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Hydraulic Response of Rubble Mound Breakwaters

scale effects - berm breakwaters

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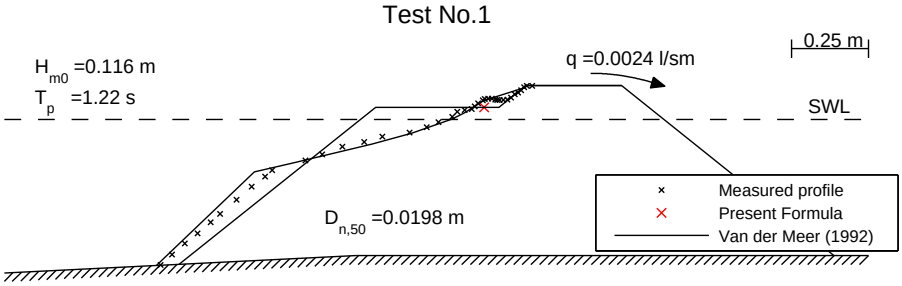
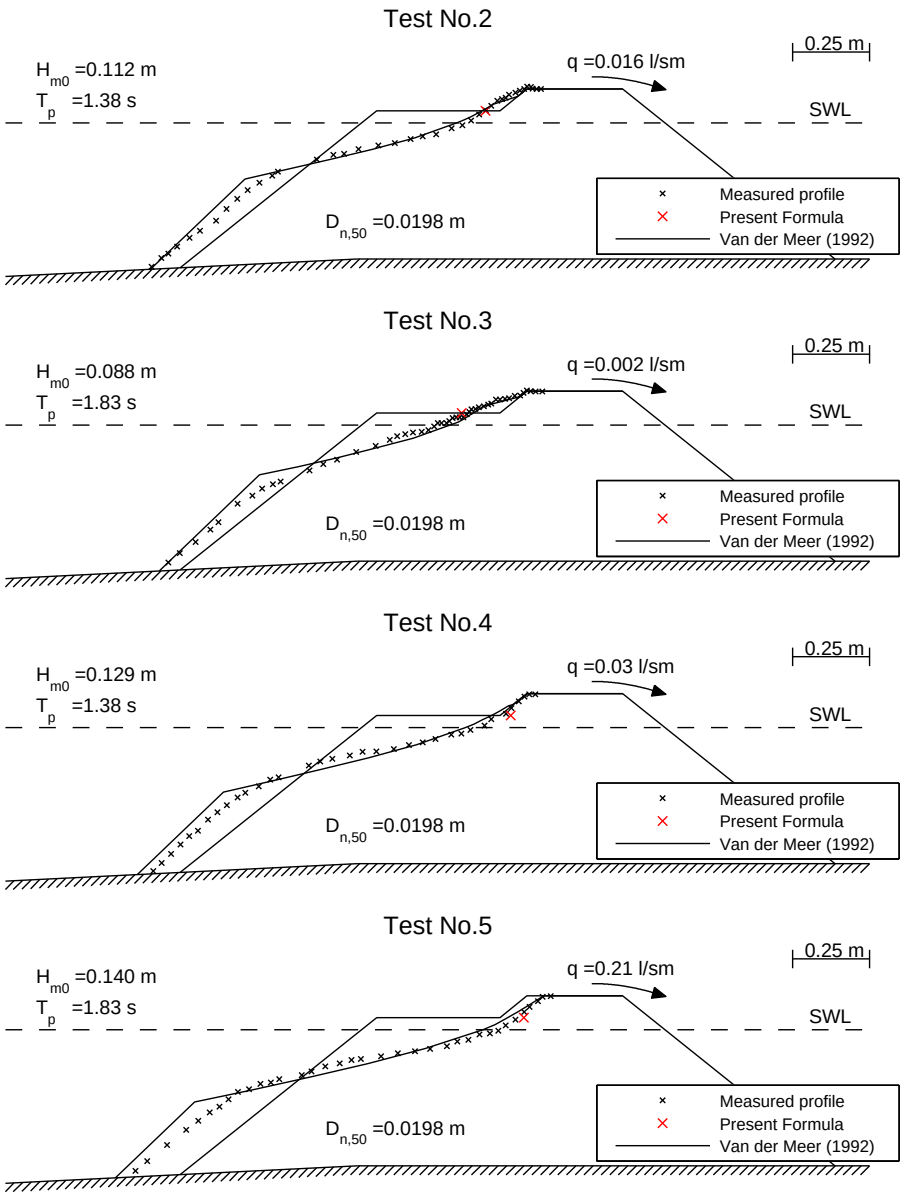
Appendix B

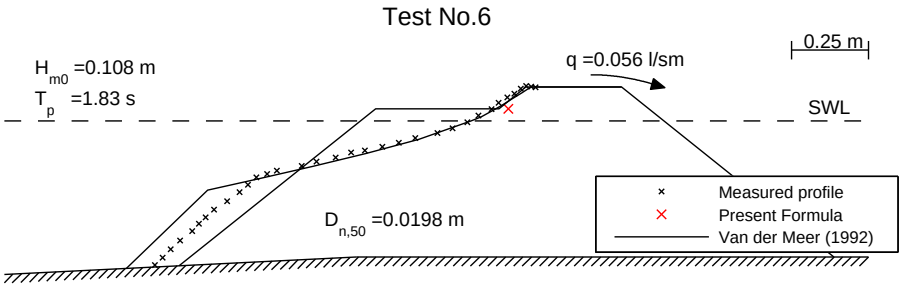
Profile Measurements from Berm Breakwater Tests

In this appendix are given figures with measured and calculated profiles. The main test parameters are also included in the figures. For tests with fixed front the profile was not measured. In tests with Armour 1 the profiles were for each cross-section only measured after completion of a group of sea states, in these cases the range of test numbers performed is given in the figure and the most severe wave parameters are given in the figure.

In the figures are also given profiles calculated by the Van der Meer, 1992 method. In some cases where the structure is very stable, i.e. in cases with a low berm or low stability number, the method did not give a profile. The recession calculated by the the present proposed formula (Eq. 4.34) is marked with a red cross in each figure.




Test No.2
H m0 =0.112 m
T p =1.38 s
q =0.016 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.3
H m0 =0.088 m
T p =1.83 s
q =0.002 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.4
H m0 =0.129 m
T p =1.38 s
q =0.03 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.5
H m0 =0.140 m
T p =1.83 s
q =0.21 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)


Test No.6
H m0 =0.108 m
T p =1.83 s
q =0.056 l/sm
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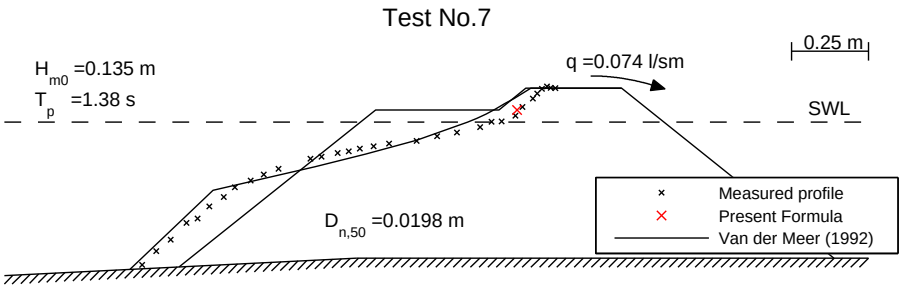
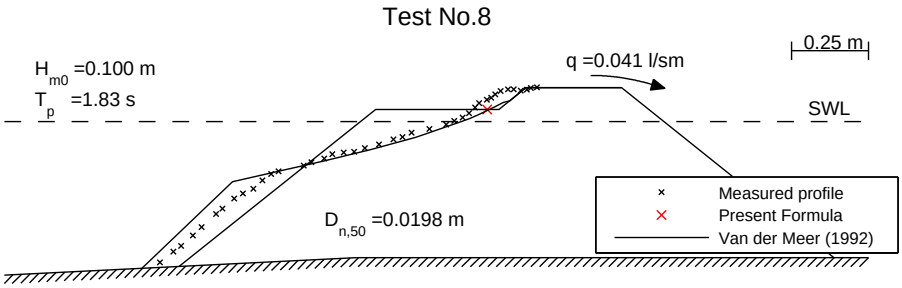
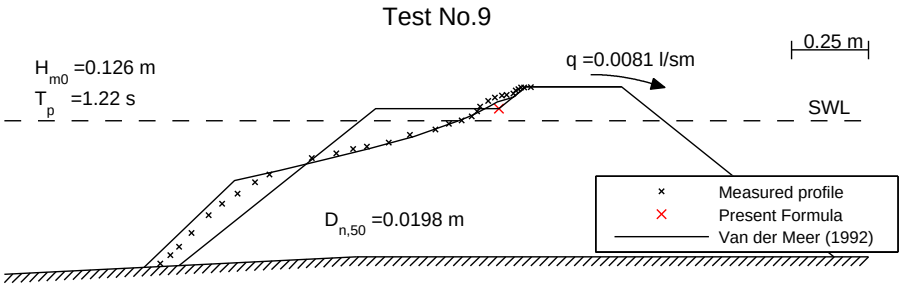
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)


Test No.7
H m0 =0.135 m
T p =1.38 s
q =0.074 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)


Test No.8
H m0 =0.100 m
T p =1.83 s
q =0.041 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)


Test No.9
H m0 =0.126 m
T p =1.22 s
q =0.0081 l/sm
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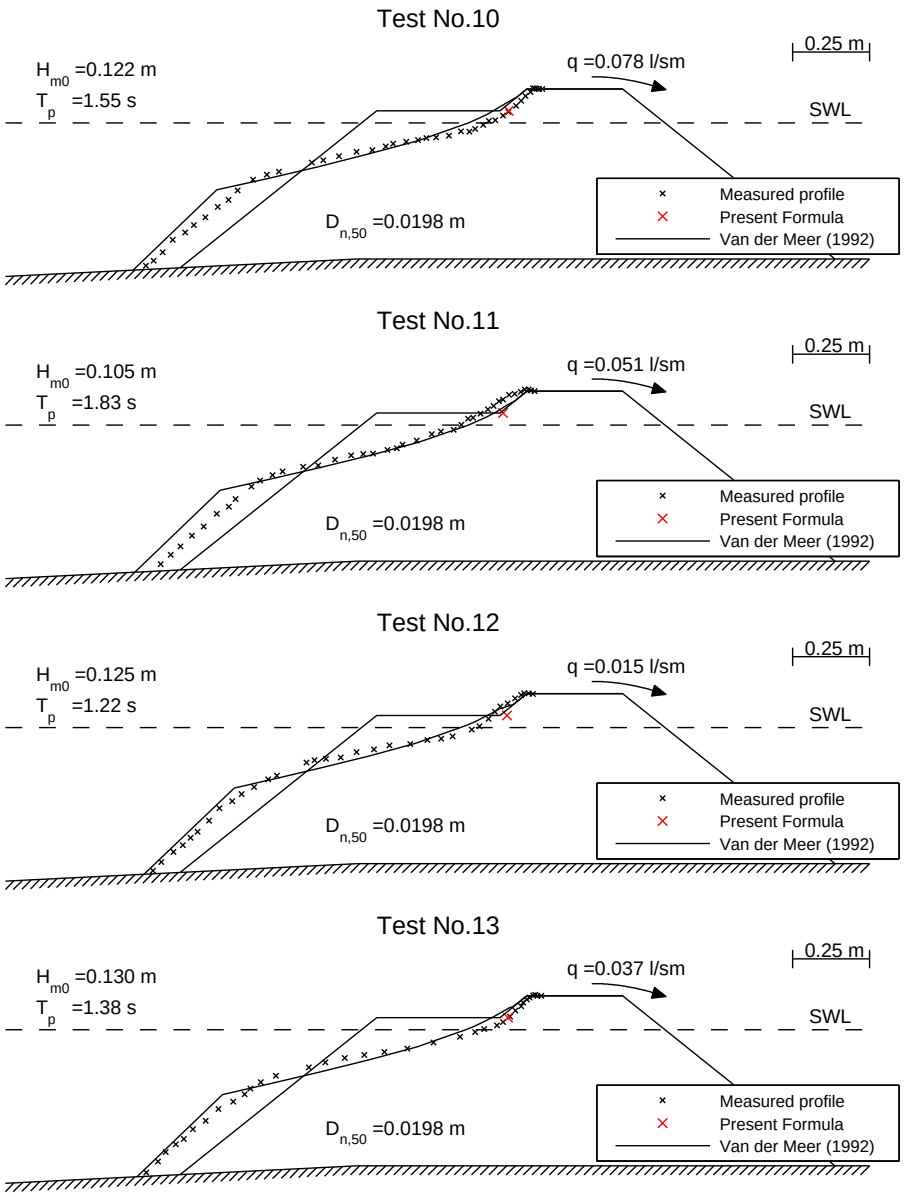
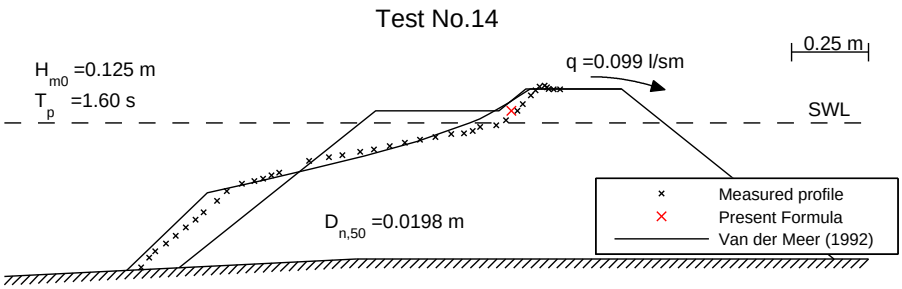
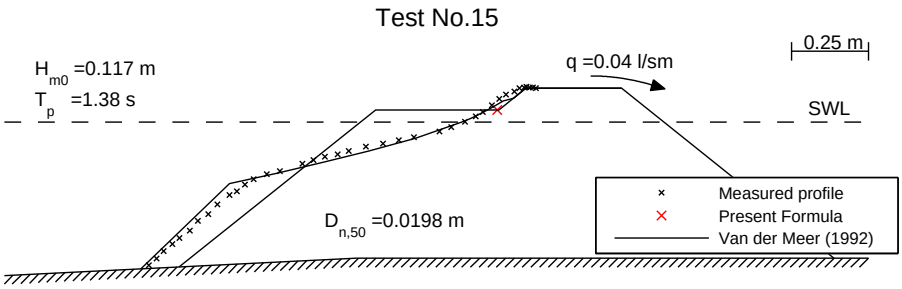
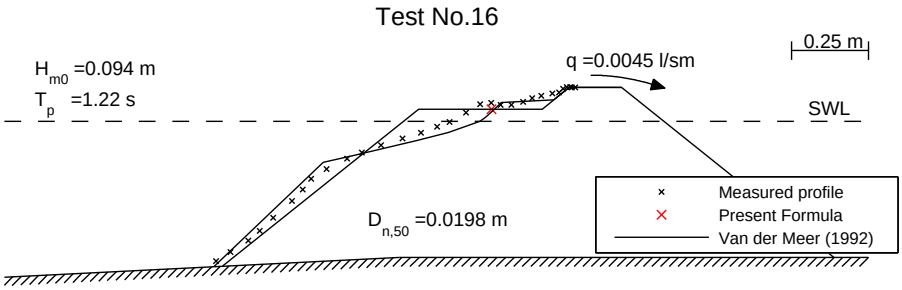
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)


Test No.10
H m0 =0.122 m
T p =1.55 s
q =0.078 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.11
H m0 =0.105 m
T p =1.83 s
q =0.051 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.12
H m0 =0.125 m
T p =1.22 s
q =0.015 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.13
H m0 =0.130 m
T p =1.38 s
q =0.037 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)


Test No.14
H m0 =0.125 m
T p =1.60 s
q =0.099 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)


Test No.15
H m0 =0.117 m
T p =1.38 s
q =0.04 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)


Test No.16
H m0 =0.094 m
T p =1.22 s
q =0.0045 l/sm
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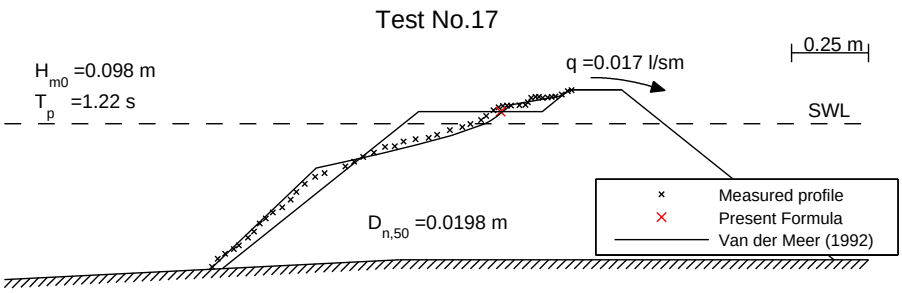
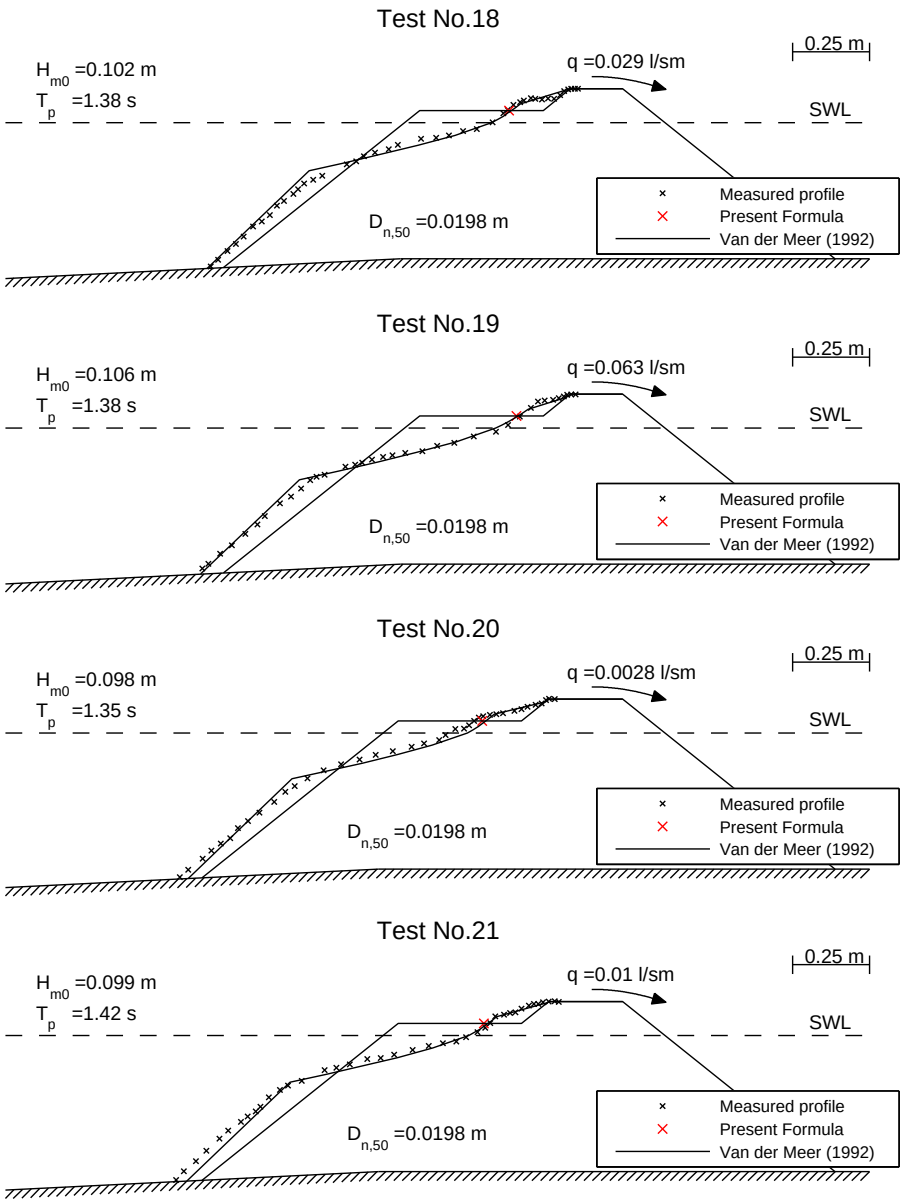
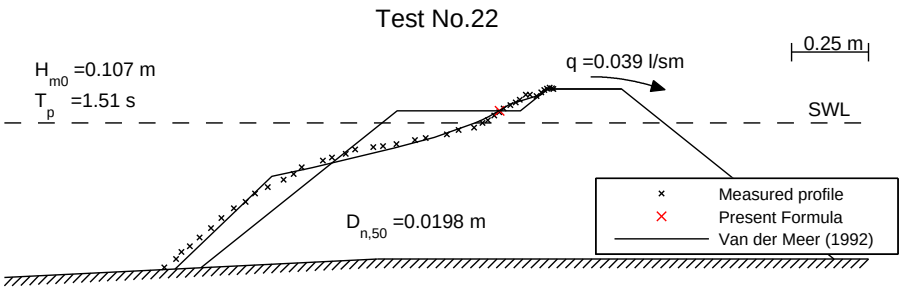
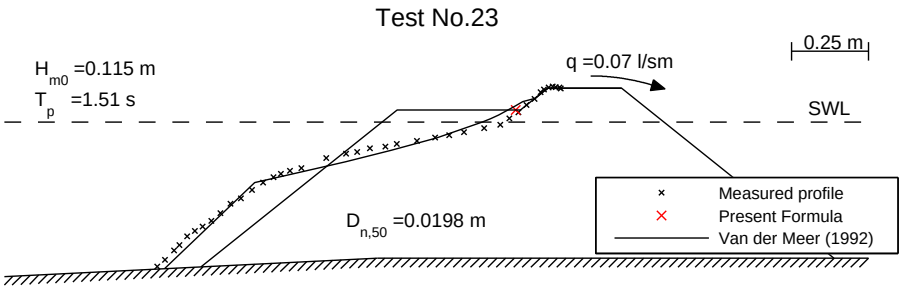
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)


Test No.17
H m0 =0.098 m
T p =1.22 s
q =0.017 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)


Test No.18
H m0 =0.102 m
T p =1.38 s
q =0.029 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.19
H m0 =0.106 m
T p =1.38 s
q =0.063 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.20
H m0 =0.098 m
T p =1.35 s
q =0.0028 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.21
H m0 =0.099 m
T p =1.42 s
q =0.01 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)


Test No.22
H m0 =0.107 m
T p =1.51 s
q =0.039 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)


Test No.23
H m0 =0.115 m
T p =1.51 s
q =0.07 l/sm
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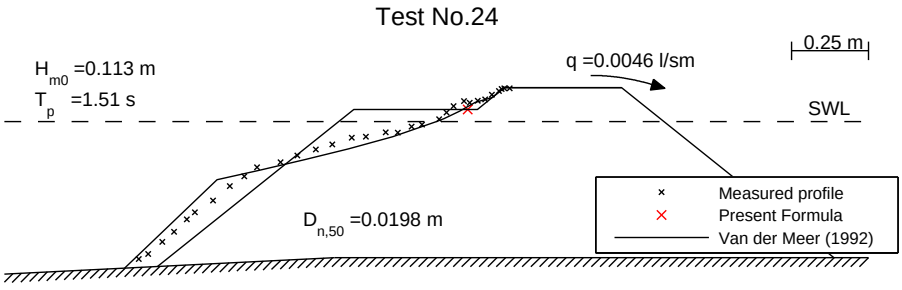
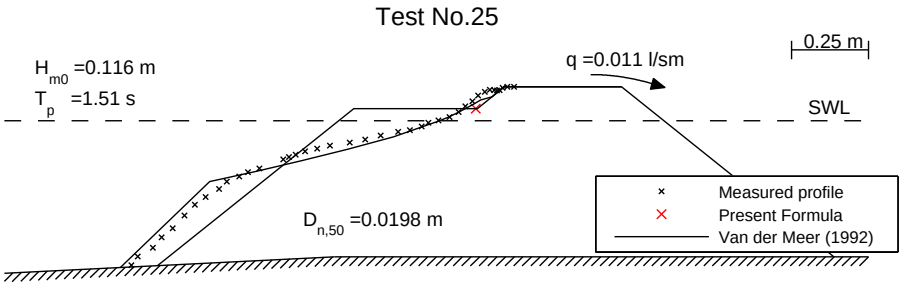
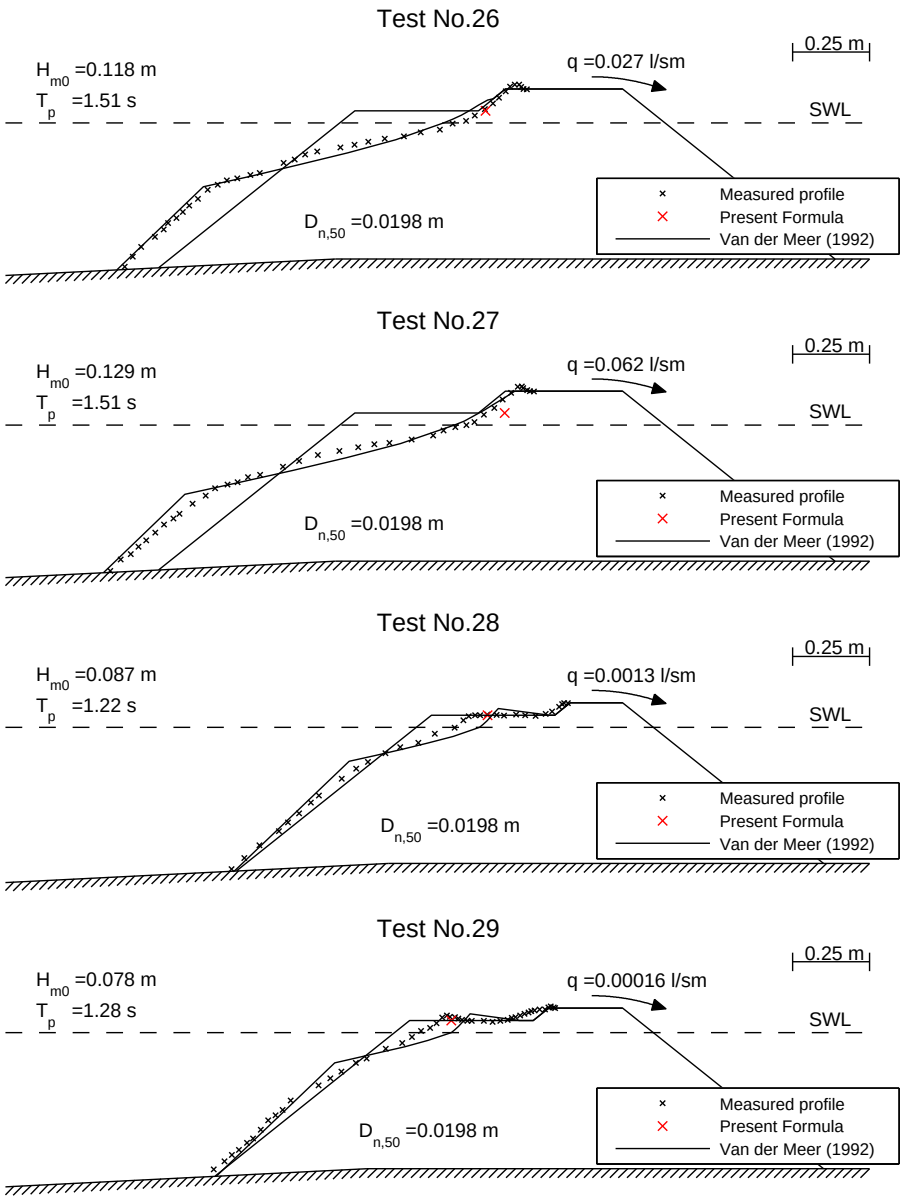
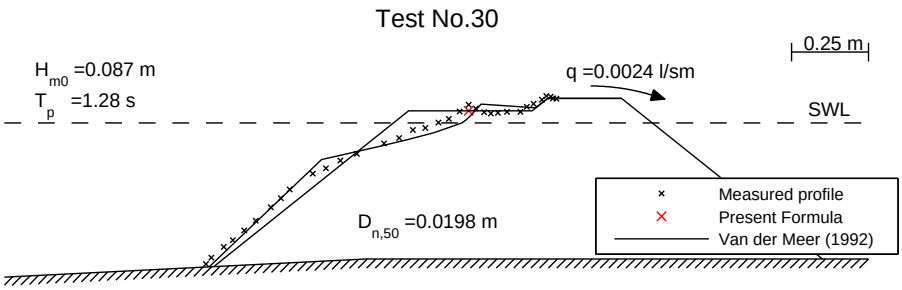
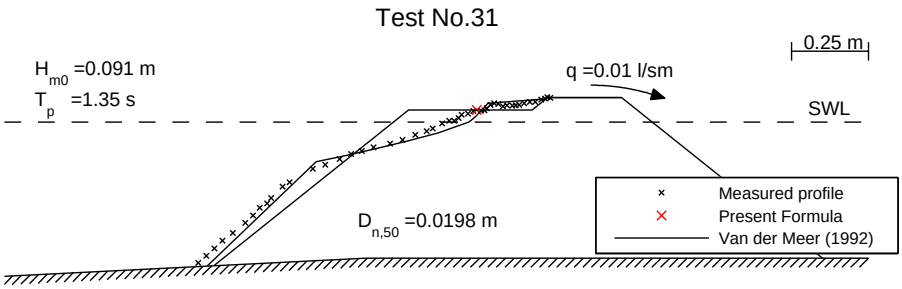
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

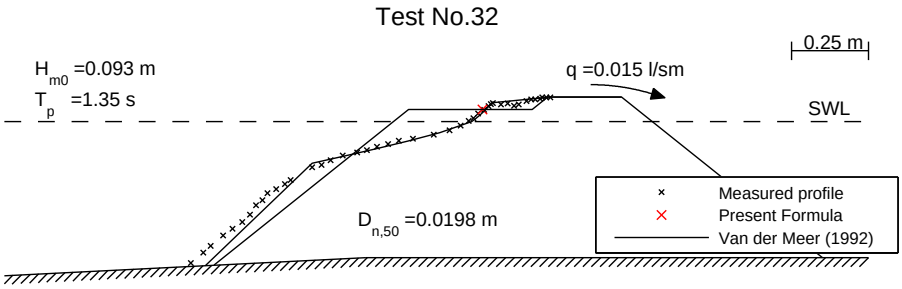

Test No.24
H m0 =0.113 m
T p =1.51 s
q =0.0046 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

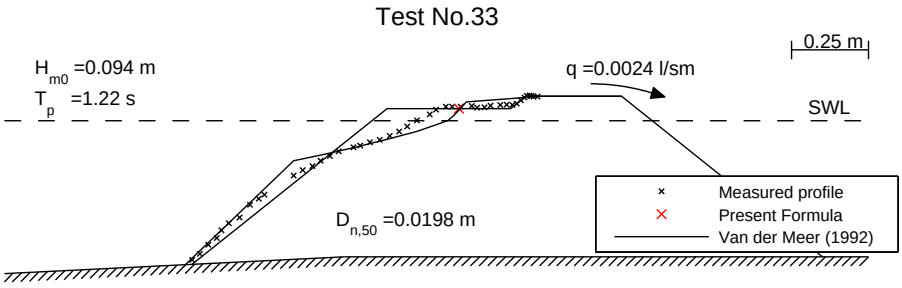

Test No.25
H m0 =0.116 m
T p =1.51 s
q =0.011 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)


Test No.26
H m0 =0.118 m
T p =1.51 s
q =0.027 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.27
H m0 =0.129 m
T p =1.51 s
q =0.062 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.28
H m0 =0.087 m
T p =1.22 s
q =0.0013 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.29
H m0 =0.078 m
T p =1.28 s
q =0.00016 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)


Test No.30
0.25 m
H m0 =0.087 m
T p =1.28 s
q =0.0024 l/sm
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)


Test No.31
0.25 m
H m0 =0.091 m
T p =1.35 s
q =0.01 l/sm
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)


Test No.32
0.25 m
H m0 =0.093 m
T p =1.35 s
q =0.015 l/sm
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)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0.25 m
H m0 =0.094 m
T p =1.22 s
q =0.0024 l/sm
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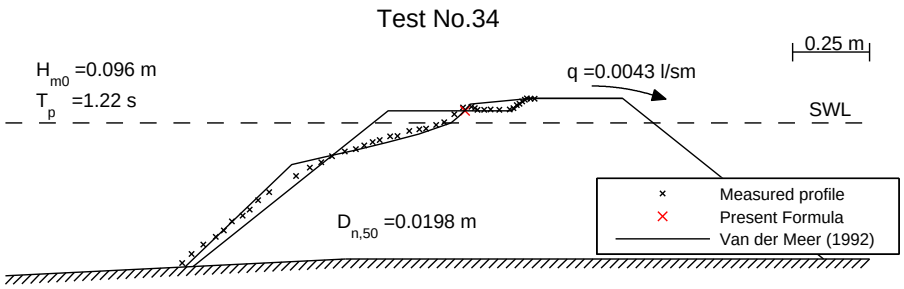
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)


