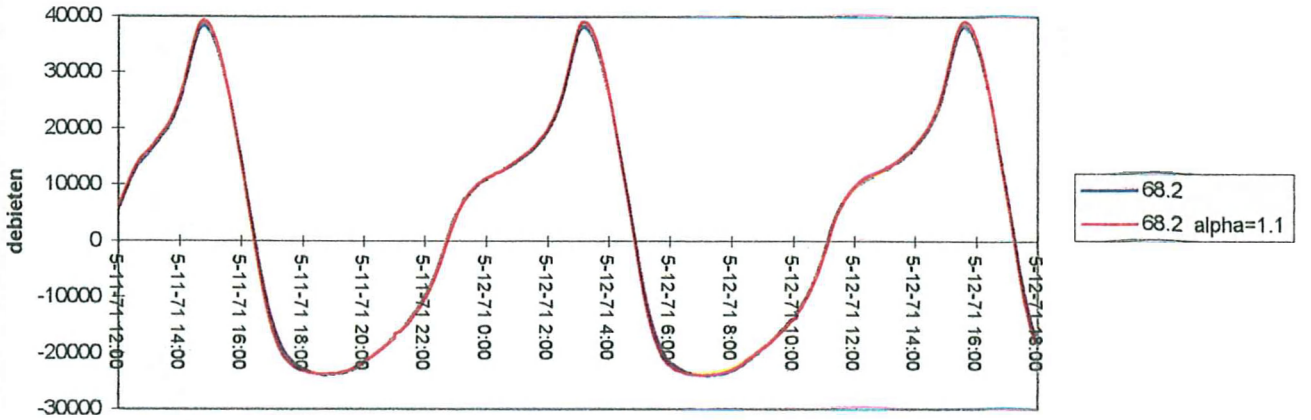
Fig. 3.3b

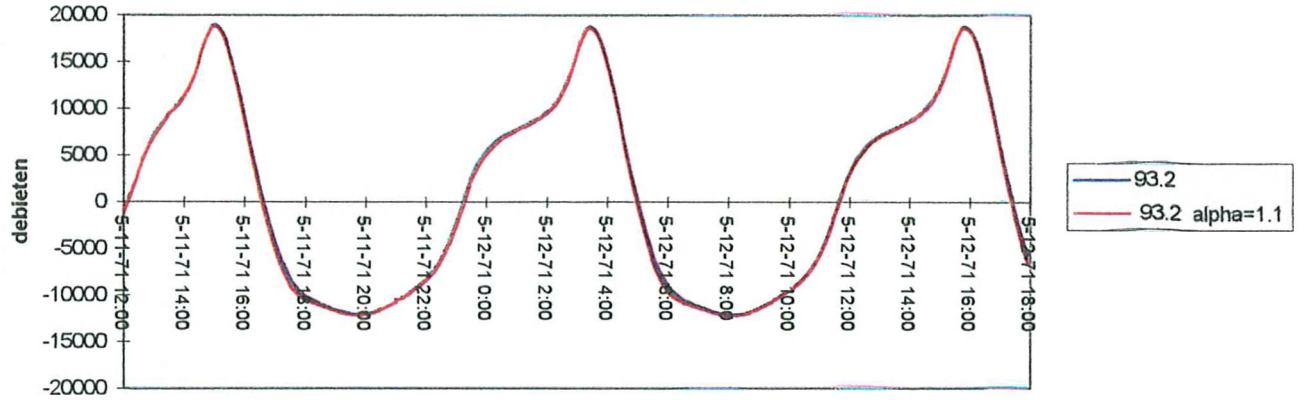


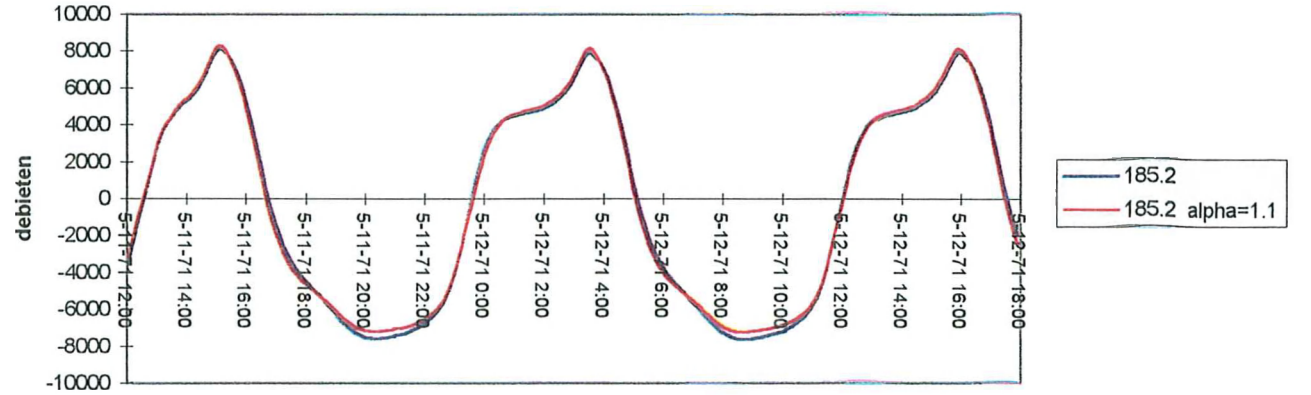
Berekeningen in diverse Implic vakken: zonder en met profielcorrectie t.b.v. de Froude-term, en correctie t.b.v. advectie-term

DELFT HYDRAULICS

Fig. 3.3c



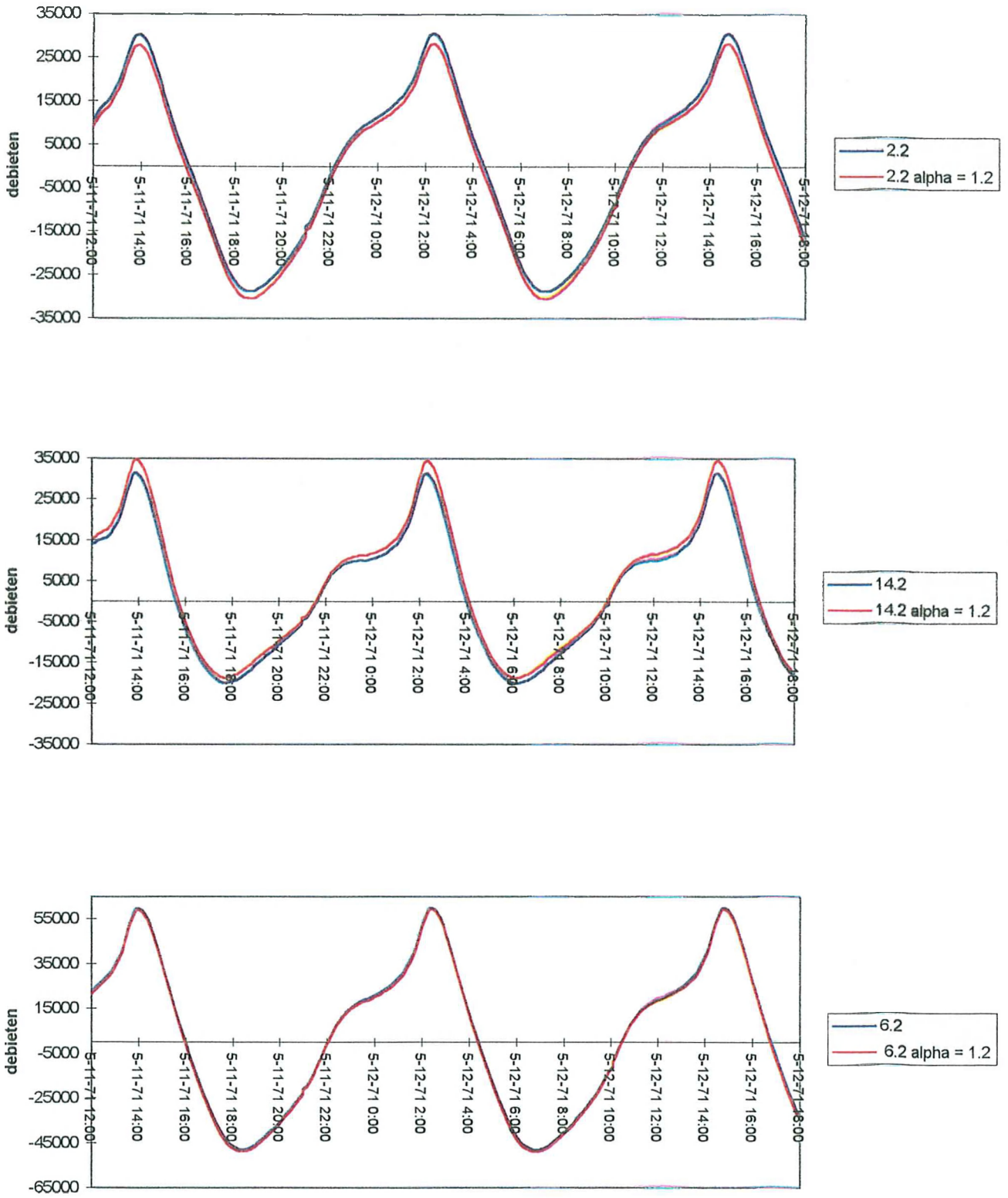




Berekeningen in diverse Implic vakken: zonder en met profielcorrectie t.b.v. de Froude-term, en correctie t.b.v. advectie-term

DELFT HYDRAULICS

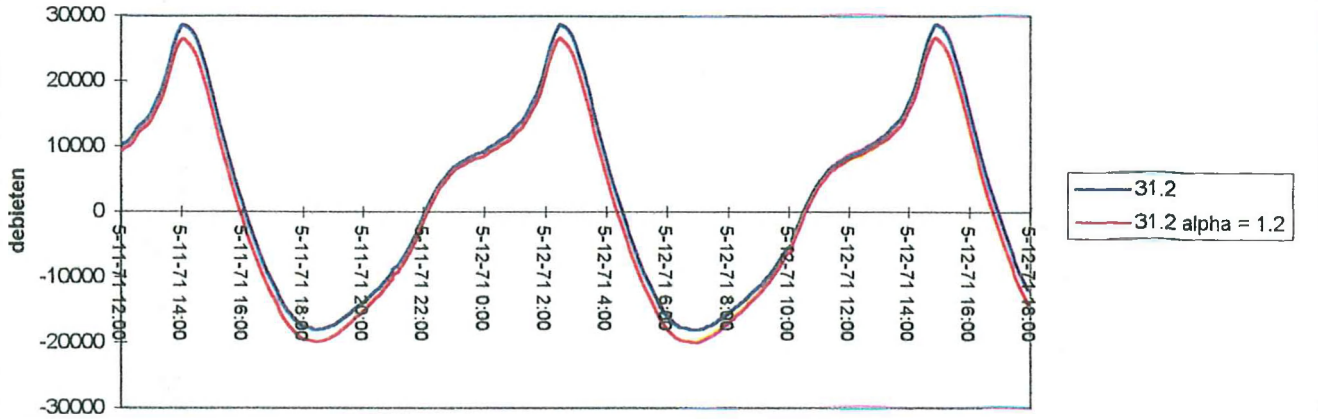
Fig. 3.3d

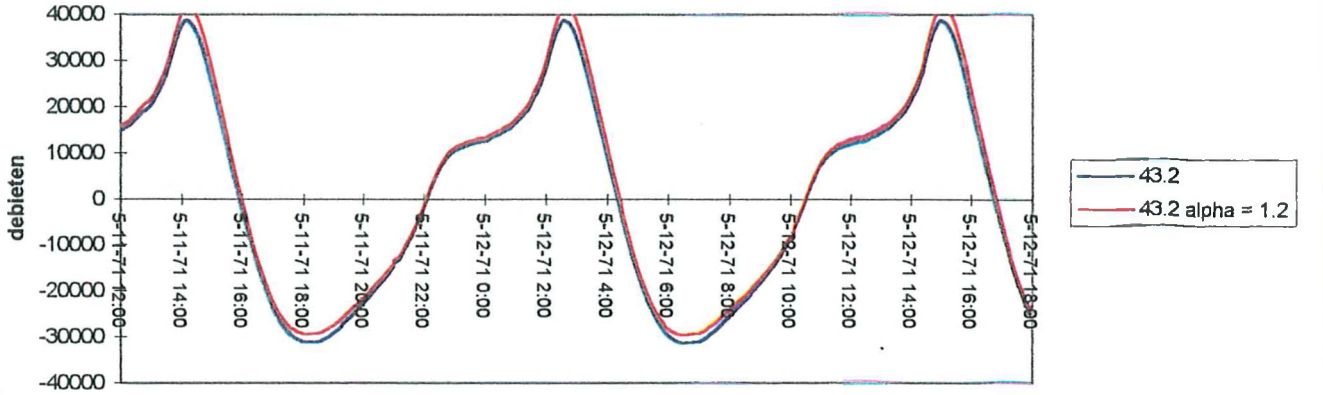


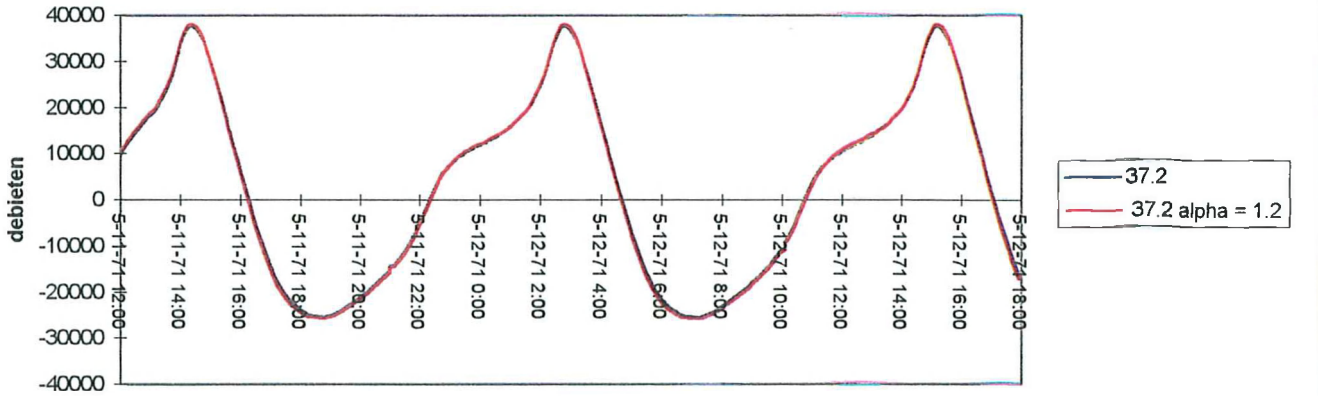
Berekeningen in diverse Implic vakken: zonder en met profielcorrectie t.b.v. de Froude-term, en correctie t.b.v. advectie-term

DELFT HYDRAULICS

Fig. 3.4a



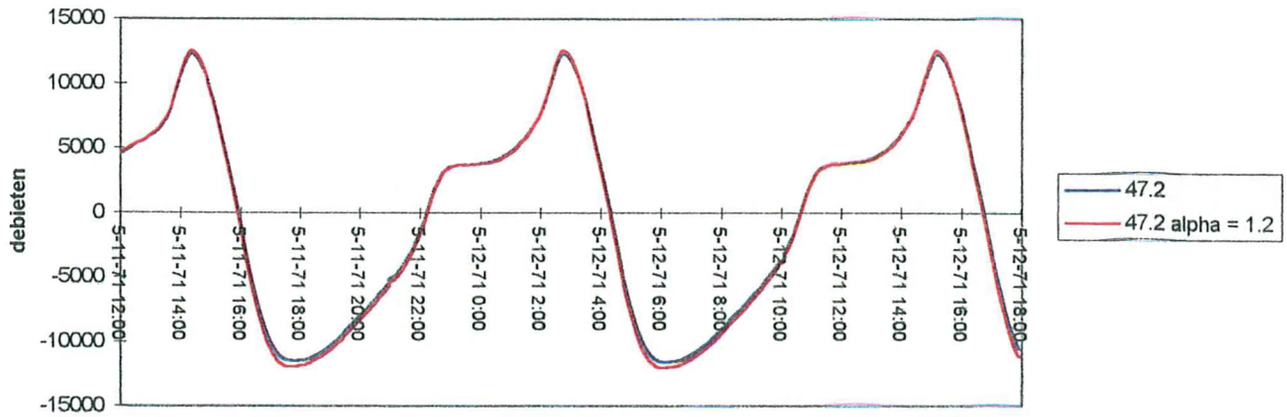


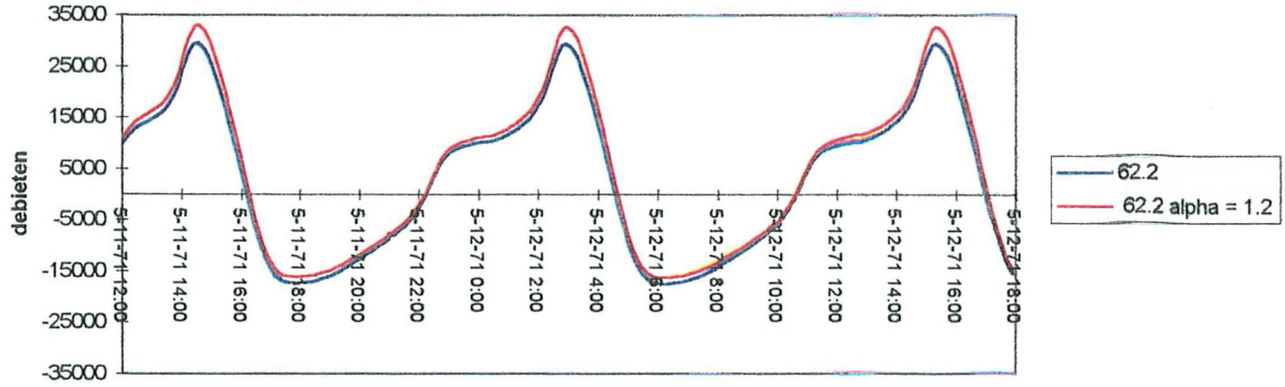


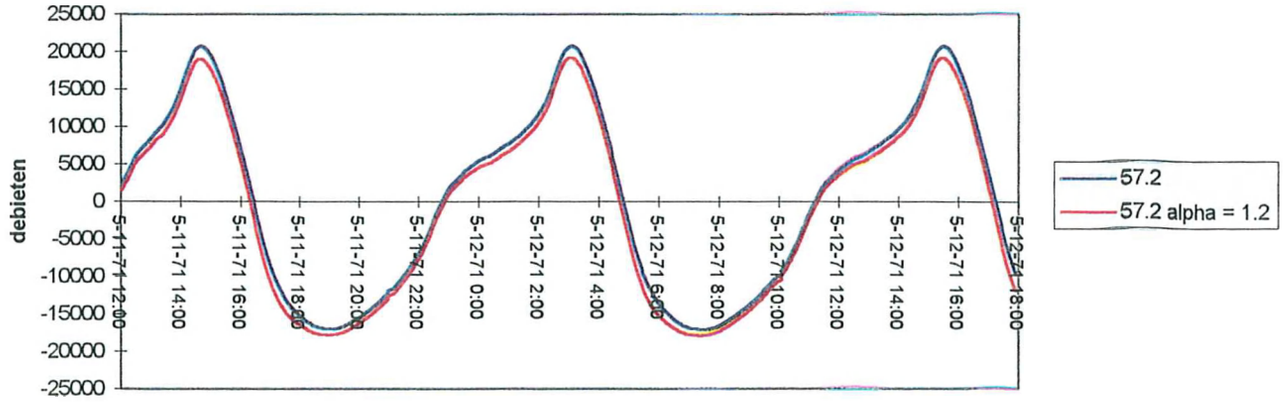
Berekeningen in diverse Implic vakken: zonder en met profielcorrectie t.b.v. de Froude-term, en correctie t.b.v. advectie-term

DELFT HYDRAULICS

Fig. 3.4b



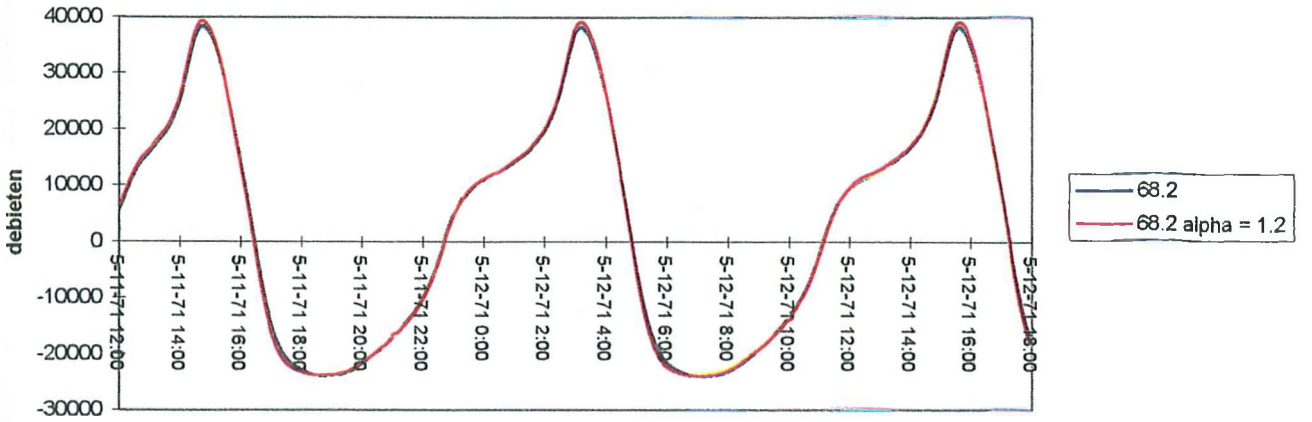


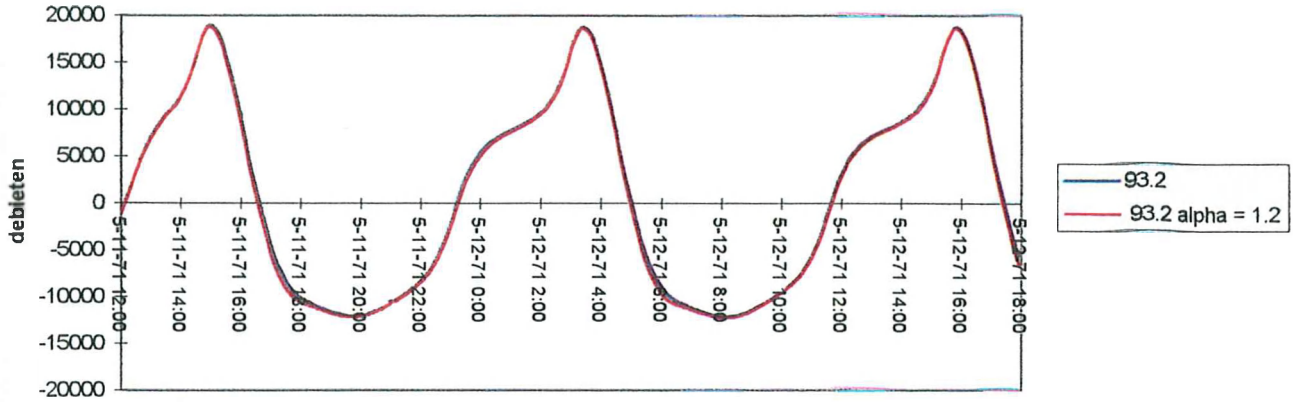


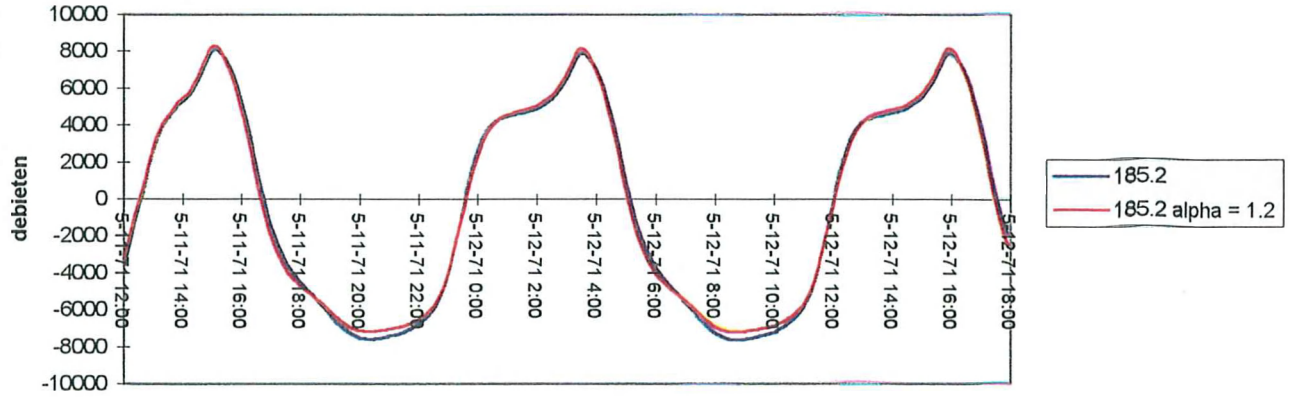
Berekeningen in diverse Implic vakken: zonder en met profielcorrectie t.b.v. de Froude-term, en correctie t.b.v. advectie-term

DELFT HYDRAULICS

Fig. 3.4c



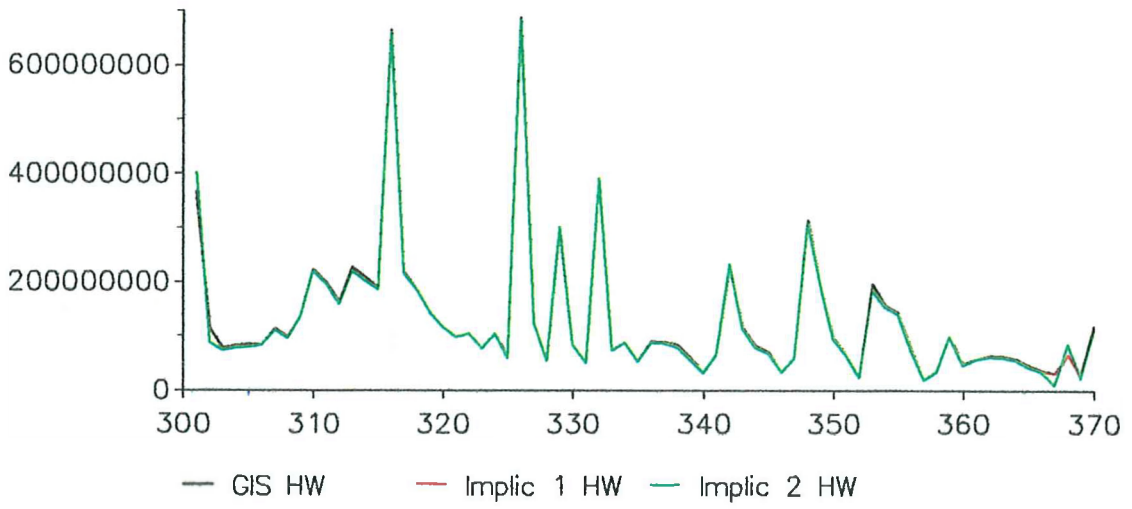


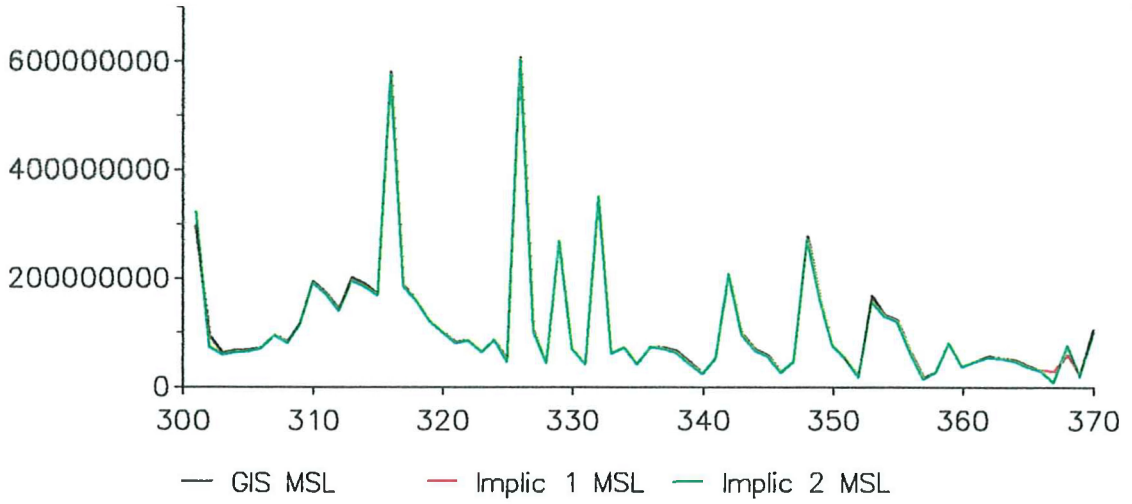


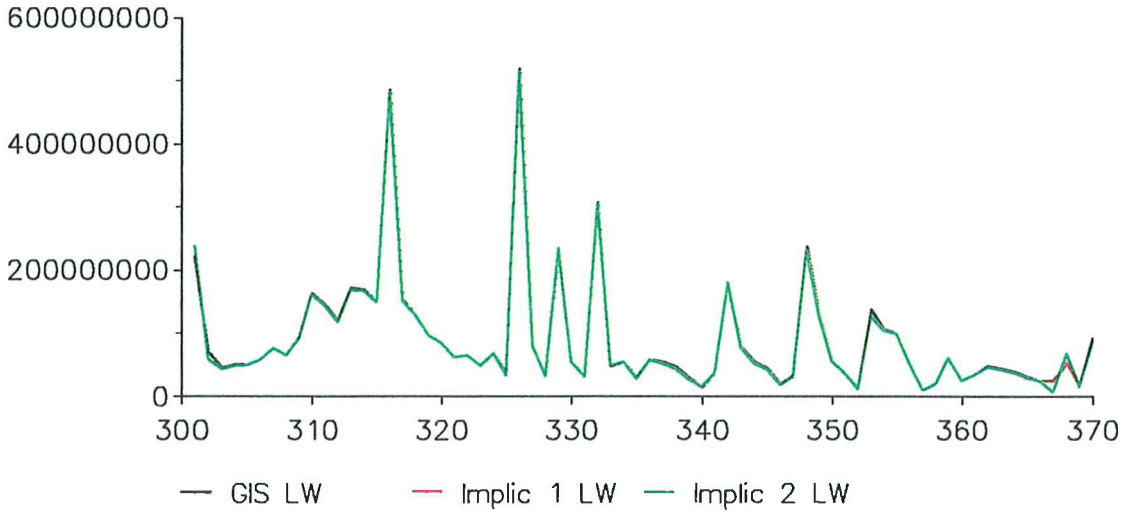
Berekeningen in diverse Implic vakken: zonder en met profielcorrectie t.b.v. de Froude-term, en correctie t.b.v. advectie-term

DELFT HYDRAULICS

Fig. 3.4d





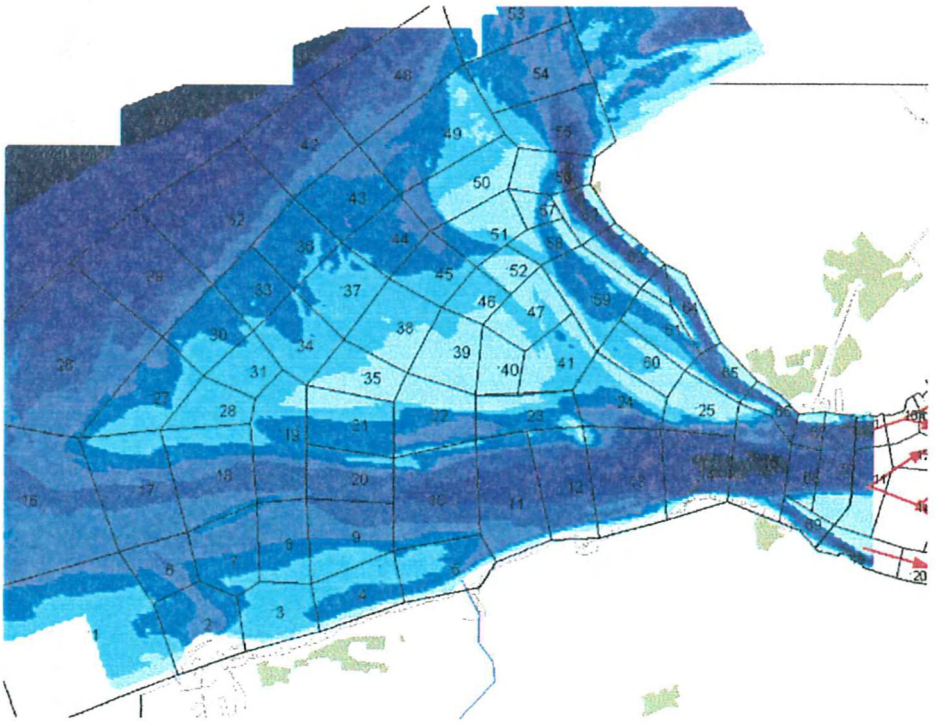


Vergelijking van vakvolumes onder 3 niveaus
van 2 Implic modellen en een GIS model
voor de monding van de Westerschelde

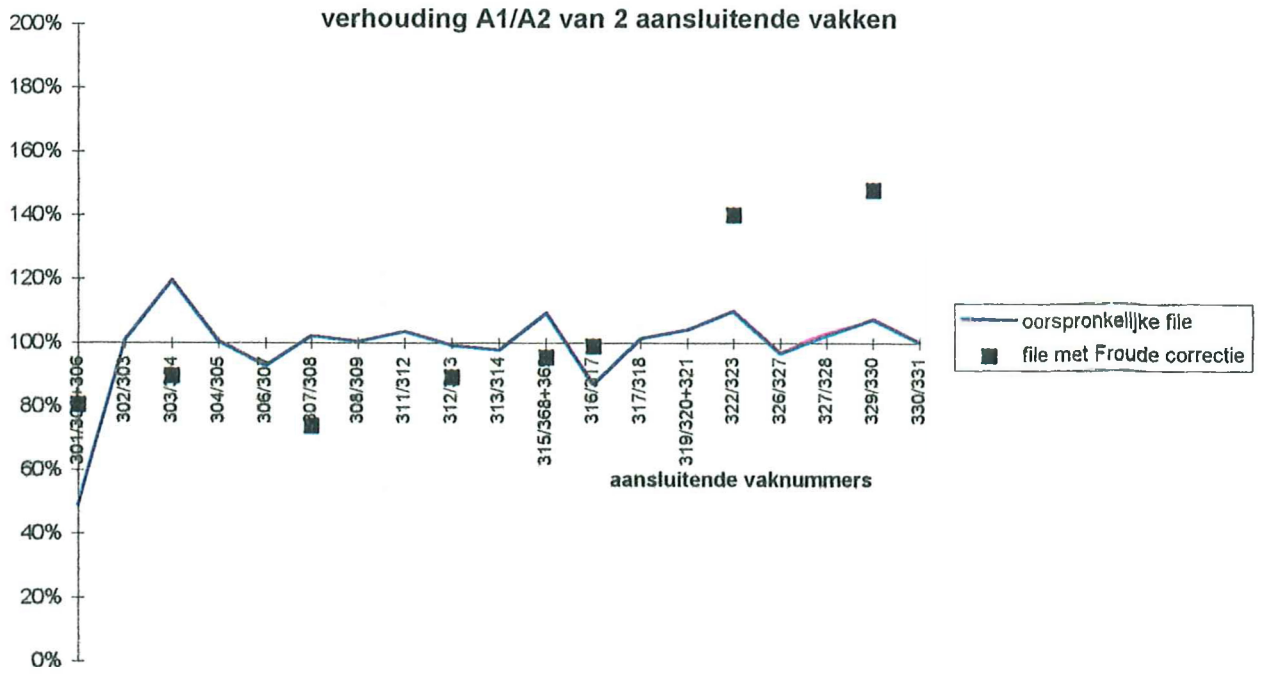
WL | DELFT HYDRAULICS

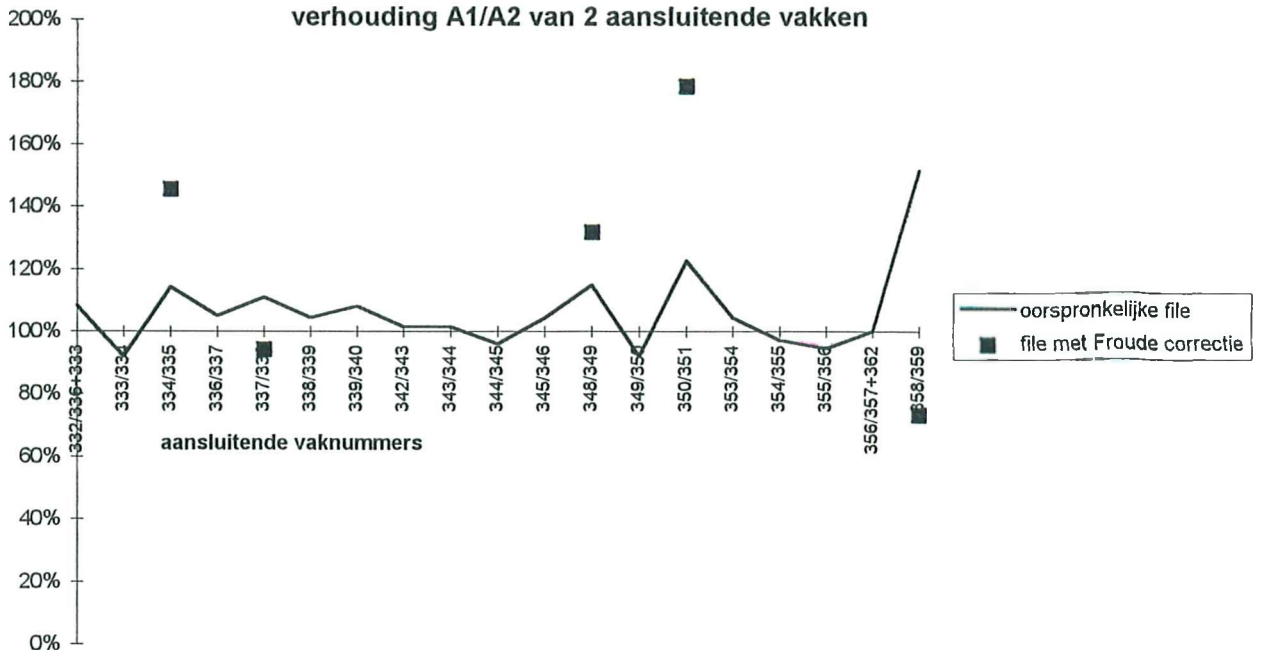
Proj Z2934

Fig 4.1



Figuur 4.2 Estmorf schematisatie van de monding en de bathymetry van 1968

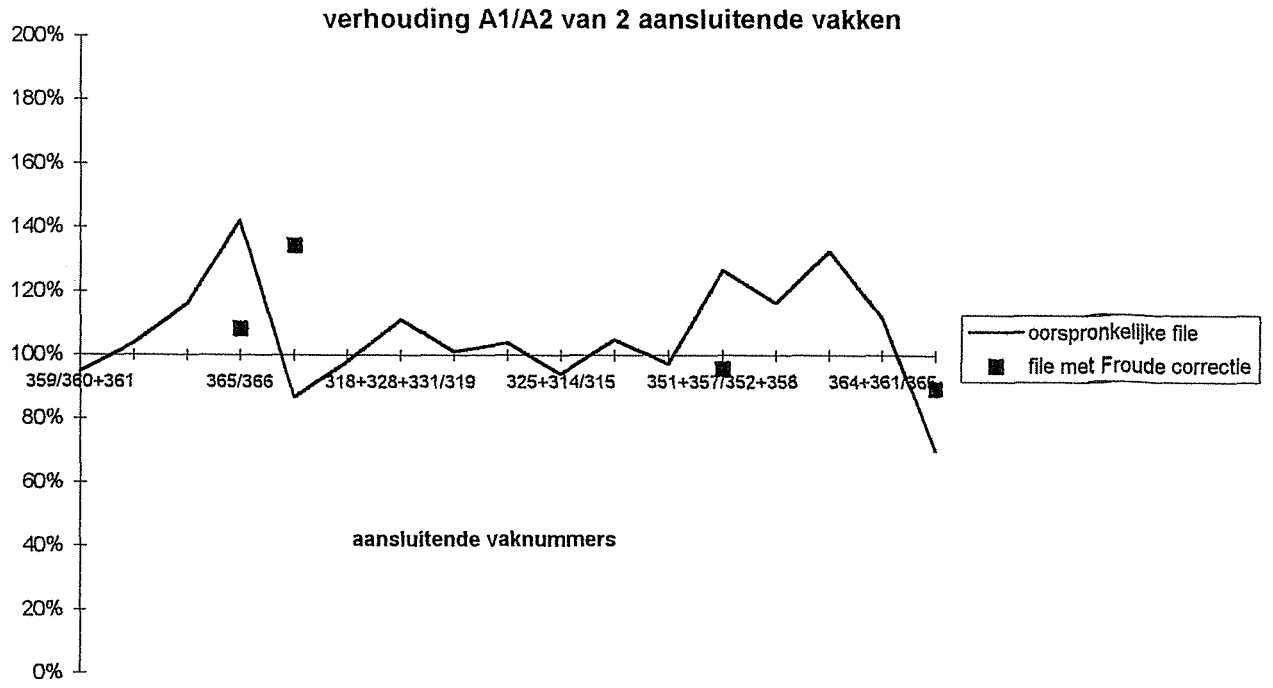




Verhouding doorstroomoppervlakken van begin (A1) en eind (A2) van 2 aansluitende vakken

DELFT HYDRAULICS

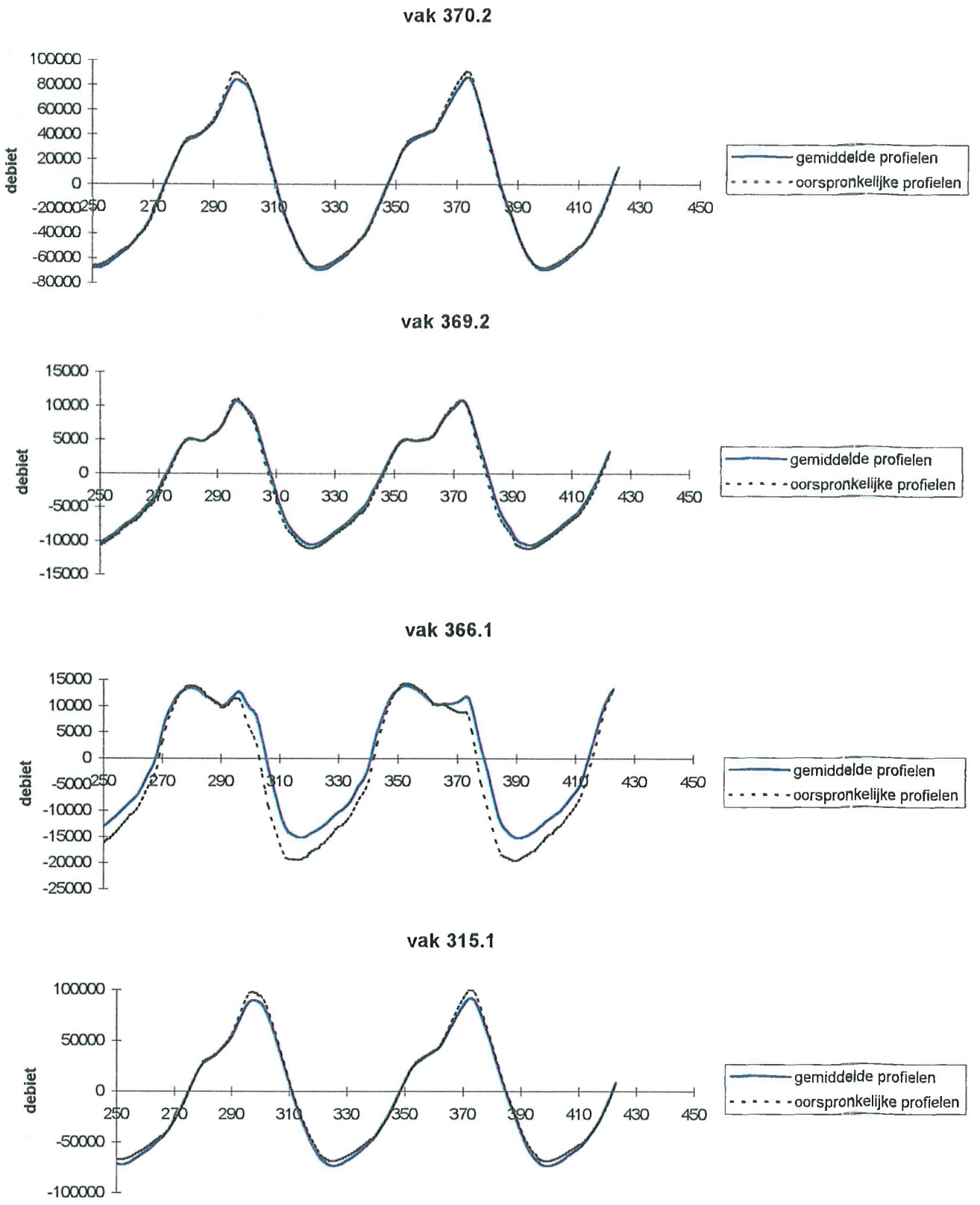
Fig. 4.3a



Verhouding doorstroomoppervlakken van begin (A1) en eind (A2) van 2 aansluitende vakken