Test No.34
0.25 m
H m0 =0.096 m
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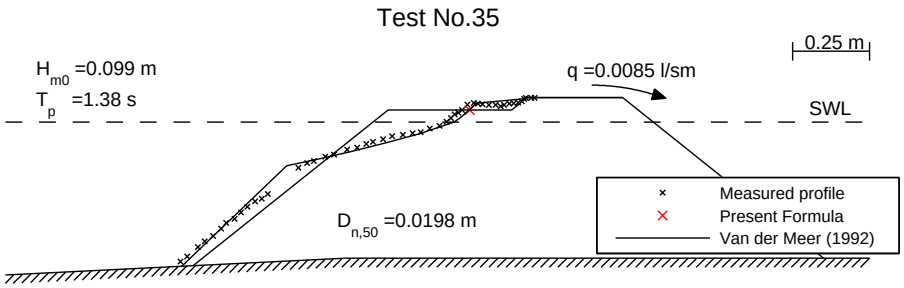
q =0.0043 l/sm
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)


Test No.35
0.25 m
H m0 =0.099 m
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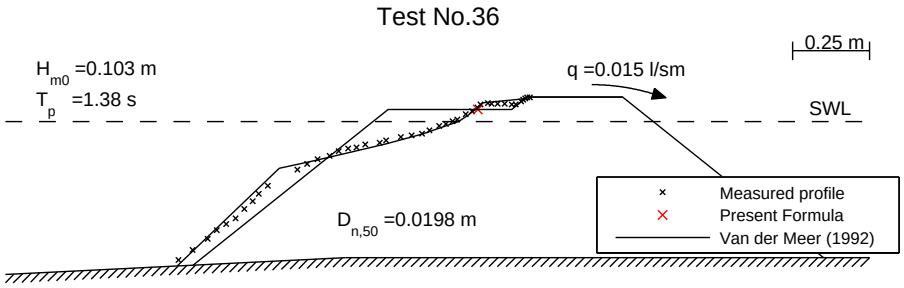
q =0.0085 l/sm
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)


Test No.36
0.25 m
H m0 =0.103 m
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q =0.015 l/sm
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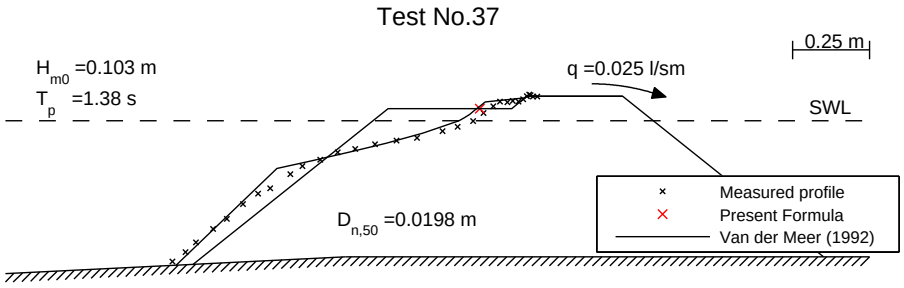
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)


Test No.37
0.25 m
H m0 =0.103 m
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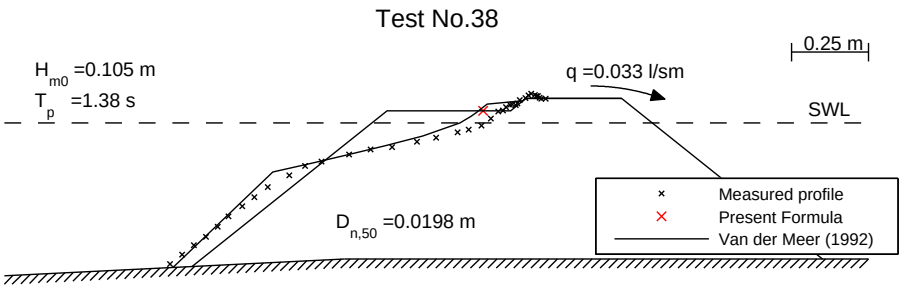
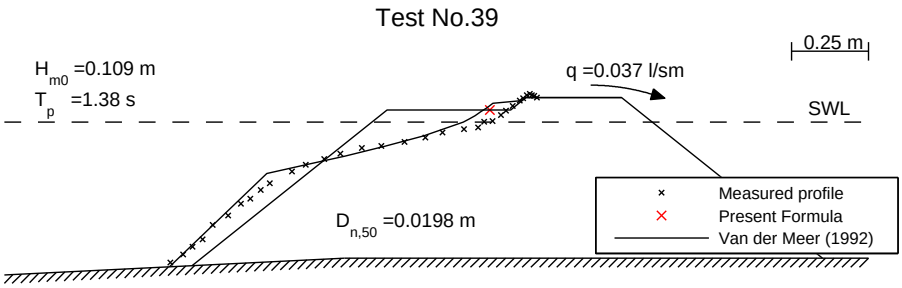
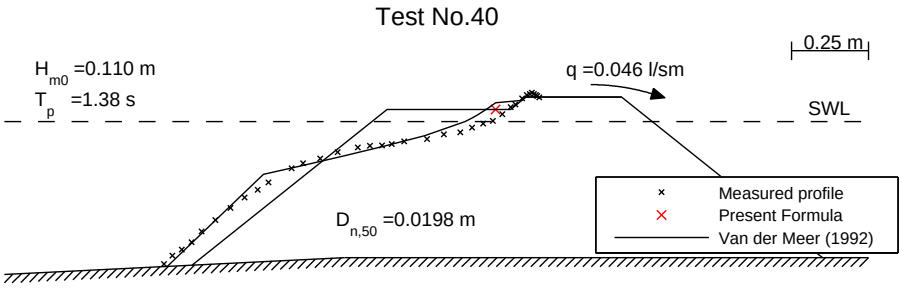
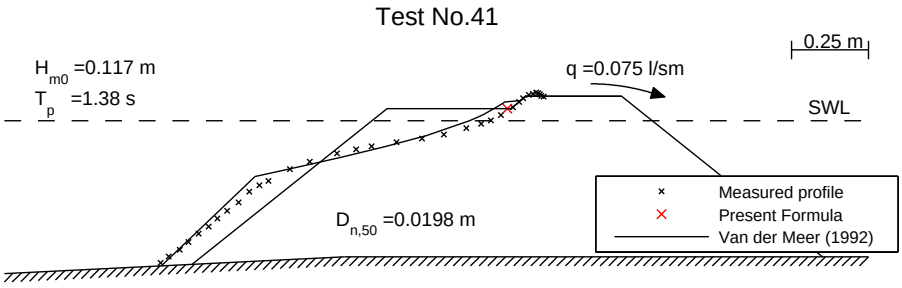
q =0.025 l/sm
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)


Test No.38
0.25 m
H m0 =0.105 m
T p =1.38 s
q =0.033 l/sm
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)


Test No.39
0.25 m
H m0 =0.109 m
T p =1.38 s
q =0.037 l/sm
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)


Test No.40
0.25 m
H m0 =0.110 m
T p =1.38 s
q =0.046 l/sm
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)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0.25 m
H m0 =0.117 m
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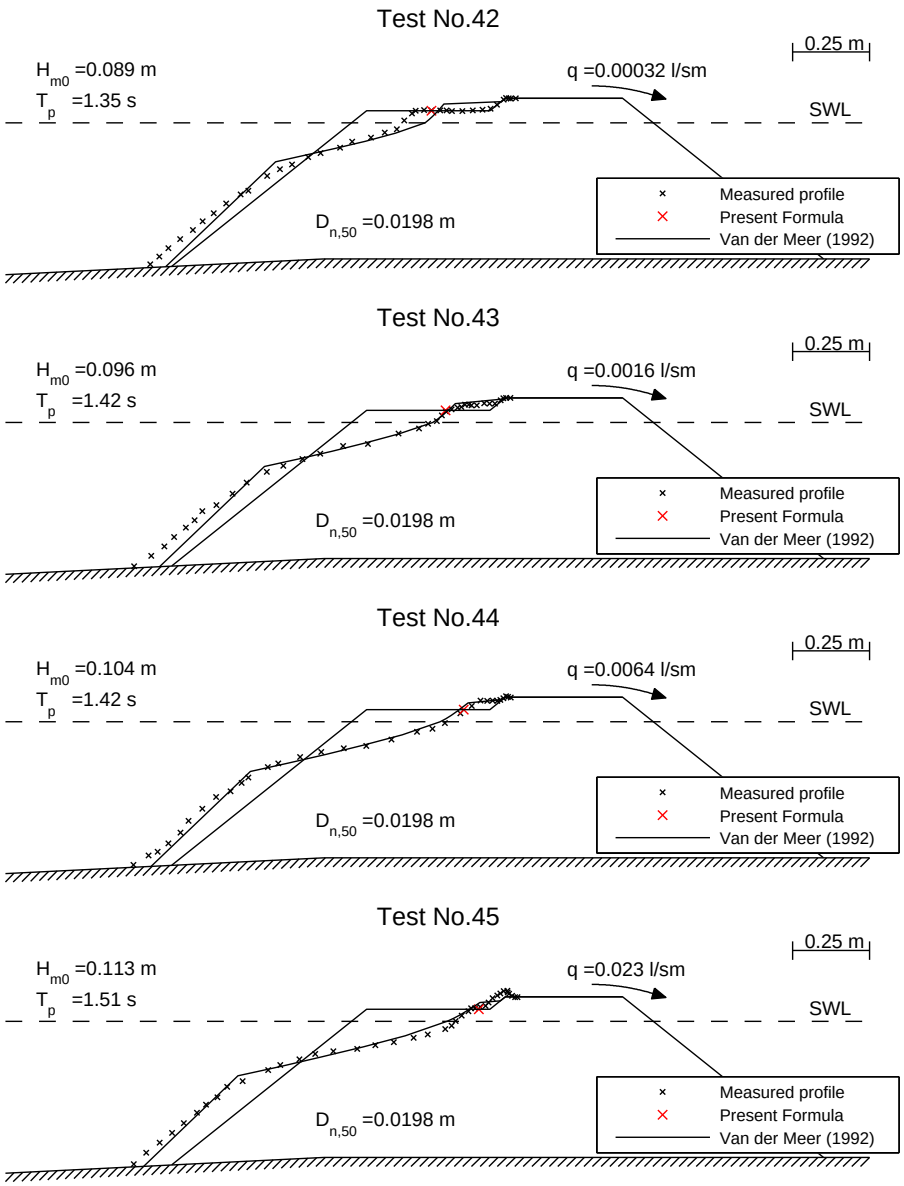
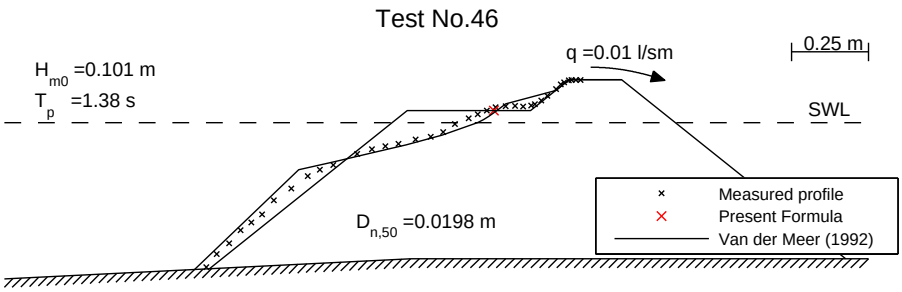
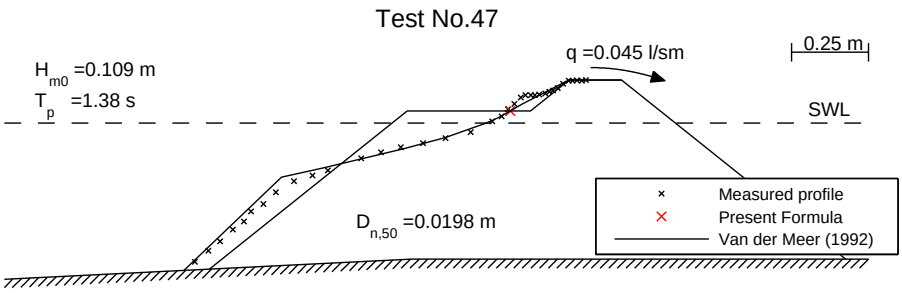
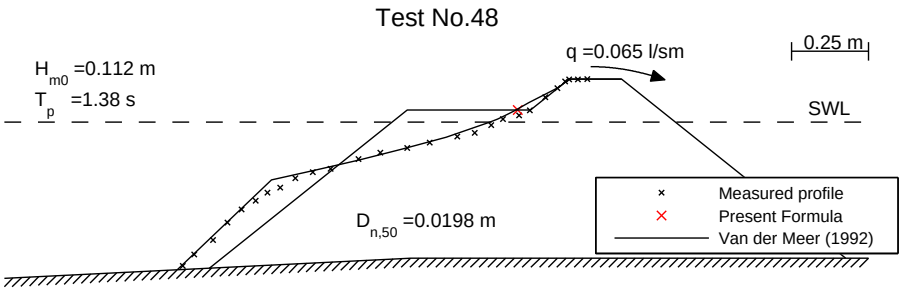
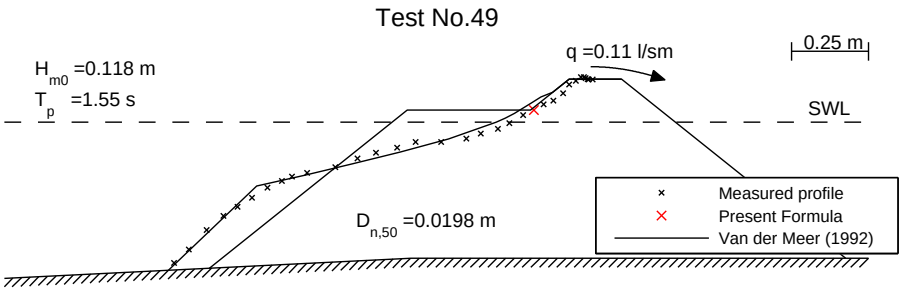
q =0.075 l/sm
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

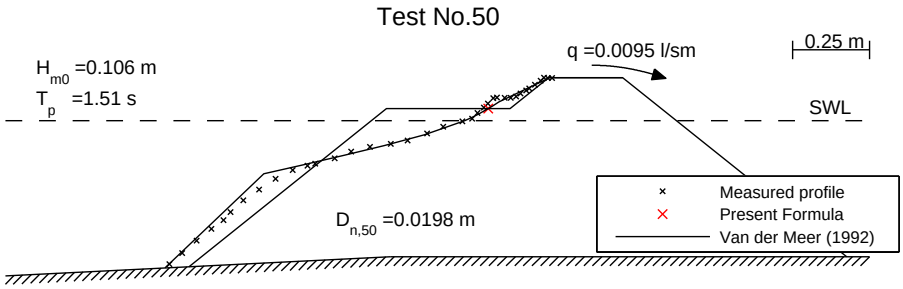

Test No.42
0.25 m
H m0 =0.089 m
T p =1.35 s
q =0.00032 l/sm
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.43
0.25 m
H m0 =0.096 m
T p =1.42 s
q =0.0016 l/sm
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.44
0.25 m
H m0 =0.104 m
T p =1.42 s
q =0.0064 l/sm
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.45
0.25 m
H m0 =0.113 m
T p =1.51 s
q =0.023 l/sm
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

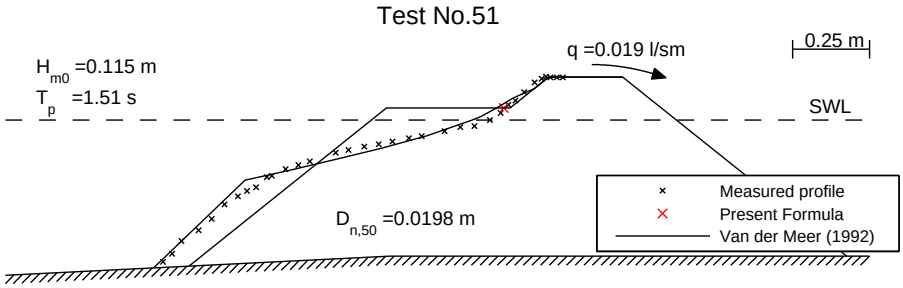

Test No.46
H m0 =0.101 m
T p =1.38 s
q =0.01 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

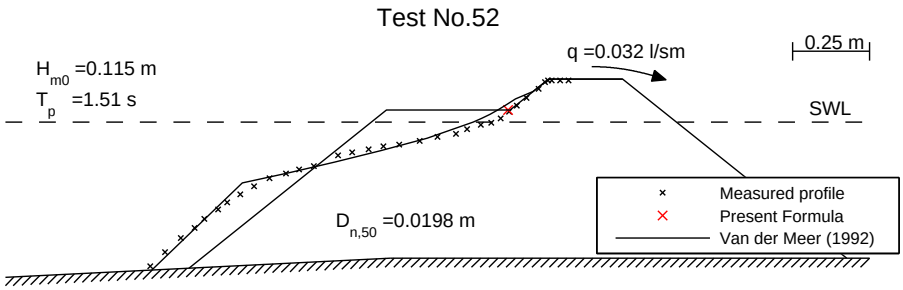

Test No.47
H m0 =0.109 m
T p =1.38 s
q =0.045 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

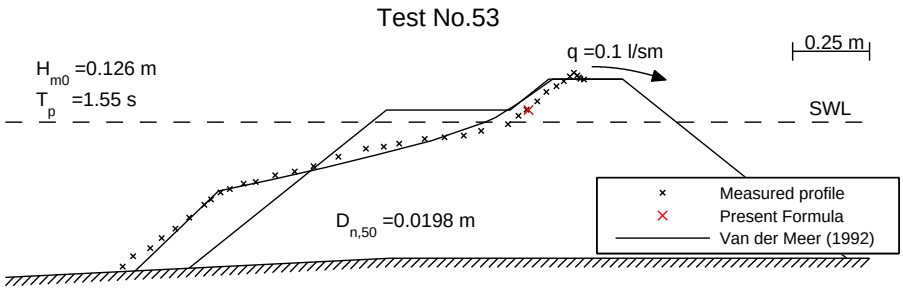

Test No.48
H m0 =0.112 m
T p =1.38 s
q =0.065 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

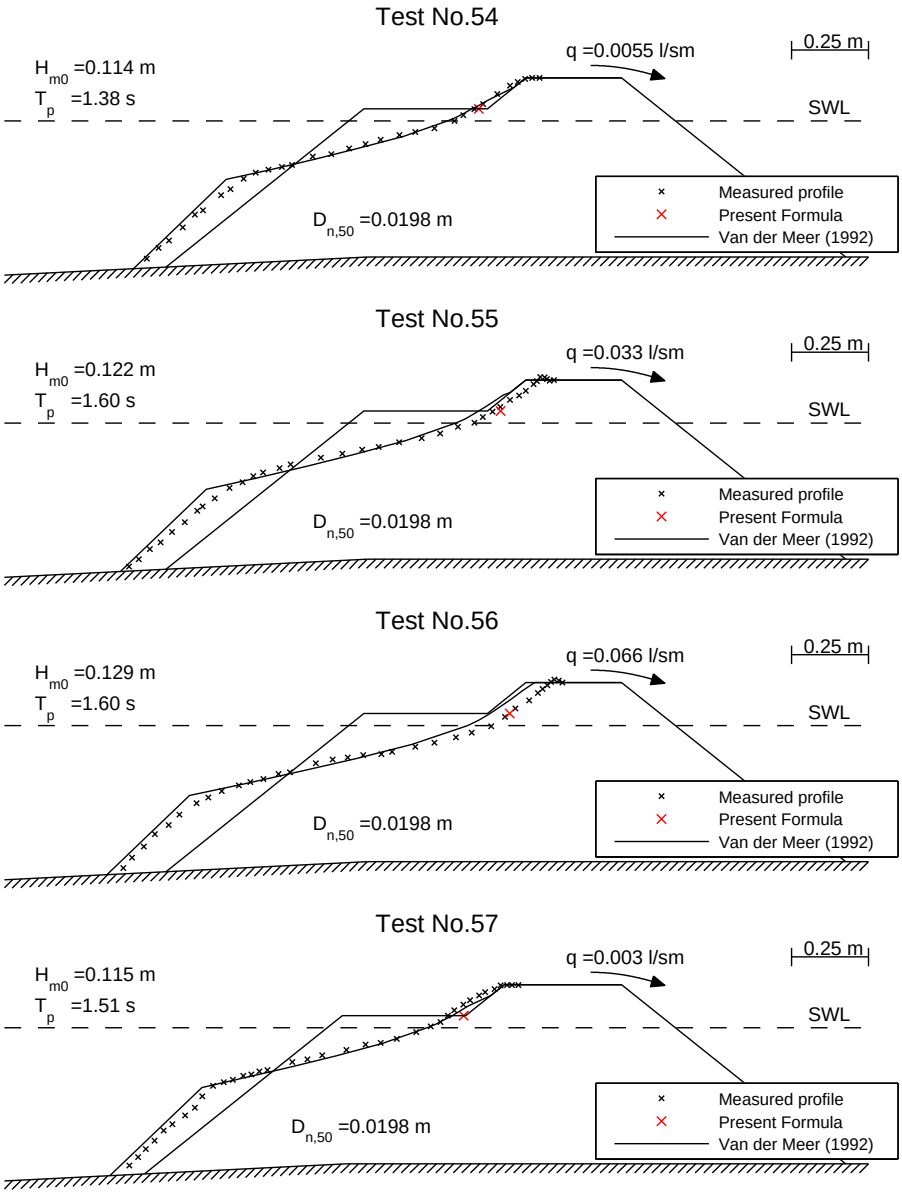

Test No.49
H m0 =0.118 m
T p =1.55 s
q =0.11 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

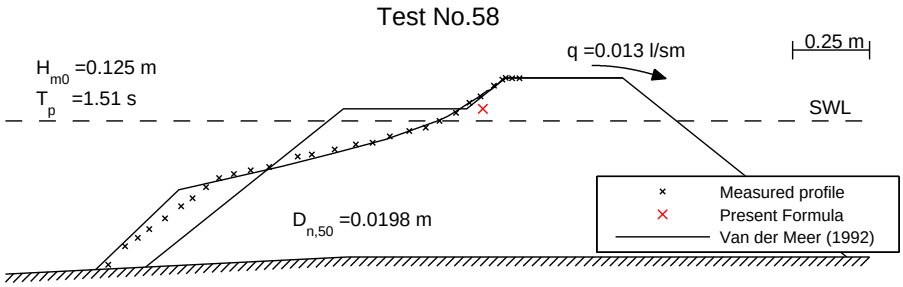

Test No.50
q =0.0095 l/sm
0.25 m
H m0 =0.106 m
T p =1.51 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

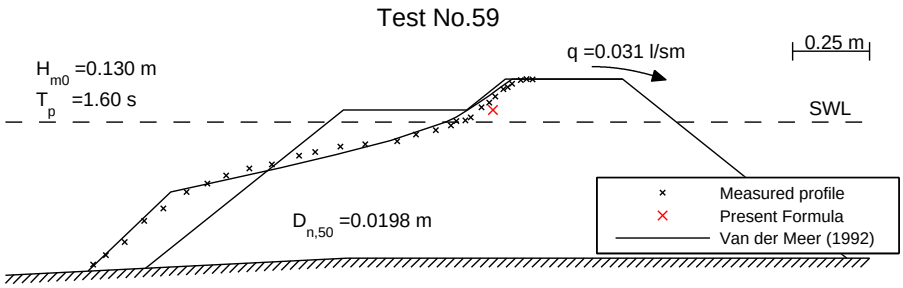

Test No.51
q =0.019 l/sm
0.25 m
H m0 =0.115 m
T p =1.51 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

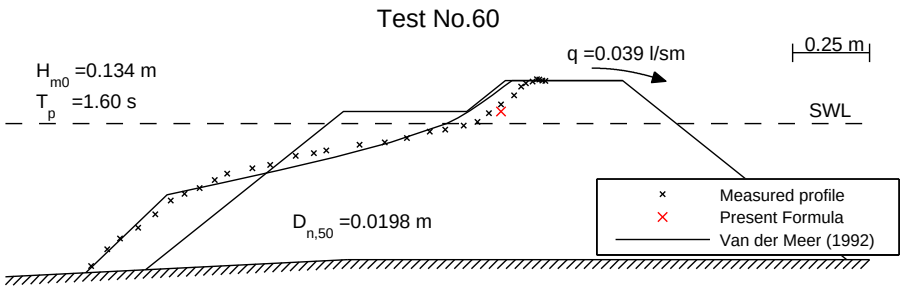

Test No.52
q =0.032 l/sm
0.25 m
H m0 =0.115 m
T p =1.51 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

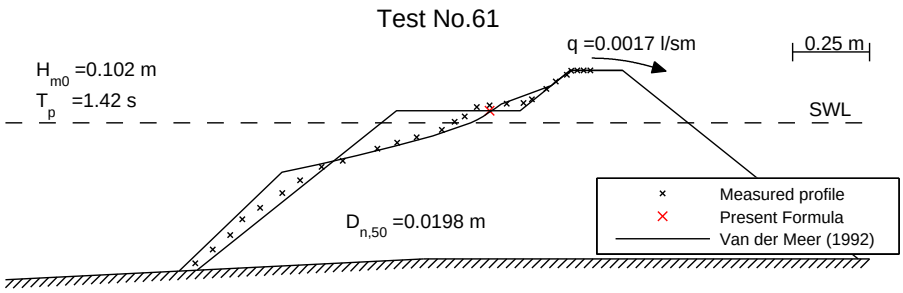

Test No.53
q =0.1 l/sm
0.25 m
H m0 =0.126 m
T p =1.55 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

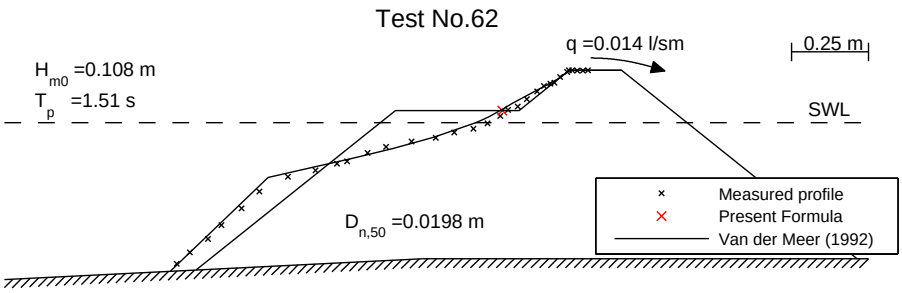

Test No.54
H m0 =0.114 m
T p =1.38 s
q =0.0055 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.55
H m0 =0.122 m
T p =1.60 s
q =0.033 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.56
H m0 =0.129 m
T p =1.60 s
q =0.066 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.57
H m0 =0.115 m
T p =1.51 s
q =0.003 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

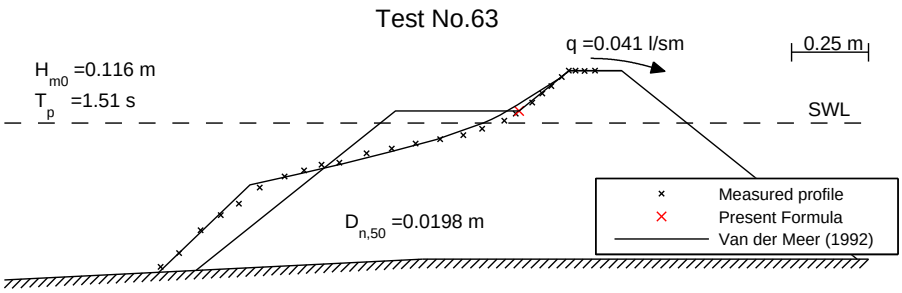

Test No.58
q =0.013 l/sm
0.25 m
H m0 =0.125 m
T p =1.51 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

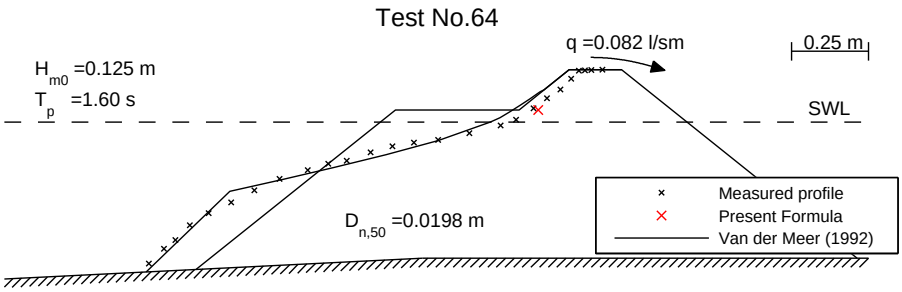

Test No.59
q =0.031 l/sm
0.25 m
H m0 =0.130 m
T p =1.60 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

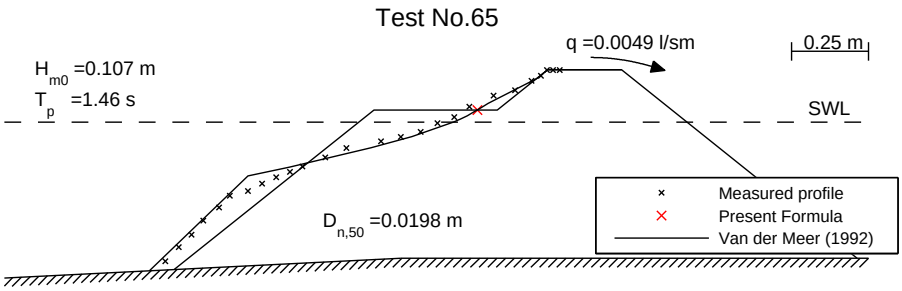

Test No.60
q =0.039 l/sm
0.25 m
H m0 =0.134 m
T p =1.60 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

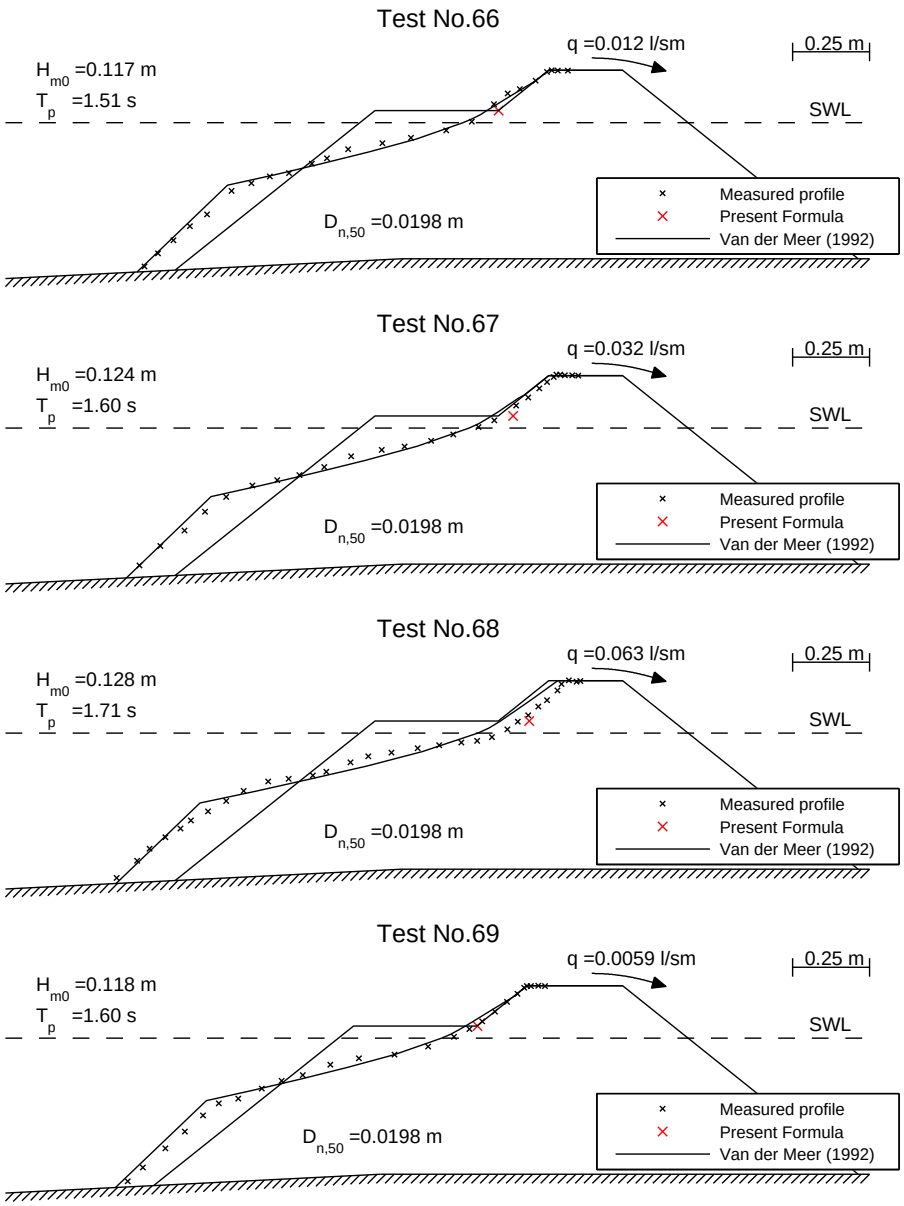

Test No.61
q =0.0017 l/sm
0.25 m
H m0 =0.102 m
T p =1.42 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