DELFT HYDRAULICS

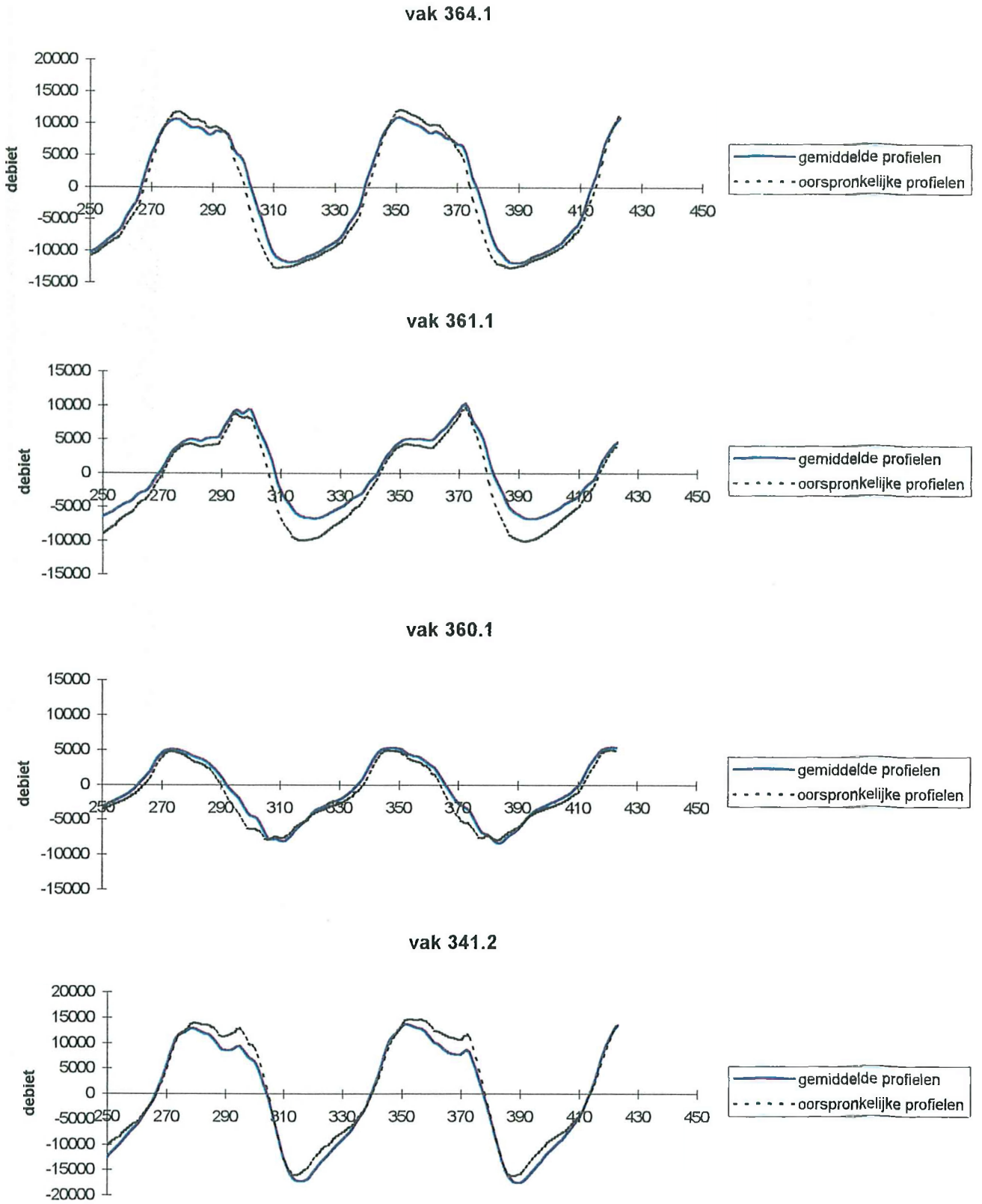
Fig. 4.3b



Resultaten van debiet berekeningen met vakgemiddelde profielen en met oorspronkelijke profielen

DELFT HYDRAULICS

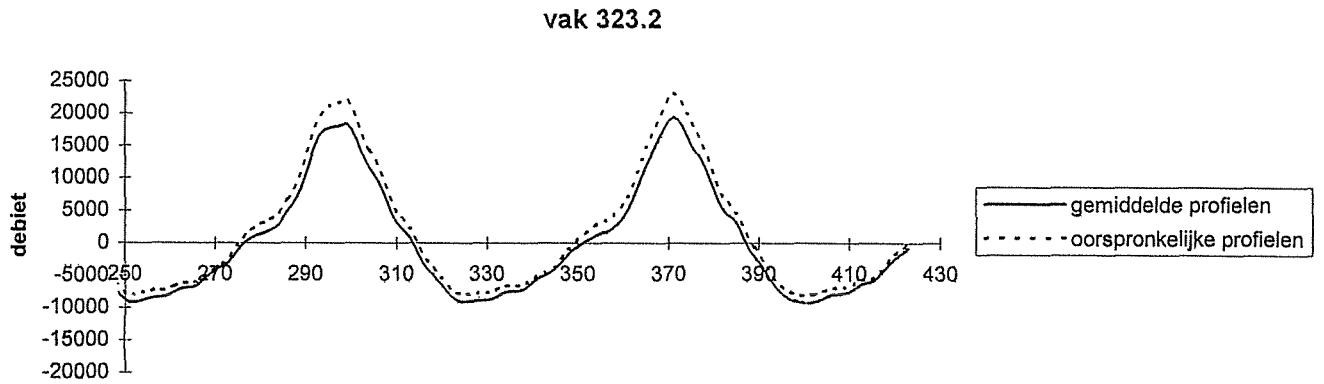
Fig. 4.4a

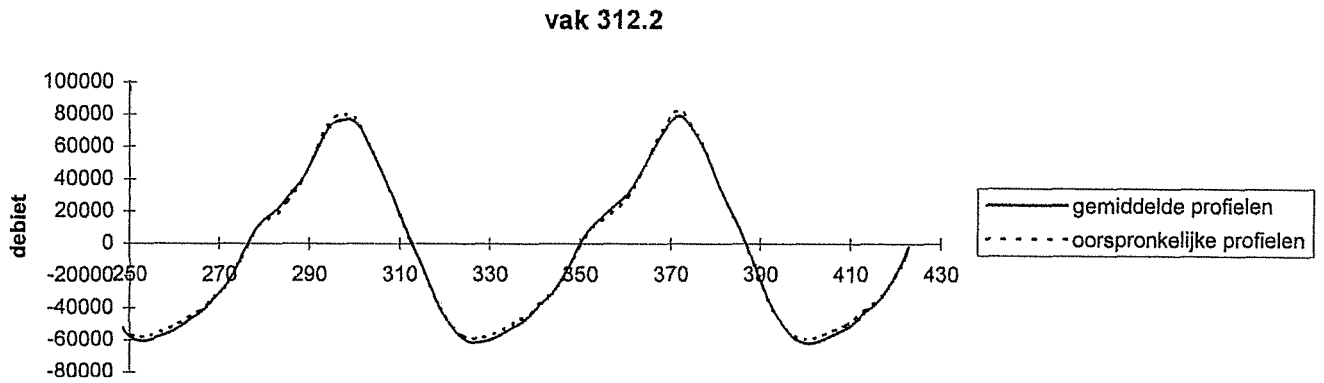


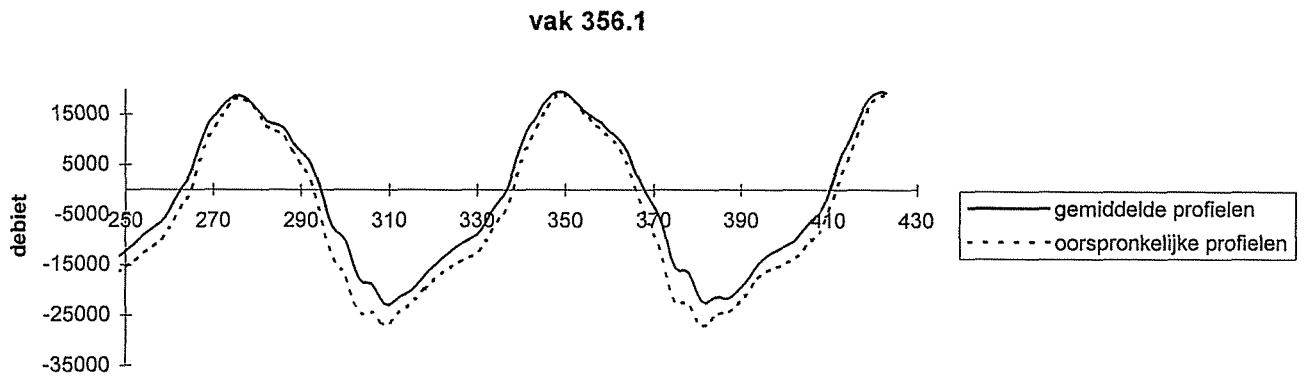
Resultaten van debiet berekeningen met vakgemiddelde profielen en met oorspronkelijke profielen

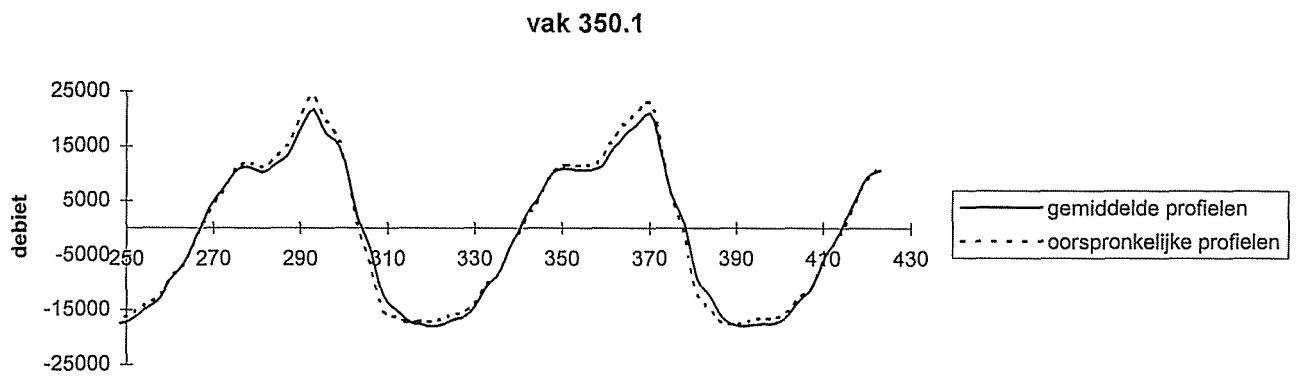
DELFT HYDRAULICS

Fig. 4.4b





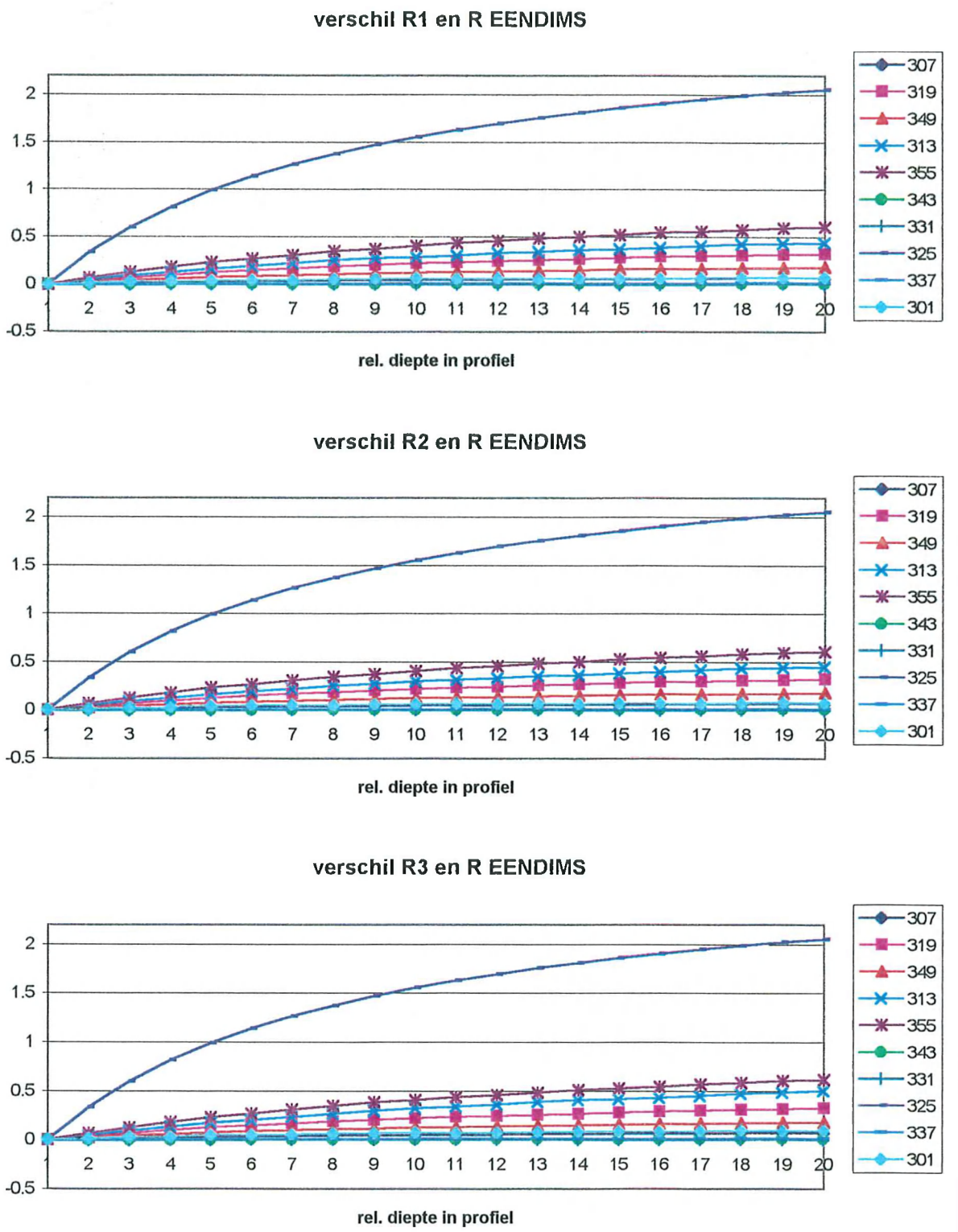




Resultaten van debiet berekeningen met vakgemiddelde profielen en met oorspronkelijke profielen

DELFT HYDRAULICS

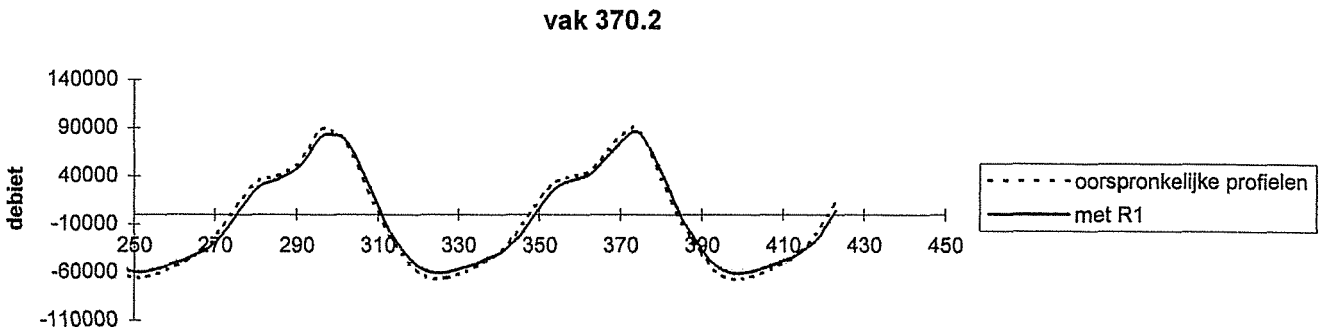
Fig. 4.4c

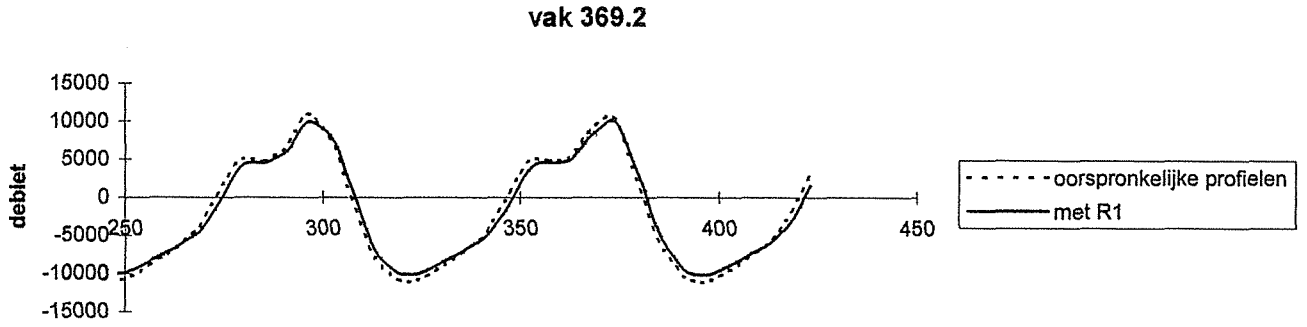


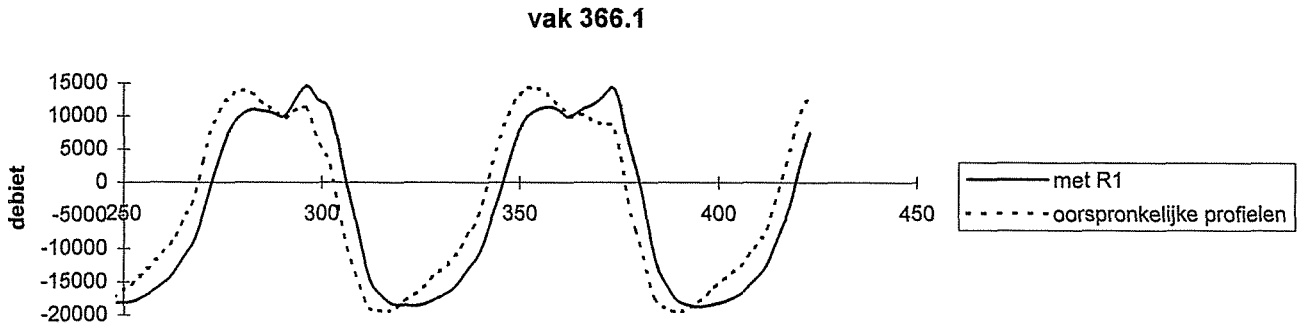
Verschil tussen hydraulische straal uit de EENDIMS schematisatie en hydraulische straal berekend met formules voor R1, R2 en R3.

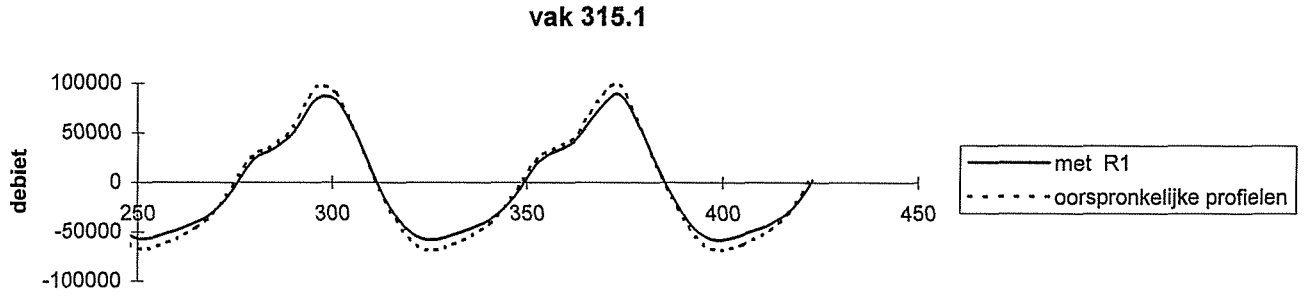
DELFT HYDRAULICS

Fig. 4.5





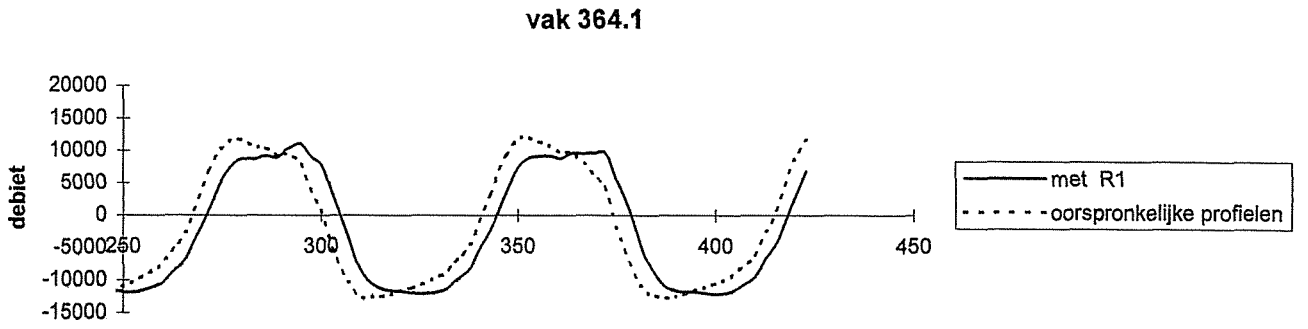


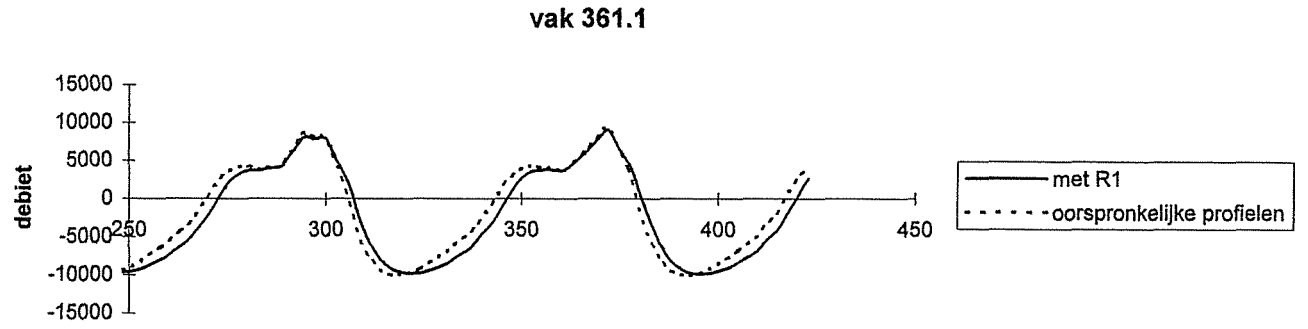


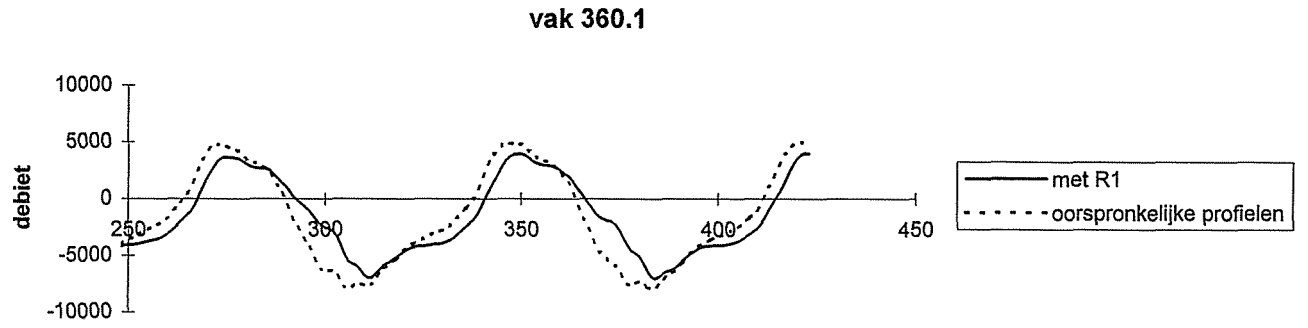
Resultaten van debiet berekeningen met gewijzigde hydraulische straal en met oorspronkelijke profielen

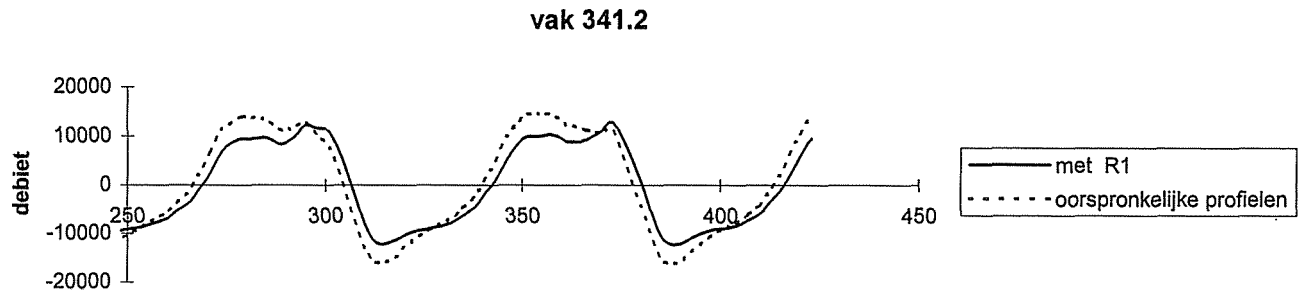
DELFT HYDRAULICS

Fig. 4.6a





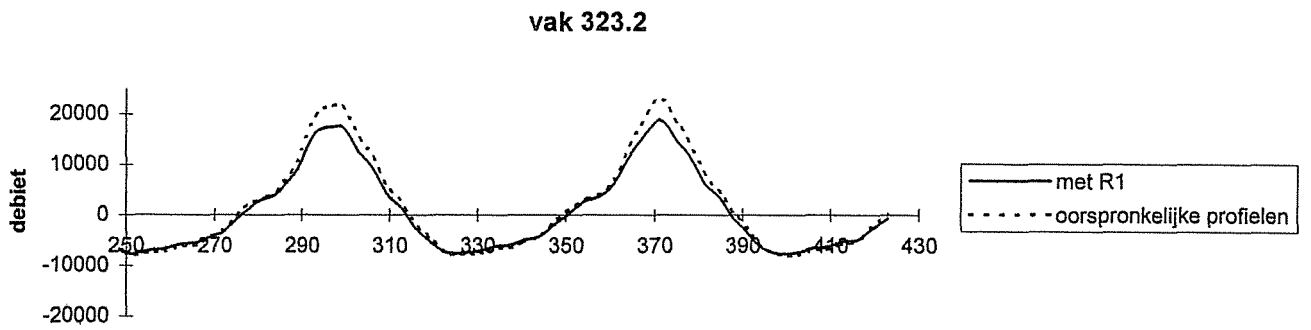


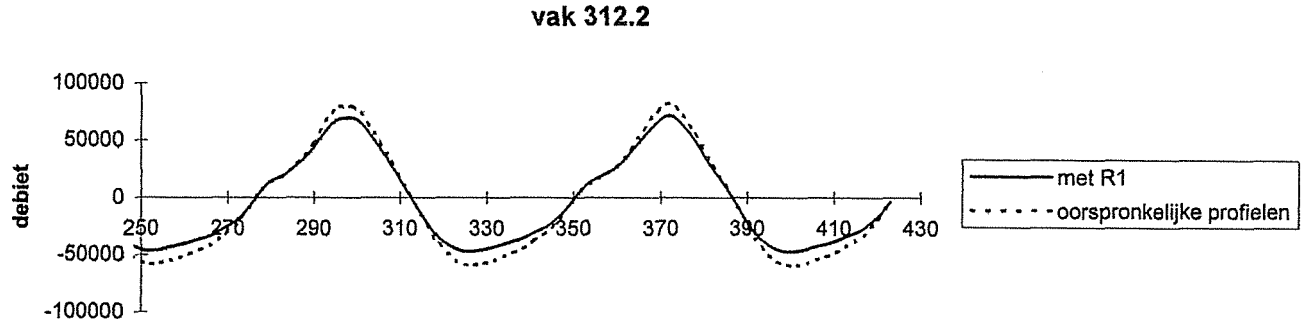


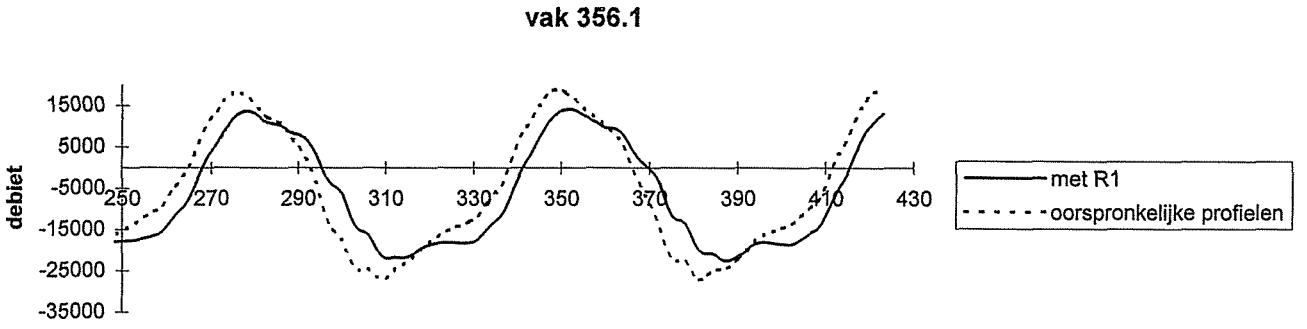
Resultaten van debiet berekeningen met gewijzigde hydraulische straal en met oorspronkelijke profielen

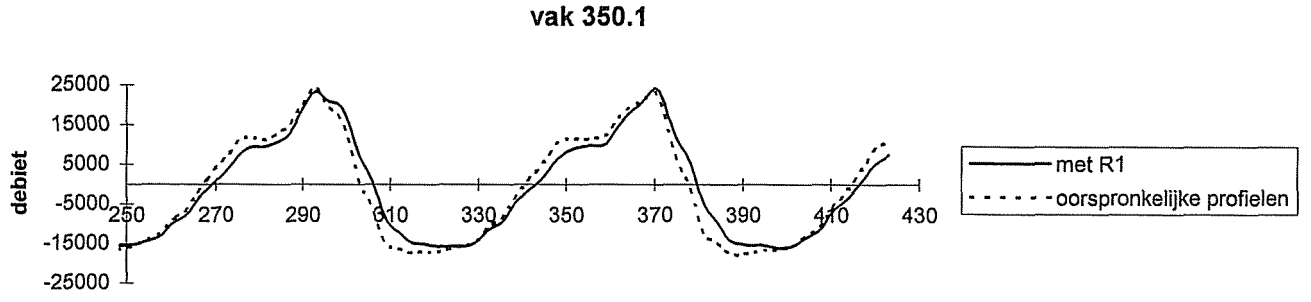
DELFT HYDRAULICS

Fig. 4.6b





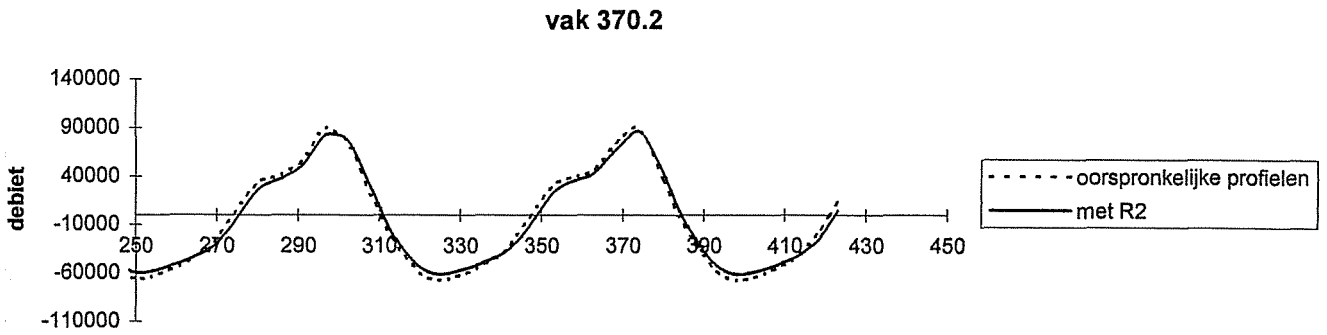


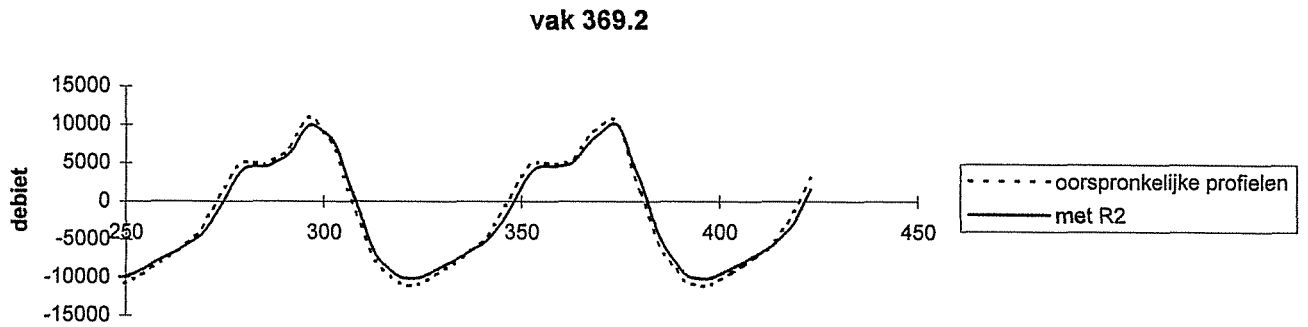


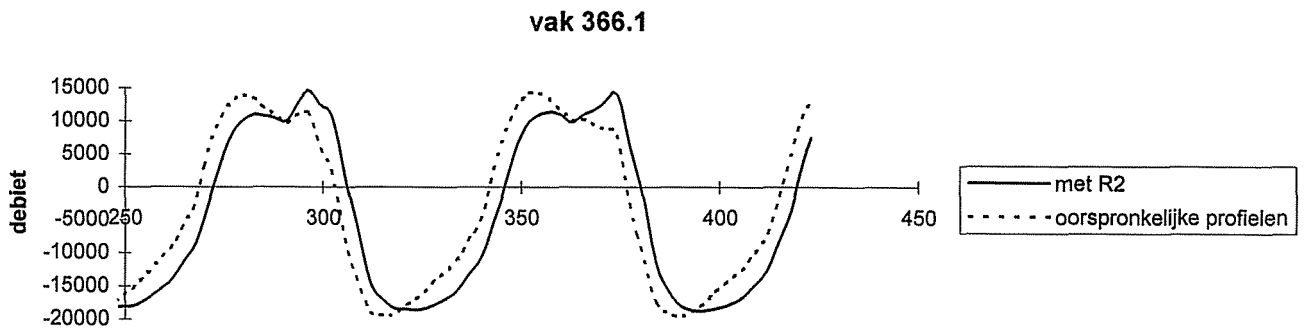
Resultaten van debiet berekeningen met gewijzigde hydraulische straal en met oorspronkelijke profielen

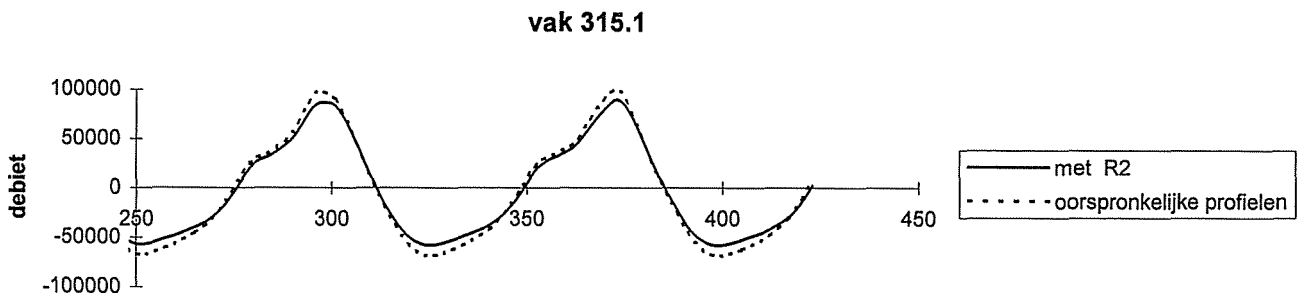
DELFT HYDRAULICS

Fig. 4.6c





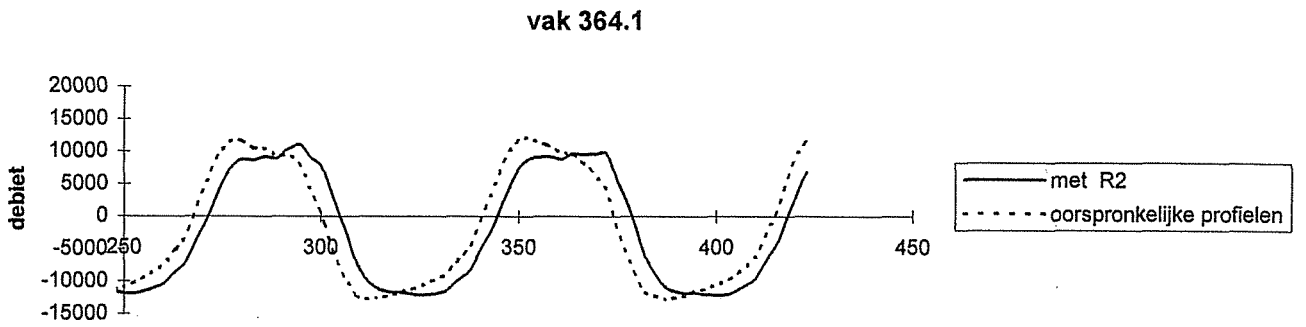


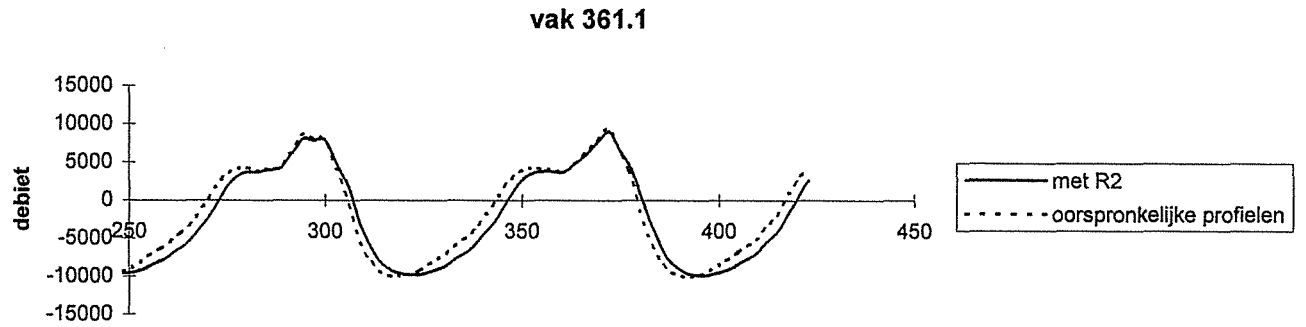


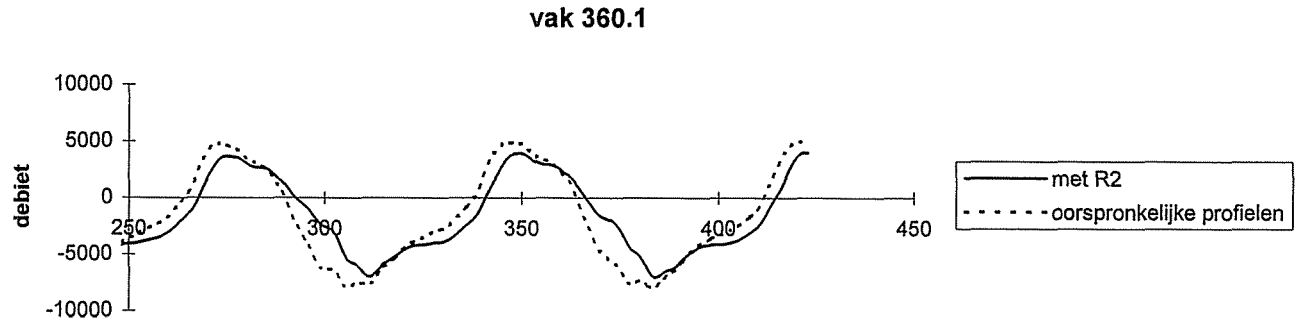
Resultaten van debiet berekeningen met gewijzigde hydraulische straal en met oorspronkelijke profielen

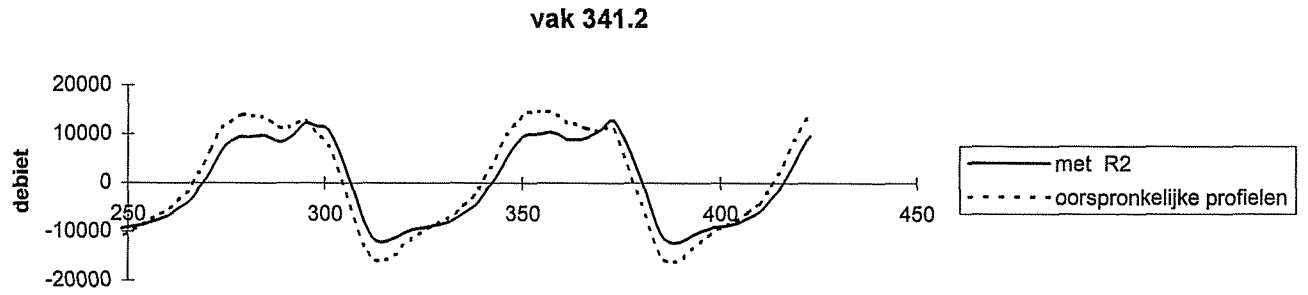
DELFT HYDRAULICS

Fig. 4.7a





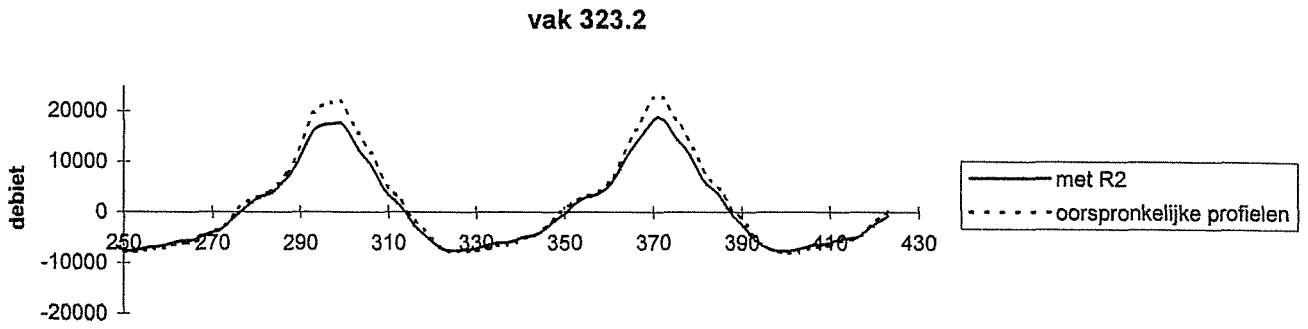


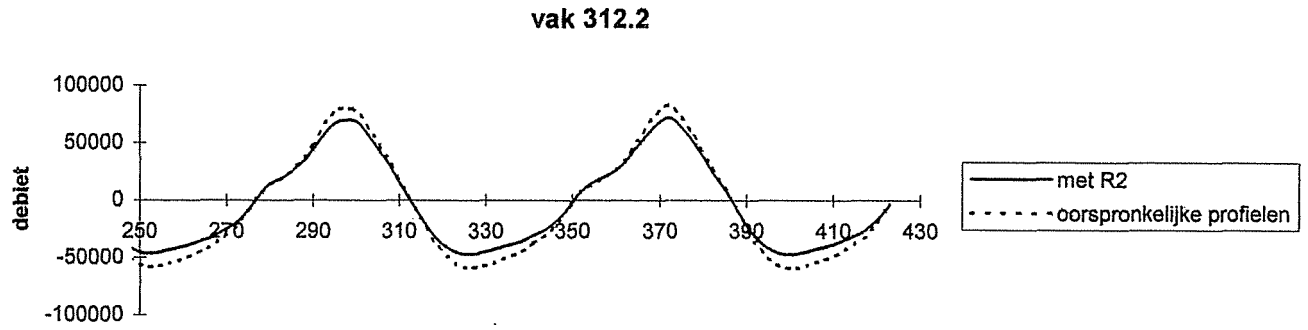


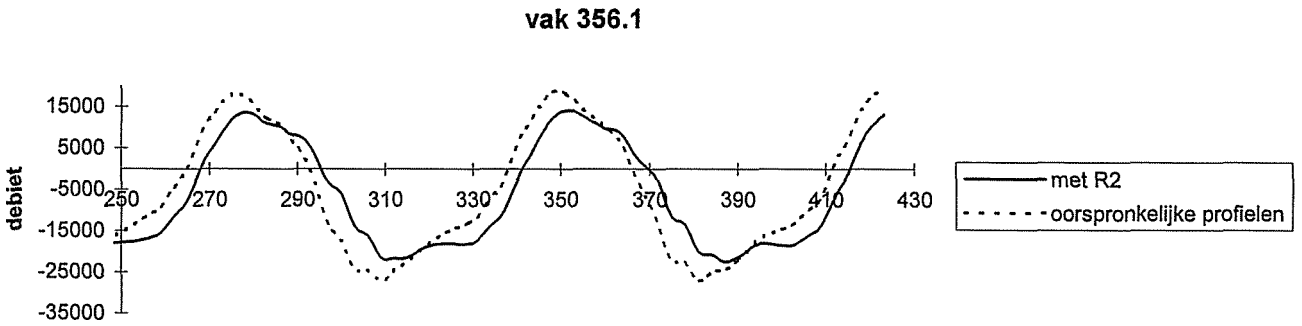
Resultaten van debiet berekeningen met gewijzigde hydraulische straal en met oorspronkelijke profielen