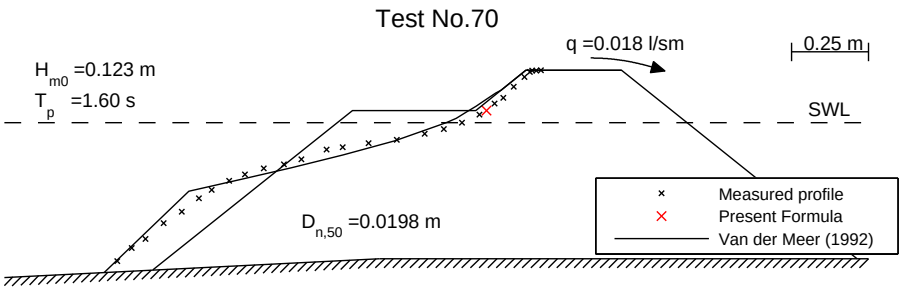

Test No.62
q =0.014 l/sm
0.25 m
H m0 =0.108 m
T p =1.51 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

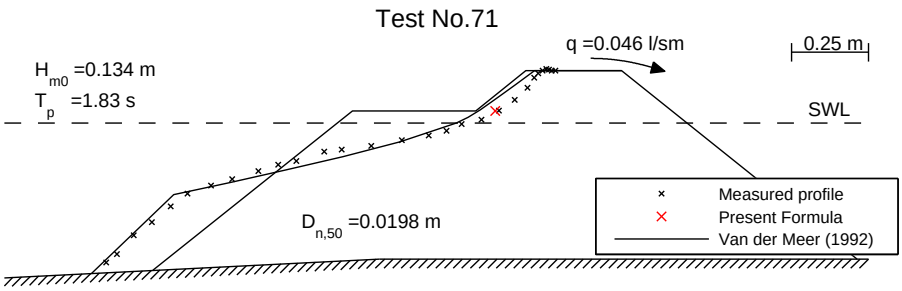

Test No.63
q =0.041 l/sm
0.25 m
H m0 =0.116 m
T p =1.51 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

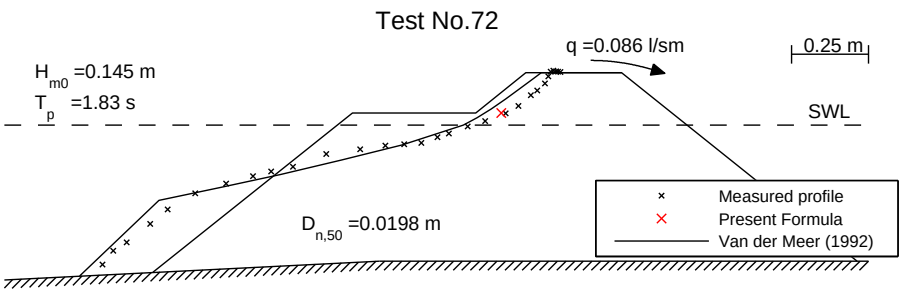

Test No.64
q =0.082 l/sm
0.25 m
H m0 =0.125 m
T p =1.60 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

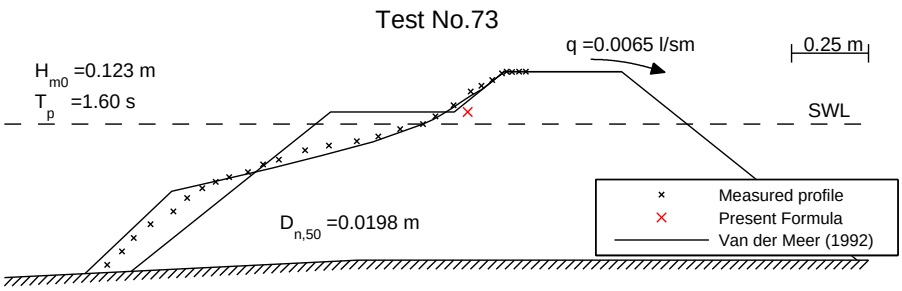

Test No.65
q =0.0049 l/sm
0.25 m
H m0 =0.107 m
T p =1.46 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

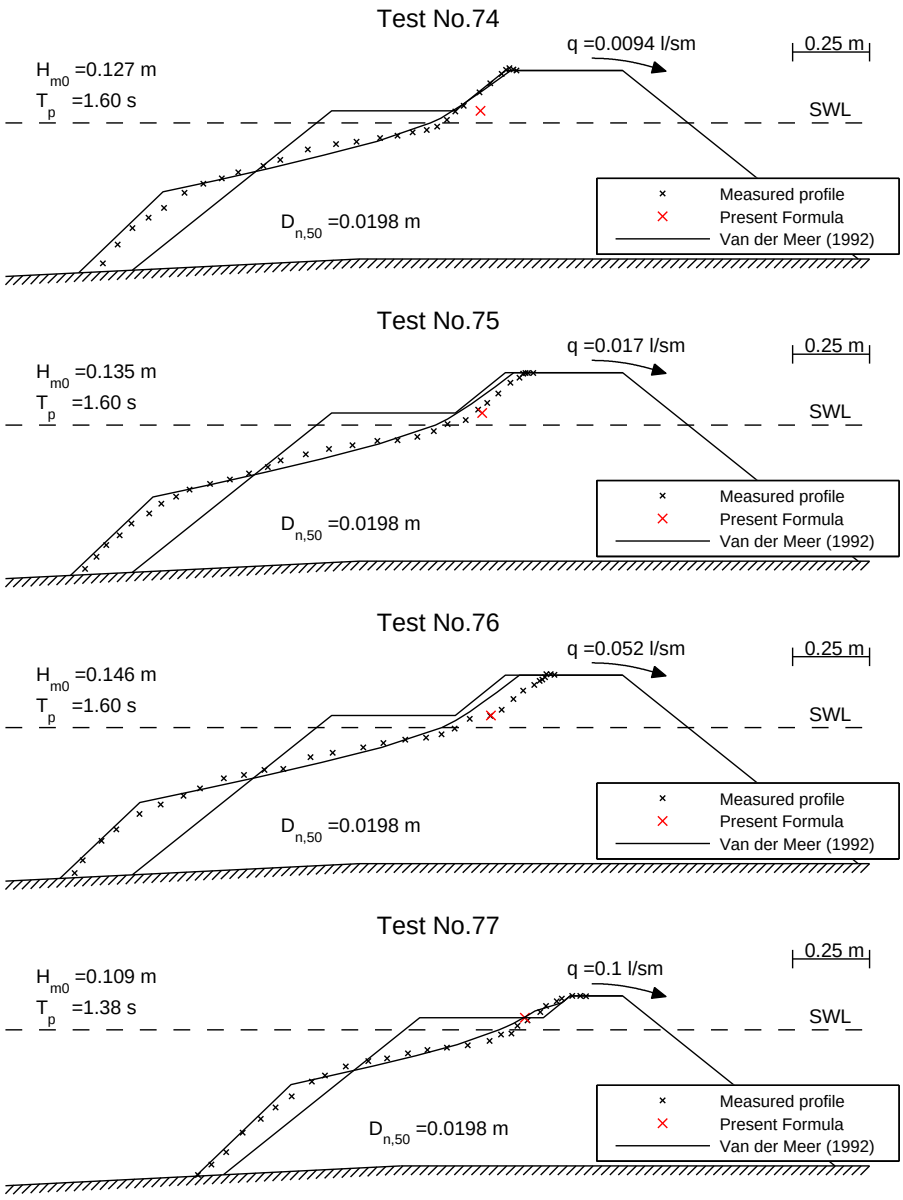

Test No.66
q =0.012 l/sm
0.25 m
H m0 =0.117 m
T p =1.51 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.67
q =0.032 l/sm
0.25 m
H m0 =0.124 m
T p =1.60 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.68
q =0.063 l/sm
0.25 m
H m0 =0.128 m
T p =1.71 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.69
q =0.0059 l/sm
0.25 m
H m0 =0.118 m
T p =1.60 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

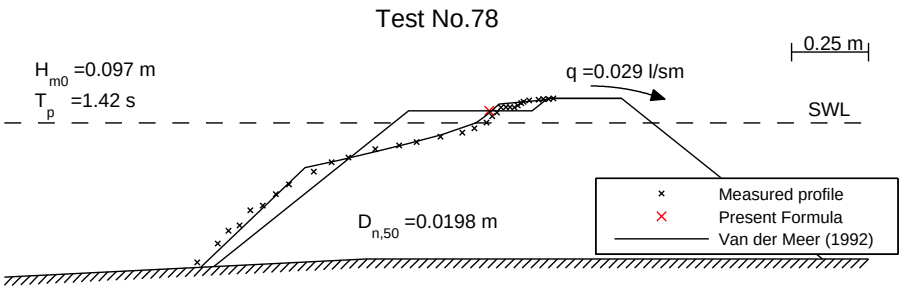

Test No.70
q =0.018 l/sm
0.25 m
H m0 =0.123 m
T p =1.60 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

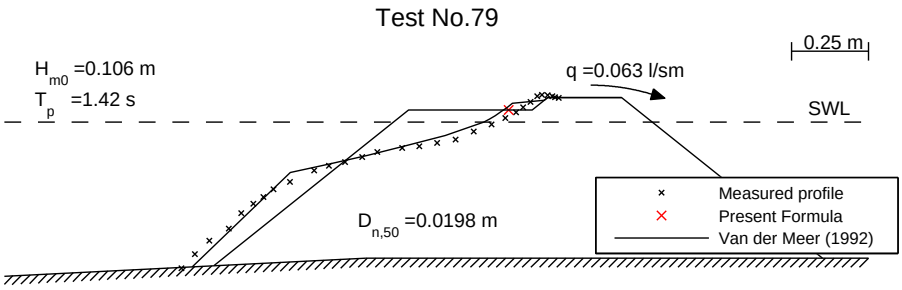

Test No.71
q =0.046 l/sm
0.25 m
H m0 =0.134 m
T p =1.83 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

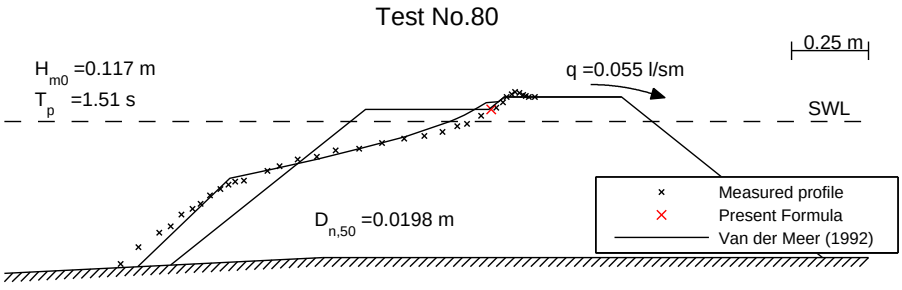

Test No.72
q =0.086 l/sm
0.25 m
H m0 =0.145 m
T p =1.83 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

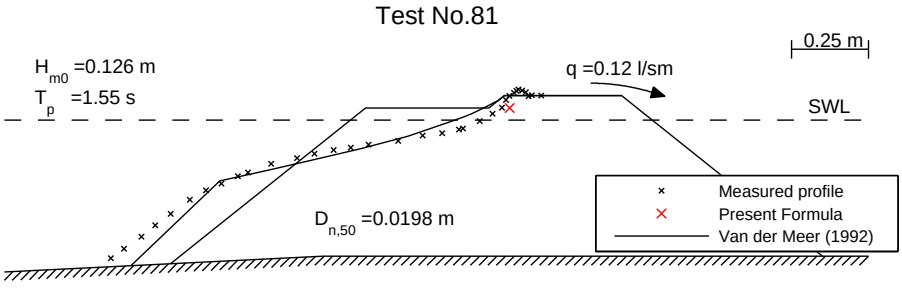

Test No.73
q =0.0065 l/sm
0.25 m
H m0 =0.123 m
T p =1.60 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

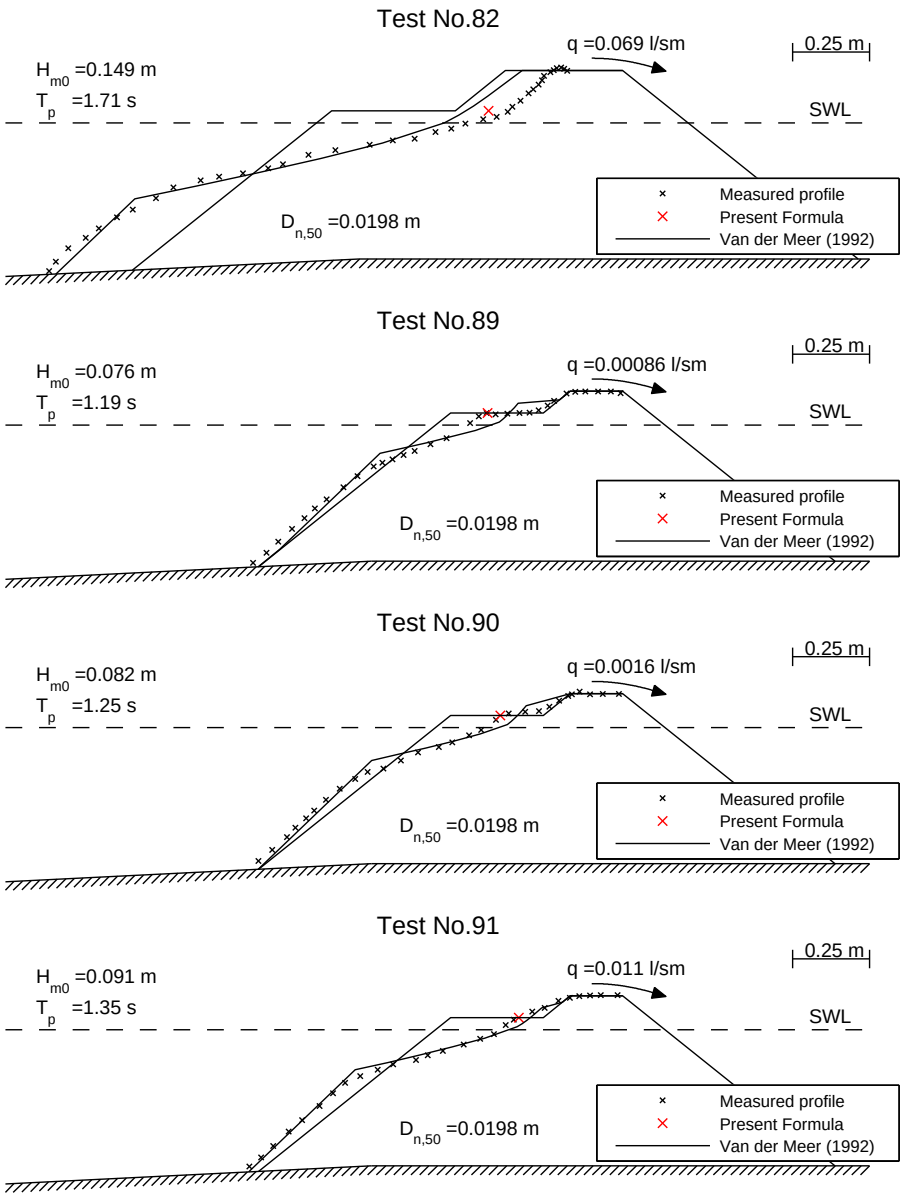

Test No.74
q =0.0094 l/sm
0.25 m
H m0 =0.127 m
T p =1.60 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.75
q =0.017 l/sm
0.25 m
H m0 =0.135 m
T p =1.60 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.76
q =0.052 l/sm
0.25 m
H m0 =0.146 m
T p =1.60 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.77
0.25 m
q =0.1 l/sm
H m0 =0.109 m
T p =1.38 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

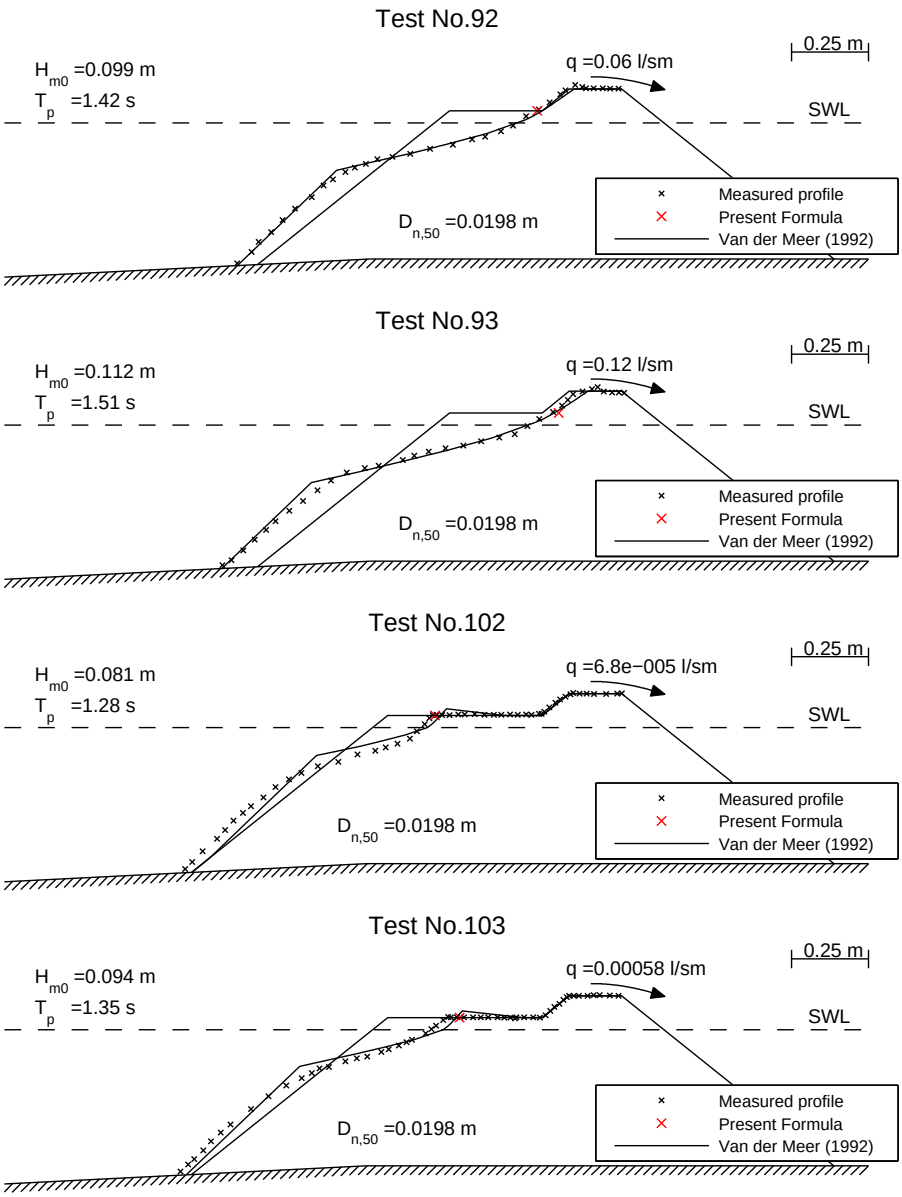

Test No.78
0.25 m
H m0 =0.097 m
T p =1.42 s
q =0.029 l/sm
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

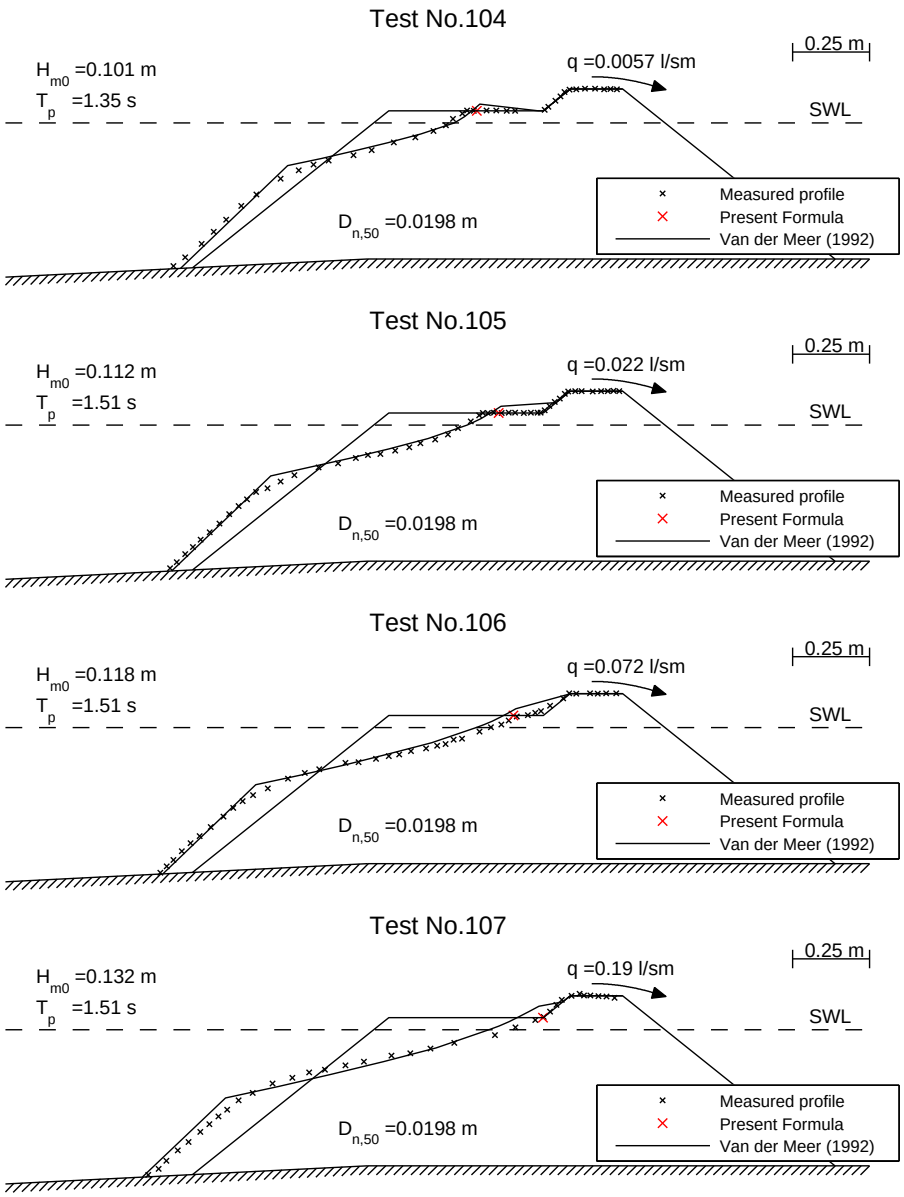

Test No.79
0.25 m
H m0 =0.106 m
T p =1.42 s
q =0.063 l/sm
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

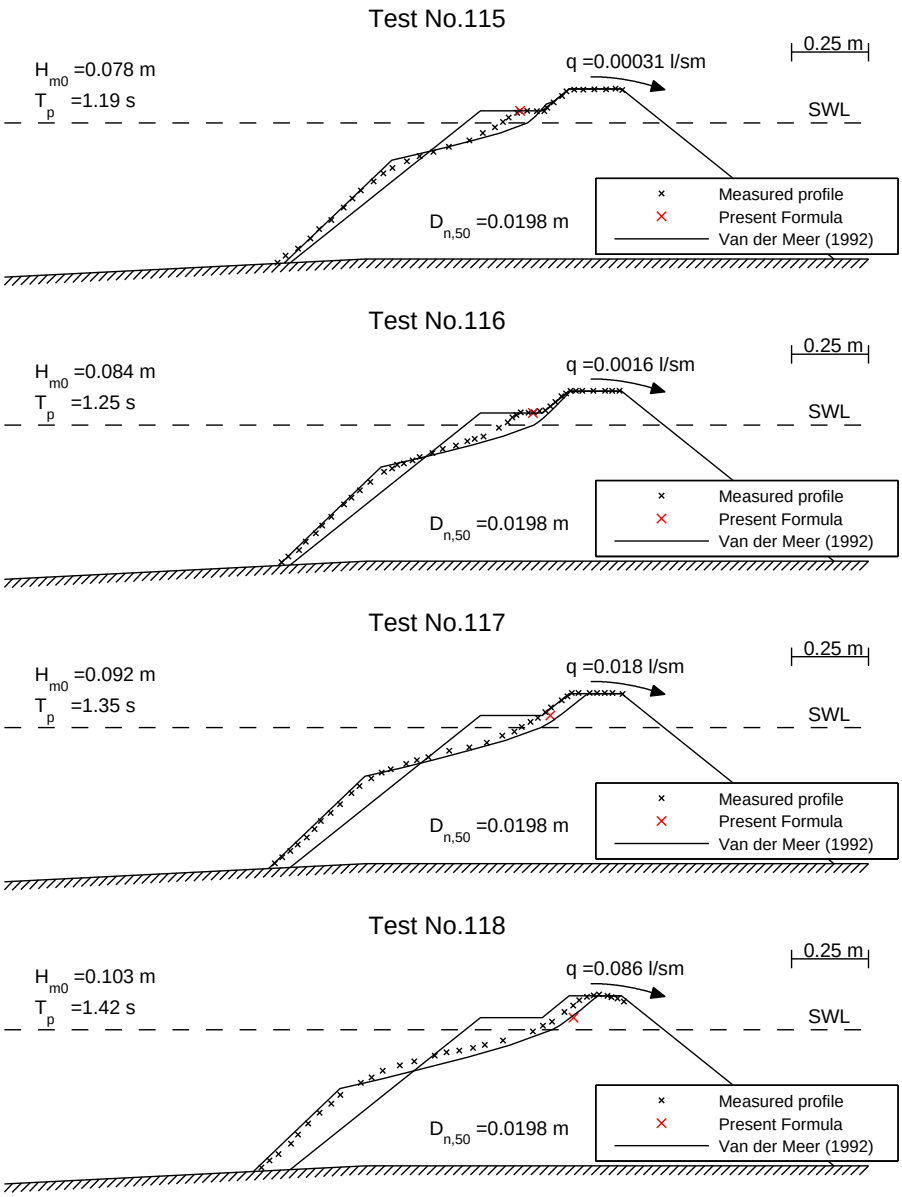

Test No.80
0.25 m
H m0 =0.117 m
T p =1.51 s
q =0.055 l/sm
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

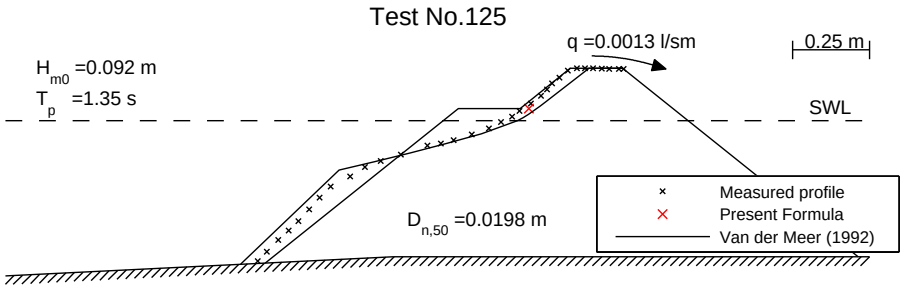

Test No.81
0.25 m
H m0 =0.126 m
T p =1.55 s
q =0.12 l/sm
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

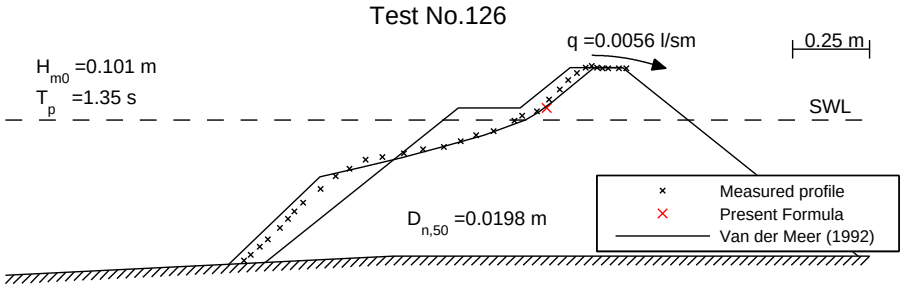

Test No.82
q =0.069 l/sm
0.25 m
H m0 =0.149 m
T p =1.71 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.89
0.25 m
q =0.00086 l/sm
H m0 =0.076 m
T p =1.19 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.90
0.25 m
q =0.0016 l/sm
H m0 =0.082 m
T p =1.25 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.91
0.25 m
q =0.011 l/sm
H m0 =0.091 m
T p =1.35 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

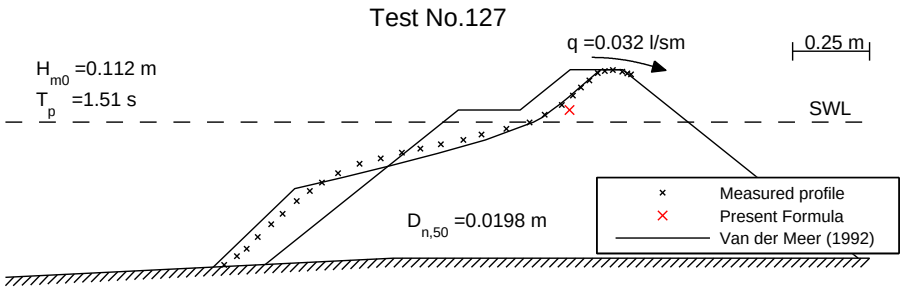

Test No.92
H m0 =0.099 m
T p =1.42 s
q =0.06 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.93
H m0 =0.112 m
T p =1.51 s
q =0.12 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.102
H m0 =0.081 m
T p =1.28 s
q =6.8e−005 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.103
H m0 =0.094 m
T p =1.35 s
q =0.00058 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

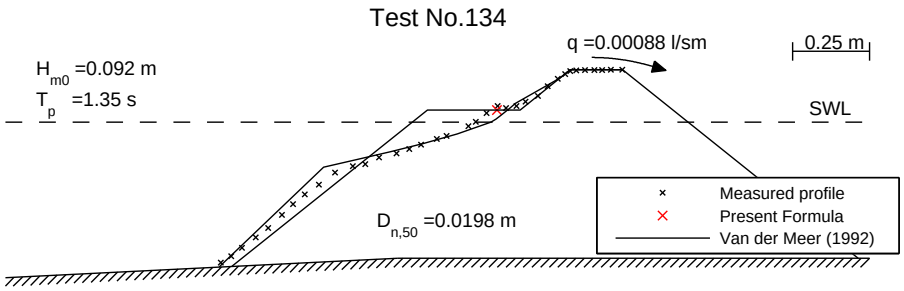

Test No.104
H m0 =0.101 m
T p =1.35 s
q =0.0057 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.105
H m0 =0.112 m
T p =1.51 s
q =0.022 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.106
H m0 =0.118 m
T p =1.51 s
q =0.072 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.107
H m0 =0.132 m
T p =1.51 s
q =0.19 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

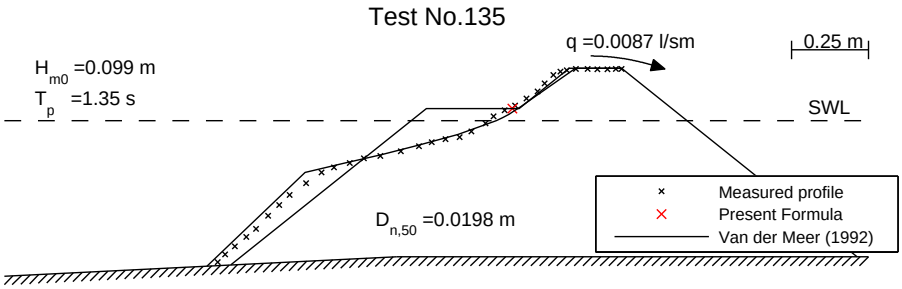

Test No.115
H m0 =0.078 m
T p =1.19 s
q =0.00031 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.116
H m0 =0.084 m
T p =1.25 s
q =0.0016 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.117
H m0 =0.092 m
T p =1.35 s
q =0.018 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.118
H m0 =0.103 m
T p =1.42 s
q =0.086 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

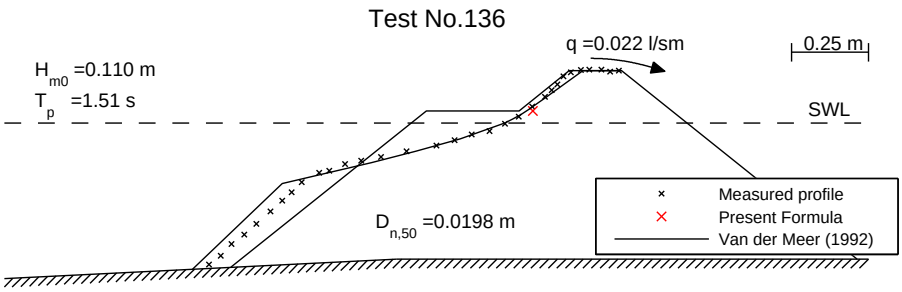

Test No.125
q =0.0013 l/sm
0.25 m
H m0 =0.092 m
T p =1.35 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

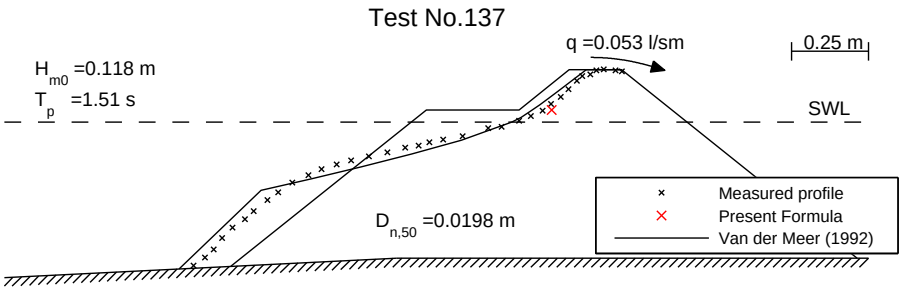

Test No.126
q =0.0056 l/sm
0.25 m
H m0 =0.101 m
T p =1.35 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

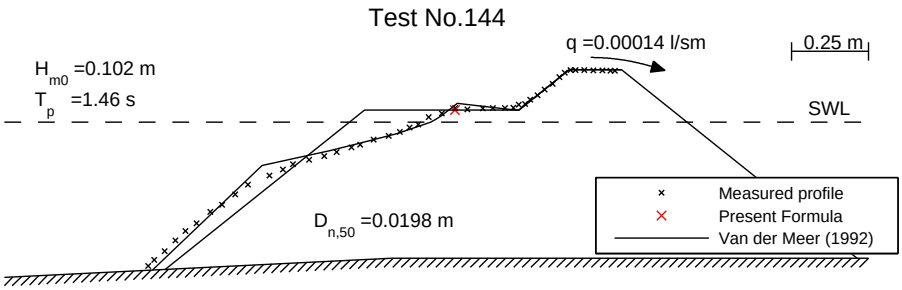

Test No.127
q =0.032 l/sm
0.25 m
H m0 =0.112 m
T p =1.51 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

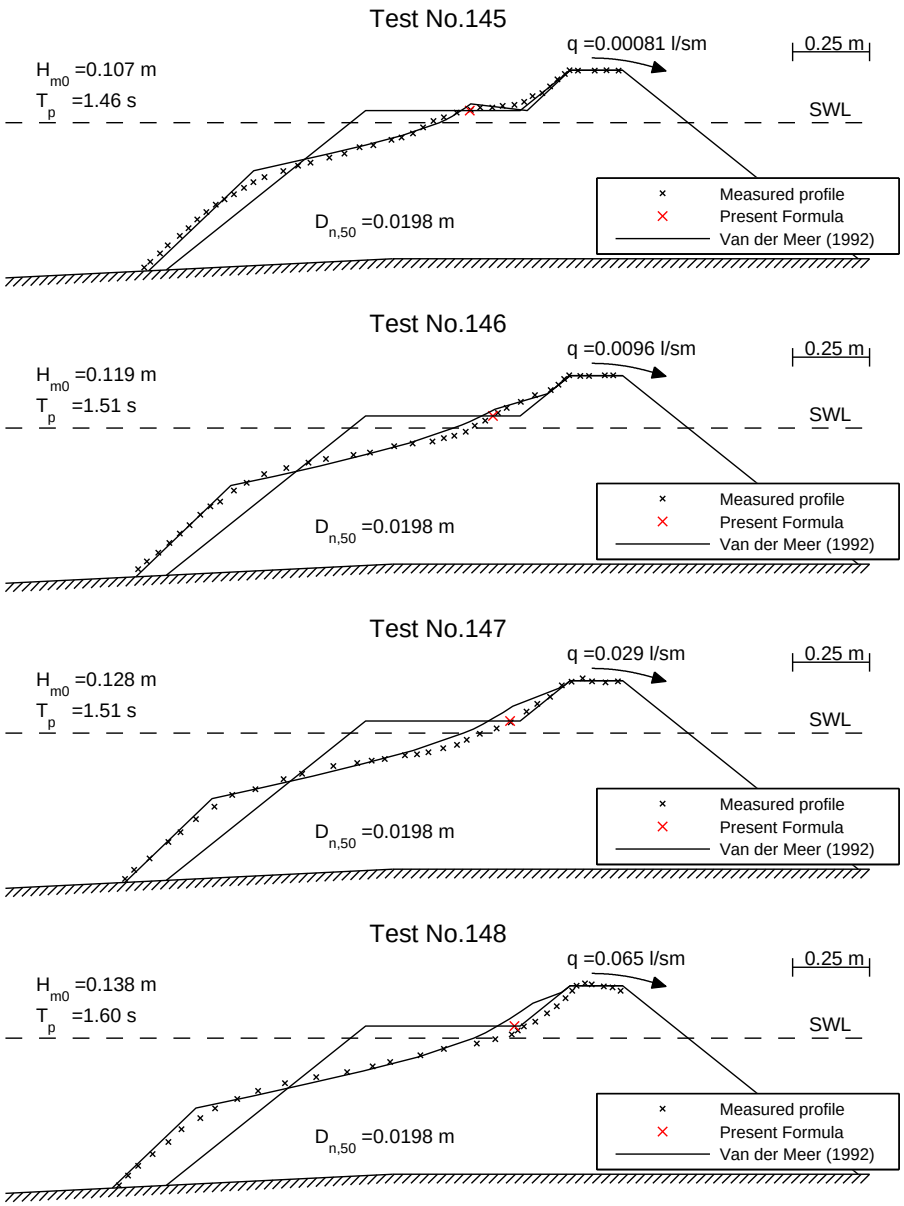

Test No.134
q =0.00088 l/sm
0.25 m
H m0 =0.092 m
T p =1.35 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

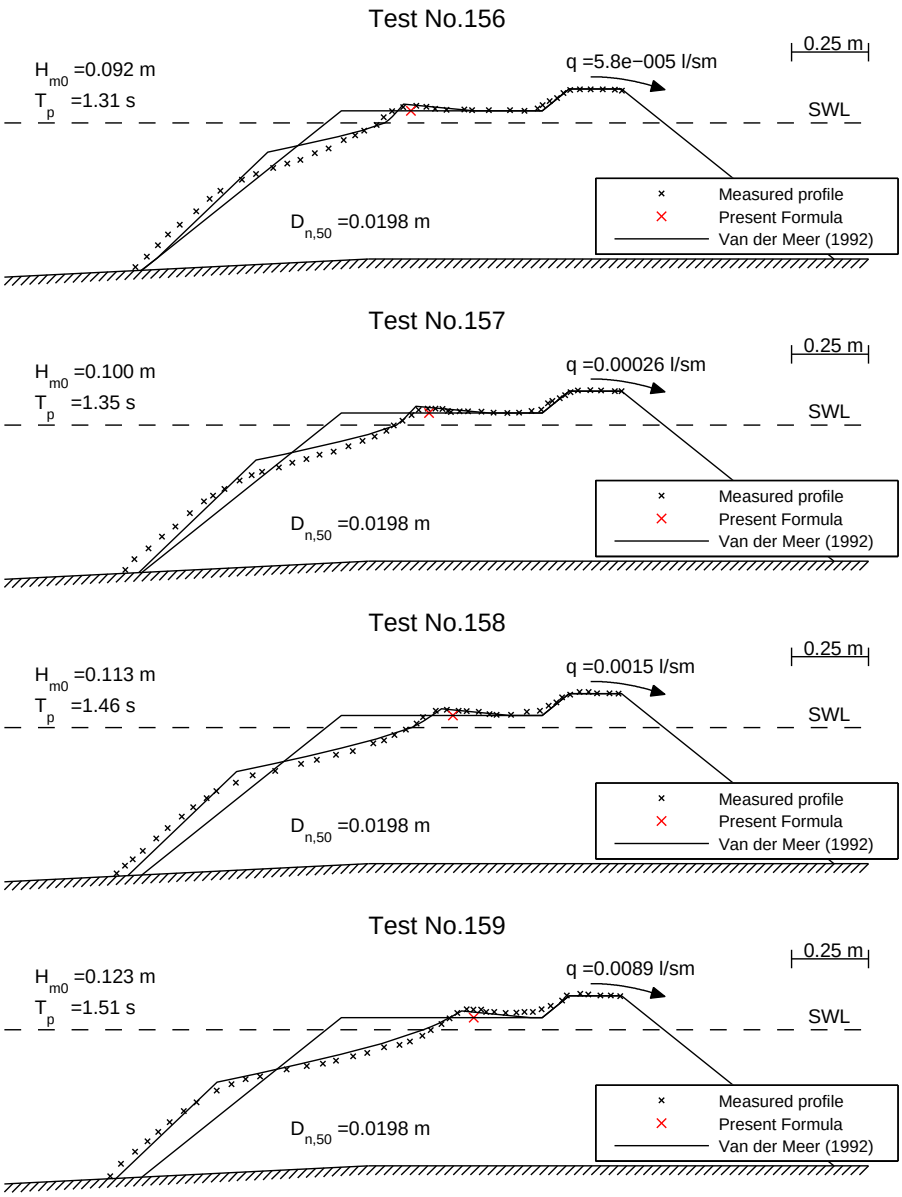

Test No.135
q =0.0087 l/sm
0.25 m
H m0 =0.099 m
T p =1.35 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

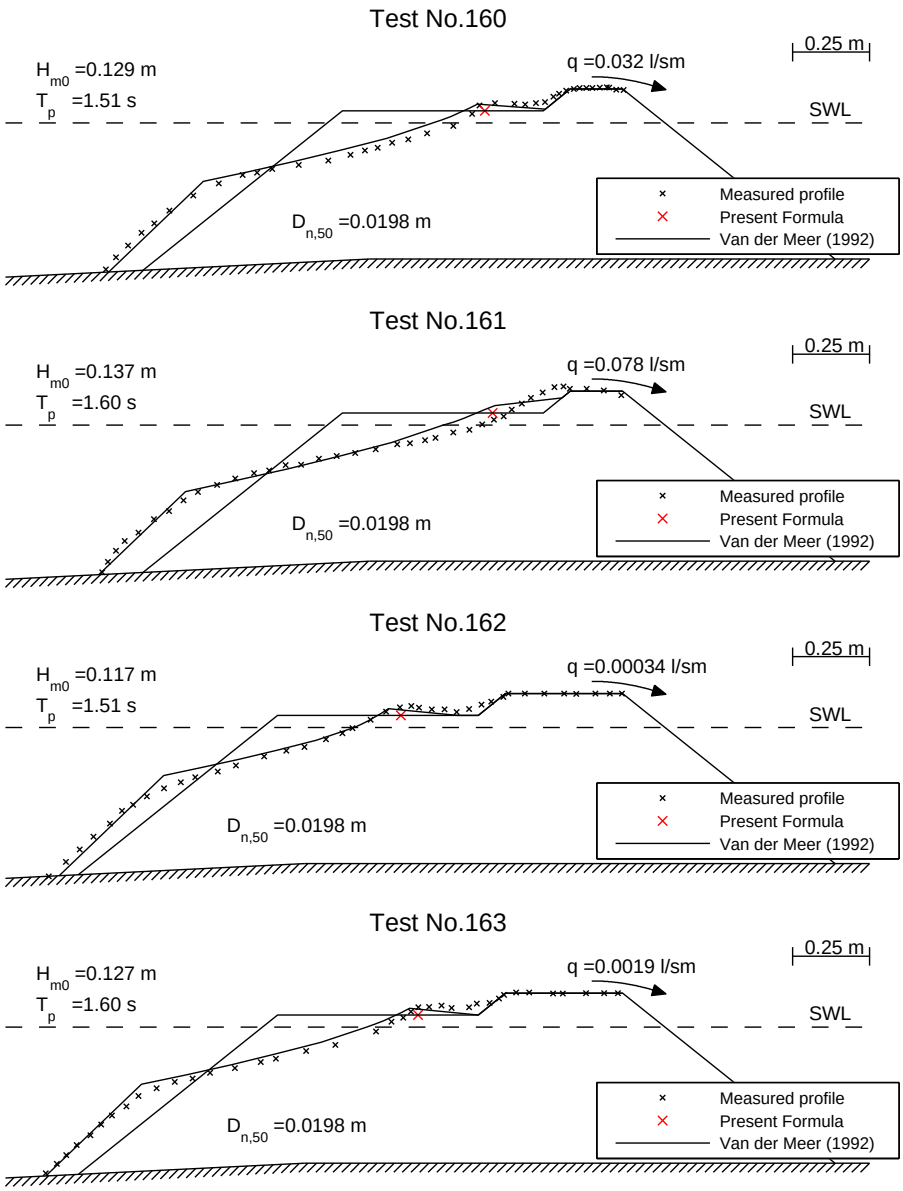

Test No.136
q =0.022 l/sm
0.25 m
H m0 =0.110 m
T p =1.51 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

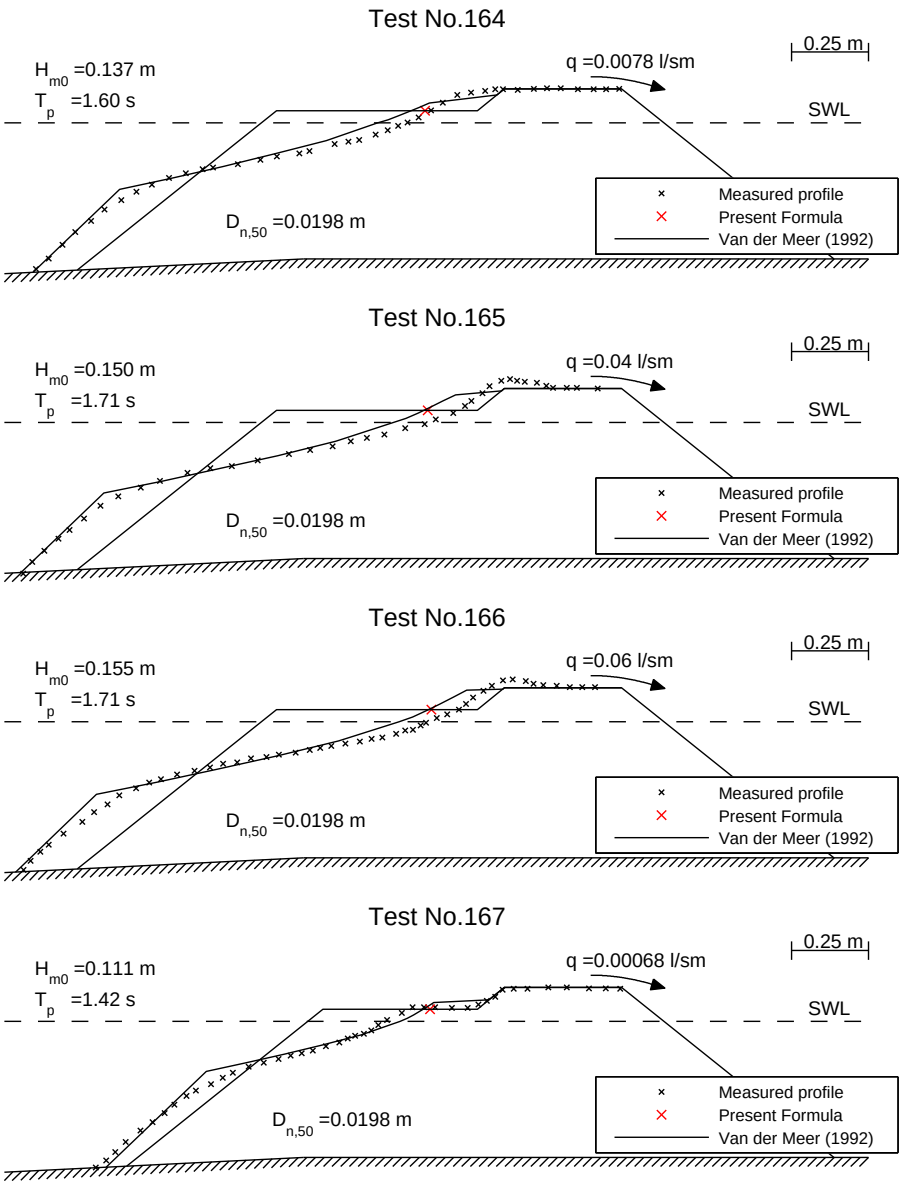

Test No.137
q =0.053 l/sm
0.25 m
H m0 =0.118 m
T p =1.51 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

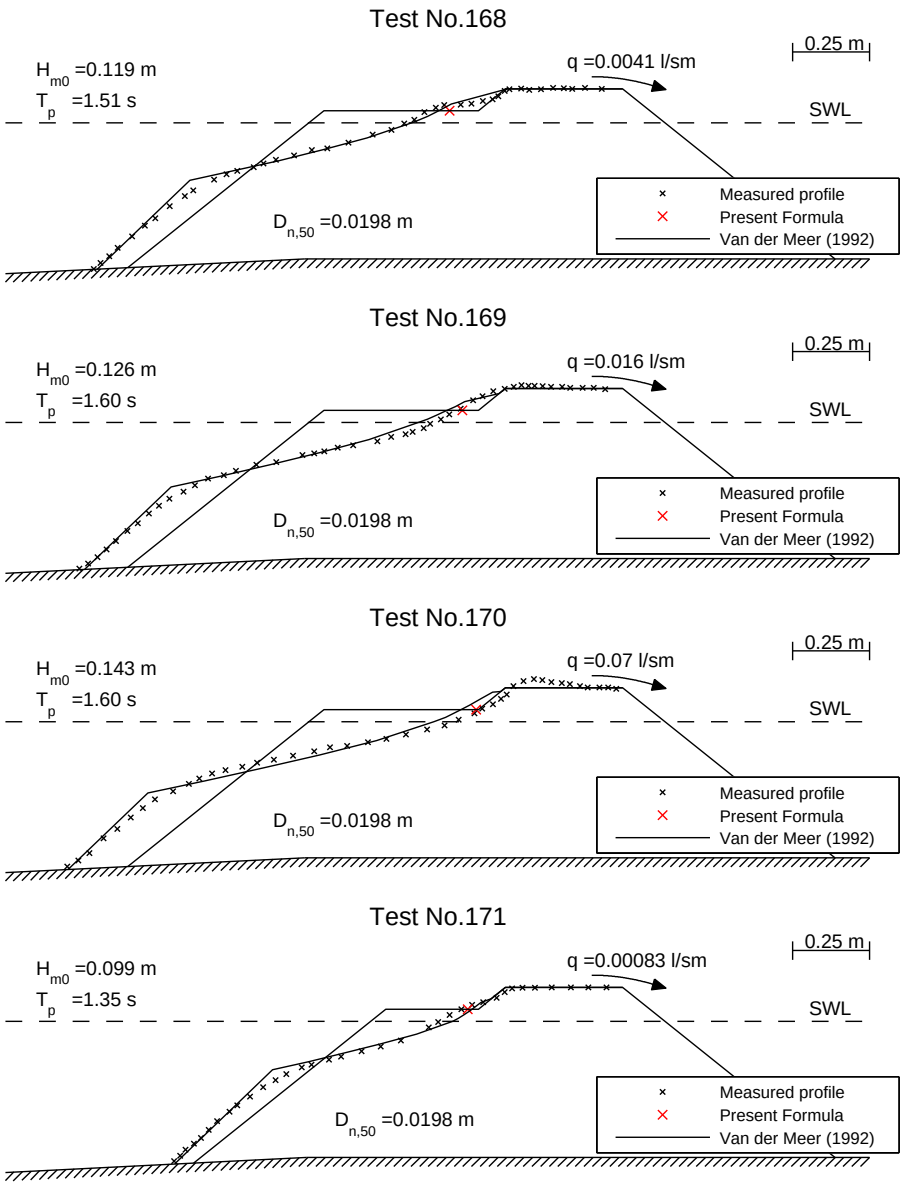

Test No.144
q =0.00014 l/sm
0.25 m
H m0 =0.102 m
T p =1.46 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

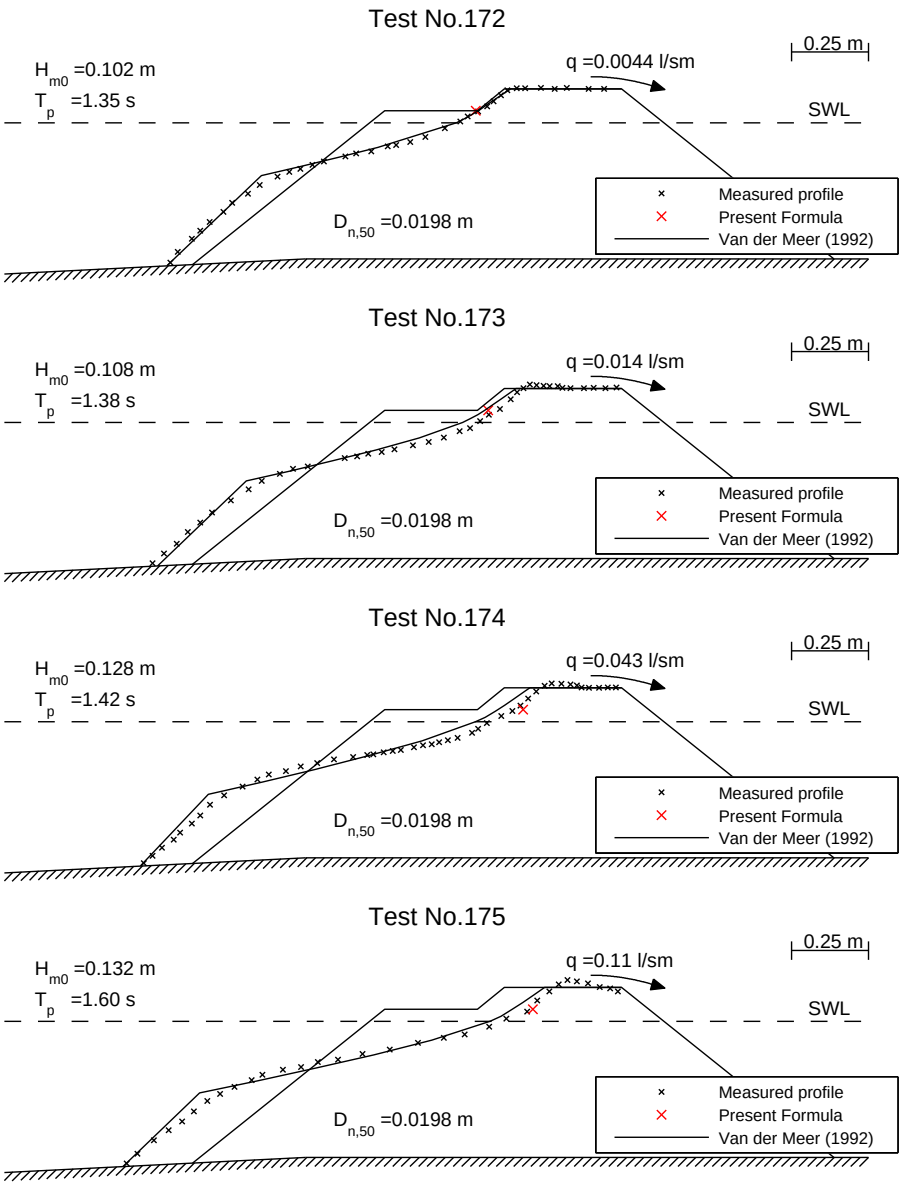

Test No.145
q =0.00081 l/sm
0.25 m
H m0 =0.107 m
T p =1.46 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.146
q =0.0096 l/sm
0.25 m
H m0 =0.119 m
T p =1.51 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.147
q =0.029 l/sm
0.25 m
H m0 =0.128 m
T p =1.51 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.148
q =0.065 l/sm
0.25 m
H m0 =0.138 m
T p =1.60 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

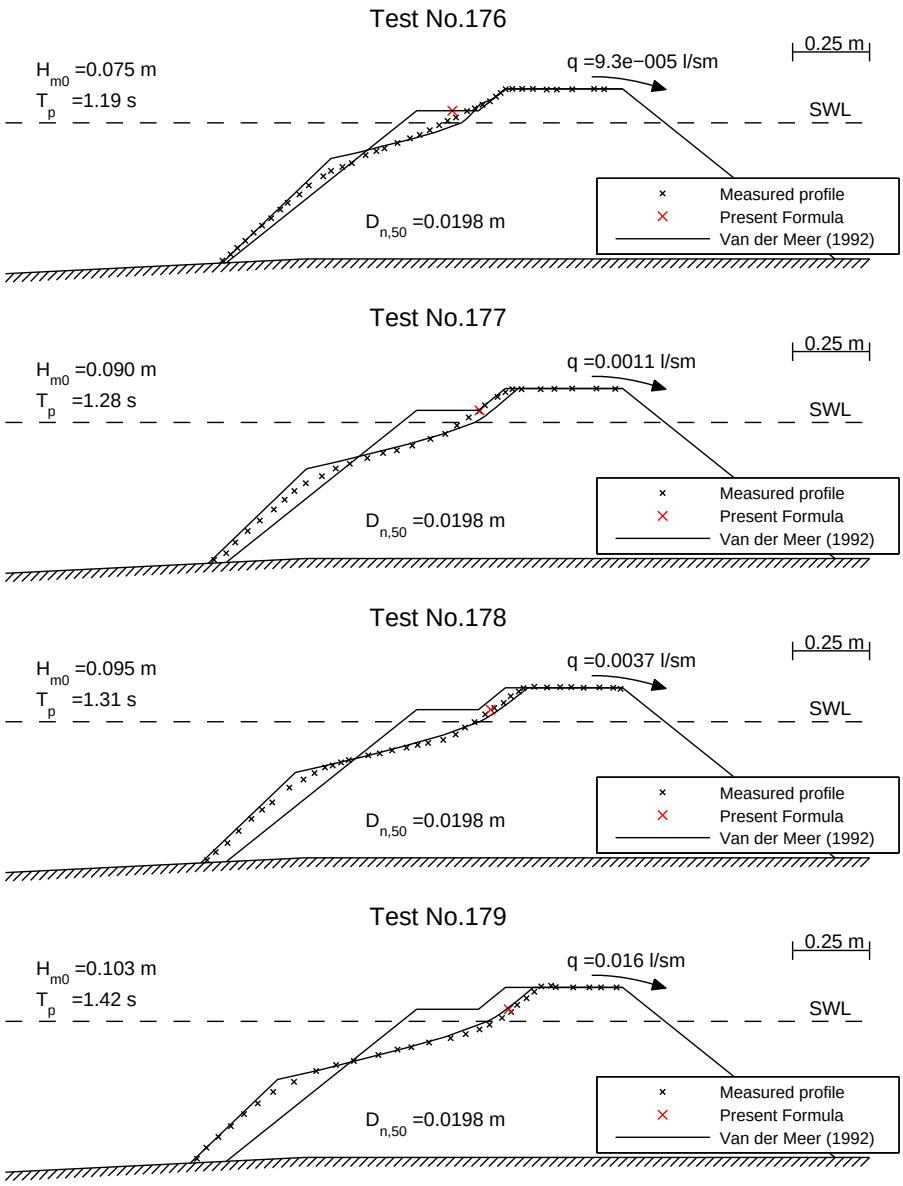

Test No.156
H m0 =0.092 m
T p =1.31 s
q =5.8e−005 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.157
H m0 =0.100 m
T p =1.35 s
q =0.00026 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.158
H m0 =0.113 m
T p =1.46 s
q =0.0015 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.159
H m0 =0.123 m
T p =1.51 s
q =0.0089 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

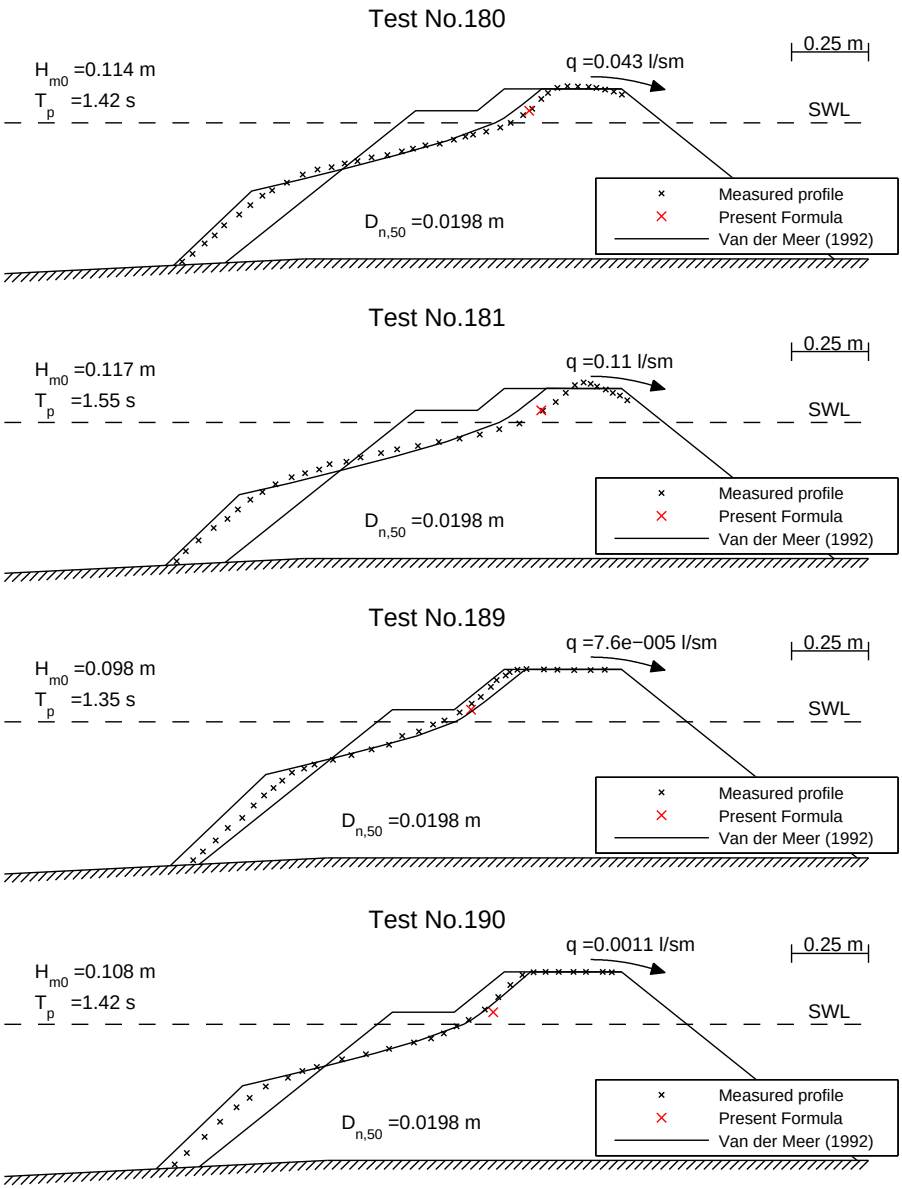

Test No.160
H m0 =0.129 m
T p =1.51 s
q =0.032 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.161
H m0 =0.137 m
T p =1.60 s
q =0.078 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.162
H m0 =0.117 m
T p =1.51 s
q =0.00034 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.163
H m0 =0.127 m
T p =1.60 s
q =0.0019 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

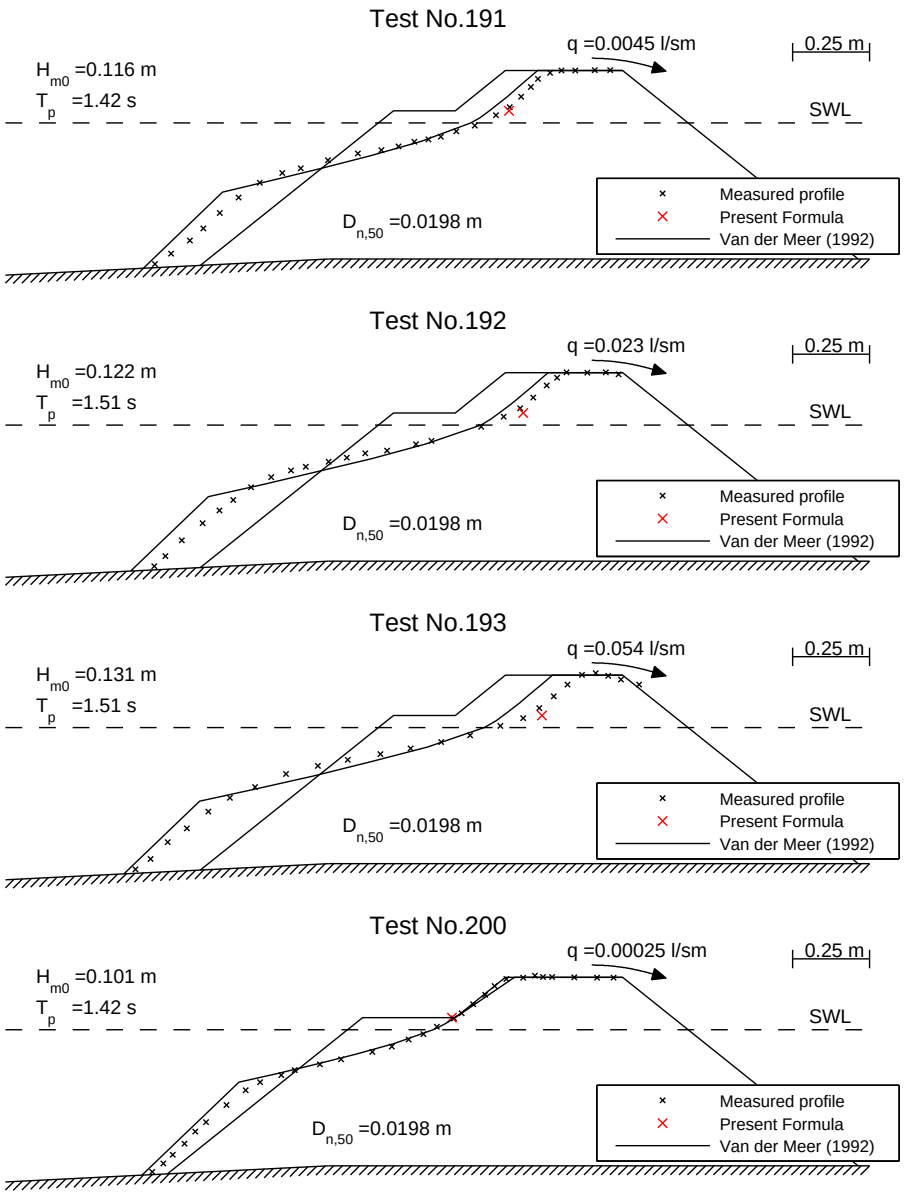

Test No.164
H m0 =0.137 m
T p =1.60 s
q =0.0078 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.165
H m0 =0.150 m
T p =1.71 s
q =0.04 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.166
H m0 =0.155 m
T p =1.71 s
q =0.06 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.167
H m0 =0.111 m
T p =1.42 s
q =0.00068 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