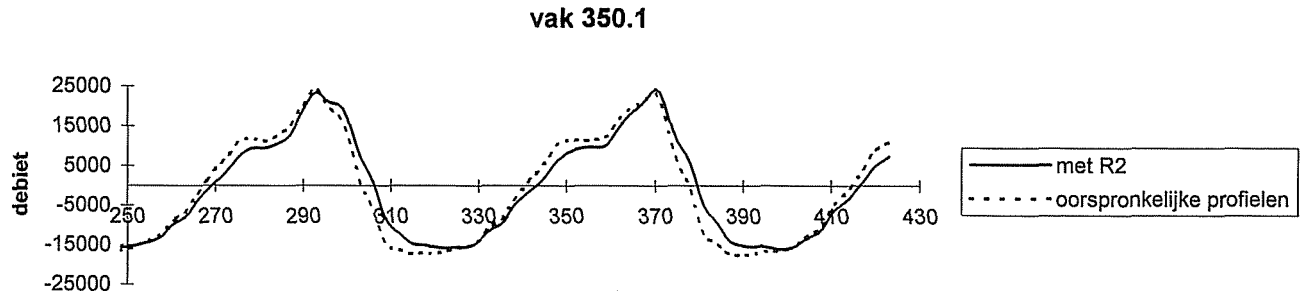
DELFT HYDRAULICS

Fig. 4.7b





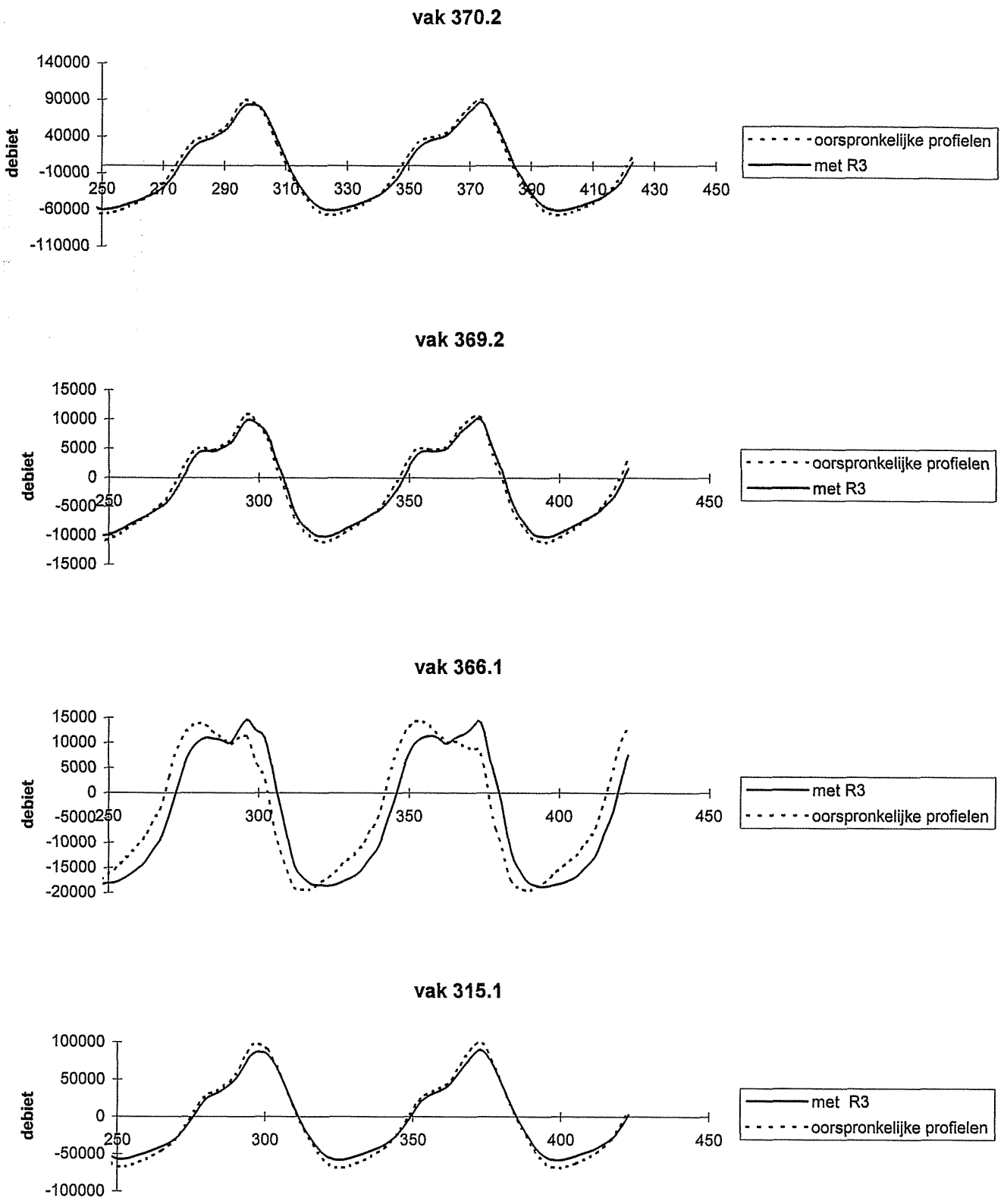




Resultaten van debiet berekeningen met gewijzigde hydraulische straal en met oorspronkelijke profielen

DELFT HYDRAULICS

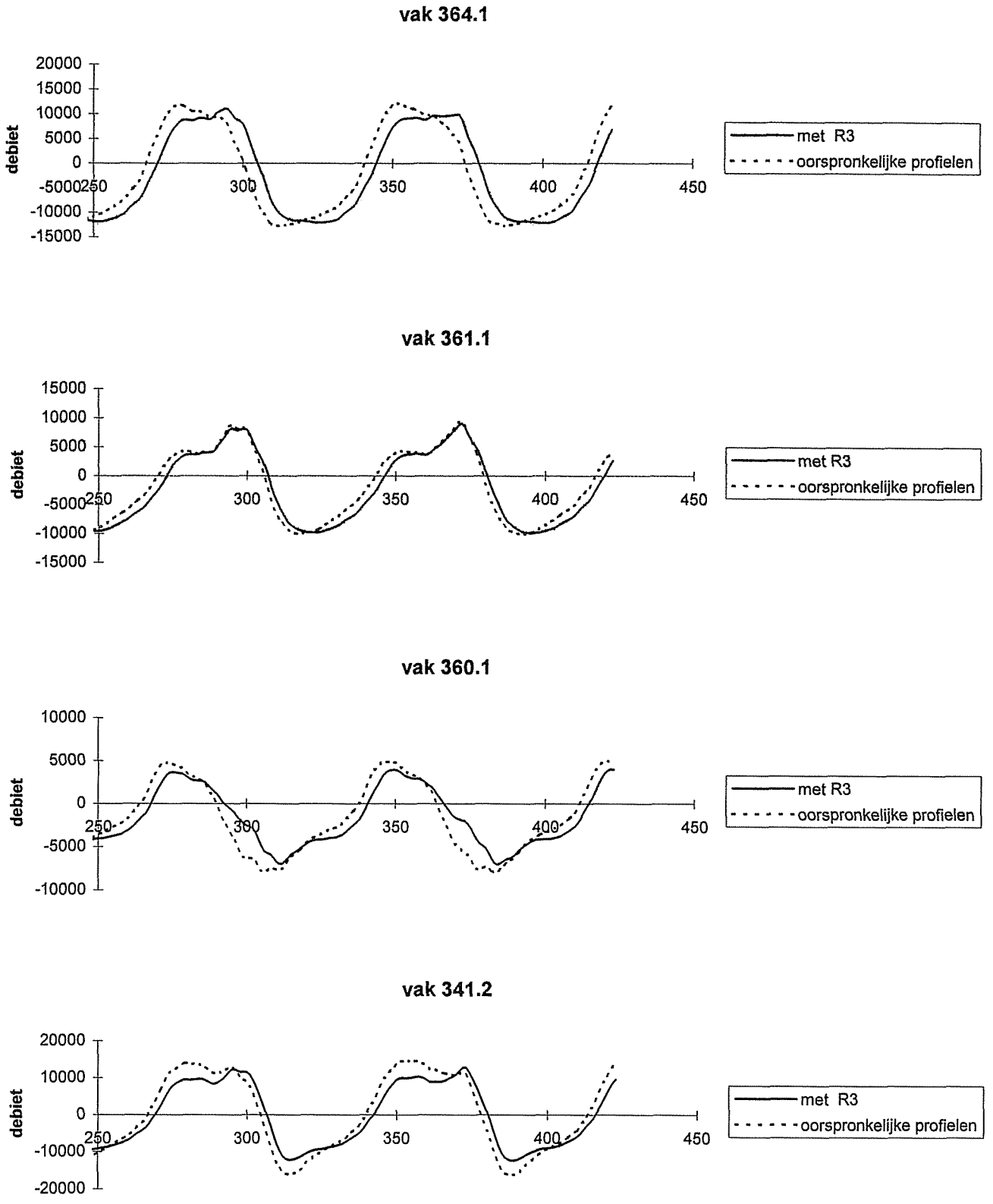
Fig. 4.7c



Resultaten van debiet berekeningen met gewijzigde hydraulische straal en met oorspronkelijke profielen

DELFT HYDRAULICS

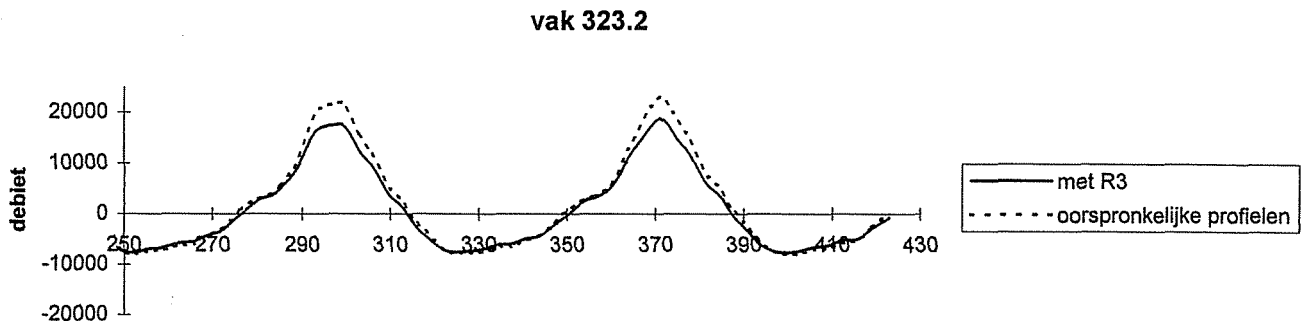
Fig. 4.8a

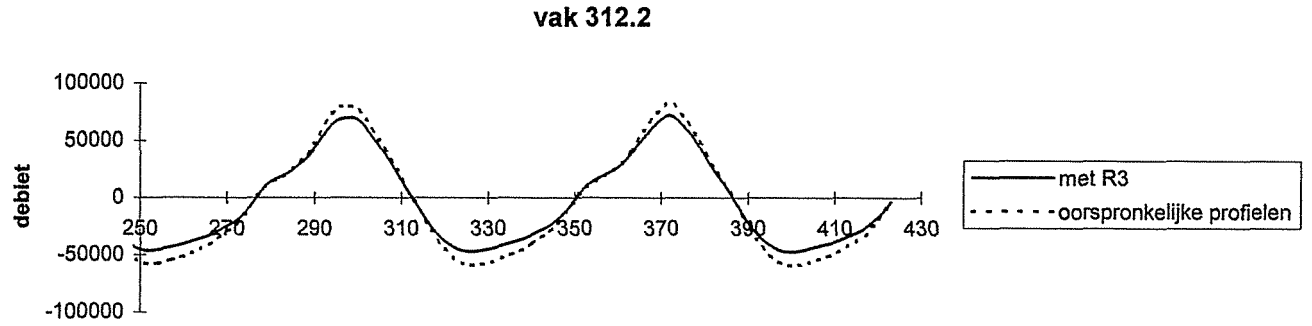


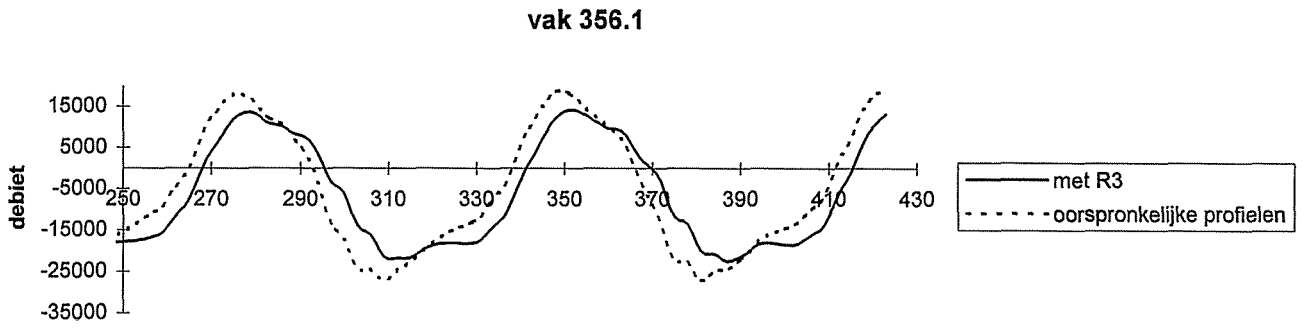
Resultaten van debiet berekeningen met gewijzigde hydraulische straal en met oorspronkelijke profielen

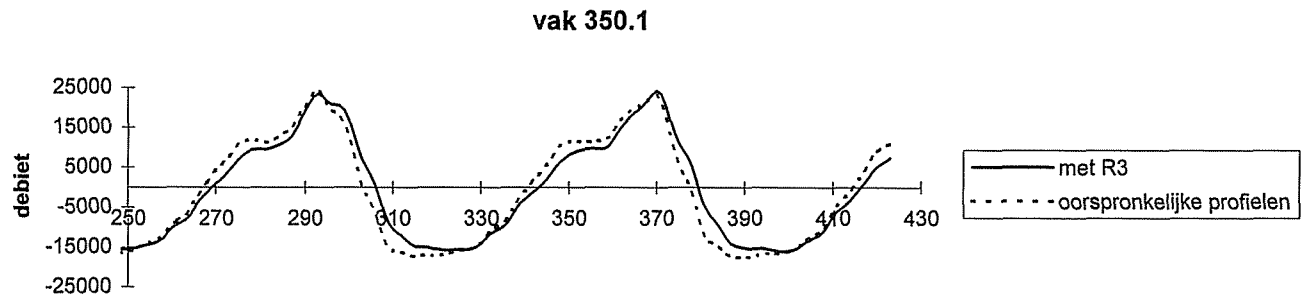
DELFT HYDRAULICS

Fig. 4.8b









Resultaten van debiet berekeningen met gewijzigde hydraulische straal en met oorspronkelijke profielen

DELFT HYDRAULICS

Fig. 4.8c

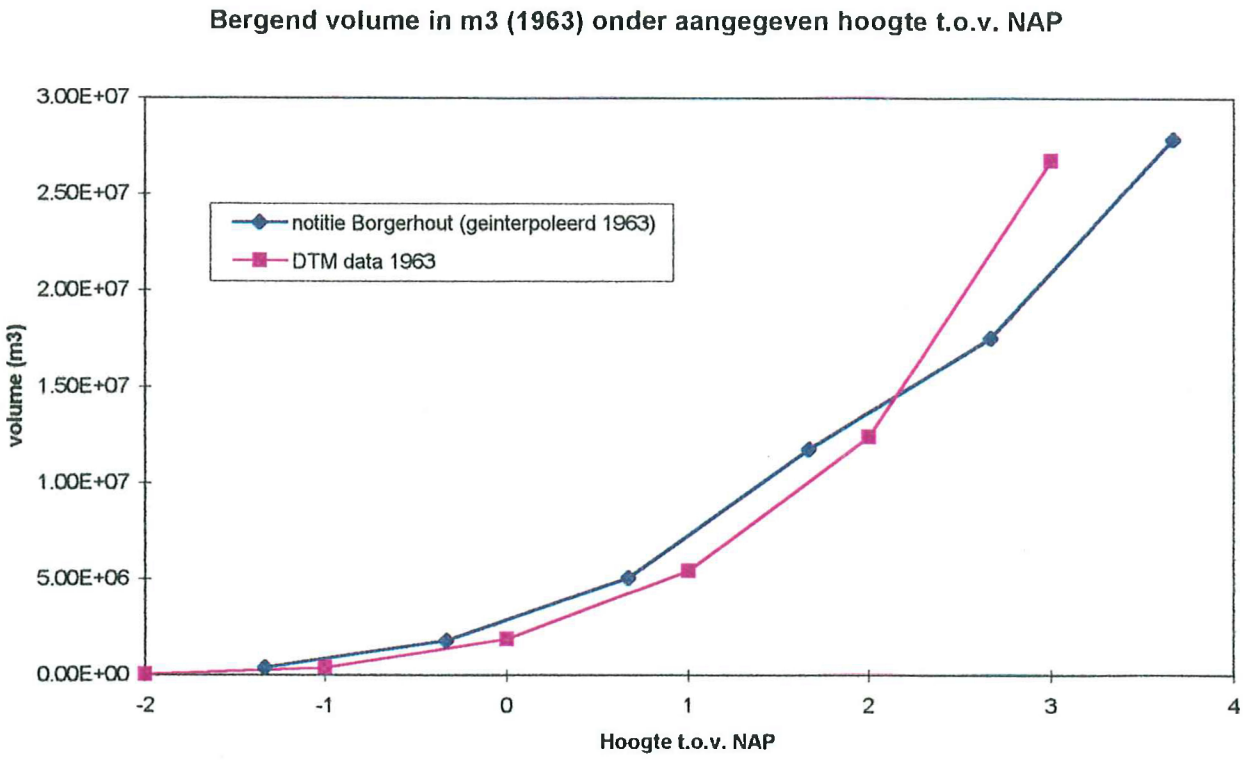


fig 5.1a

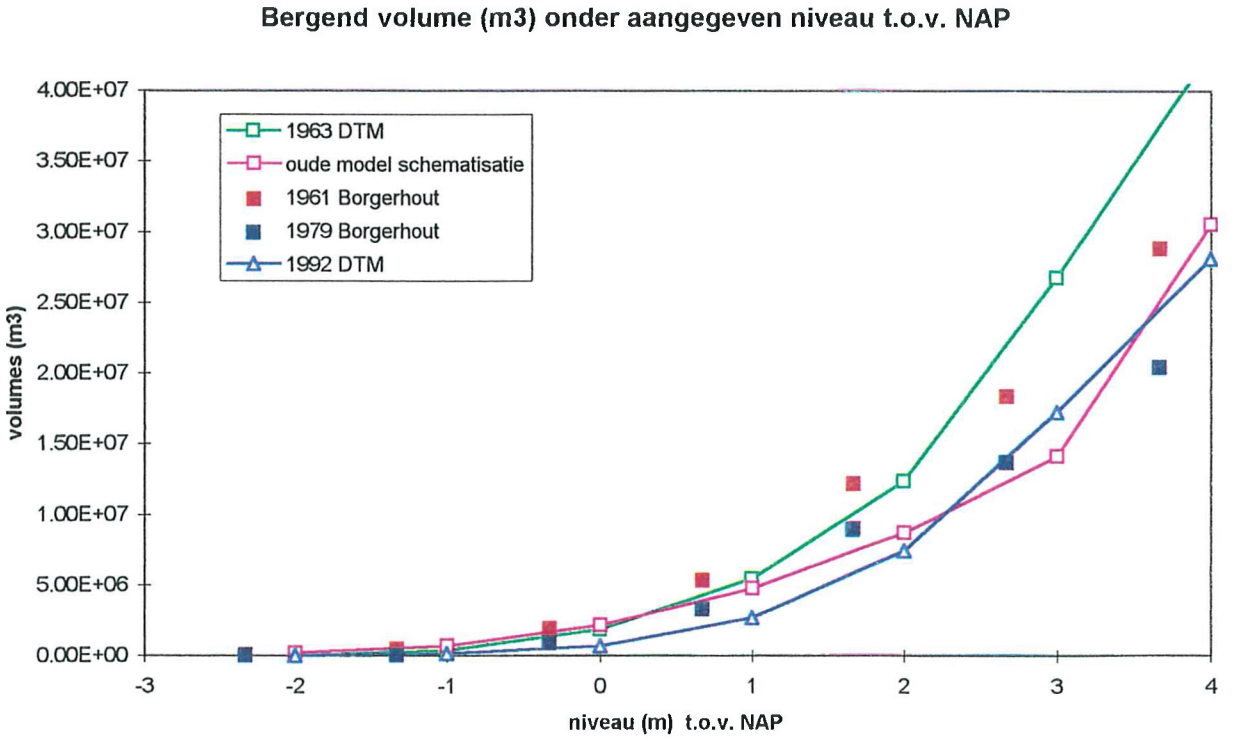
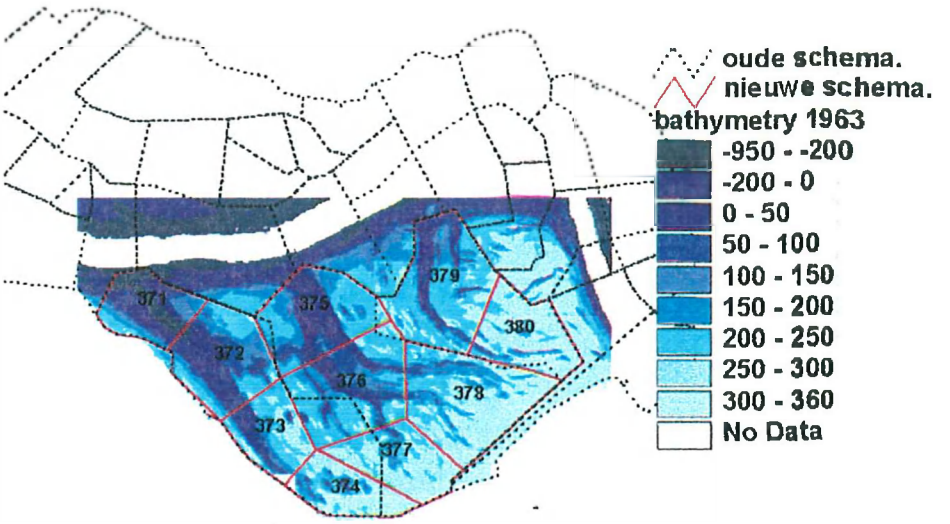


fig 5.1b

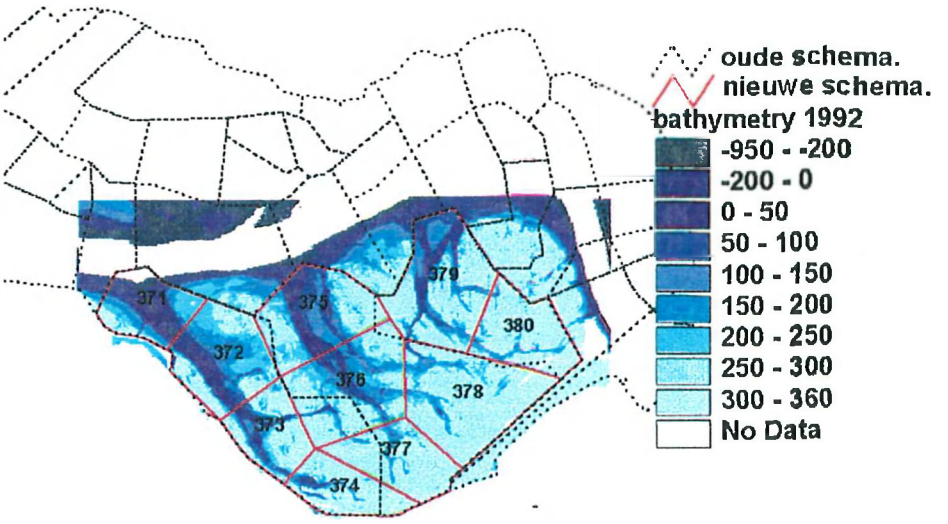
Bergend volume Land van Saeftinge: diverse datasets tegen elkaar uitgezet

DELFT HYDRAULICS

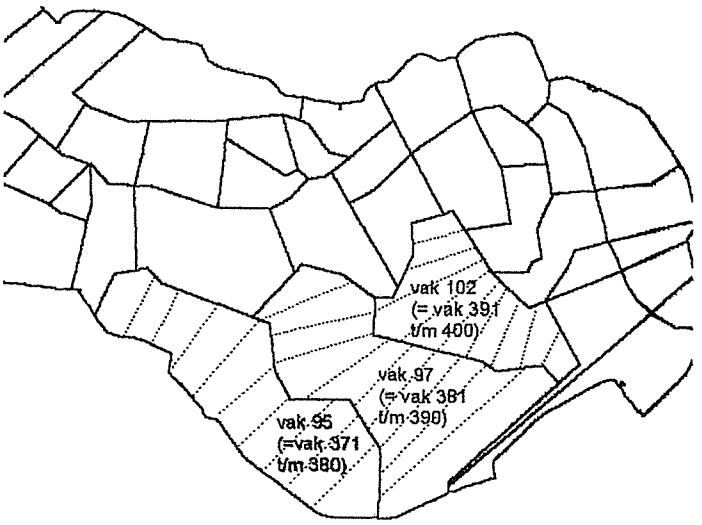
Fig.5.1a en b



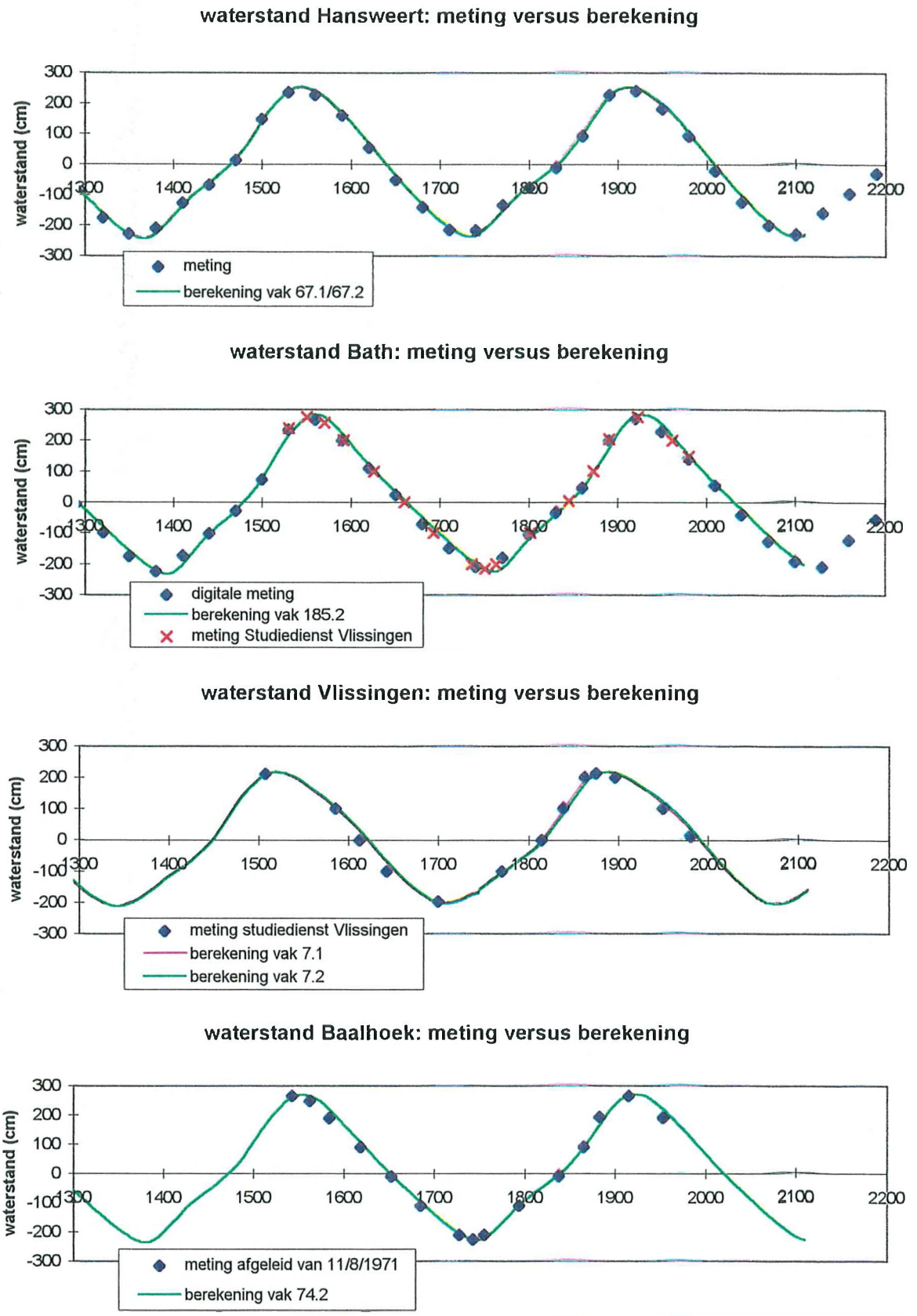
Figuur 5.2a Nieuwe model schematisatie Land van Saeftinge (rode lijnen) en bathymetry van 1963



Figuur 5.2b Nieuwe model schematisatie Land van Saeftinge (rode lijnen) en bathymetry van 1992

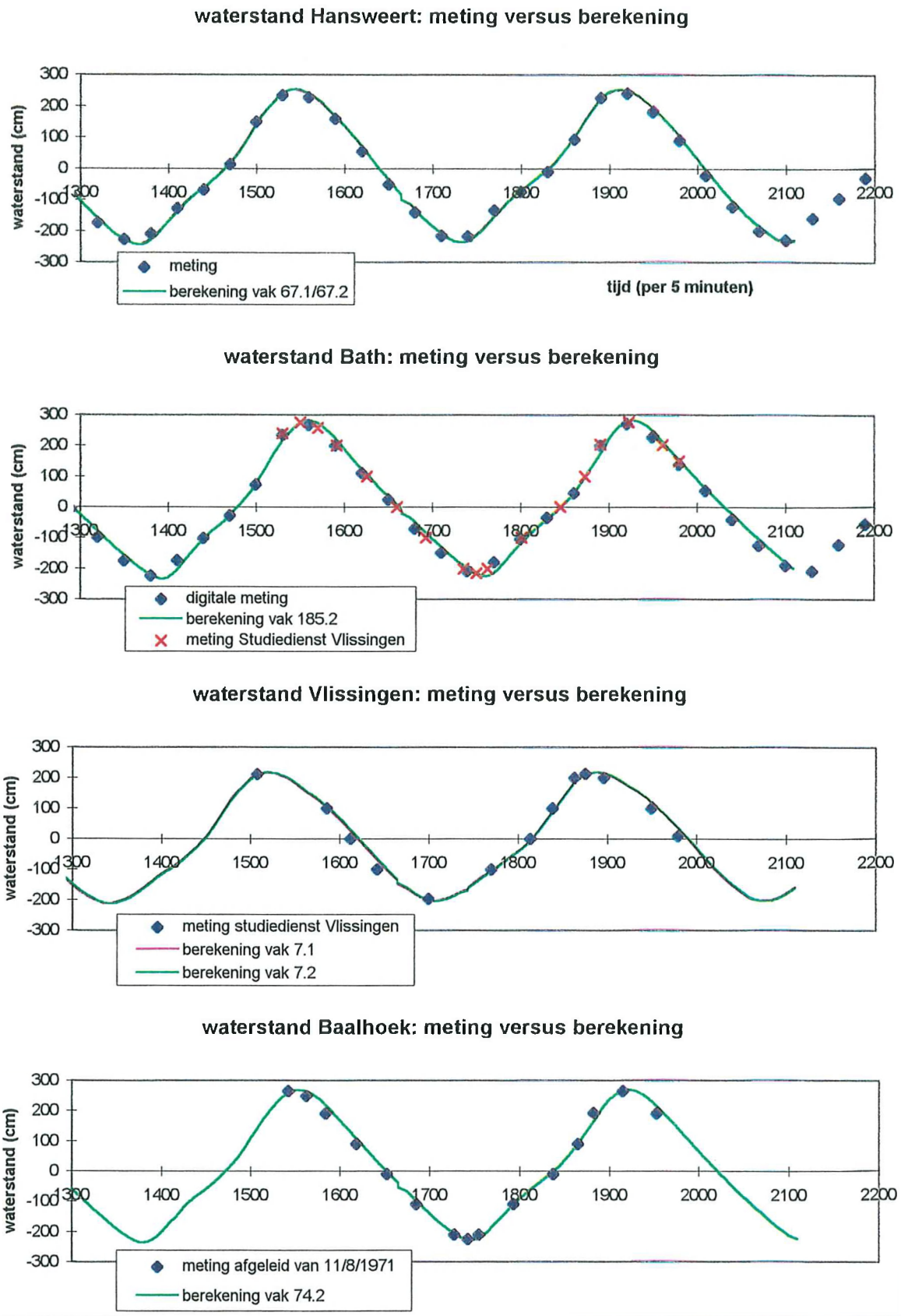


Figuur 5.2c 'Oude' modelschematisatie Land van Saeftinge, bestaande uit 3 vakken. Schematisch is de onderverdeling in 10 stukken met gelijke lengte weergegeven.



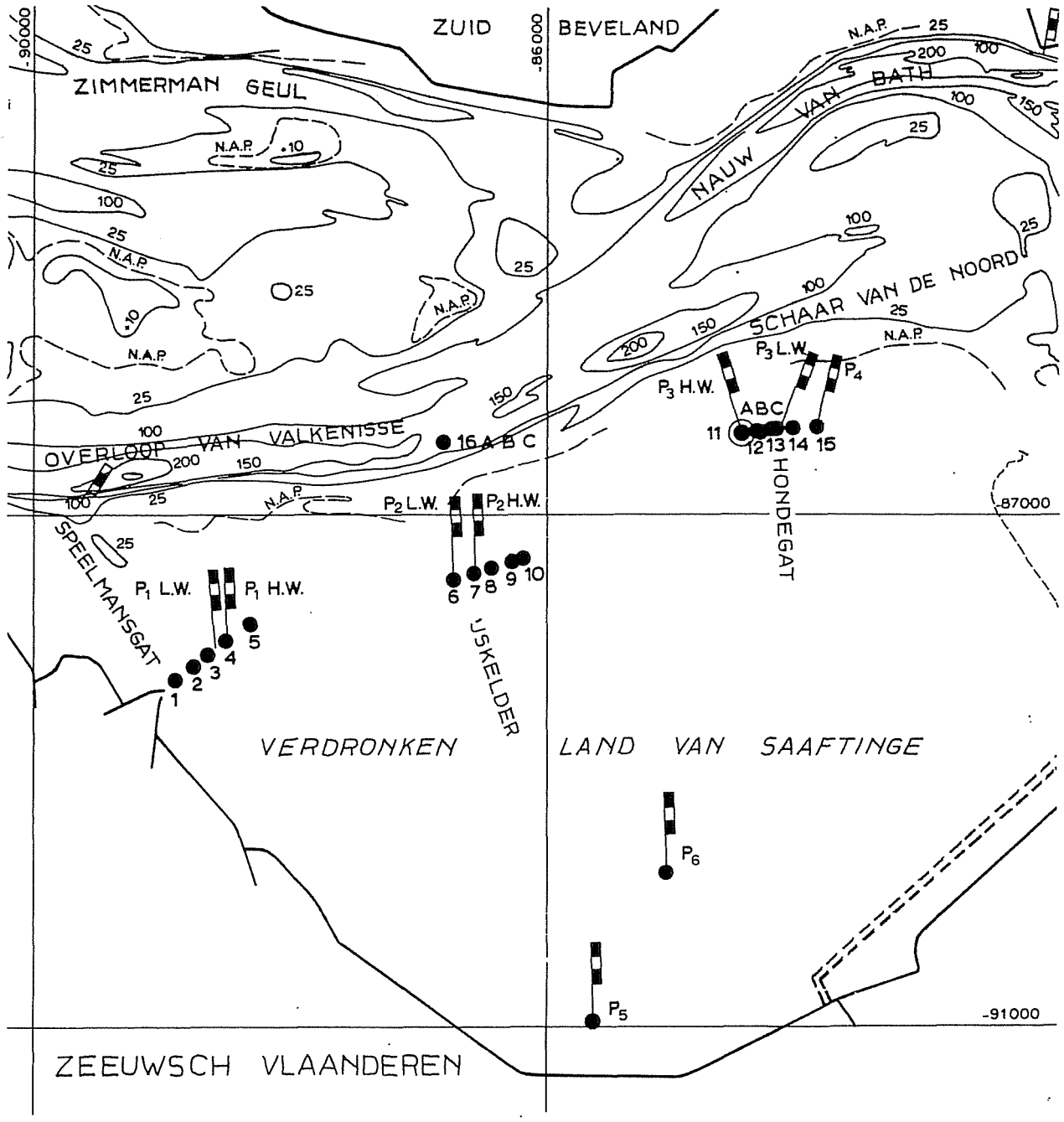
Modelresultaten oude Saeftinge schematisatie met
3(0) vakken, bodem 1968, uitgezet tegen metingen

fig 5.3



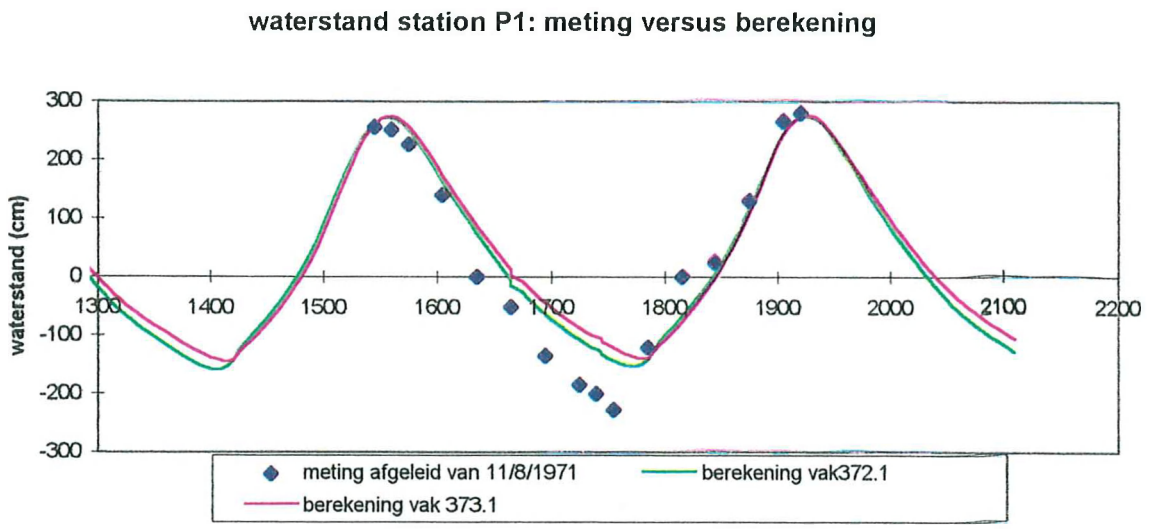
Modelresultaten nieuwe Saeftinge schematisatie met
10 vakken, bodem 1963, uitgezet tegen metingen

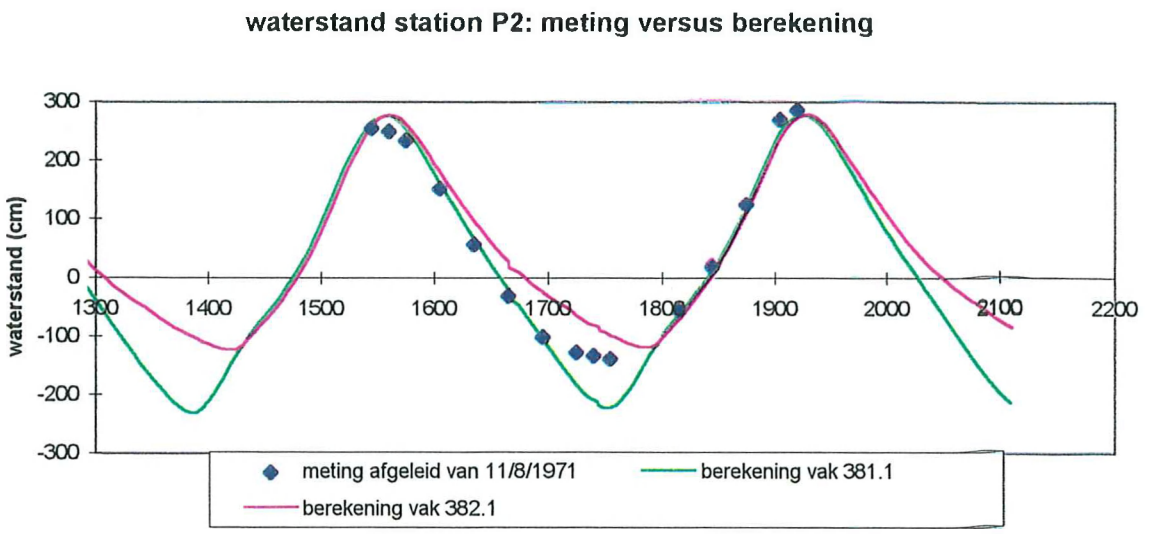
fig 5.4

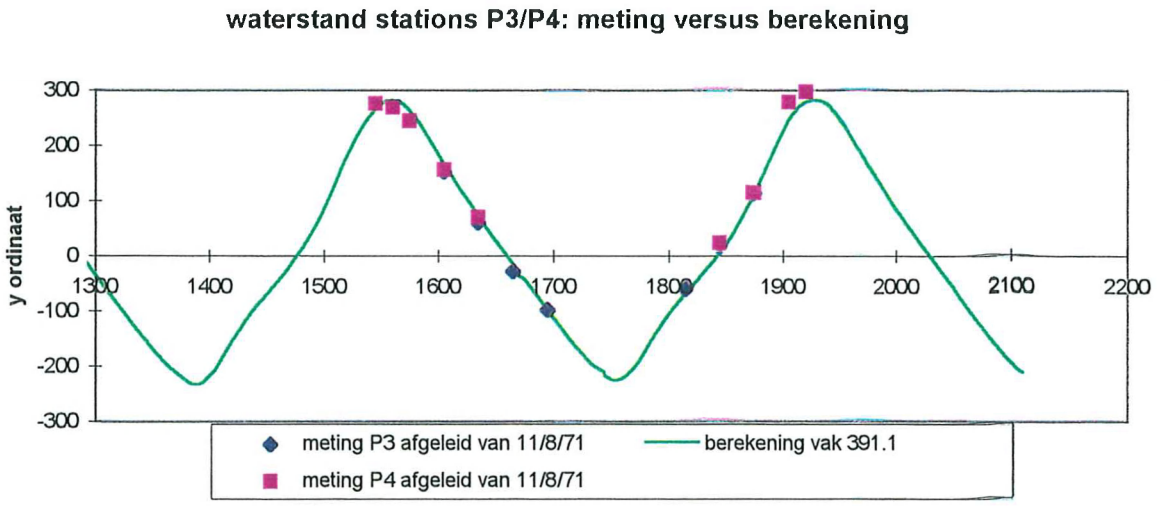


DELFT HYDRAULICS

Fig.5.5a

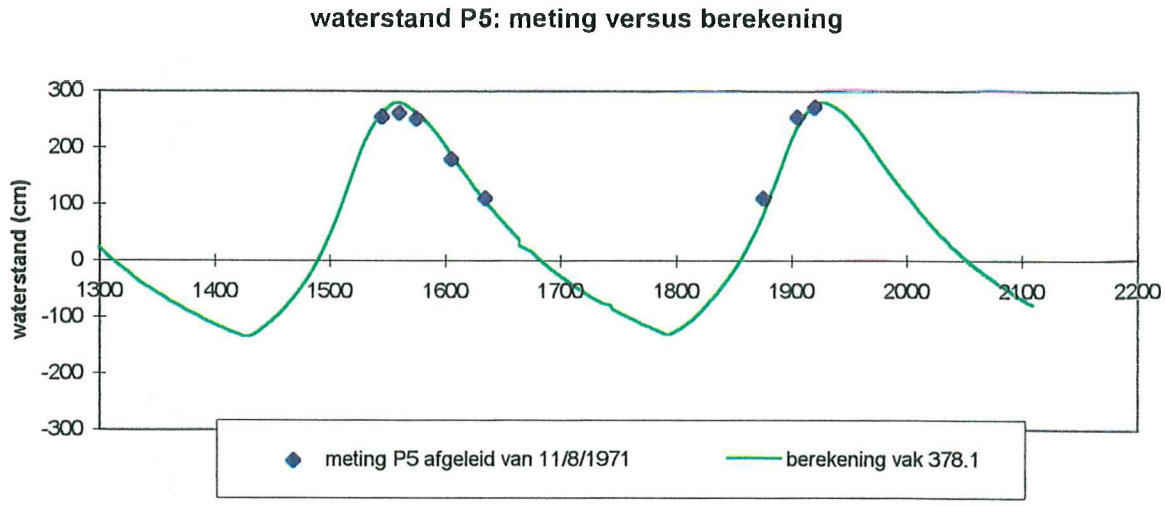


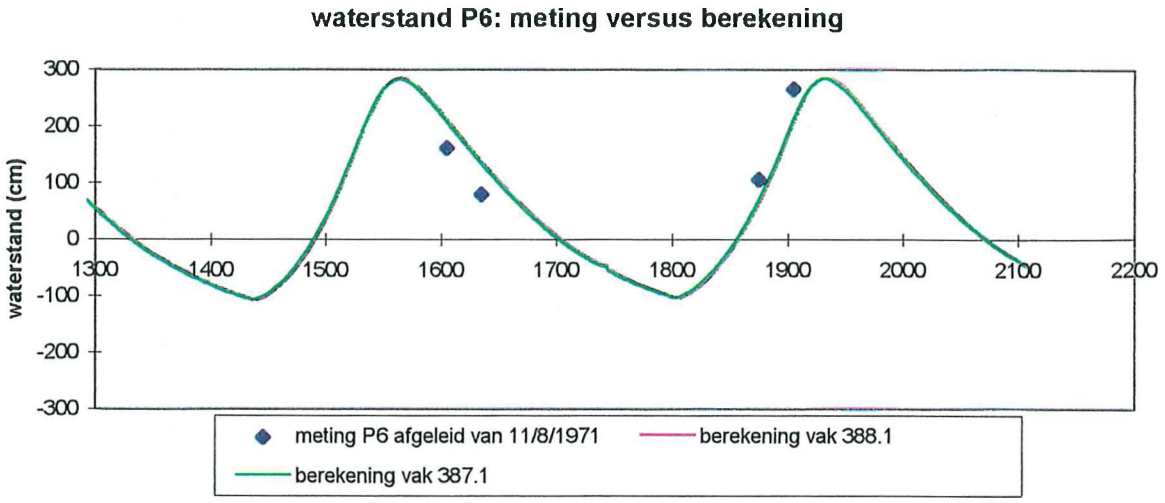




Modelresultaten oude Saeftinge schematisatie met
3(0) vakken, uitgezet tegen metingen