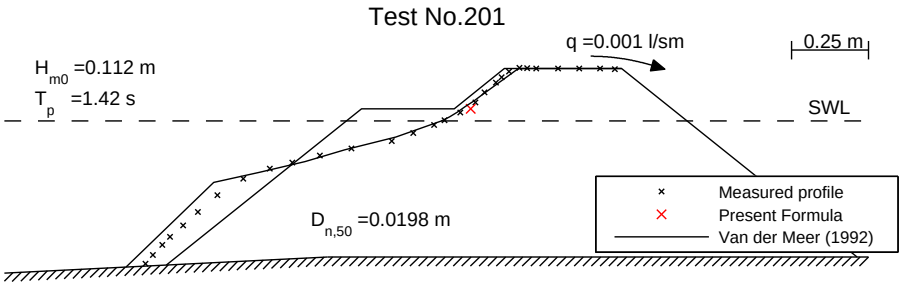

Test No.168
H m0 =0.119 m
T p =1.51 s
q =0.0041 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.169
H m0 =0.126 m
T p =1.60 s
q =0.016 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.170
H m0 =0.143 m
T p =1.60 s
q =0.07 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.171
H m0 =0.099 m
T p =1.35 s
q =0.00083 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

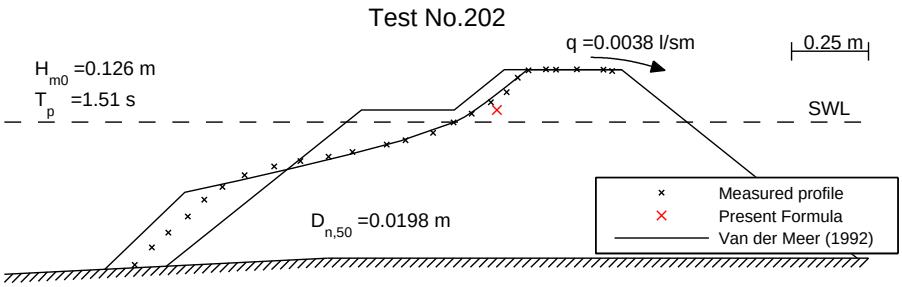

Test No.172
H m0 =0.102 m
T p =1.35 s
q =0.0044 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.173
H m0 =0.108 m
T p =1.38 s
q =0.014 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.174
H m0 =0.128 m
T p =1.42 s
q =0.043 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.175
H m0 =0.132 m
T p =1.60 s
q =0.11 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

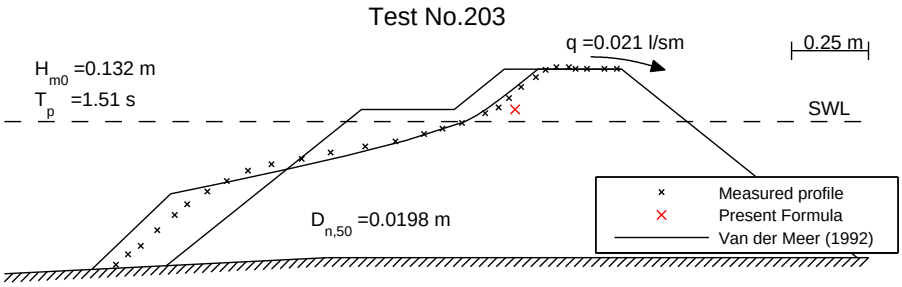

Test No.176
H m0 =0.075 m
T p =1.19 s
q =9.3e−005 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.177
H m0 =0.090 m
T p =1.28 s
q =0.0011 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.178
H m0 =0.095 m
T p =1.31 s
q =0.0037 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.179
H m0 =0.103 m
T p =1.42 s
q =0.016 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

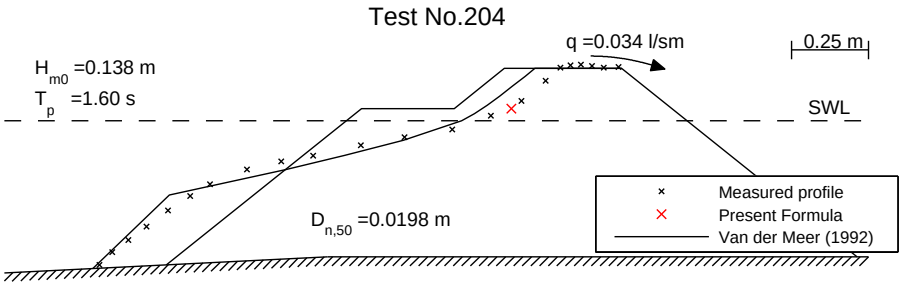

Test No.180
H m0 =0.114 m
T p =1.42 s
q =0.043 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.181
H m0 =0.117 m
T p =1.55 s
q =0.11 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.189
H m0 =0.098 m
T p =1.35 s
q =7.6e−005 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.190
H m0 =0.108 m
T p =1.42 s
q =0.0011 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

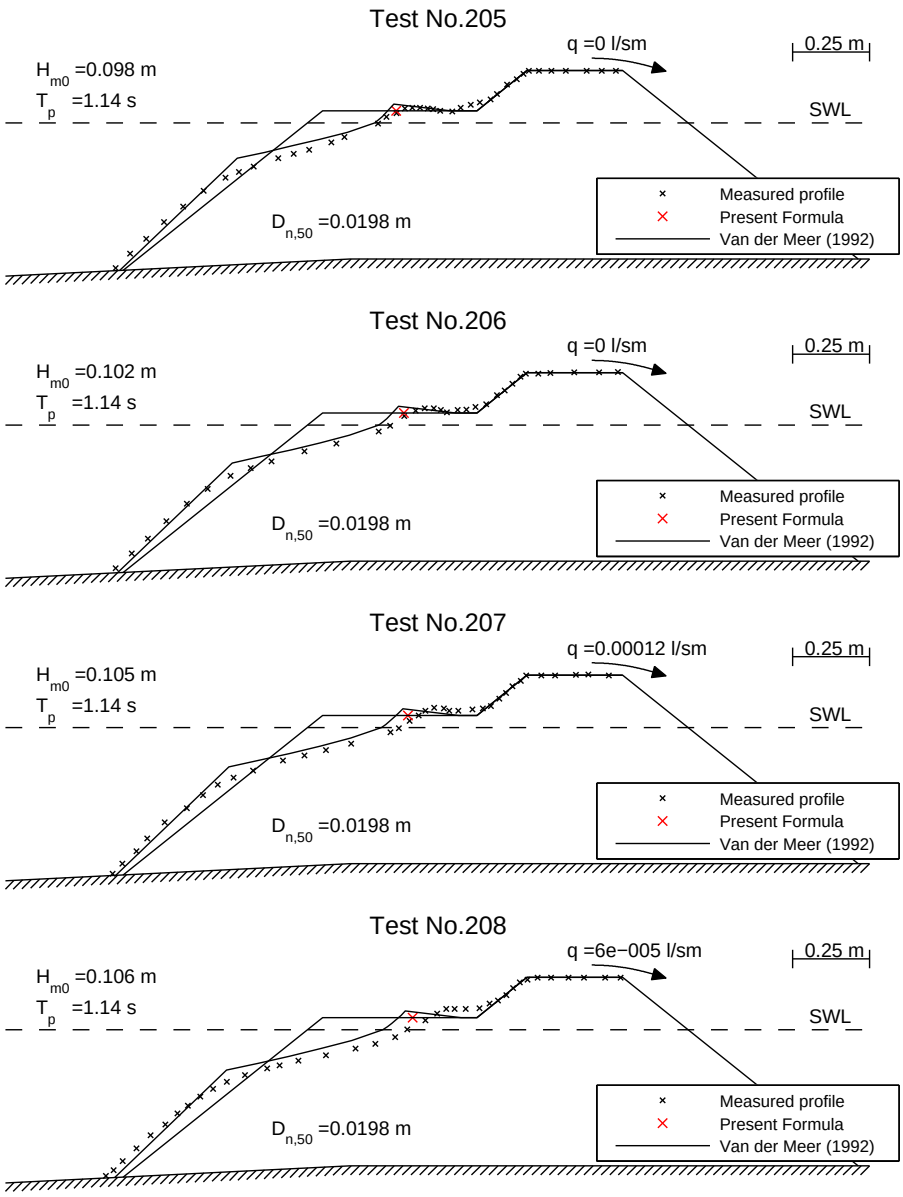

Test No.191
q =0.0045 l/sm
0.25 m
H m0 =0.116 m
T p =1.42 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.192
q =0.023 l/sm
0.25 m
H m0 =0.122 m
T p =1.51 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.193
q =0.054 l/sm
0.25 m
H m0 =0.131 m
T p =1.51 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.200
q =0.00025 l/sm
0.25 m
H m0 =0.101 m
T p =1.42 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

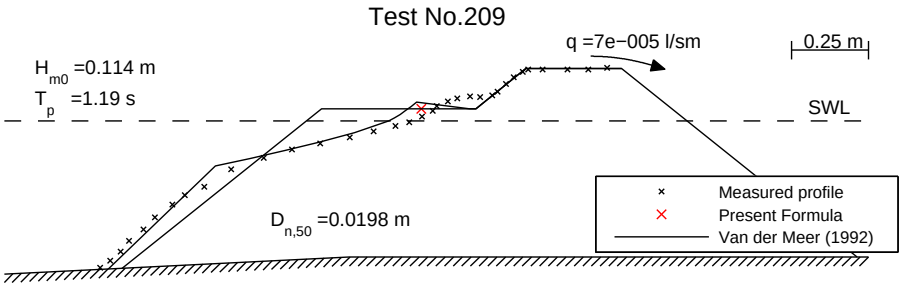

Test No.201
q =0.001 l/sm
0.25 m
H m0 =0.112 m
T p =1.42 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

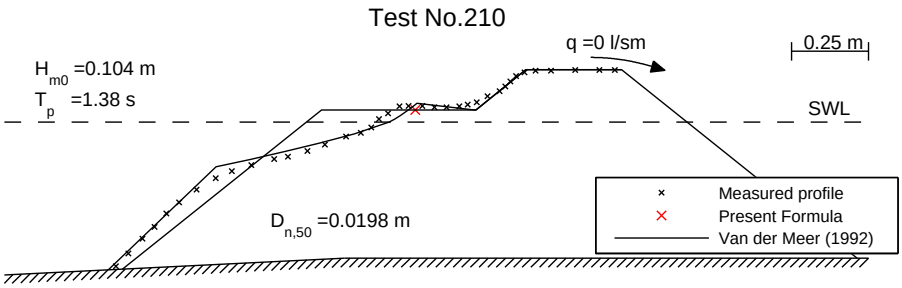

Test No.202
q =0.0038 l/sm
0.25 m
H m0 =0.126 m
T p =1.51 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

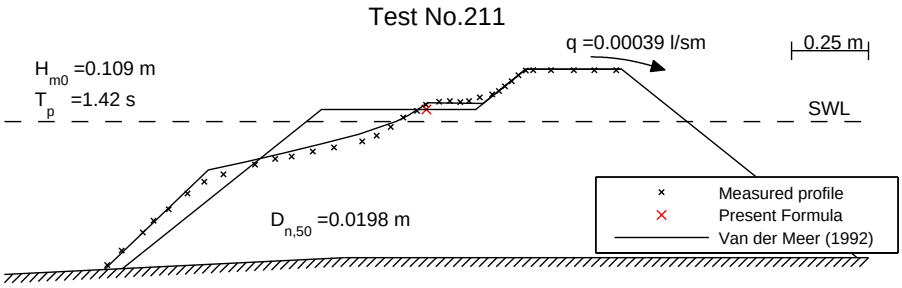

Test No.203
q =0.021 l/sm
0.25 m
H m0 =0.132 m
T p =1.51 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

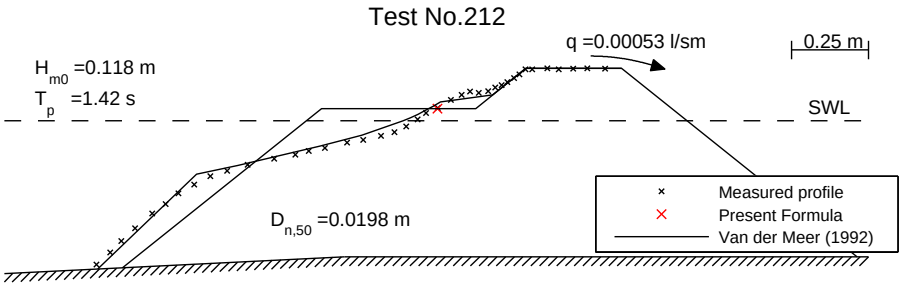

Test No.204
q =0.034 l/sm
0.25 m
H m0 =0.138 m
T p =1.60 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

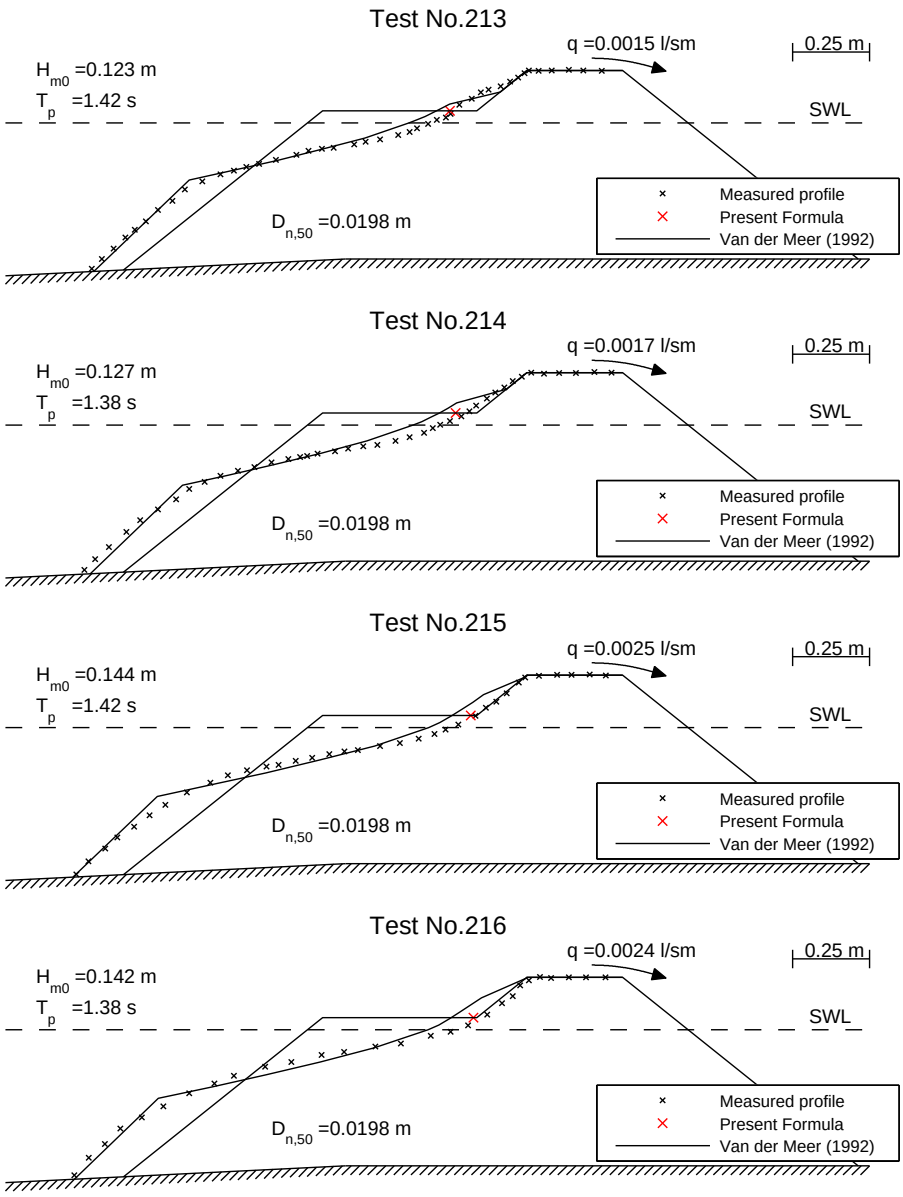

Test No.205
q =0 l/sm
0.25 m
H m0 =0.098 m
T p =1.14 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.206
q =0 l/sm
0.25 m
H m0 =0.102 m
T p =1.14 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.207
q =0.00012 l/sm
0.25 m
H m0 =0.105 m
T p =1.14 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.208
q =6e−005 l/sm
0.25 m
H m0 =0.106 m
T p =1.14 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

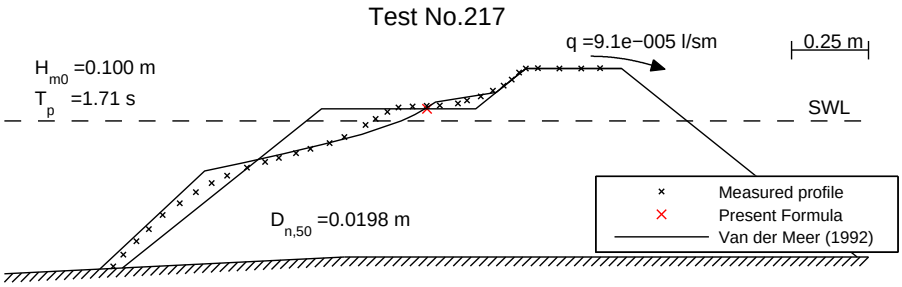

Test No.209
q =7e−005 l/sm
0.25 m
H m0 =0.114 m
T p =1.19 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

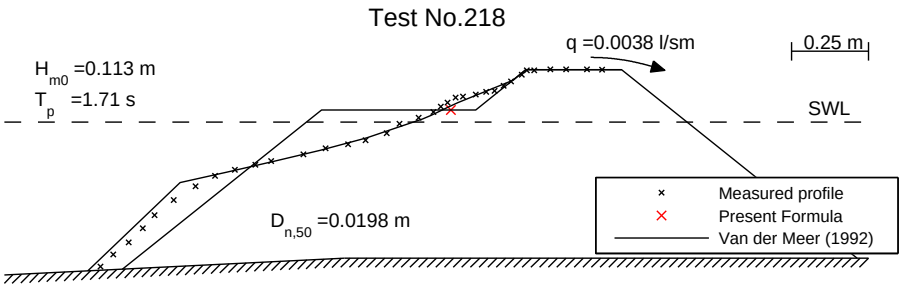

Test No.210
q =0 l/sm
0.25 m
H m0 =0.104 m
T p =1.38 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

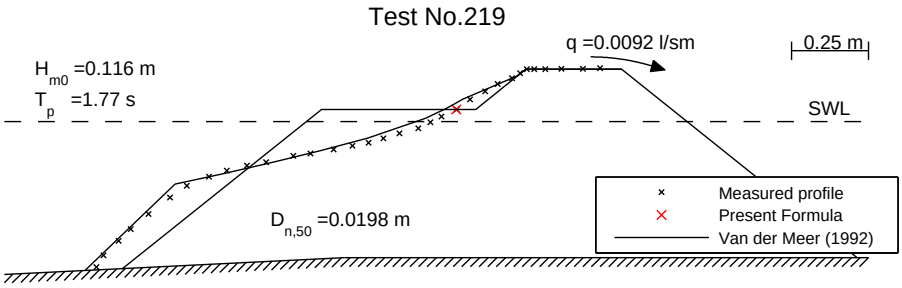

Test No.211
q =0.00039 l/sm
0.25 m
H m0 =0.109 m
T p =1.42 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

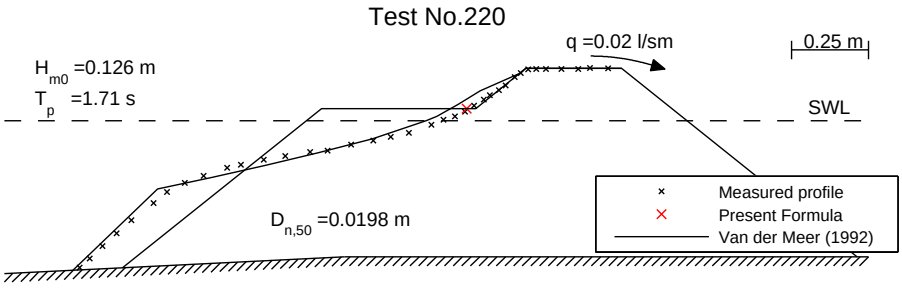

Test No.212
q =0.00053 l/sm
0.25 m
H m0 =0.118 m
T p =1.42 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

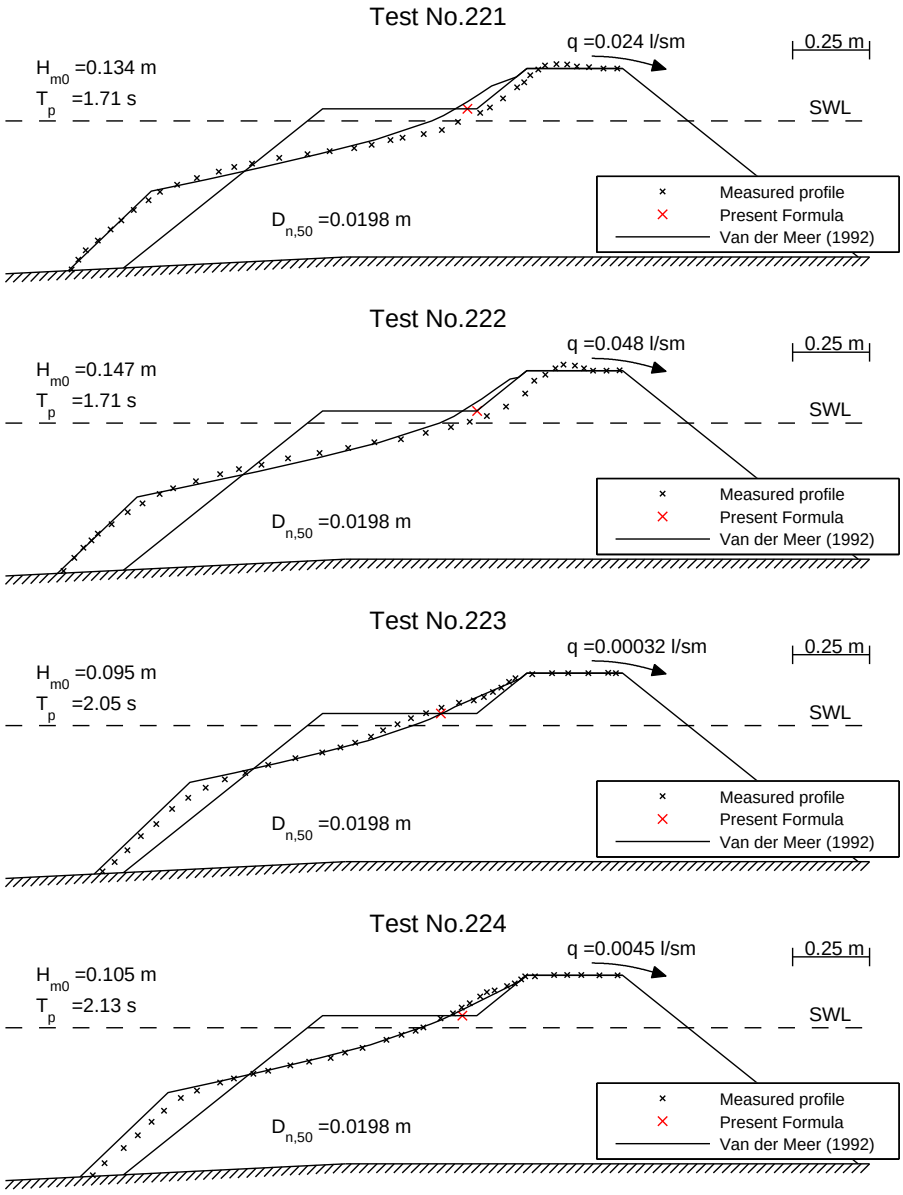

Test No.213
q =0.0015 l/sm
0.25 m
H m0 =0.123 m
T p =1.42 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.214
q =0.0017 l/sm
0.25 m
H m0 =0.127 m
T p =1.38 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.215
q =0.0025 l/sm
0.25 m
H m0 =0.144 m
T p =1.42 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.216
q =0.0024 l/sm
0.25 m
H m0 =0.142 m
T p =1.38 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

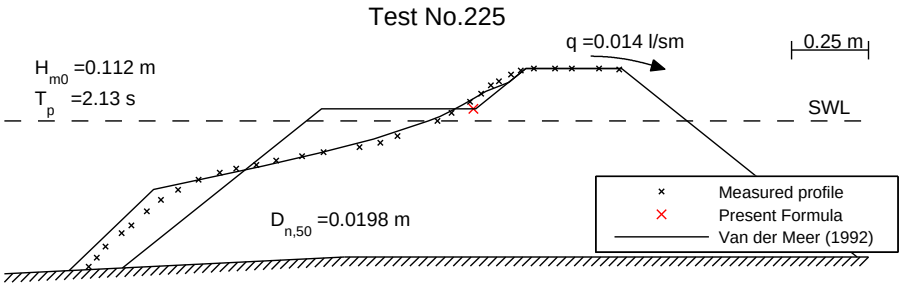

Test No.217
q =9.1e−005 l/sm
0.25 m
H m0 =0.100 m
T p =1.71 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

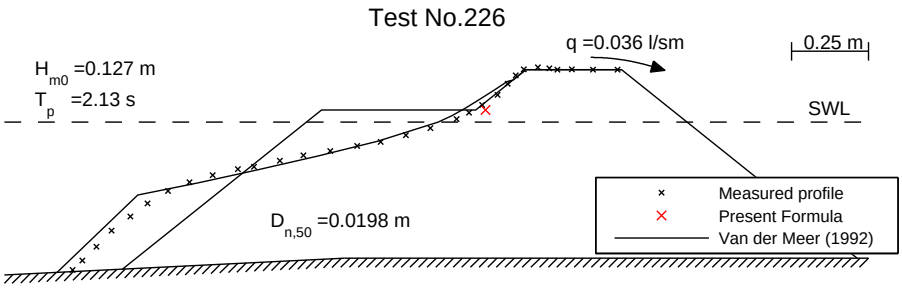

Test No.218
q =0.0038 l/sm
0.25 m
H m0 =0.113 m
T p =1.71 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

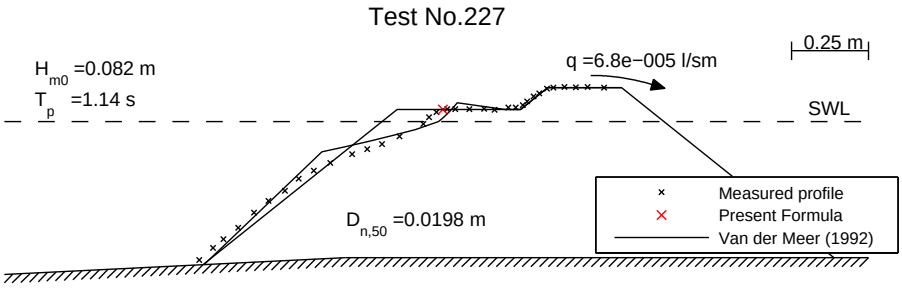

Test No.219
q =0.0092 l/sm
0.25 m
H m0 =0.116 m
T p =1.77 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

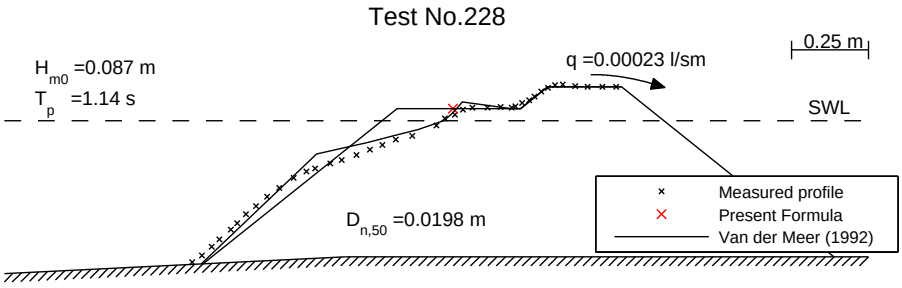

Test No.220
q =0.02 l/sm
0.25 m
H m0 =0.126 m
T p =1.71 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

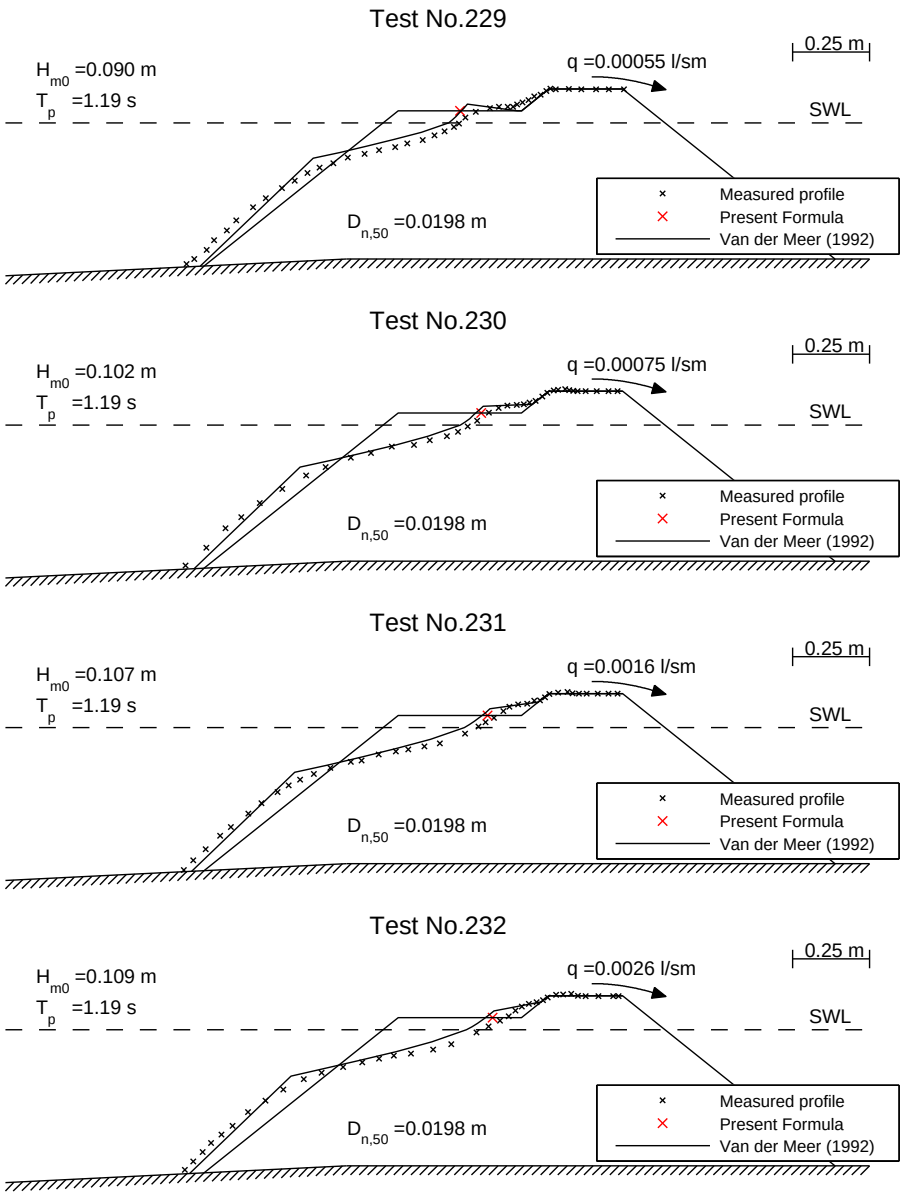

Test No.221
q =0.024 l/sm
0.25 m
H m0 =0.134 m
T p =1.71 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.222
q =0.048 l/sm
0.25 m
H m0 =0.147 m
T p =1.71 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.223
q =0.00032 l/sm
0.25 m
H m0 =0.095 m
T p =2.05 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.224
q =0.0045 l/sm
0.25 m
H m0 =0.105 m
T p =2.13 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

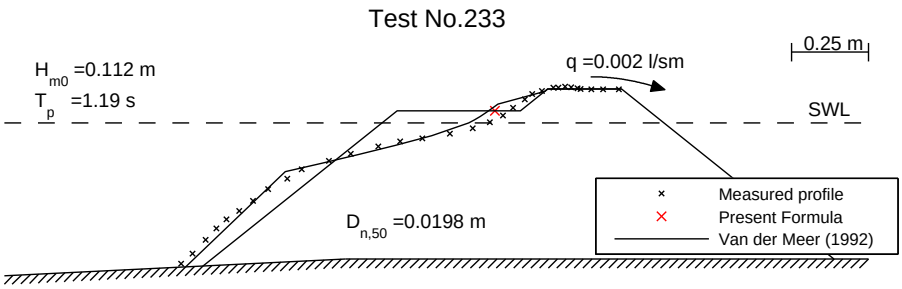

Test No.225
q =0.014 l/sm
0.25 m
H m0 =0.112 m
T p =2.13 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