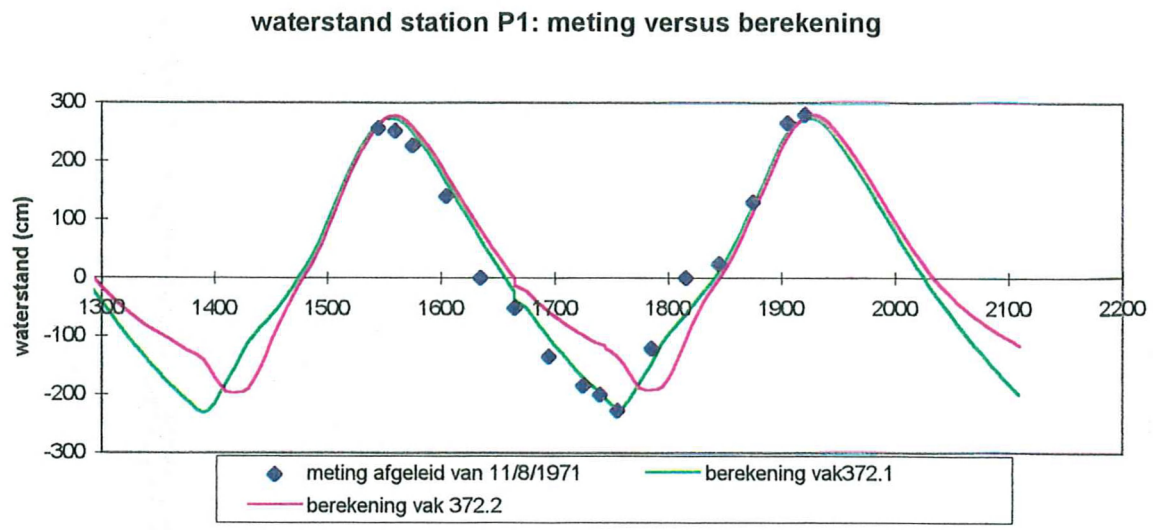
fig 5.5b

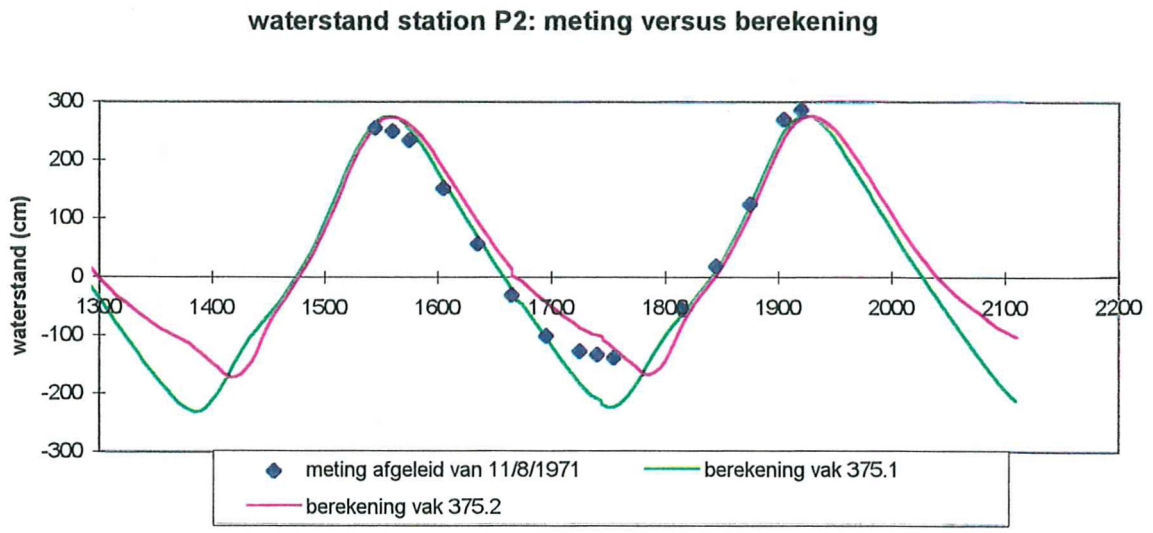


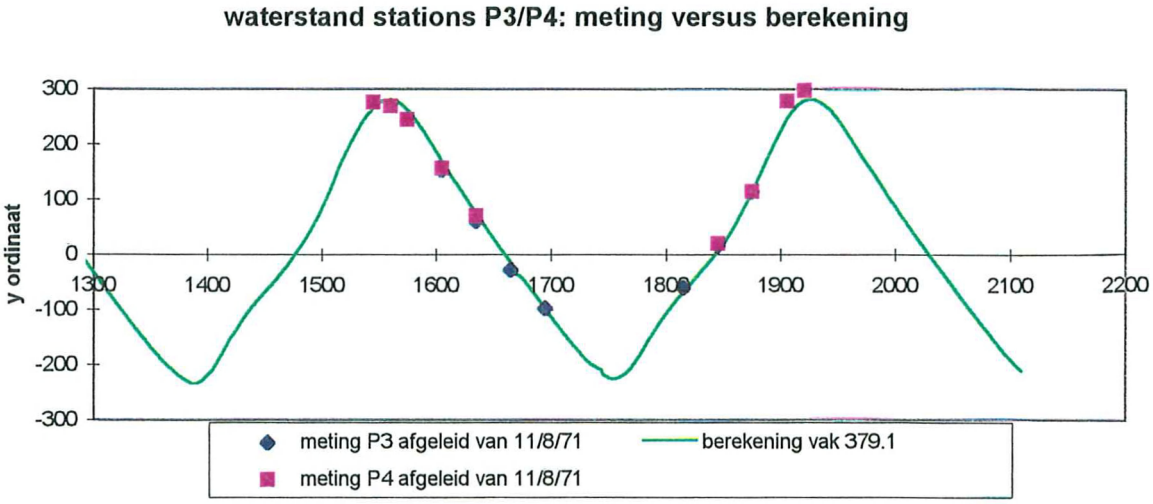


Modelresultaten oude Saeftinge schematisatie met 3(0) vakken, uitgezet tegen metingen

fig 5.5c

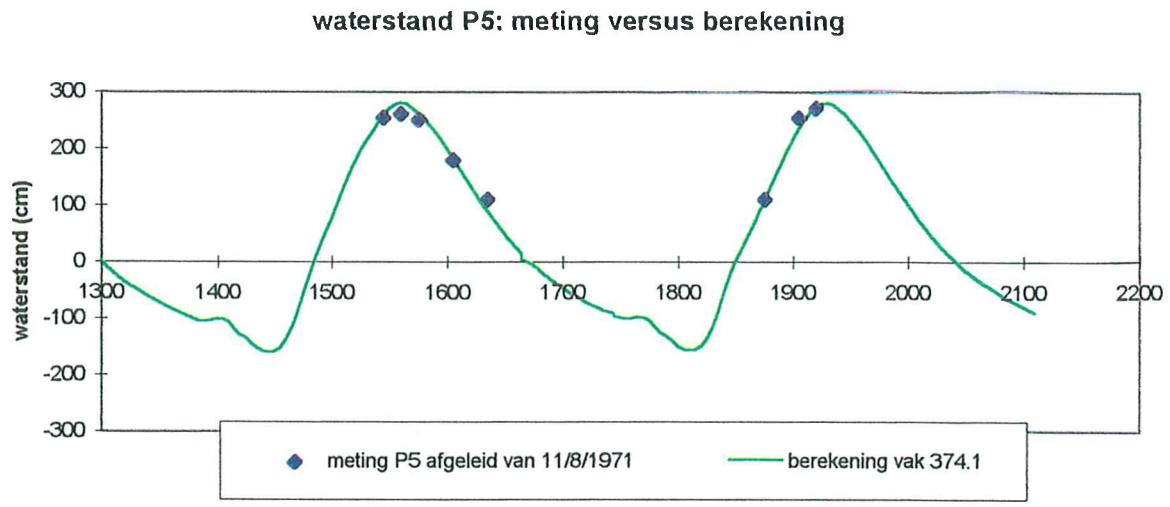


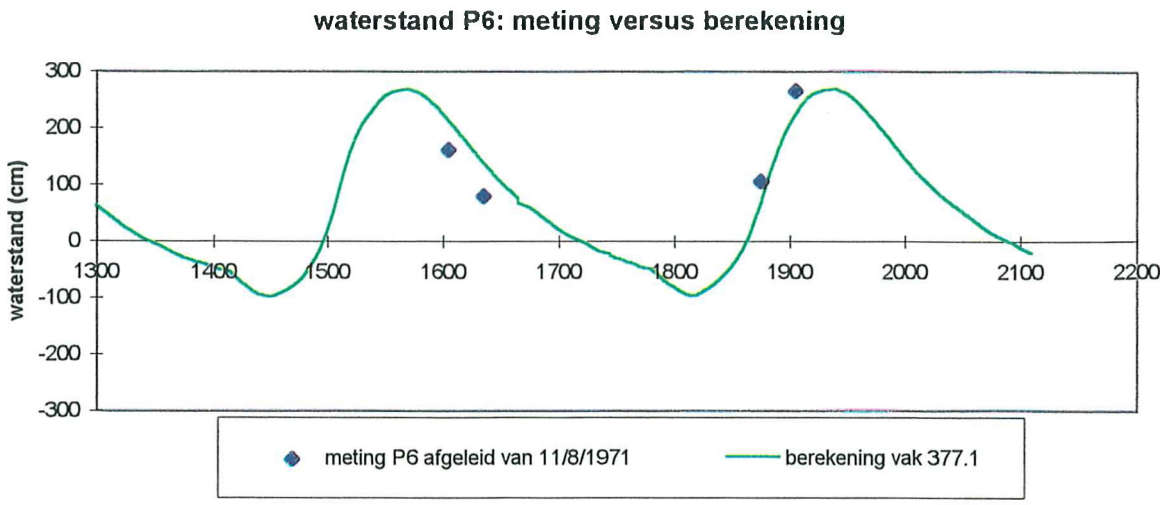




Modelresultaten nieuwe Saeftinge schematisatie met
10 vakken, bodem 1963, uitgezet tegen metingen

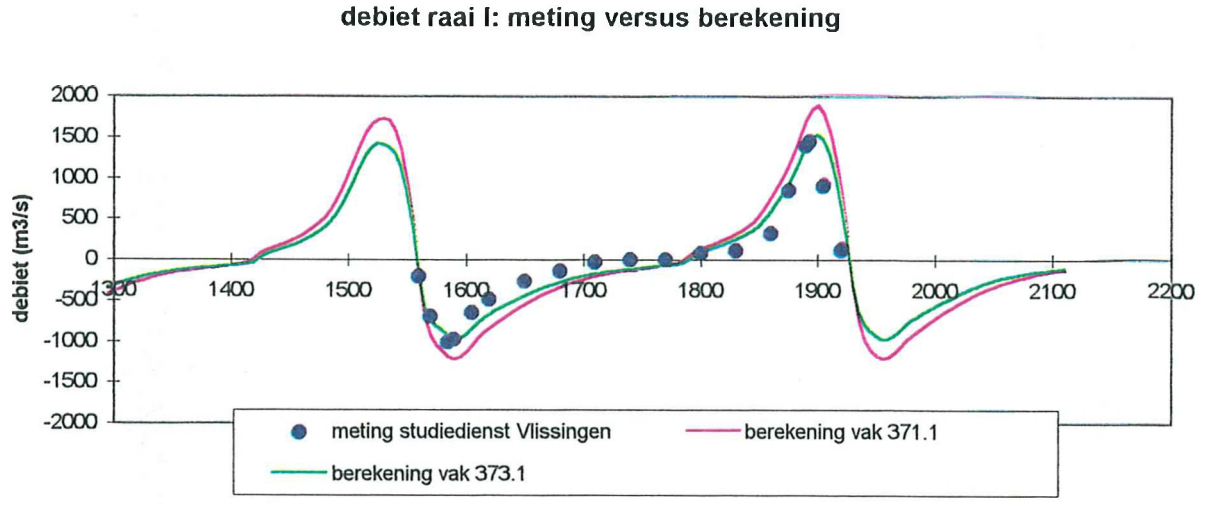
fig 5.5d

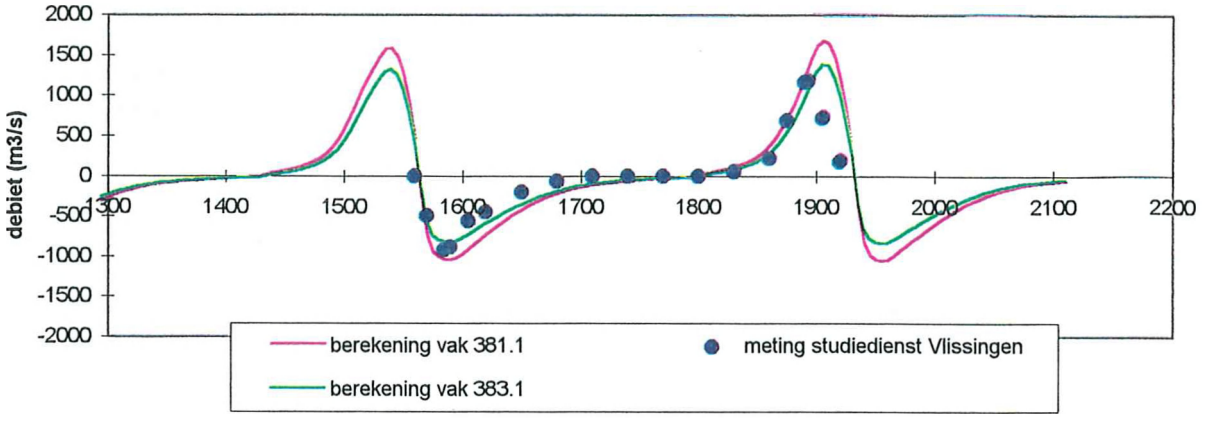


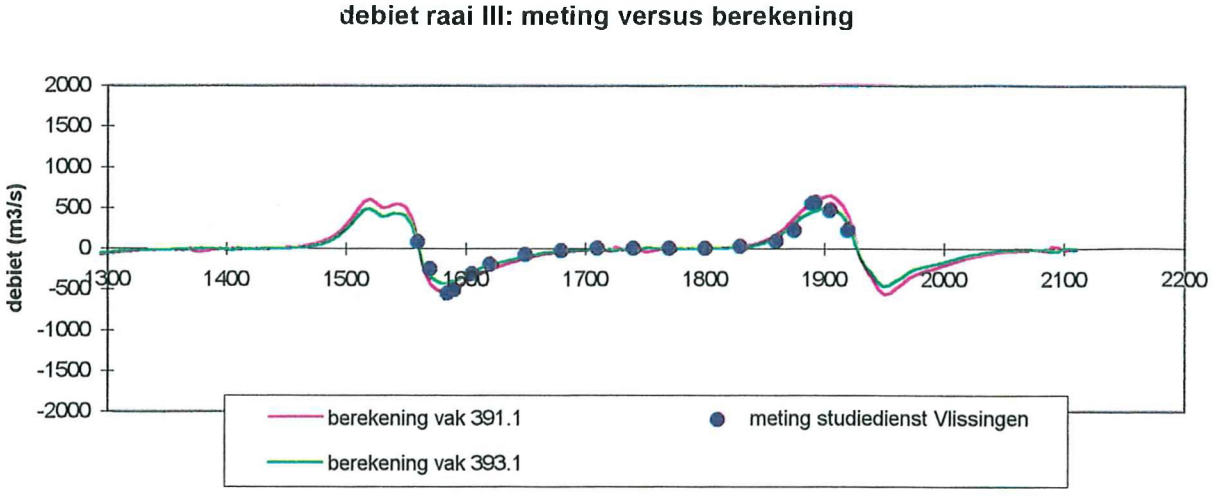


Modelresultaten nieuwe Saeftinge schematisatie met
10 vakken, bodem 1963, uitgezet tegen metingen

fig 5.5e



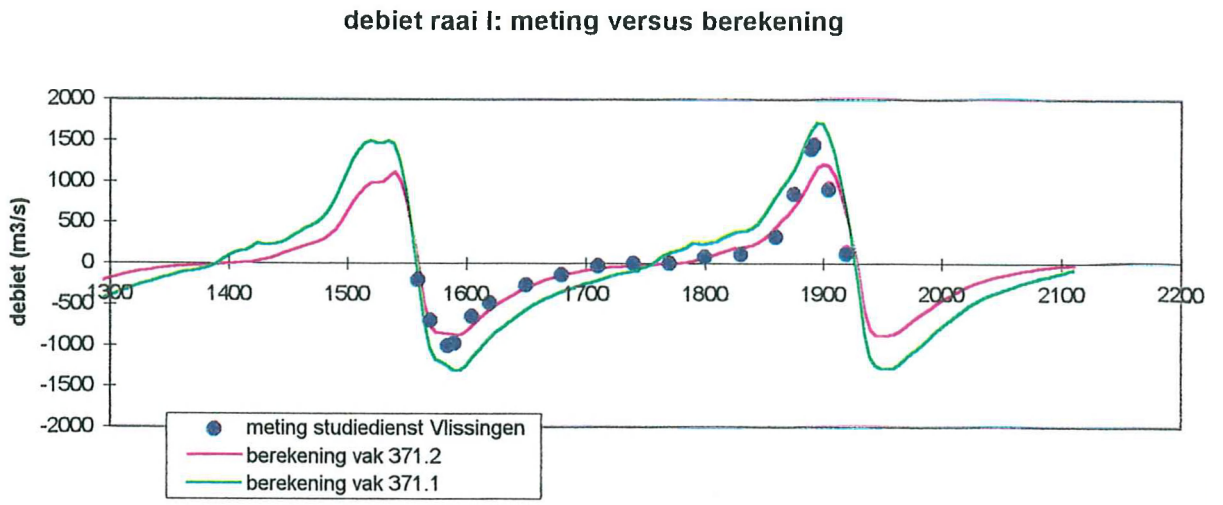


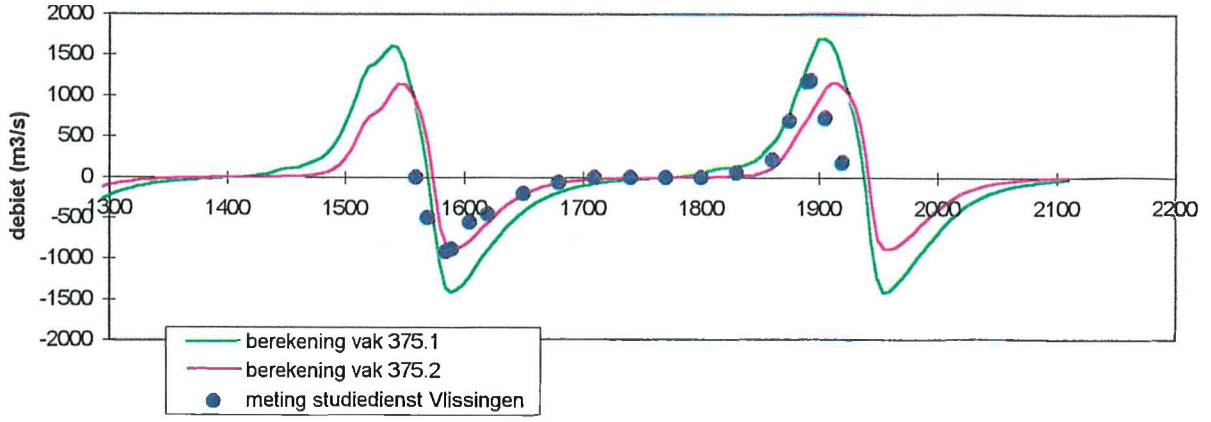


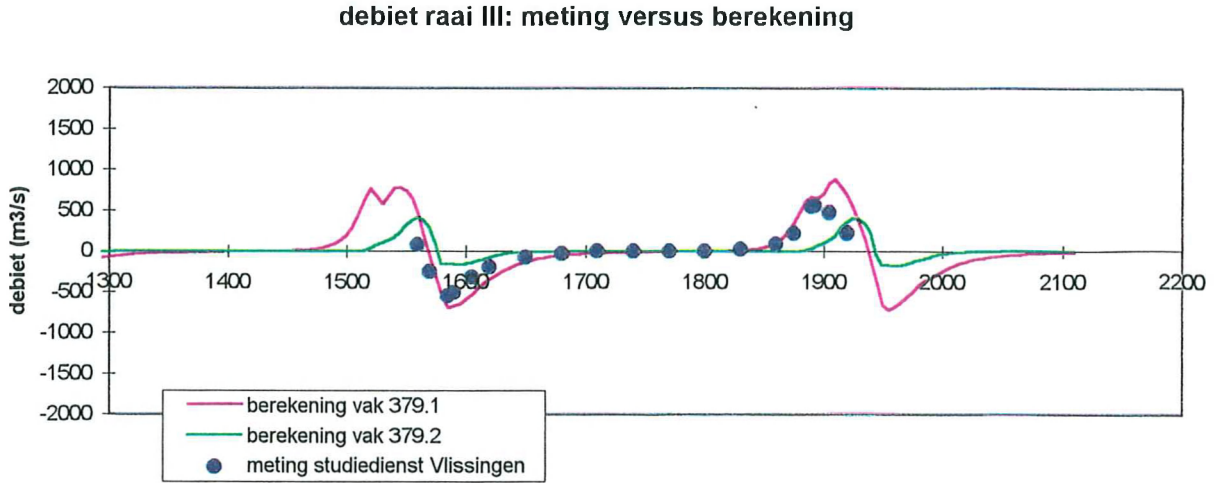
Oude modelschematisatie Saeftinge met 3(0) vakken uitgezet tegen metingen

DELFT HYDRAULICS

fig 5.6



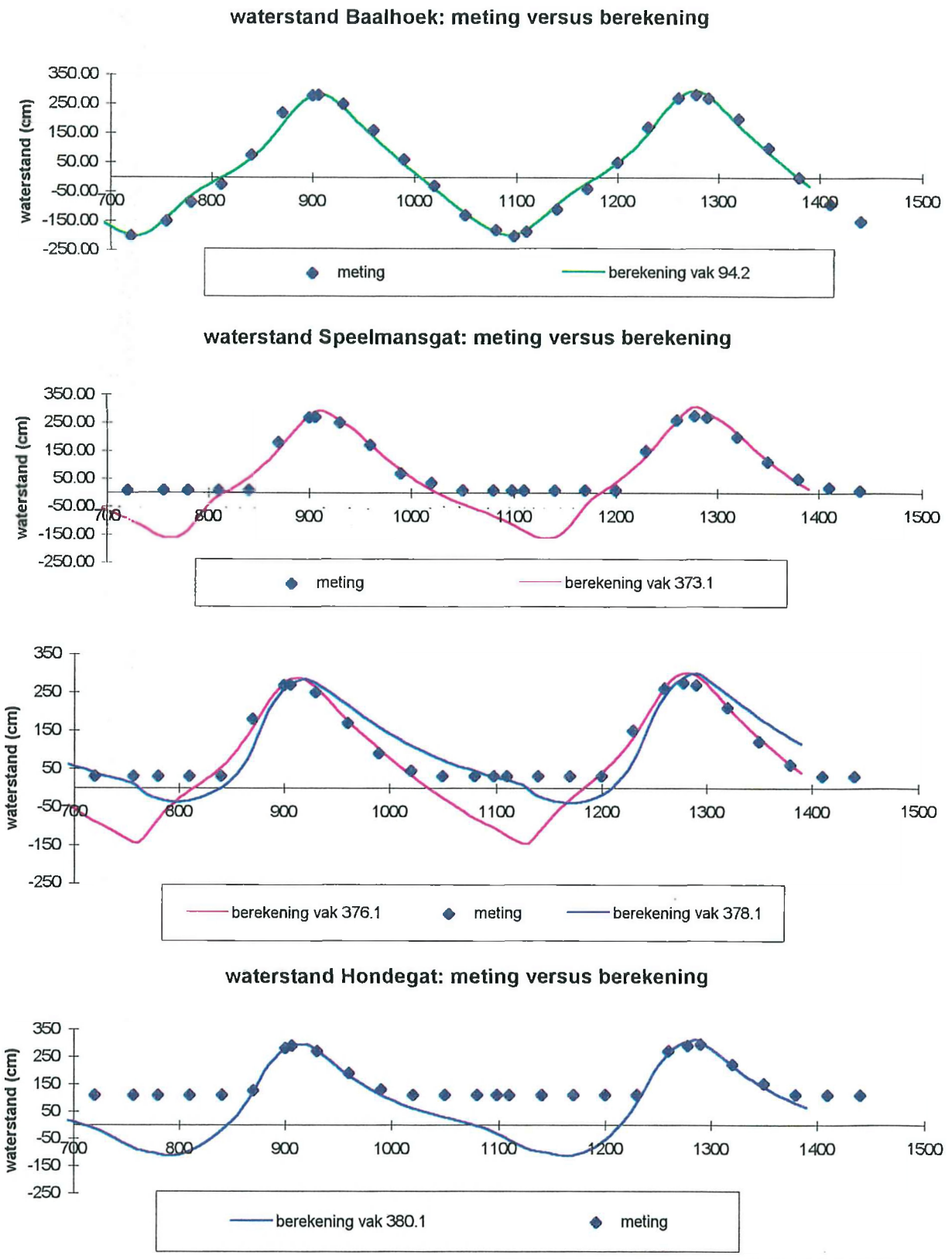




Nieuw modelschematisatie Saeftinge met 10 vakken, bodem 1963, uitgezet tegen metingen

DELFT HYDRAULICS

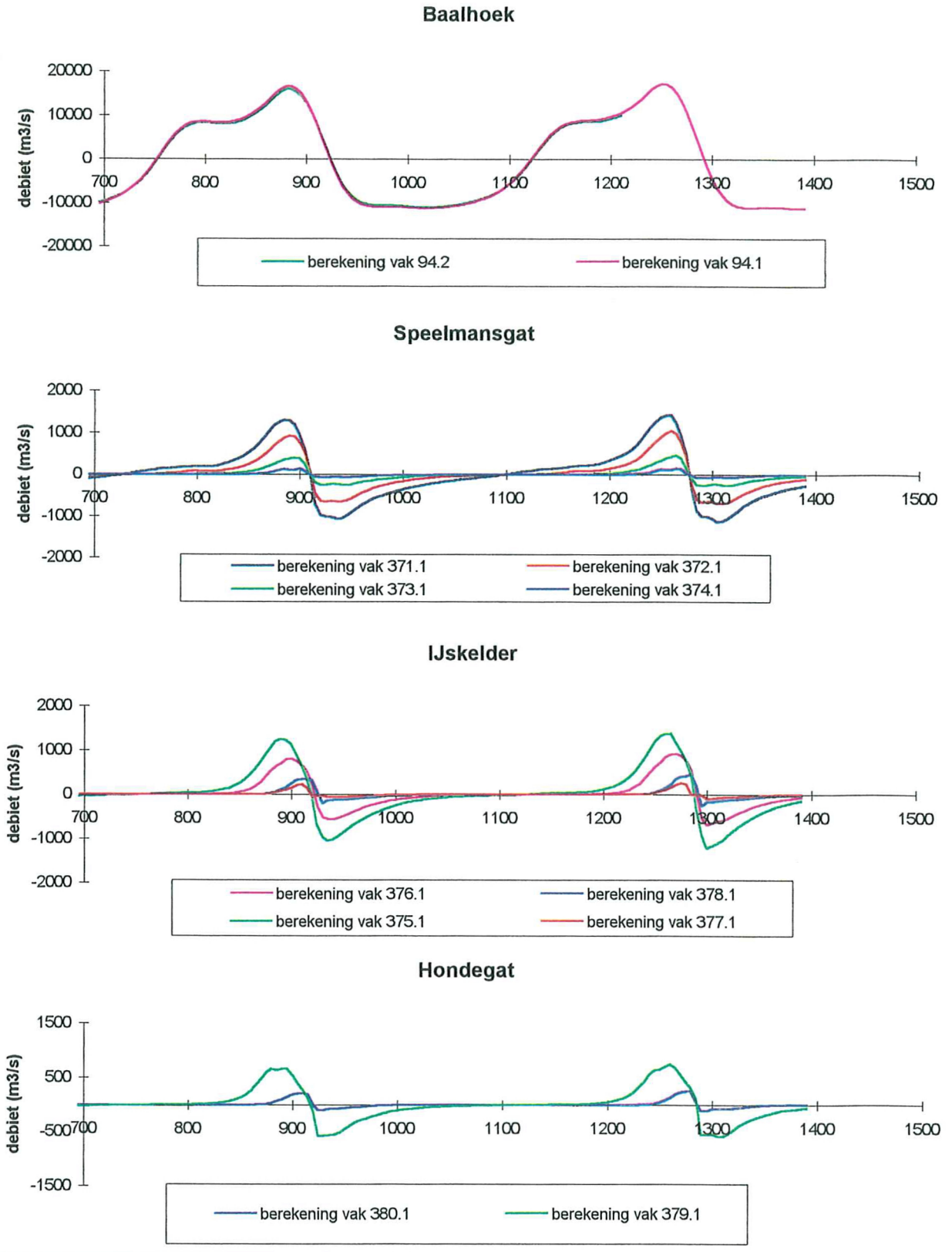
fig 5.7



modelresultaten nieuwe Saeftinge modelschematisatie met 10 vakken, bodem 1992, uitgezet tegen metigen 1992

DELFT HYDRAULICS

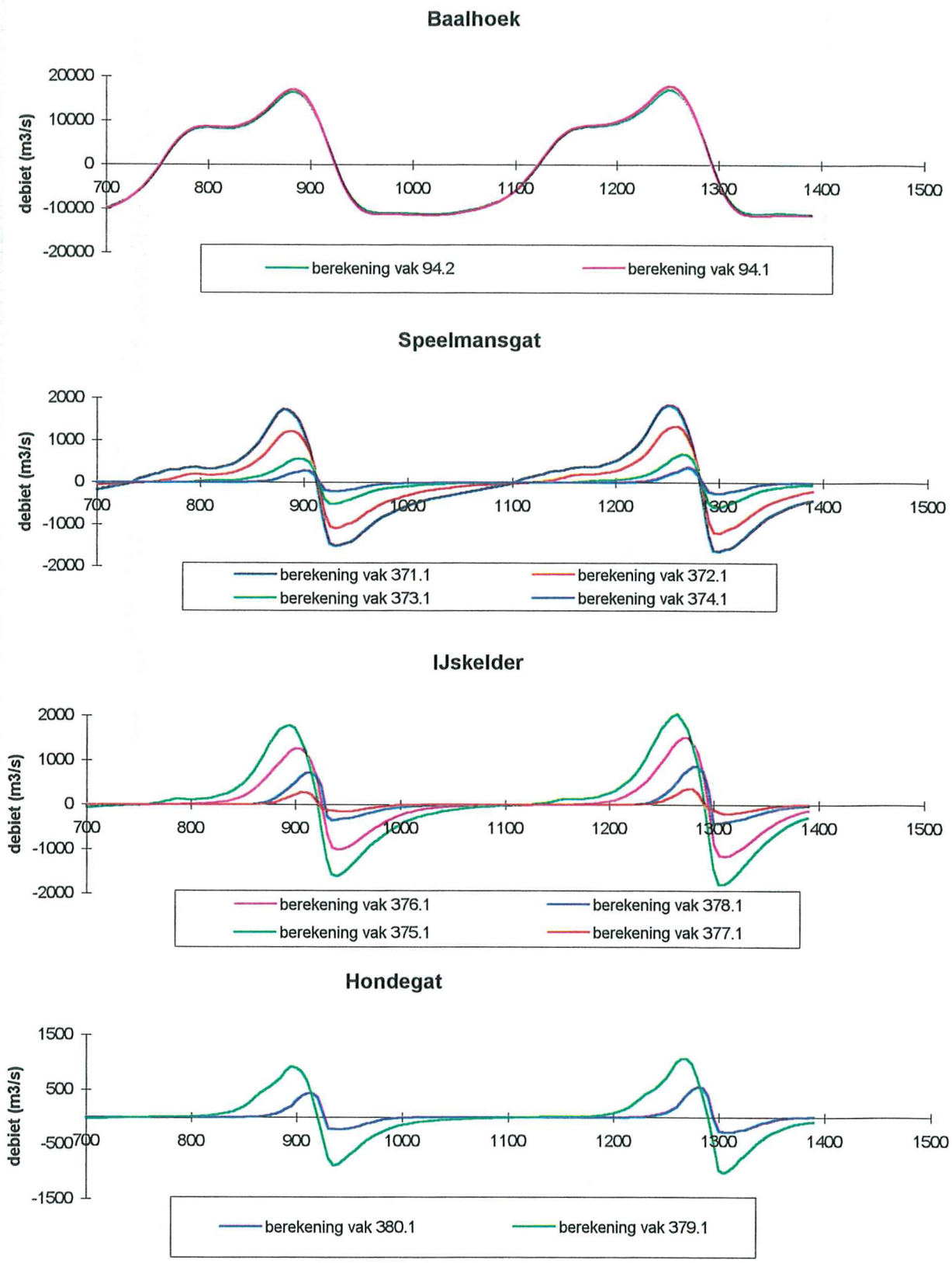
fig 5.8



modelresultaten nieuwe Saeftinge modelschematisatie met 10 vakken, bodem 1992

DELFT HYDRAULICS

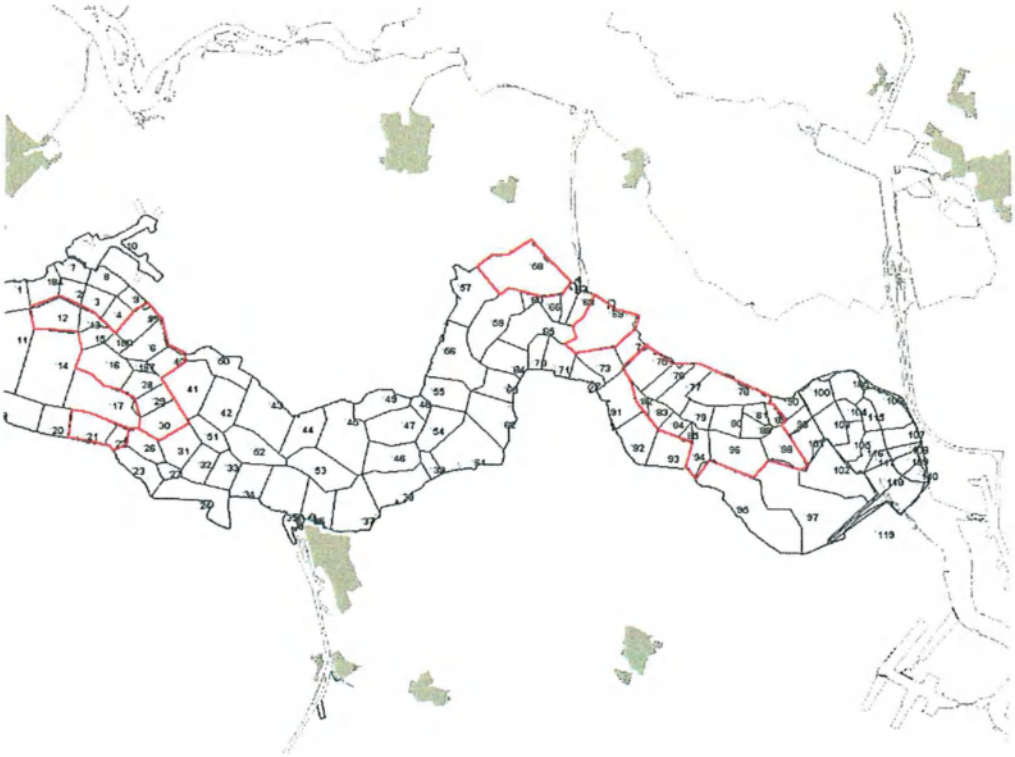
fig 5.9



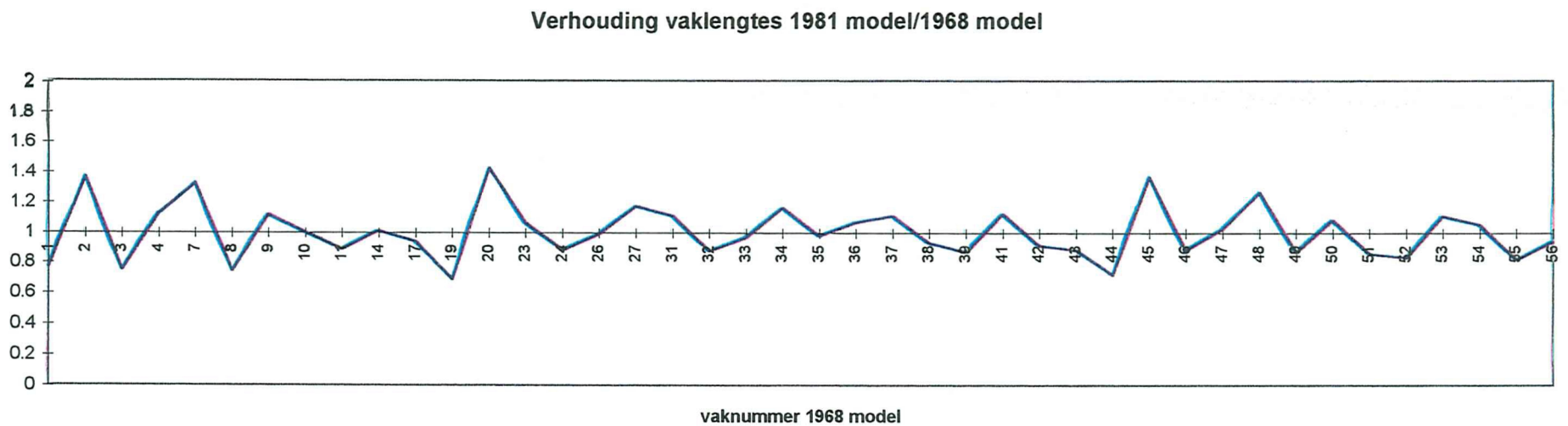
modelresultaten nieuwe Saeftinge modelschematisatie met 10 vakken, bodem 1963

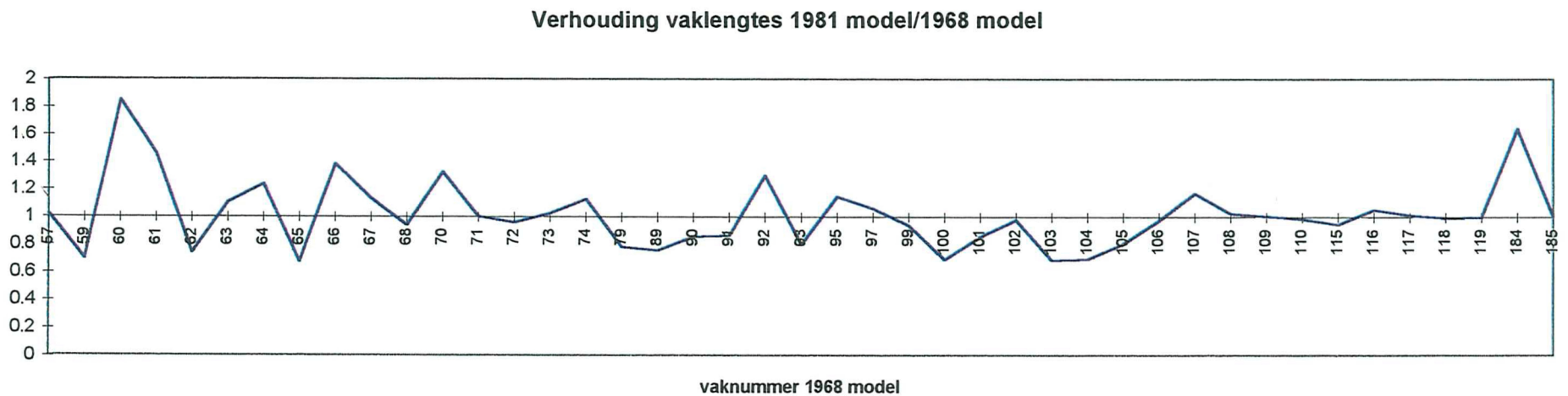
DELFT HYDRAULICS

fig 5.10



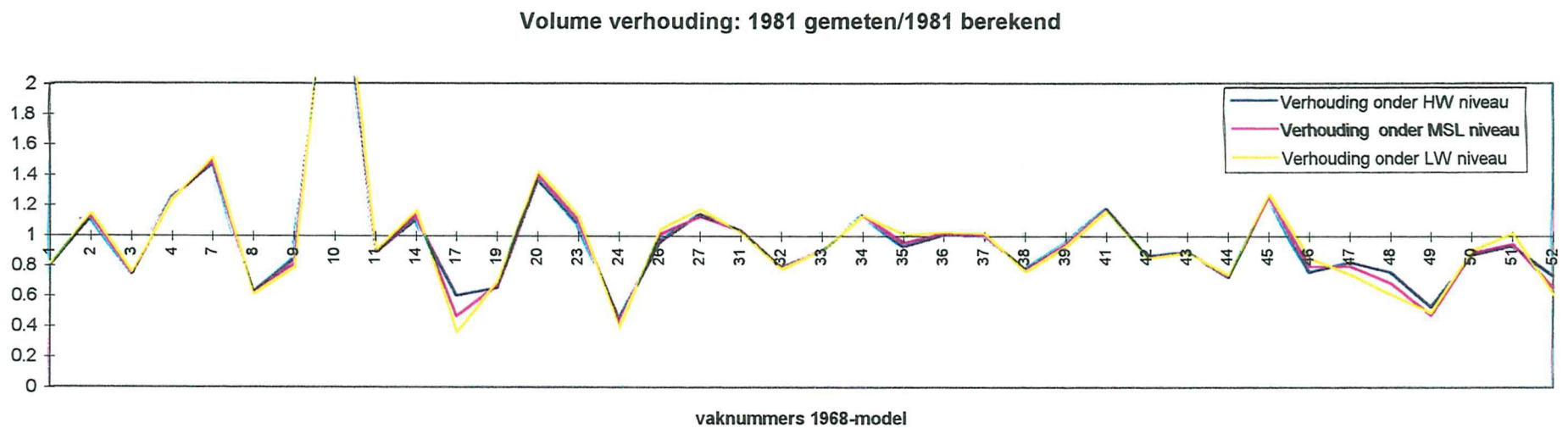
Figuur 6.1: Rood gerande gebieden laten zie op welke plaatsen de 1981 schematisatie de grootste verschillen vertoont met de 1968 schematisatie

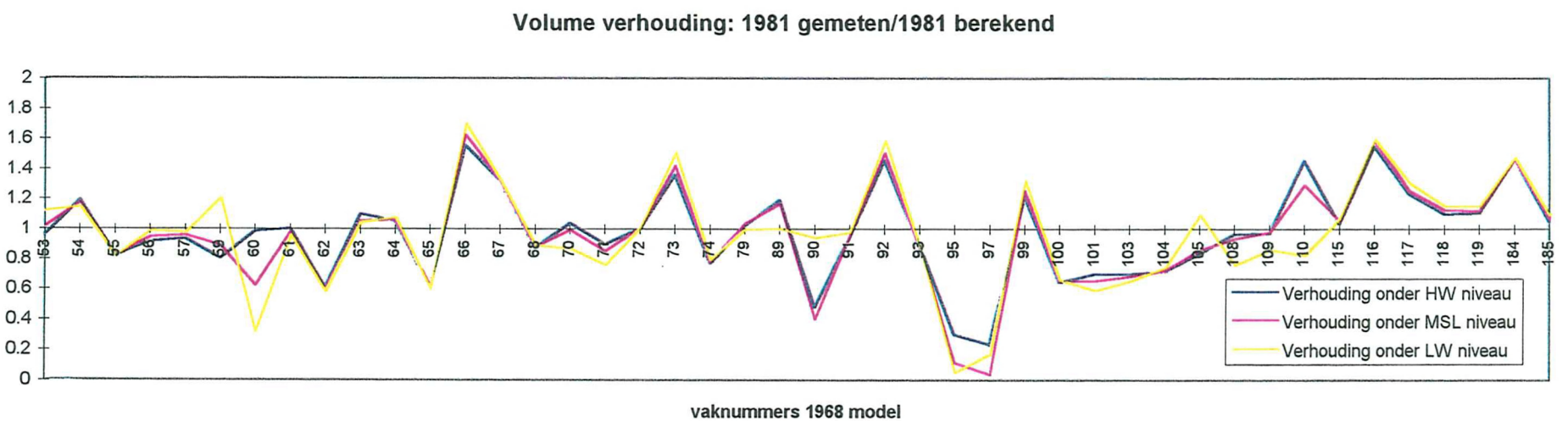




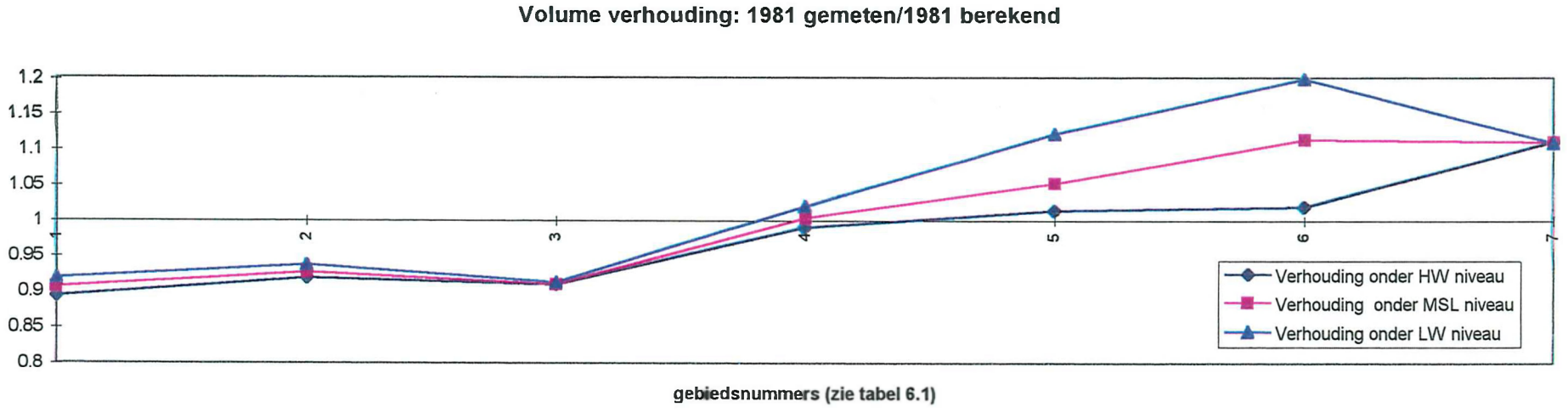
Verhouding tussen vaklengtes gedefinieerd in de 1981 modelschematisatie en in de 1968 modelschematisatie

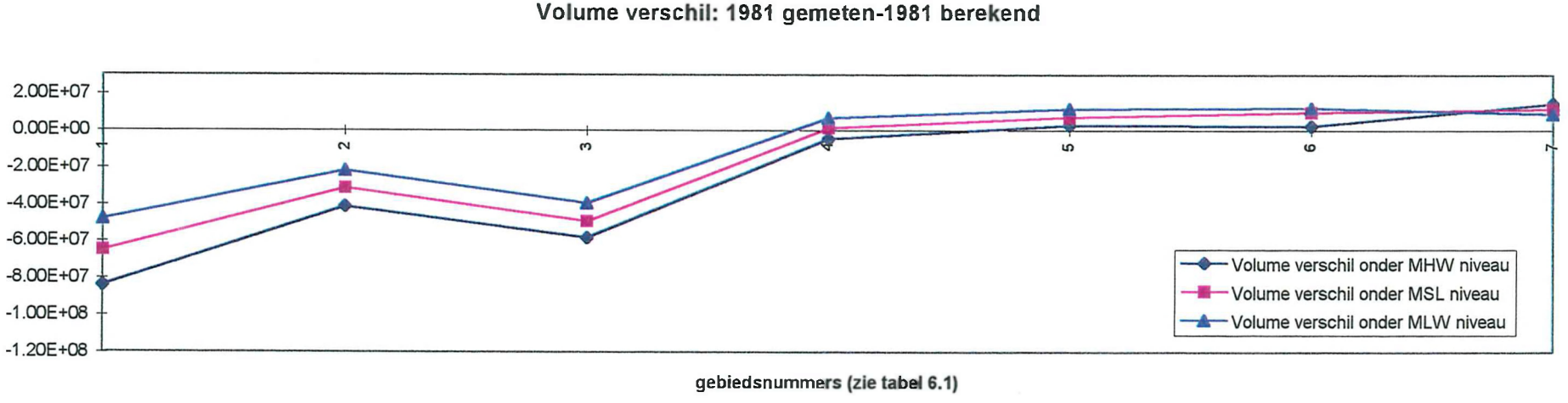
fig. 6.2





Volume verhouding tussen vakvolumes gesimuleerd vanaf 1968-1981 en geschematiseerd vanuit data in 1981 model fig. 6.3





Volume -verhouding en -verschil tussen gebiedvolumes geschematiseerd vanuit data in 1981 model en gesimuleerd vanaf 1968 t/m 1981 fig. 6.4