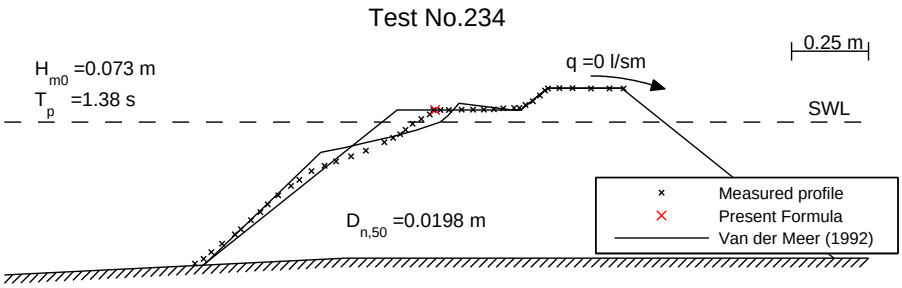

Test No.226
q =0.036 l/sm
0.25 m
H m0 =0.127 m
T p =2.13 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

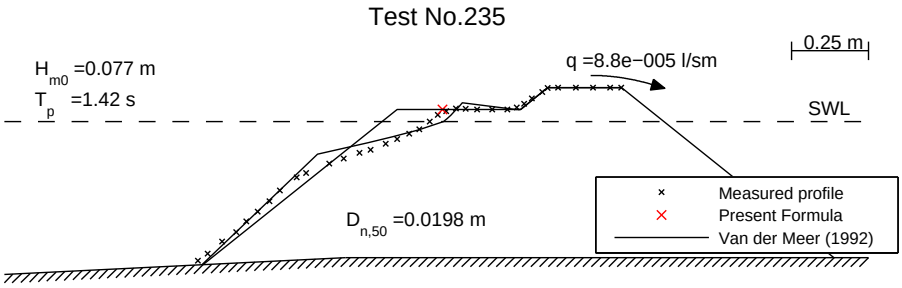

Test No.227
q =6.8e−005 l/sm
0.25 m
H m0 =0.082 m
T p =1.14 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

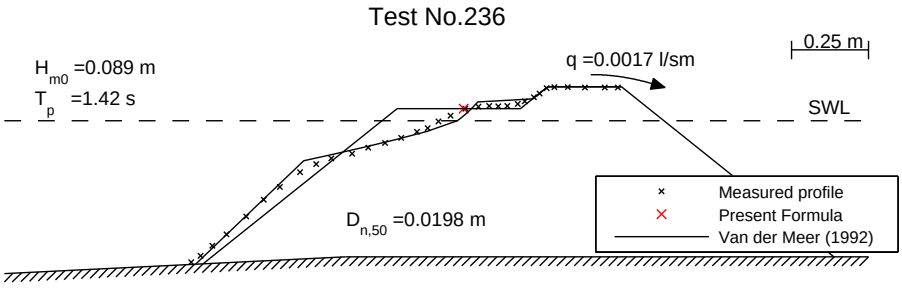

Test No.228
q =0.00023 l/sm
0.25 m
H m0 =0.087 m
T p =1.14 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

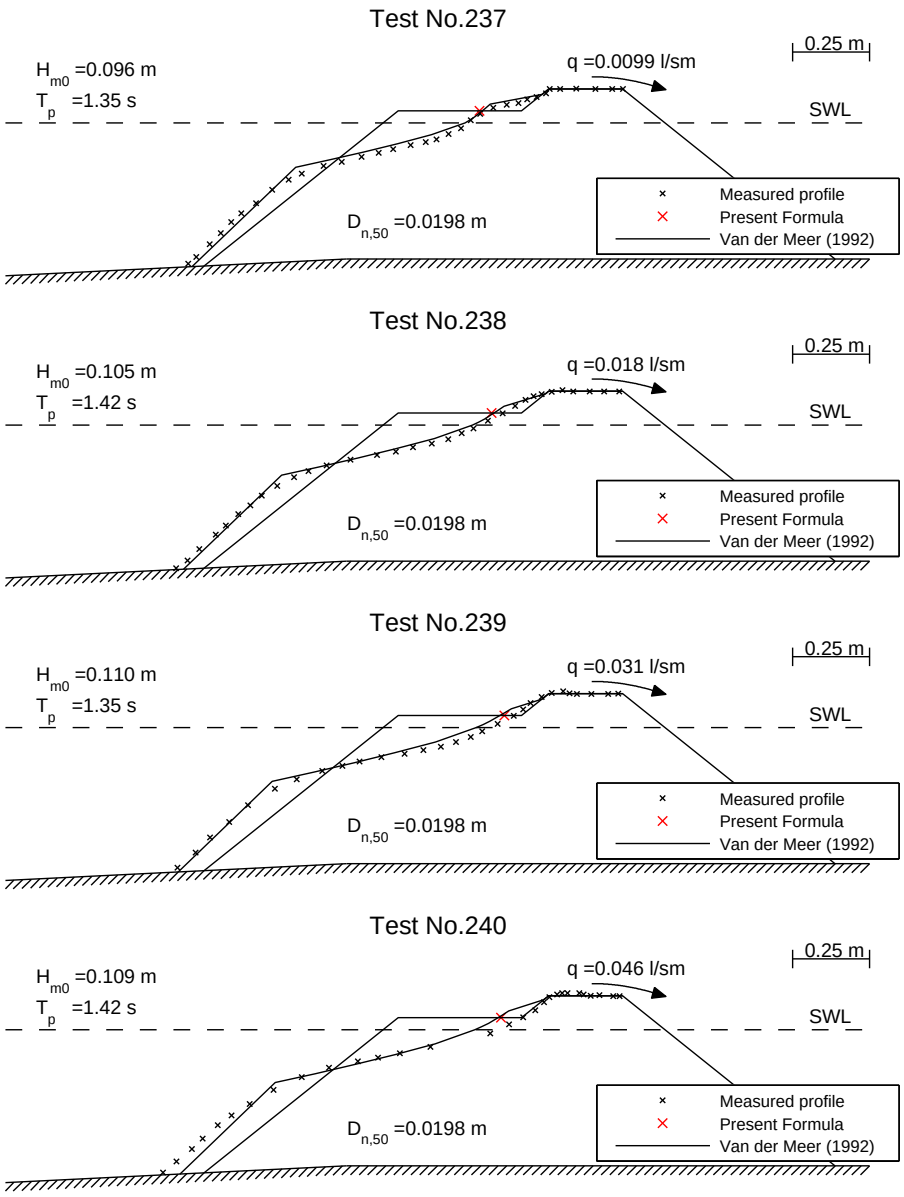

Test No.229
H m0 =0.090 m
T p =1.19 s
q =0.00055 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.230
H m0 =0.102 m
T p =1.19 s
q =0.00075 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.231
H m0 =0.107 m
T p =1.19 s
q =0.0016 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.232
H m0 =0.109 m
T p =1.19 s
q =0.0026 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

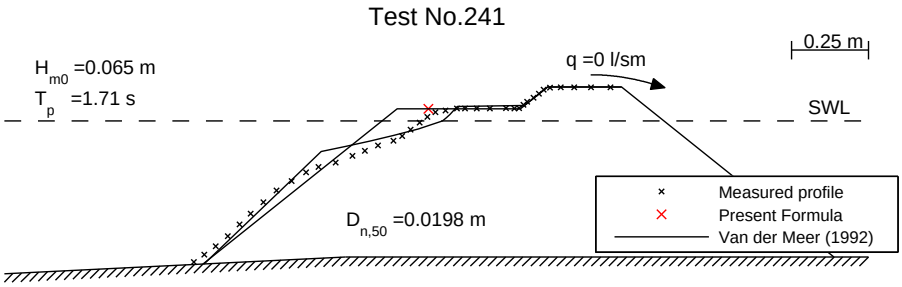

Test No.233
H m0 =0.112 m
T p =1.19 s
q =0.002 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

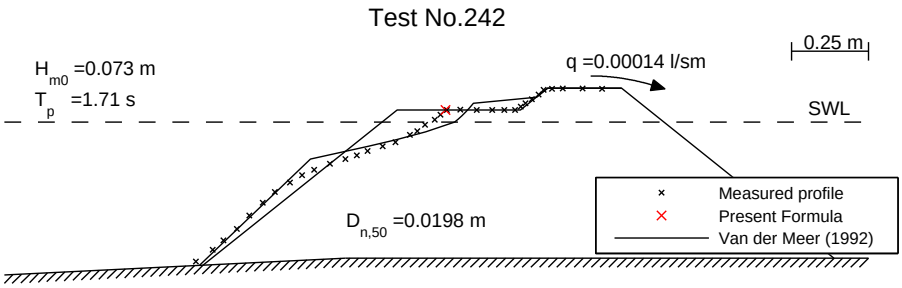

Test No.234
H m0 =0.073 m
T p =1.38 s
q =0 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

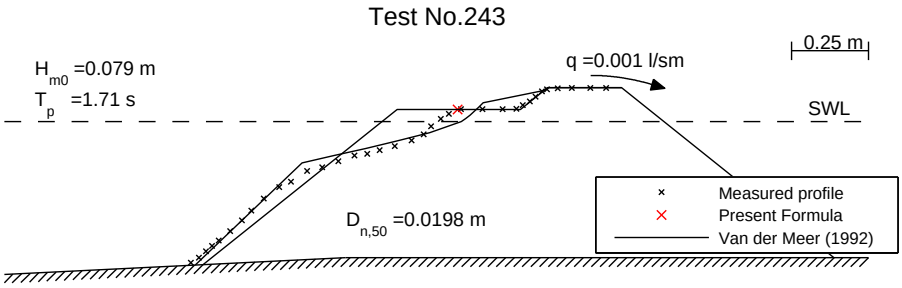

Test No.235
H m0 =0.077 m
T p =1.42 s
q =8.8e−005 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

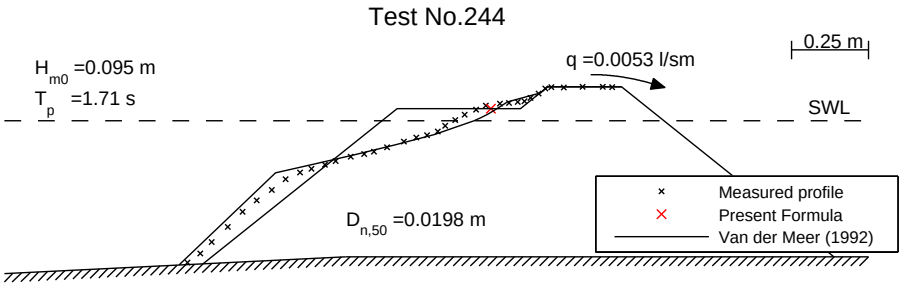

Test No.236
H m0 =0.089 m
T p =1.42 s
q =0.0017 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

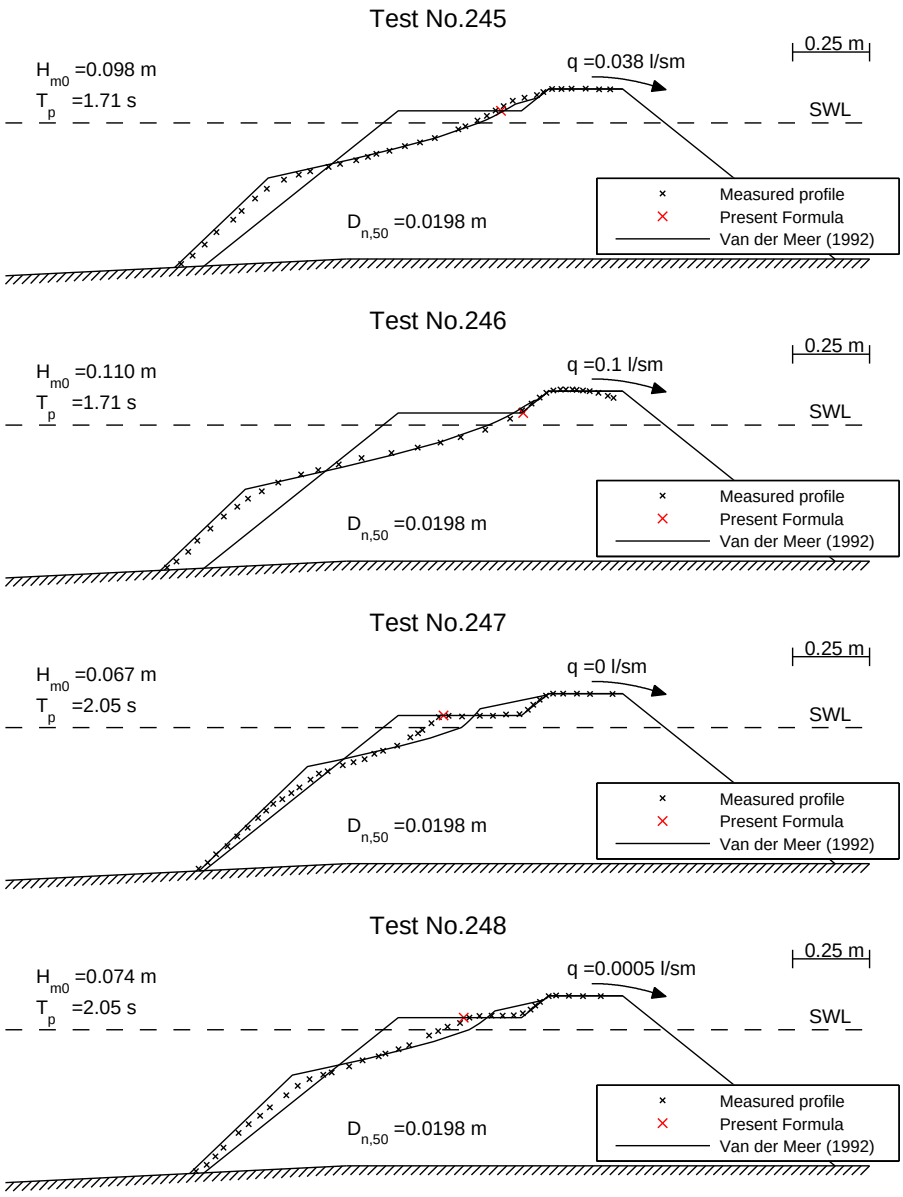

Test No.237
H m0 =0.096 m
T p =1.35 s
q =0.0099 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.238
H m0 =0.105 m
T p =1.42 s
q =0.018 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.239
H m0 =0.110 m
T p =1.35 s
q =0.031 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.240
H m0 =0.109 m
T p =1.42 s
q =0.046 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

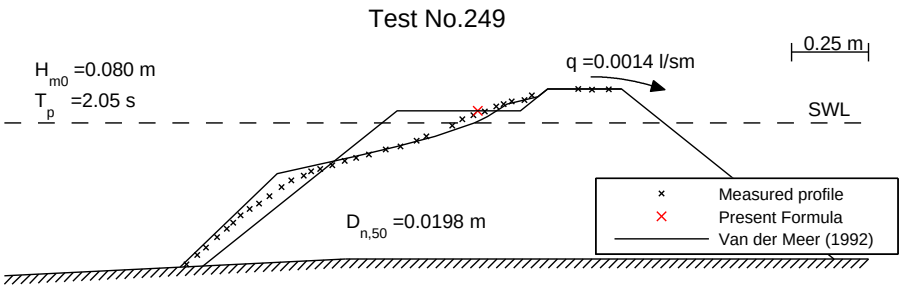

Test No.241
H m0 =0.065 m
T p =1.71 s
q =0 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

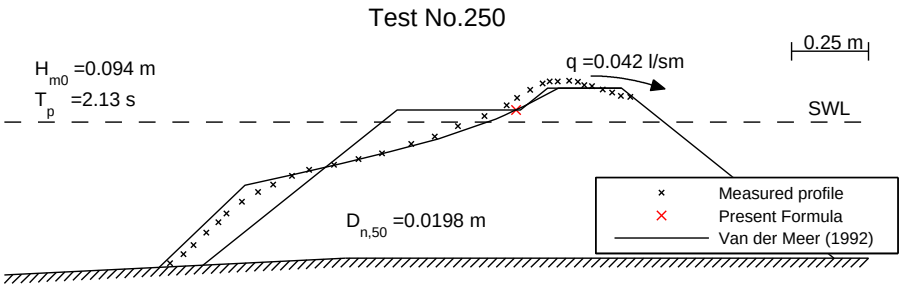

Test No.242
H m0 =0.073 m
T p =1.71 s
q =0.00014 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

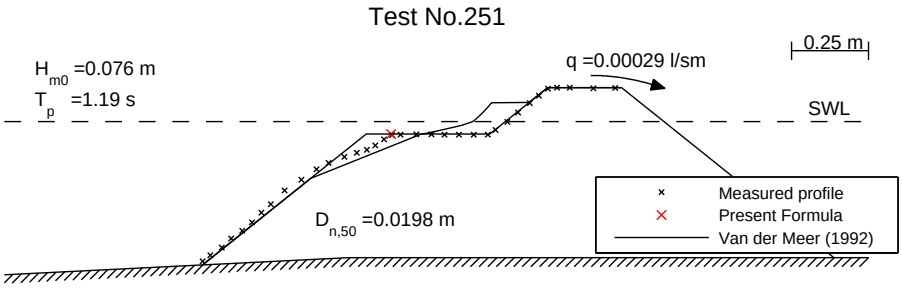

Test No.243
H m0 =0.079 m
T p =1.71 s
q =0.001 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

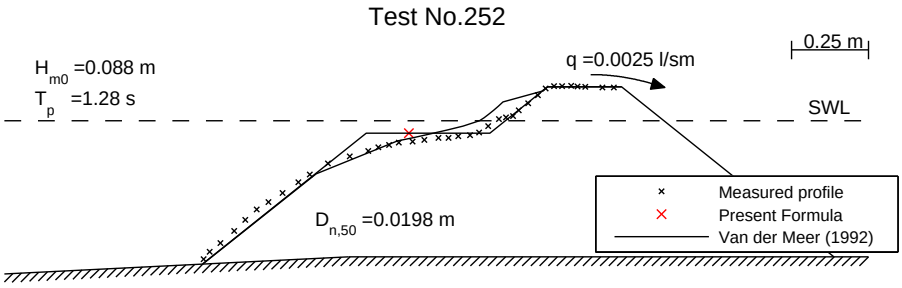

Test No.244
H m0 =0.095 m
T p =1.71 s
q =0.0053 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

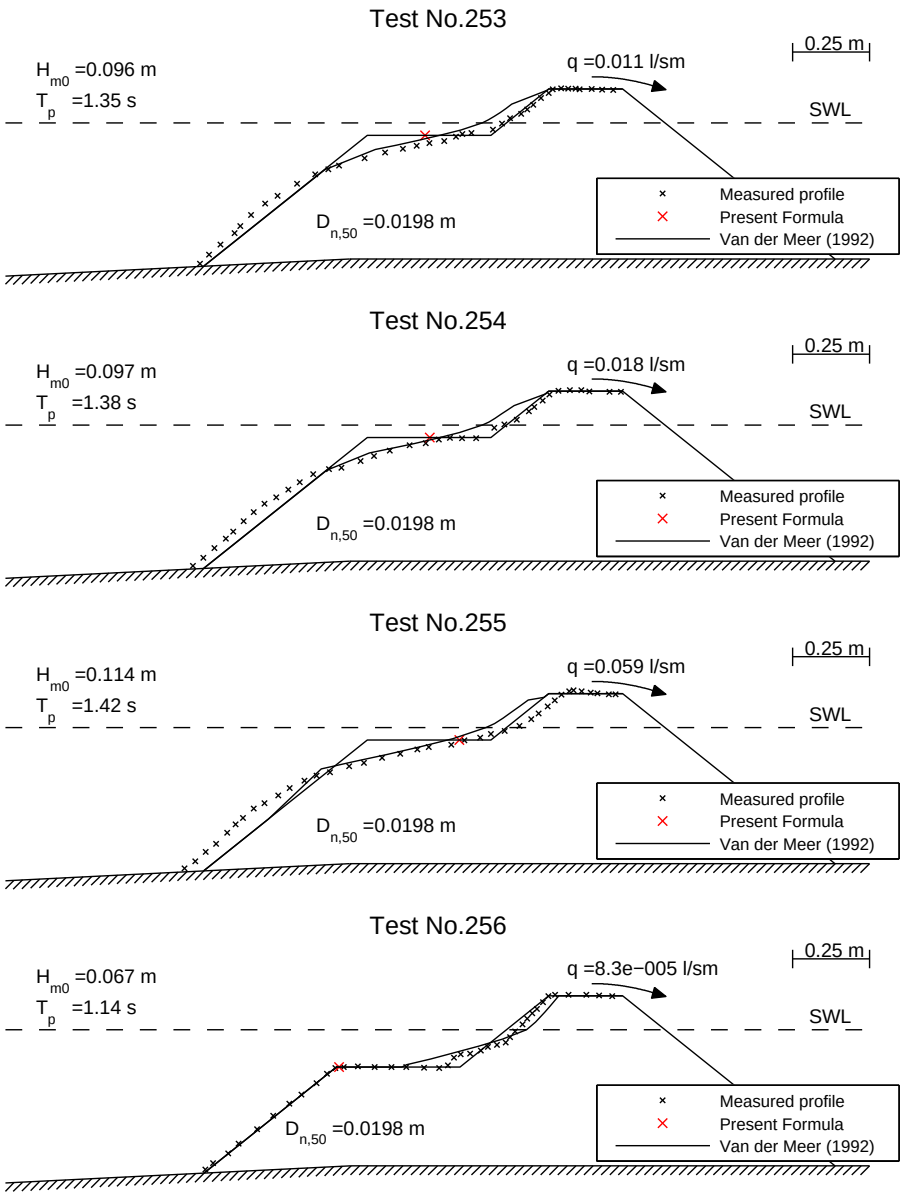

Test No.245
H m0 =0.098 m
T p =1.71 s
q =0.038 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.246
H m0 =0.110 m
T p =1.71 s
q =0.1 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.247
H m0 =0.067 m
T p =2.05 s
q =0 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.248
H m0 =0.074 m
T p =2.05 s
q =0.0005 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

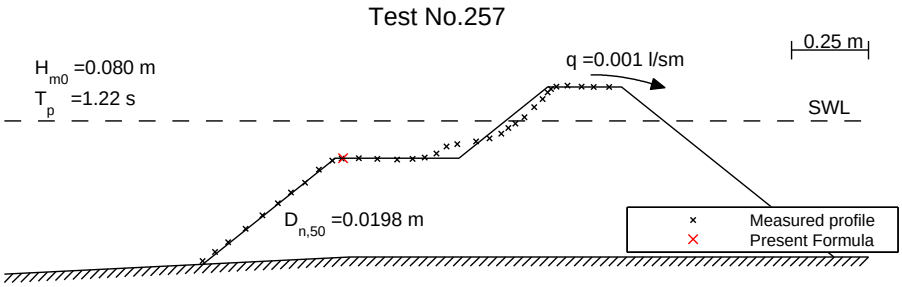

Test No.249
H m0 =0.080 m
T p =2.05 s
q =0.0014 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

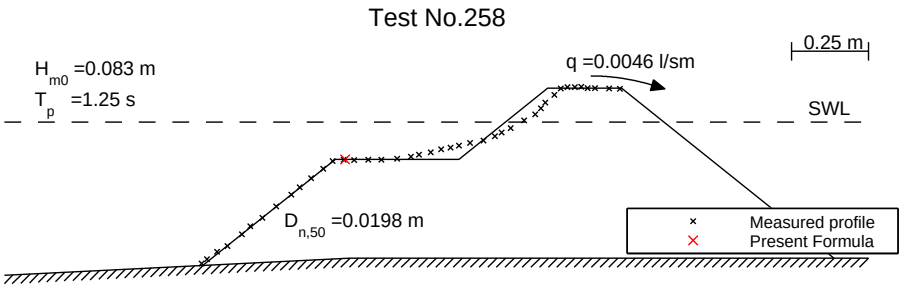

Test No.250
H m0 =0.094 m
T p =2.13 s
q =0.042 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

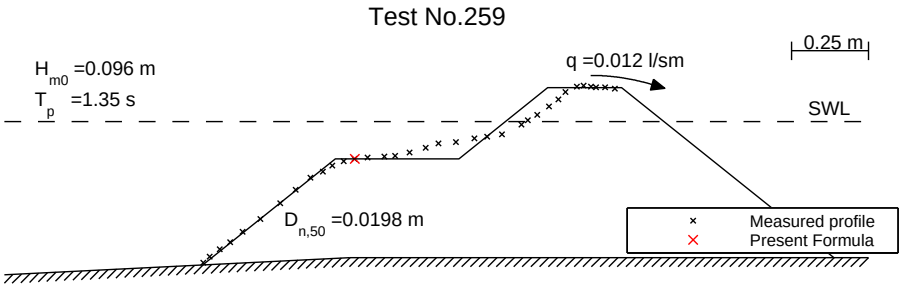

Test No.251
H m0 =0.076 m
T p =1.19 s
q =0.00029 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

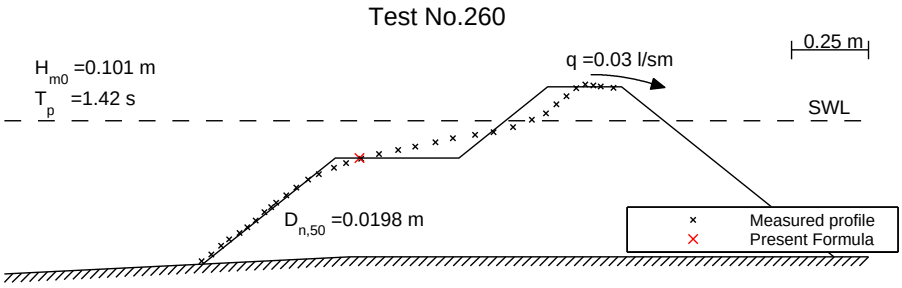

Test No.252
H m0 =0.088 m
T p =1.28 s
q =0.0025 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

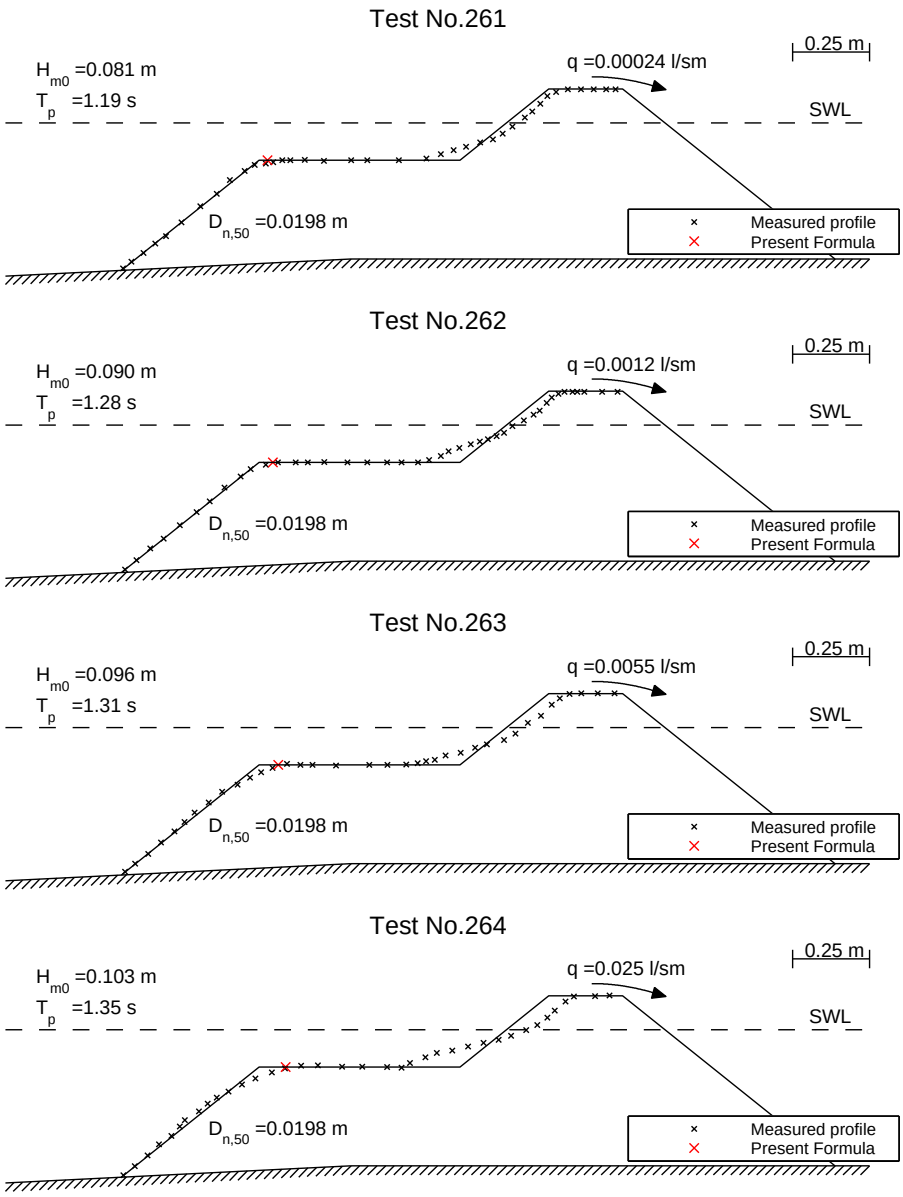

Test No.253
H m0 =0.096 m
T p =1.35 s
q =0.011 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.254
H m0 =0.097 m
T p =1.38 s
q =0.018 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.255
H m0 =0.114 m
T p =1.42 s
q =0.059 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.256
H m0 =0.067 m
T p =1.14 s
q =8.3e−005 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

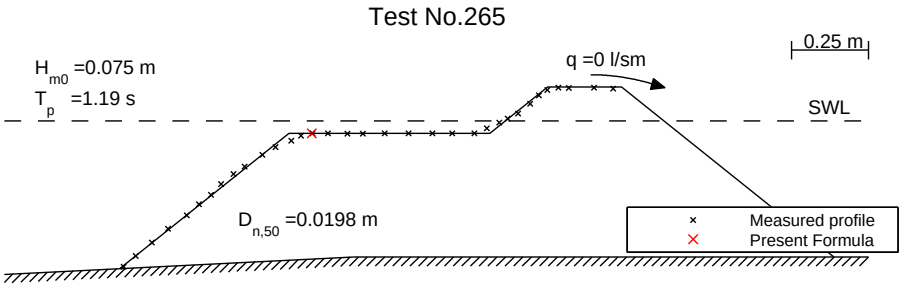

Test No.257
H m0 =0.080 m
T p =1.22 s
q =0.001 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula

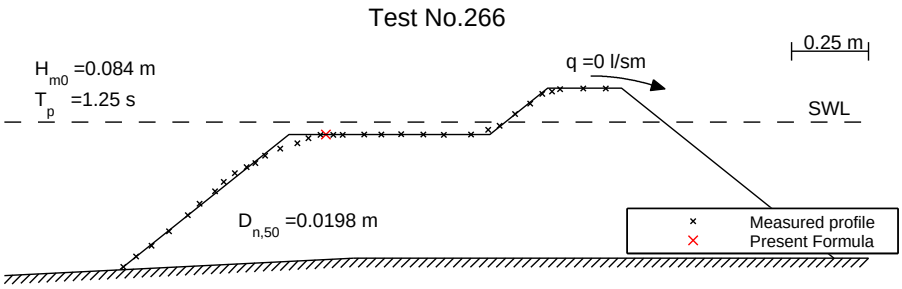

Test No.258
H m0 =0.083 m
T p =1.25 s
q =0.0046 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula

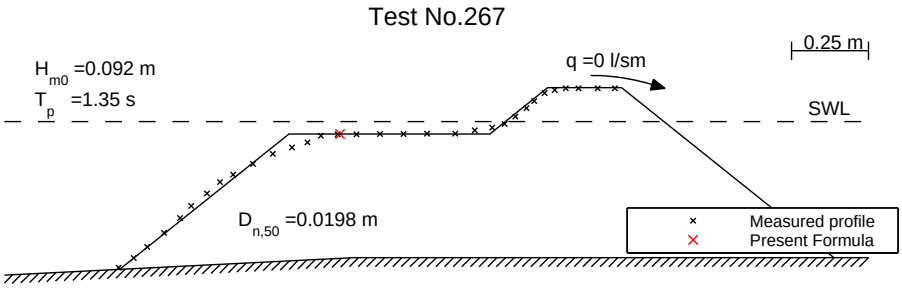

Test No.259
H m0 =0.096 m
T p =1.35 s
q =0.012 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula

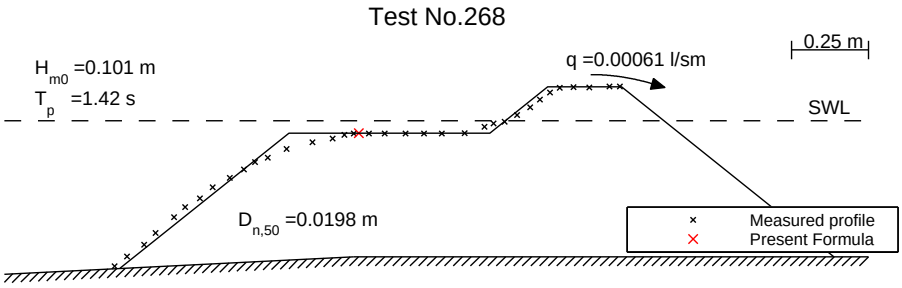

Test No.260
H m0 =0.101 m
T p =1.42 s
q =0.03 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula

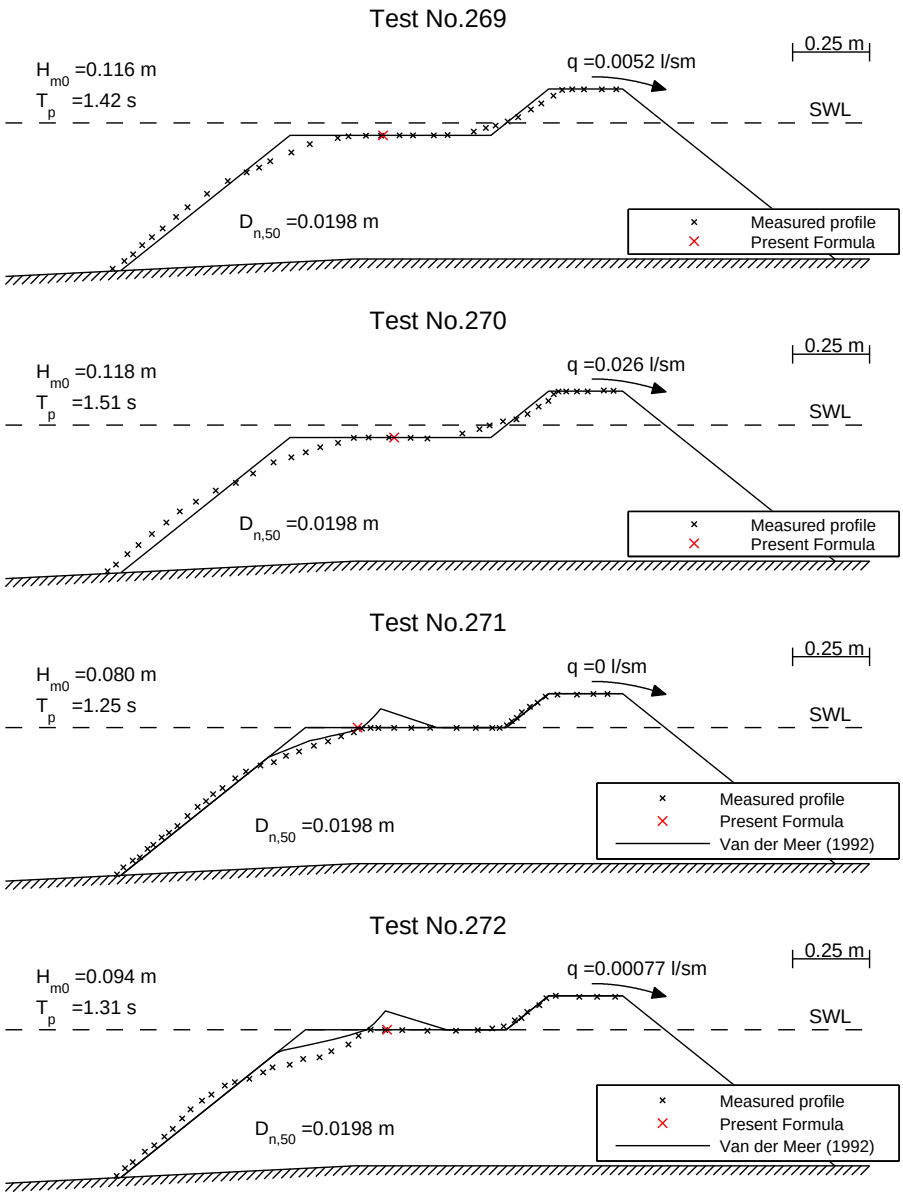

Test No.261
H m0 =0.081 m
T p =1.19 s
q =0.00024 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Test No.262
H m0 =0.090 m
T p =1.28 s
q =0.0012 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Test No.263
H m0 =0.096 m
T p =1.31 s
q =0.0055 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Test No.264
H m0 =0.103 m
T p =1.35 s
q =0.025 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula

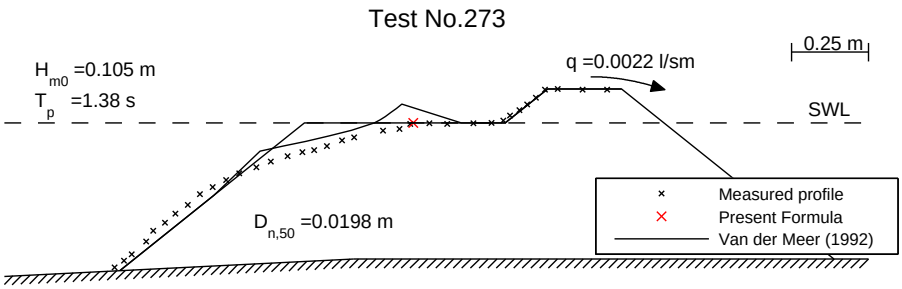

Test No.265
H m0 =0.075 m
T p =1.19 s
q =0 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula

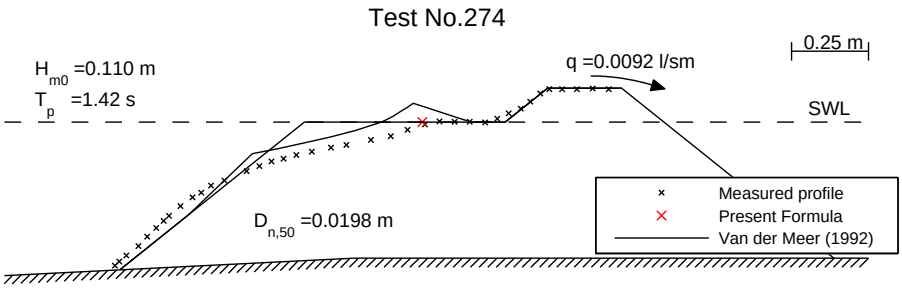

Test No.266
H m0 =0.084 m
T p =1.25 s
q =0 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula

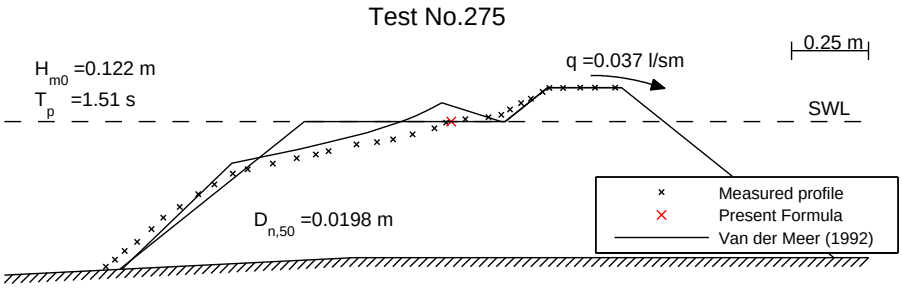

Test No.267
H m0 =0.092 m
T p =1.35 s
q =0 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula

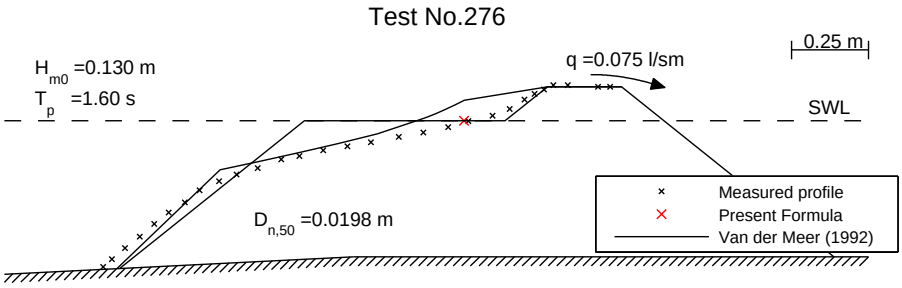

Test No.268
H m0 =0.101 m
T p =1.42 s
q =0.00061 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula

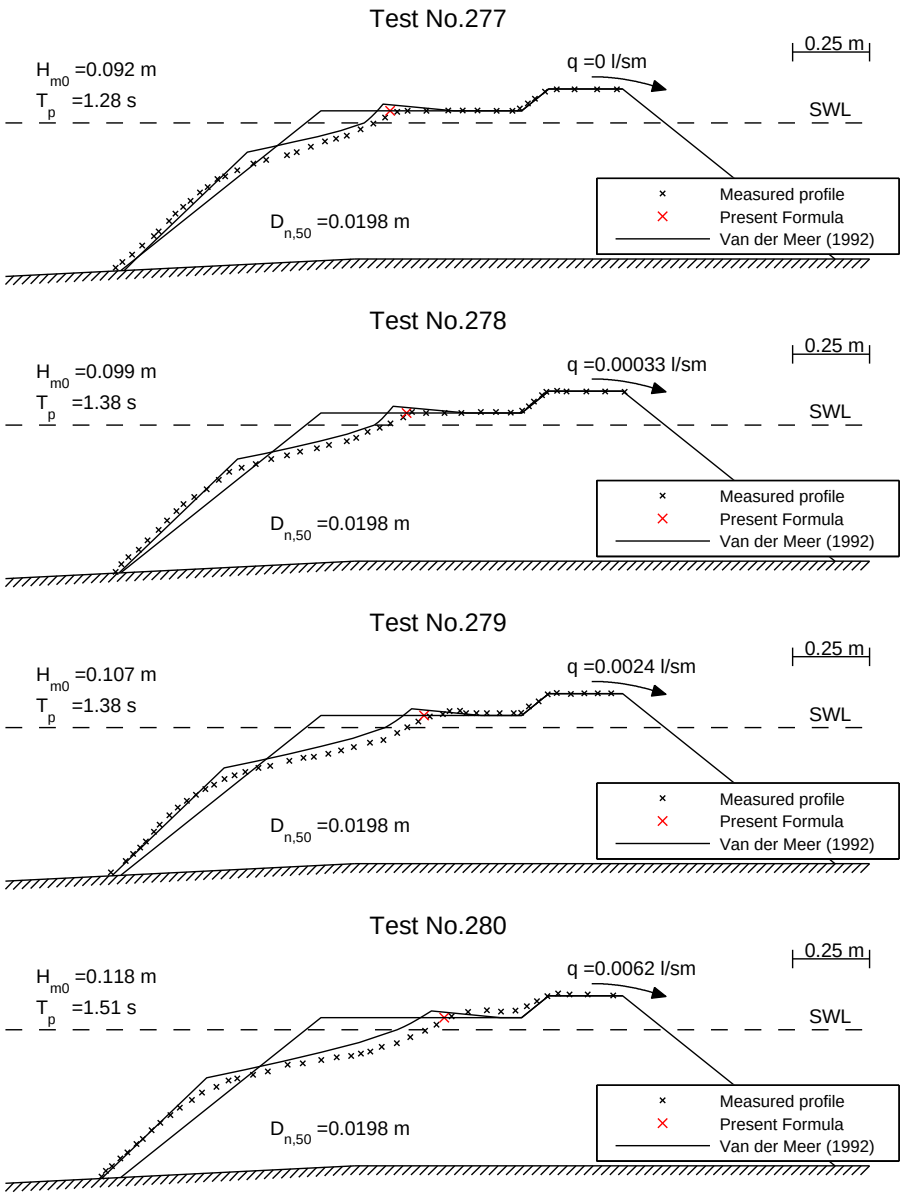

Test No.269
H m0 =0.116 m
T p =1.42 s
q =0.0052 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Test No.270
H m0 =0.118 m
T p =1.51 s
q =0.026 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Test No.271
H m0 =0.080 m
T p =1.25 s
q =0 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.272
H m0 =0.094 m
T p =1.31 s
q =0.00077 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

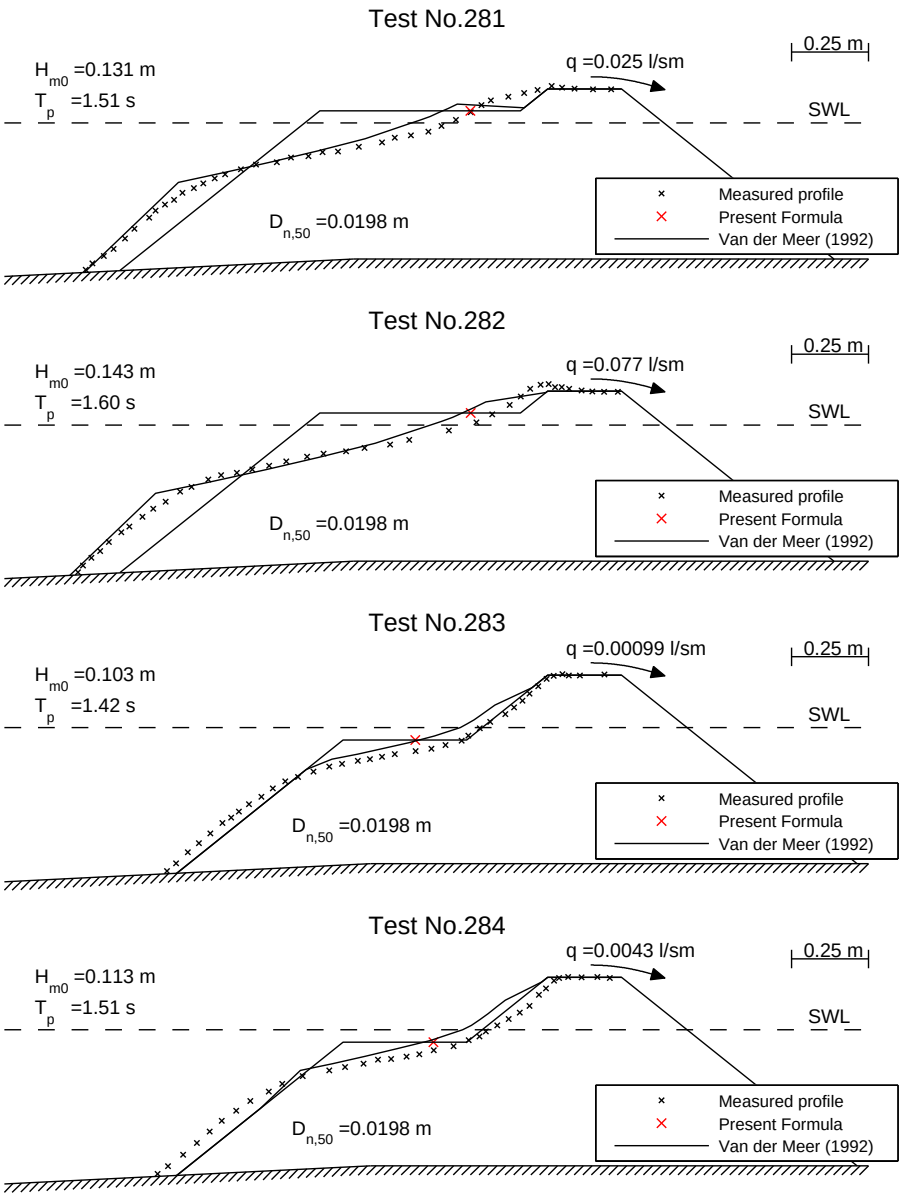

Test No.273
H m0 =0.105 m
T p =1.38 s
q =0.0022 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

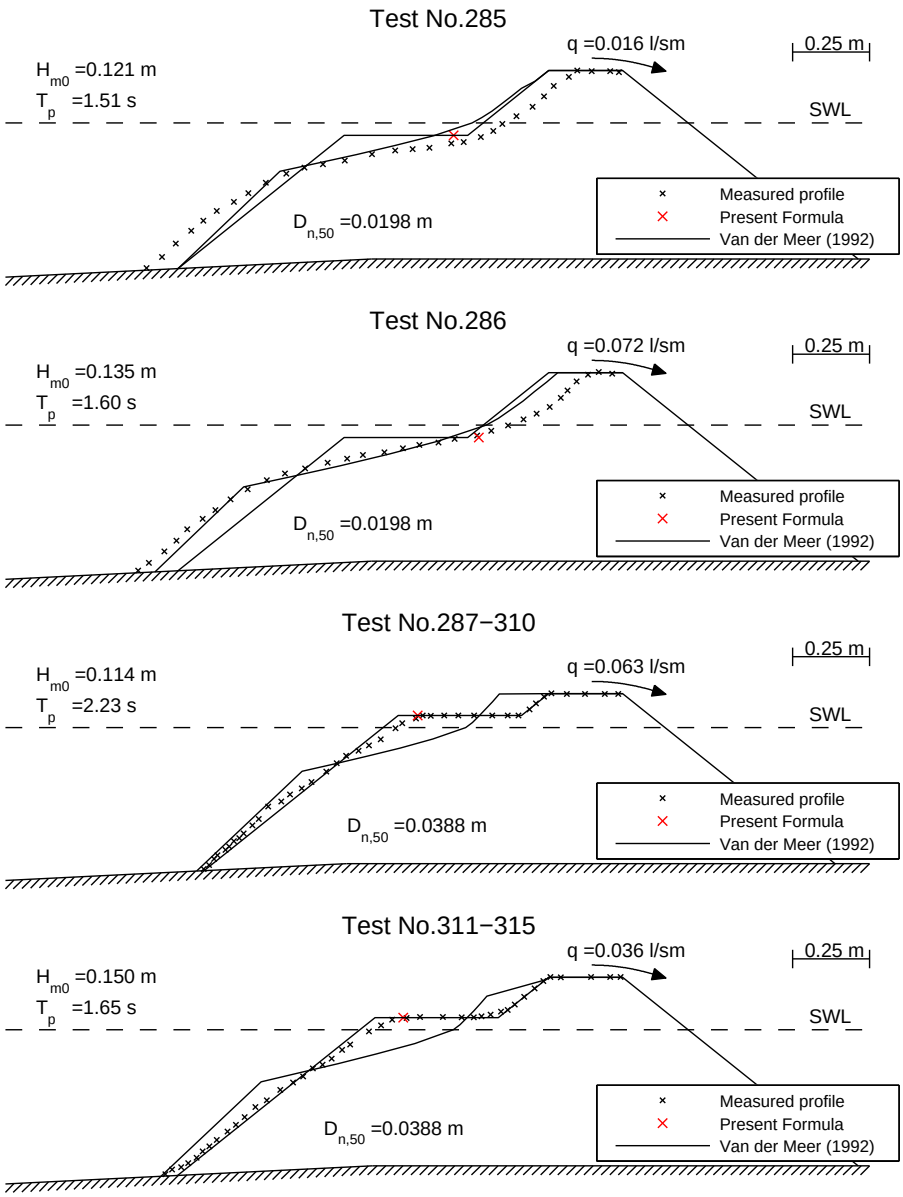

Test No.274
H m0 =0.110 m
T p =1.42 s
q =0.0092 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

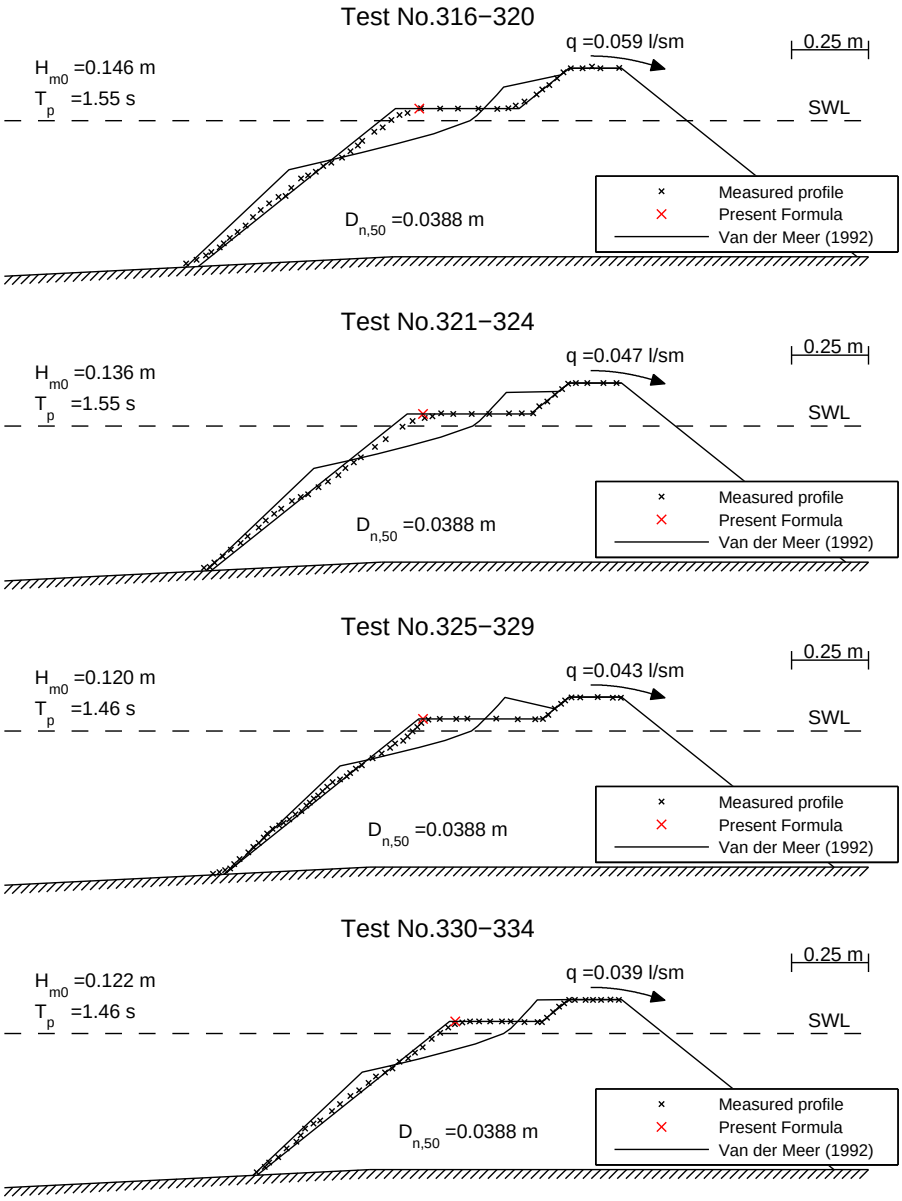

Test No.275
H m0 =0.122 m
T p =1.51 s
q =0.037 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

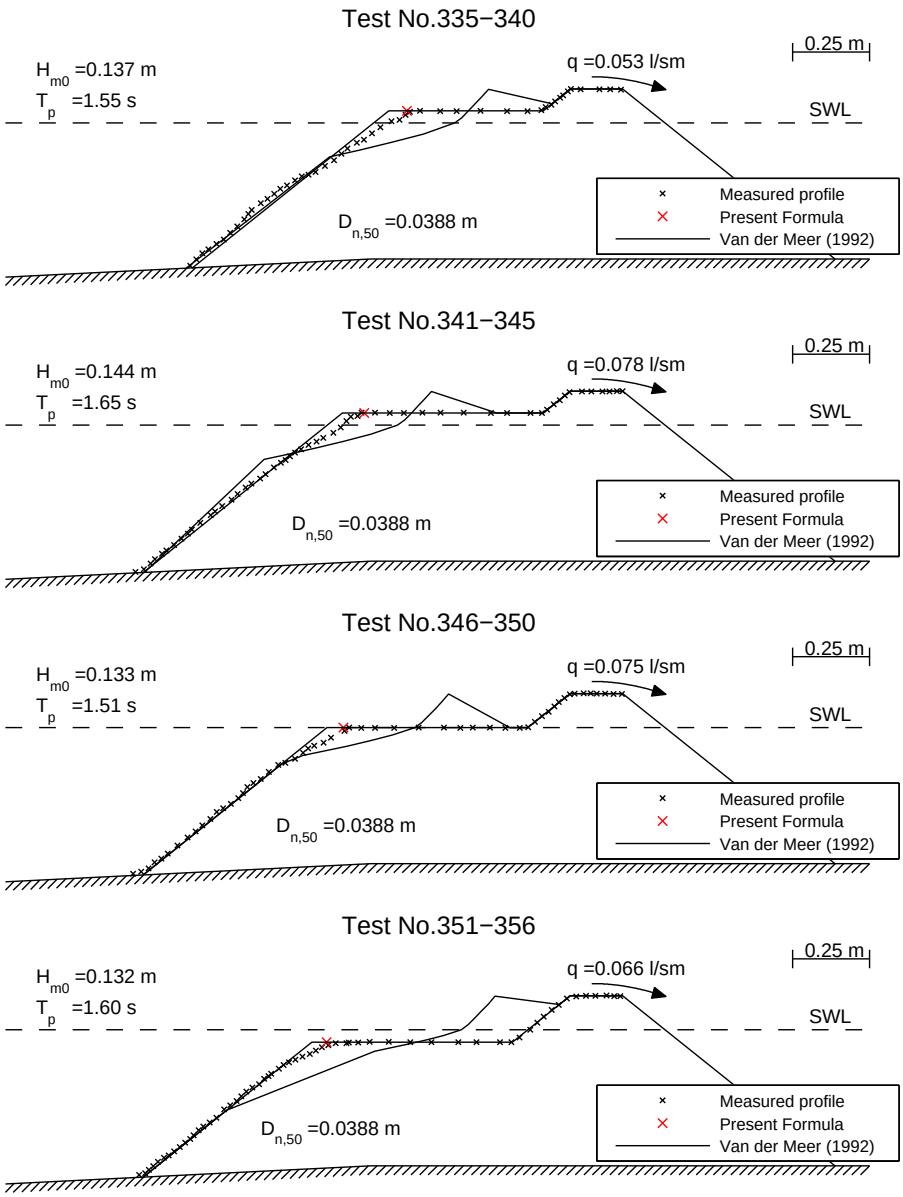

Test No.276
H m0 =0.130 m
T p =1.60 s
q =0.075 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

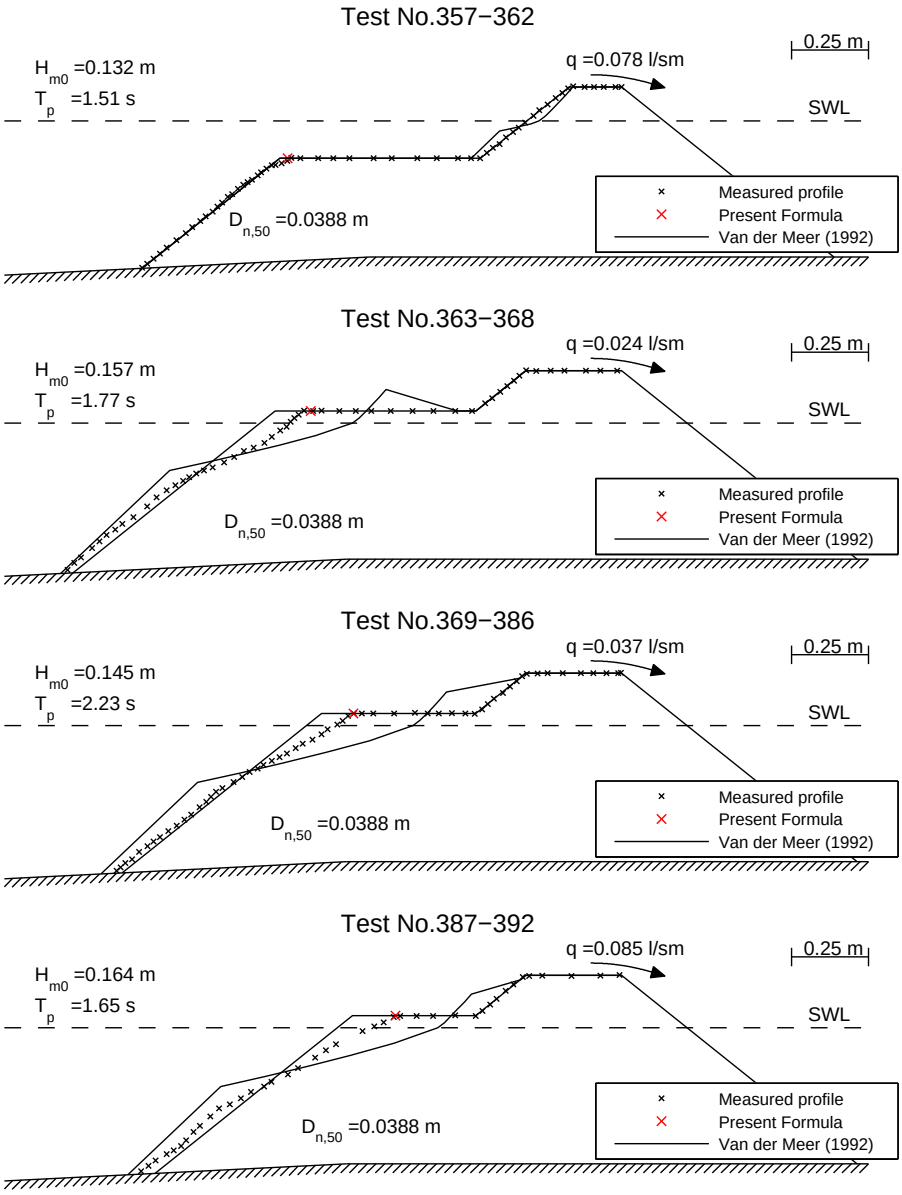

Test No.277
H m0 =0.092 m
T p =1.28 s
q =0 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.278
H m0 =0.099 m
T p =1.38 s
q =0.00033 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.279
H m0 =0.107 m
T p =1.38 s
q =0.0024 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.280
H m0 =0.118 m
T p =1.51 s
q =0.0062 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

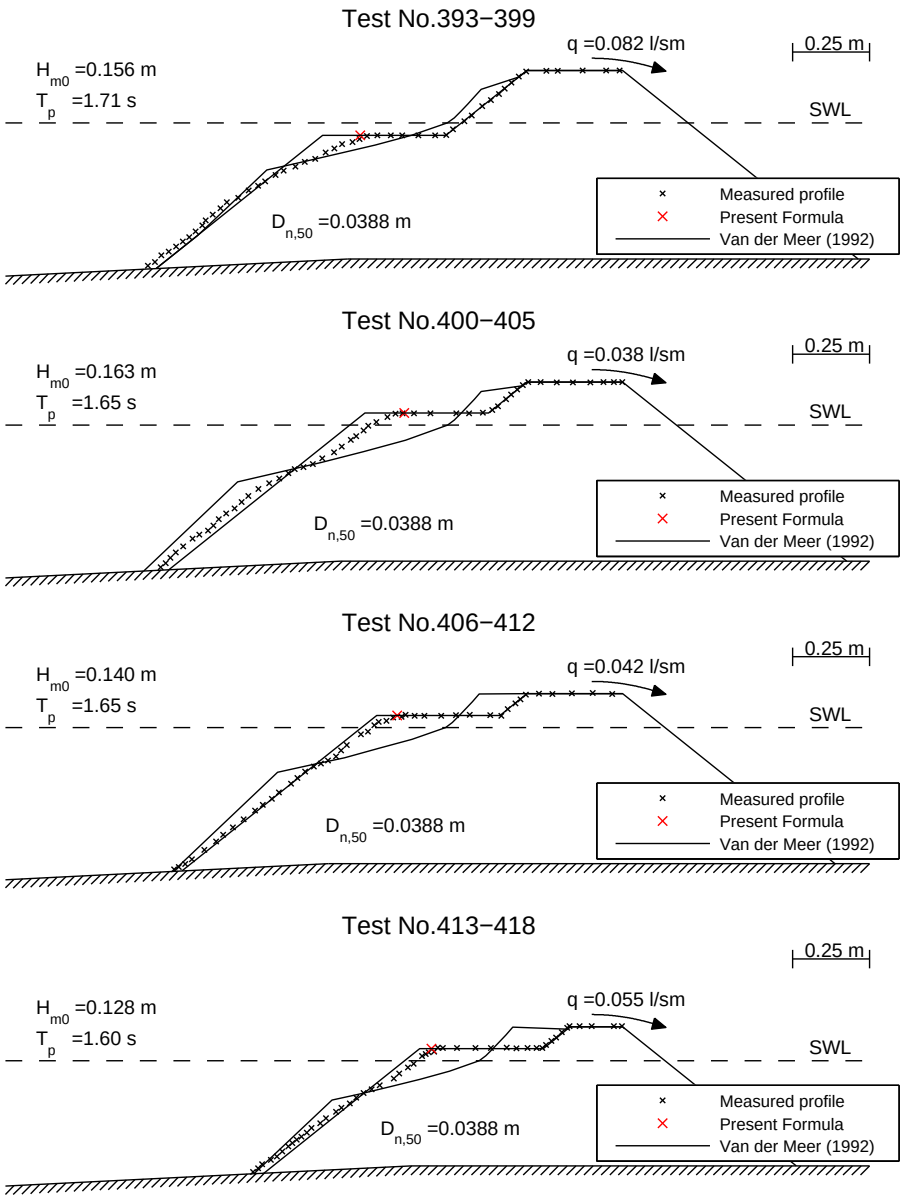

Test No.281
H m0 =0.131 m
T p =1.51 s
q =0.025 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.282
H m0 =0.143 m
T p =1.60 s
q =0.077 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.283
H m0 =0.103 m
T p =1.42 s
q =0.00099 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.284
H m0 =0.113 m
T p =1.51 s
q =0.0043 l/sm
0.25 m
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

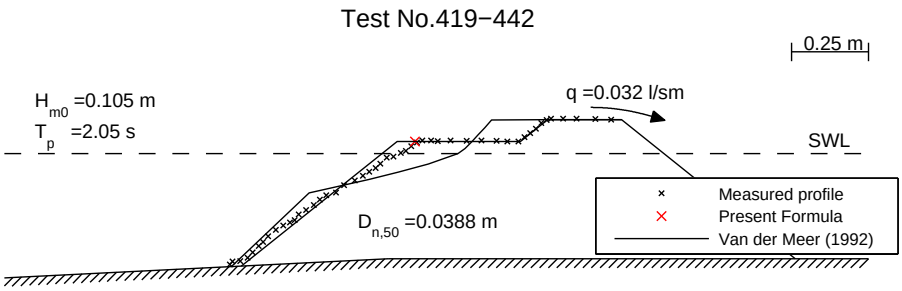

Test No.285
q =0.016 l/sm
0.25 m
H m0 =0.121 m
T p =1.51 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.286
q =0.072 l/sm
0.25 m
H m0 =0.135 m
T p =1.60 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.287−310
0.25 m
q =0.063 l/sm
H m0 =0.114 m
T p =2.23 s
SWL
D n,50 =0.0388 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.311−315
q =0.036 l/sm
0.25 m
H m0 =0.150 m
T p =1.65 s
SWL
D n,50 =0.0388 m
Measured profile
Present Formula
Van der Meer (1992)

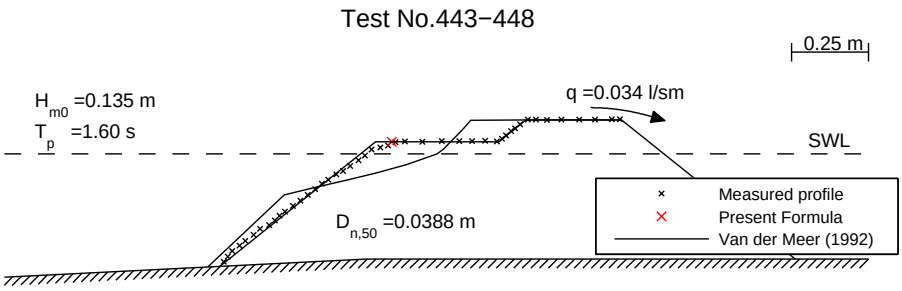

Test No.316−320
q =0.059 l/sm
0.25 m
H m0 =0.146 m
T p =1.55 s
SWL
D n,50 =0.0388 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.321−324
q =0.047 l/sm
0.25 m
H m0 =0.136 m
T p =1.55 s
SWL
D n,50 =0.0388 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.325−329
q =0.043 l/sm
0.25 m
H m0 =0.120 m
T p =1.46 s
SWL
D n,50 =0.0388 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.330−334
q =0.039 l/sm
0.25 m
H m0 =0.122 m
T p =1.46 s
SWL
D n,50 =0.0388 m
Measured profile
Present Formula
Van der Meer (1992)

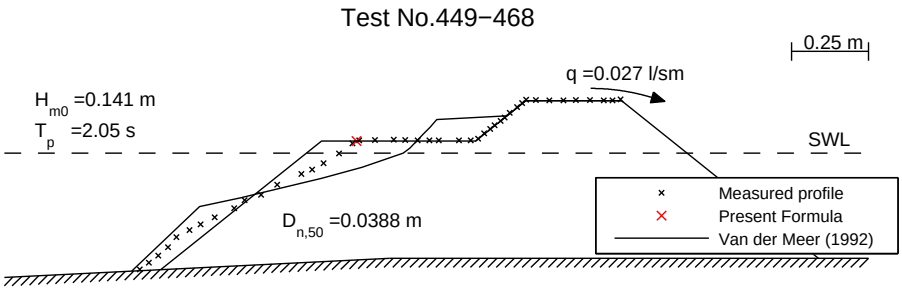

Test No.335−340
H m0 =0.137 m
T p =1.55 s
q =0.053 l/sm
0.25 m
SWL
D n,50 =0.0388 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.341−345
H m0 =0.144 m
T p =1.65 s
q =0.078 l/sm
0.25 m
SWL
D n,50 =0.0388 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.346−350
H m0 =0.133 m
T p =1.51 s
q =0.075 l/sm
0.25 m
SWL
D n,50 =0.0388 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.351−356
H m0 =0.132 m
T p =1.60 s
q =0.066 l/sm
0.25 m
SWL
D n,50 =0.0388 m
Measured profile
Present Formula
Van der Meer (1992)

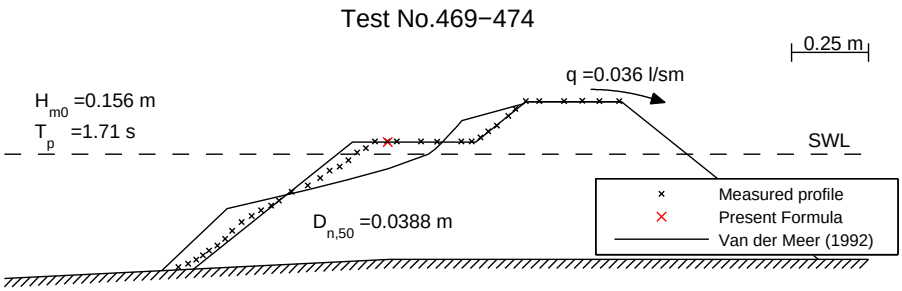

Test No.357−362
H m0 =0.132 m
T p =1.51 s
q =0.078 l/sm
0.25 m
SWL
D n,50 =0.0388 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.363−368
H m0 =0.157 m
T p =1.77 s
q =0.024 l/sm
0.25 m
SWL
D n,50 =0.0388 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.369−386
H m0 =0.145 m
T p =2.23 s
q =0.037 l/sm
0.25 m
SWL
D n,50 =0.0388 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.387−392
H m0 =0.164 m
T p =1.65 s
q =0.085 l/sm
0.25 m
SWL
D n,50 =0.0388 m
Measured profile
Present Formula
Van der Meer (1992)

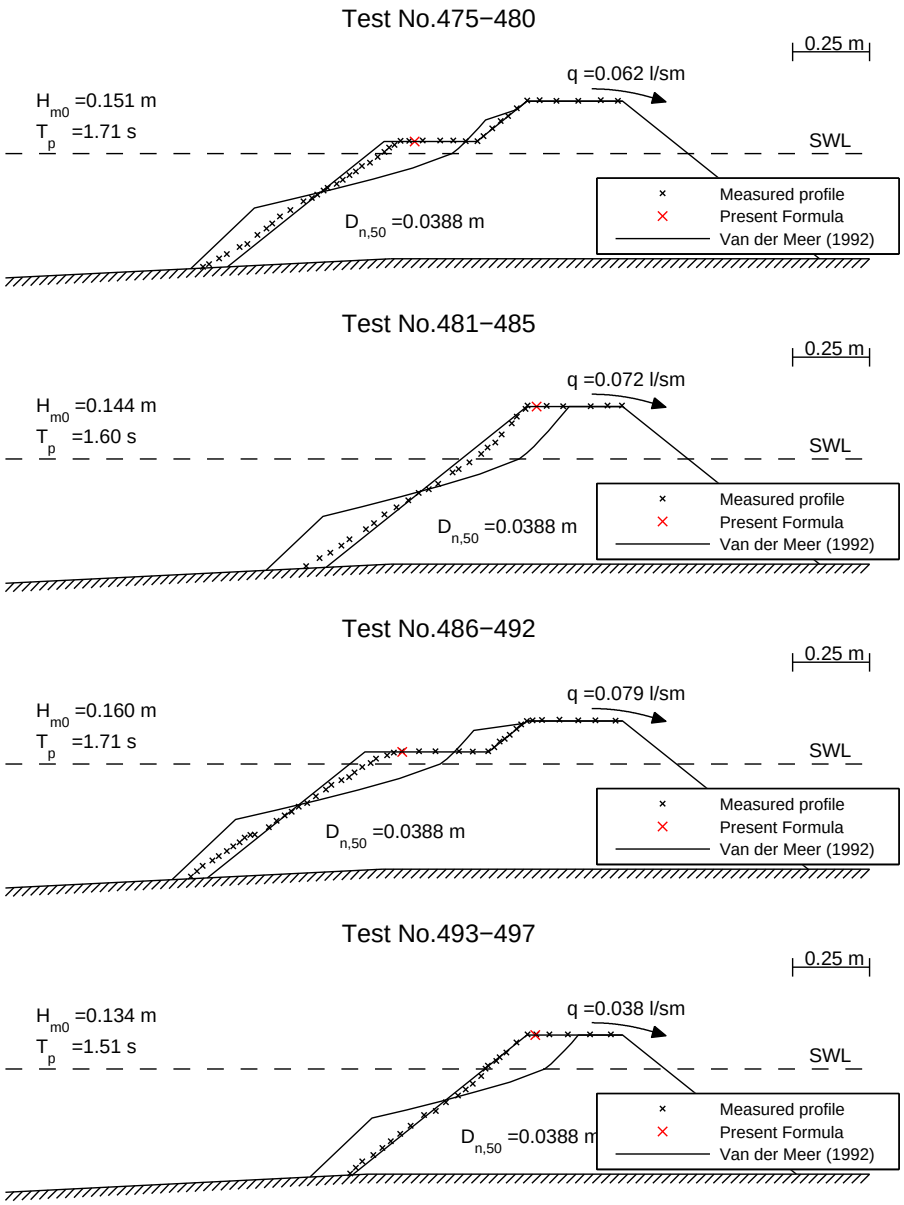

Test No.393−399
q =0.082 l/sm
0.25 m
H m0 =0.156 m
T p =1.71 s
SWL
D n,50 =0.0388 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.400−405
q =0.038 l/sm
0.25 m
H m0 =0.163 m
T p =1.65 s
SWL
D n,50 =0.0388 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.406−412
0.25 m
q =0.042 l/sm
H m0 =0.140 m
T p =1.65 s
SWL
D n,50 =0.0388 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.413−418
0.25 m
q =0.055 l/sm
H m0 =0.128 m
T p =1.60 s
SWL
D n,50 =0.0388 m
Measured profile
Present Formula
Van der Meer (1992)


Test No.419−442
0.25 m
H m0 =0.105 m
T p =2.05 s
q =0.032 l/sm
SWL
D n,50 =0.0388 m
Measured profile
Present Formula
Van der Meer (1992)

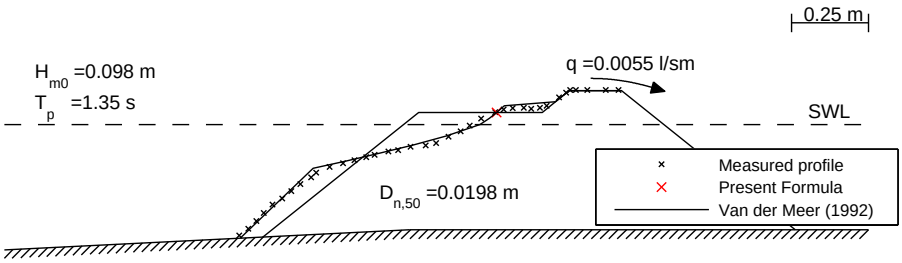

Test No.443−448
0.25 m
H m0 =0.135 m
T p =1.60 s
q =0.034 l/sm
SWL
D n,50 =0.0388 m
Measured profile
Present Formula
Van der Meer (1992)


Test No.449−468
0.25 m
H m0 =0.141 m
T p =2.05 s
q =0.027 l/sm
SWL
D n,50 =0.0388 m
Measured profile
Present Formula
Van der Meer (1992)

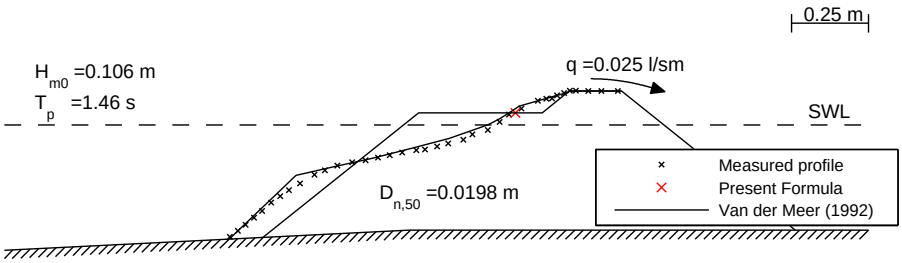

Test No.469−474
0.25 m
H m0 =0.156 m
T p =1.71 s
q =0.036 l/sm
SWL
D n,50 =0.0388 m
Measured profile
Present Formula
Van der Meer (1992)


Test No.475−480
0.25 m
q =0.062 l/sm
H m0 =0.151 m
T p =1.71 s
SWL
D n,50 =0.0388 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.481−485
0.25 m
q =0.072 l/sm
H m0 =0.144 m
T p =1.60 s
SWL
D n,50 =0.0388 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.486−492
0.25 m
q =0.079 l/sm
H m0 =0.160 m
T p =1.71 s
SWL
D n,50 =0.0388 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.493−497
0.25 m
q =0.038 l/sm
H m0 =0.134 m
T p =1.51 s
SWL
D n,50 =0.0388 m
Measured profile
Present Formula
Van der Meer (1992)

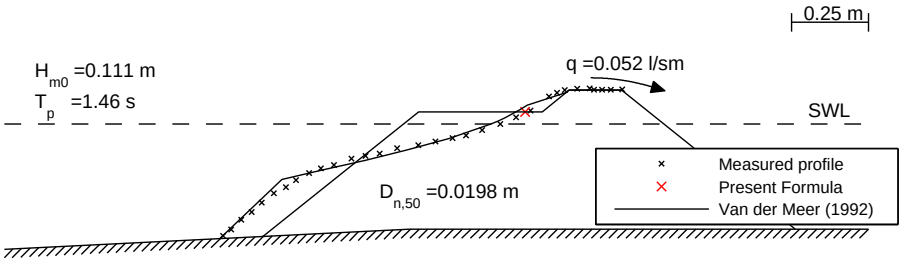
Test No.498



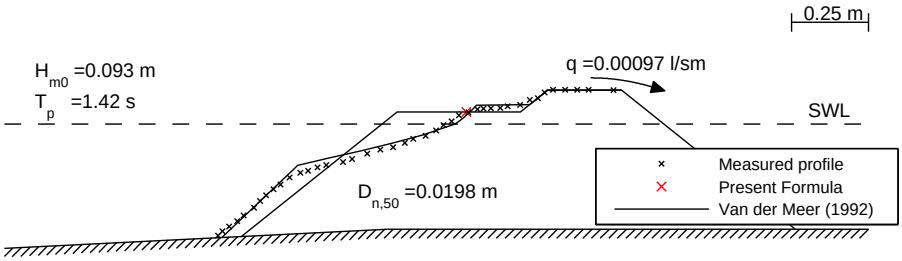
Test No.499

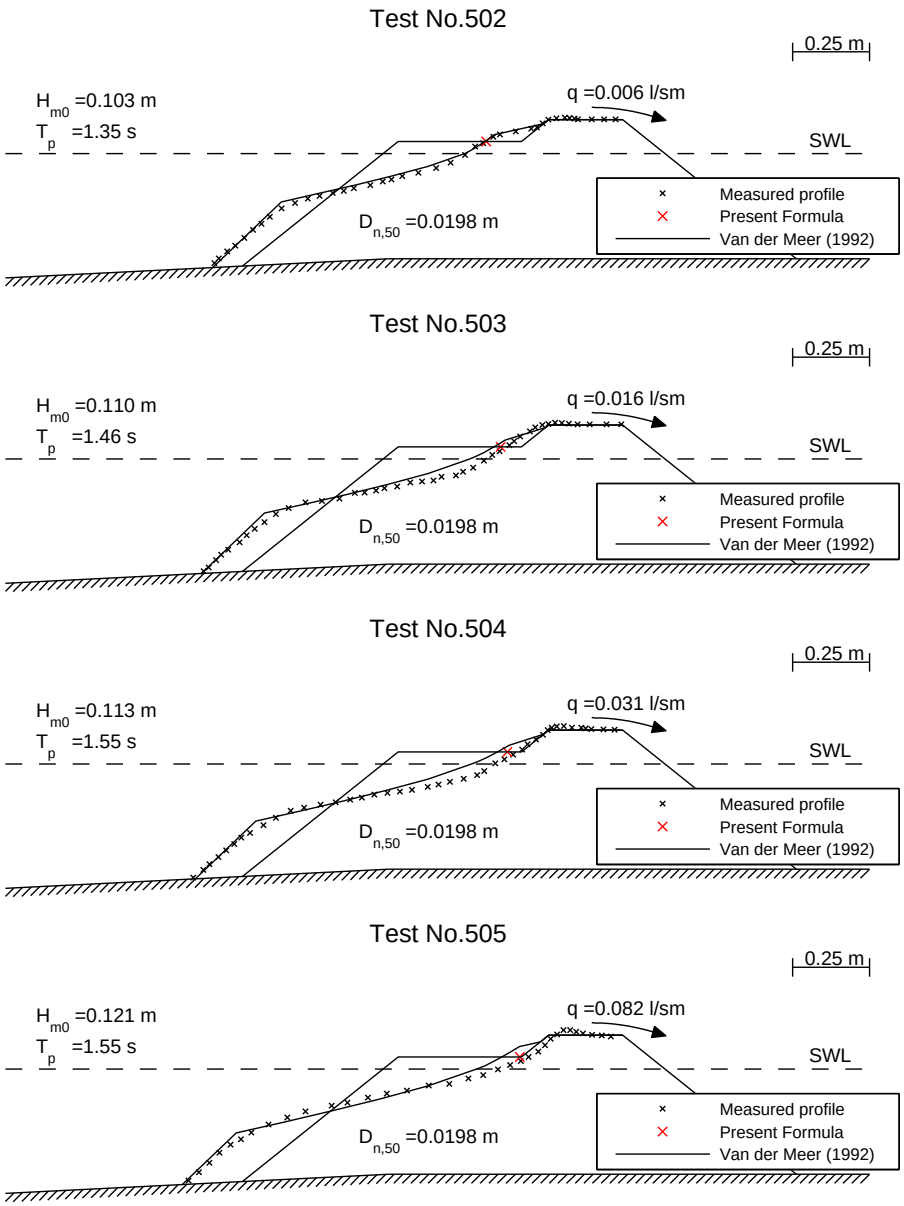


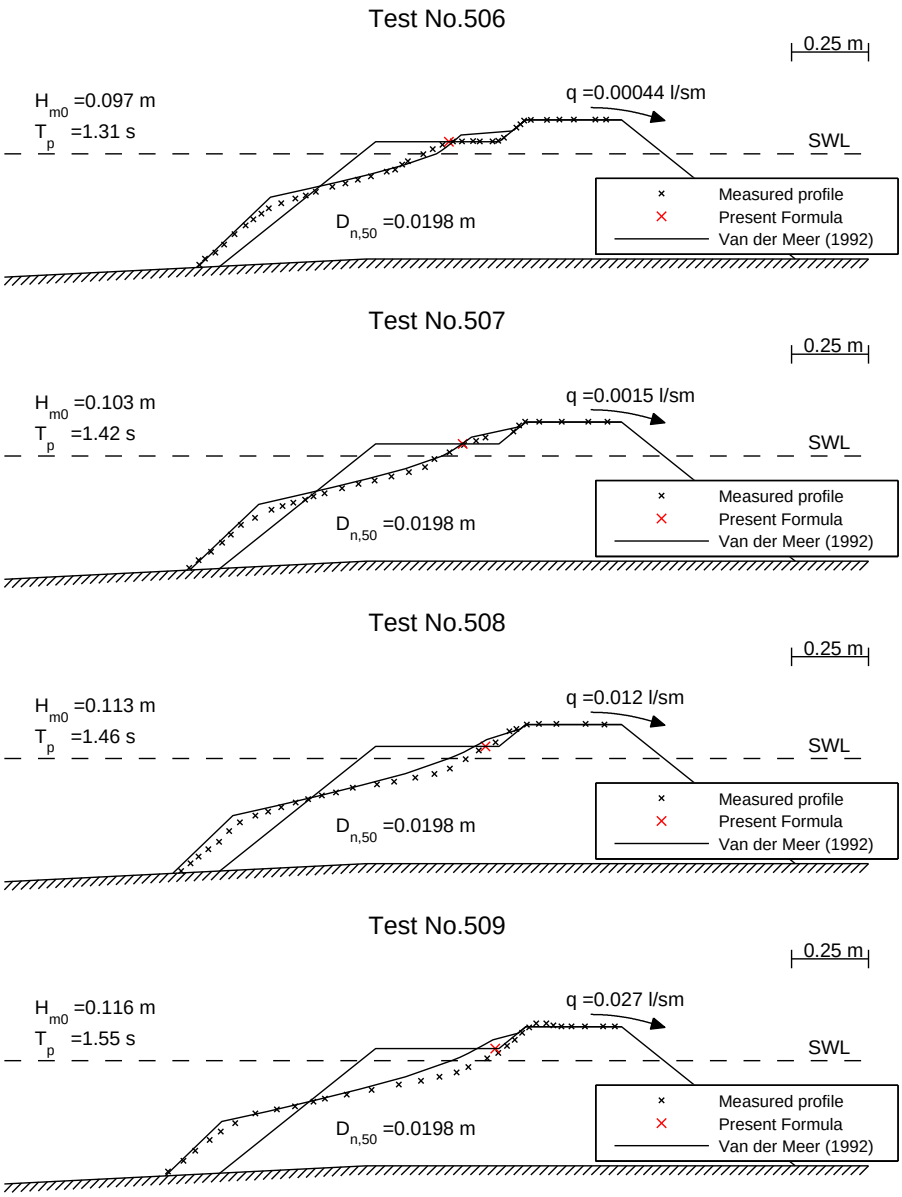
Test No.500

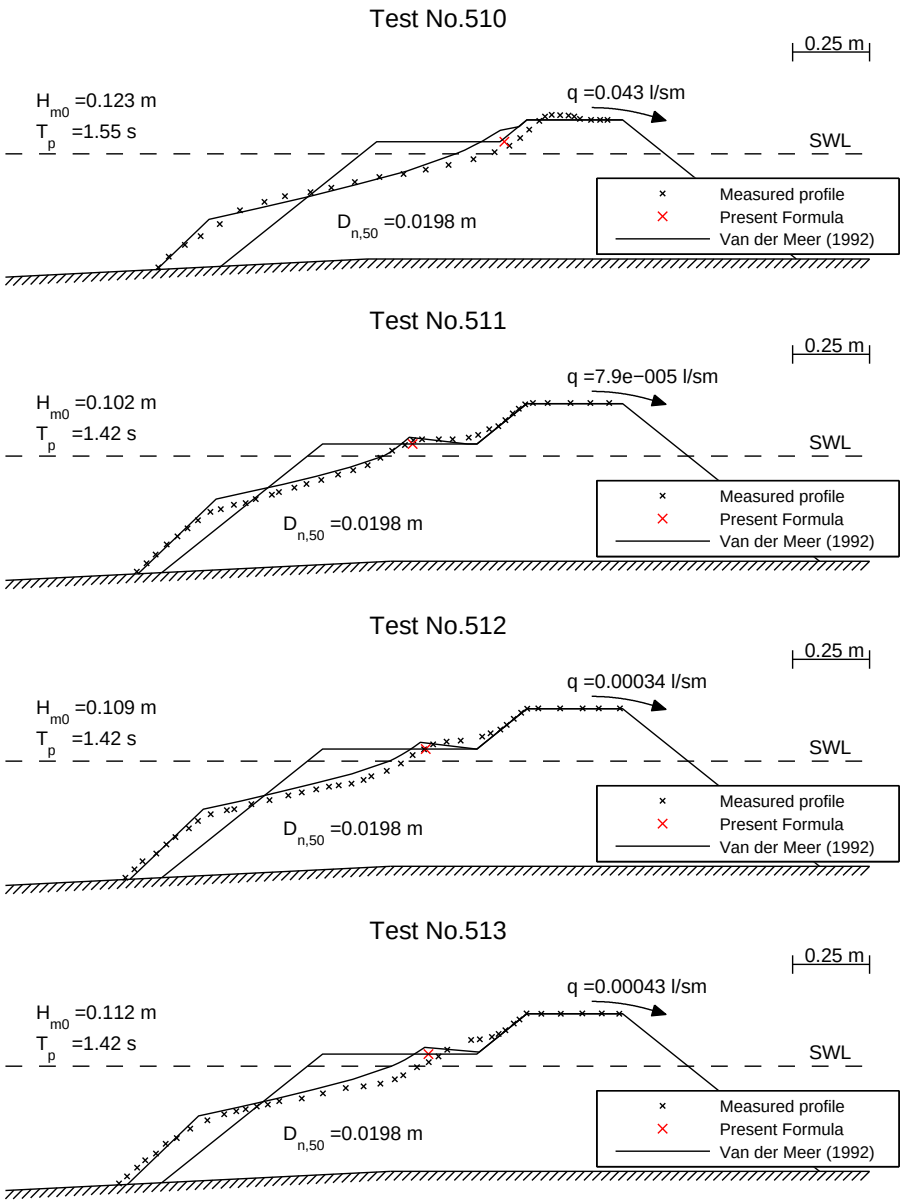


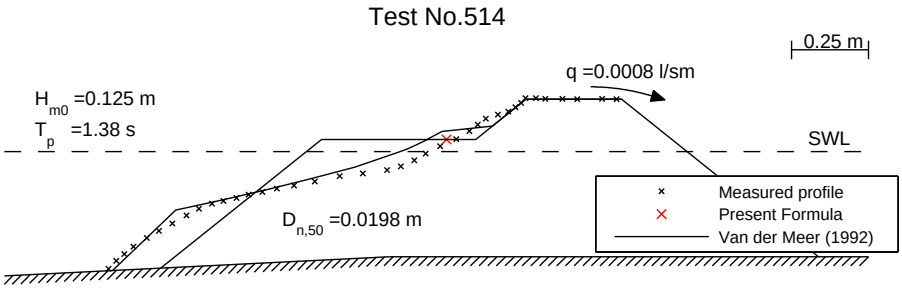
Test No.501

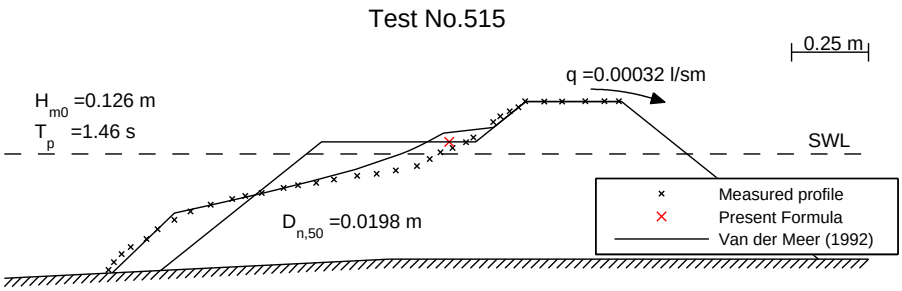


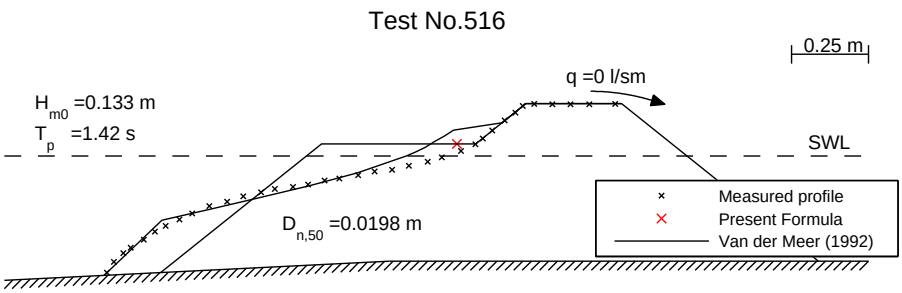

Test No.502
0.25 m
H m0 =0.103 m
T p =1.35 s
q =0.006 l/sm
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.503
0.25 m
H m0 =0.110 m
T p =1.46 s
q =0.016 l/sm
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.504
0.25 m
H m0 =0.113 m
T p =1.55 s
q =0.031 l/sm
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.505
0.25 m
H m0 =0.121 m
T p =1.55 s
q =0.082 l/sm
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

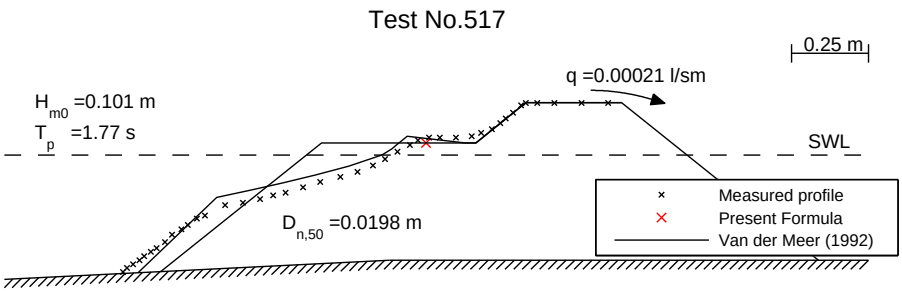

Test No.506
0.25 m
H m0 =0.097 m
T p =1.31 s
q =0.00044 l/sm
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.507
0.25 m
H m0 =0.103 m
T p =1.42 s
q =0.0015 l/sm
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.508
0.25 m
H m0 =0.113 m
T p =1.46 s
q =0.012 l/sm
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.509
0.25 m
H m0 =0.116 m
T p =1.55 s
q =0.027 l/sm
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

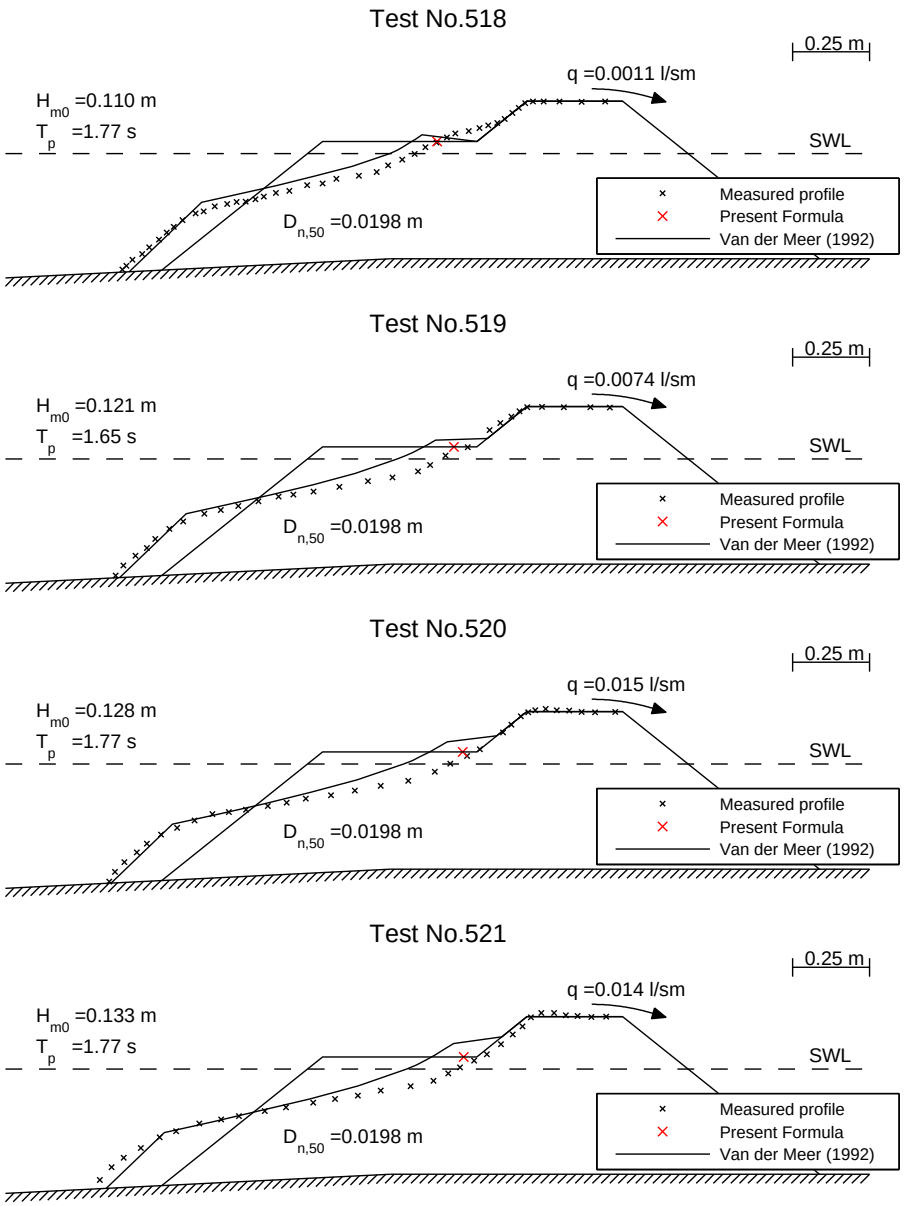

Test No.510
0.25 m
q =0.043 l/sm
H m0 =0.123 m
T p =1.55 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.511
0.25 m
q =7.9e−005 l/sm
H m0 =0.102 m
T p =1.42 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.512
0.25 m
q =0.00034 l/sm
H m0 =0.109 m
T p =1.42 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.513
0.25 m
q =0.00043 l/sm
H m0 =0.112 m
T p =1.42 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

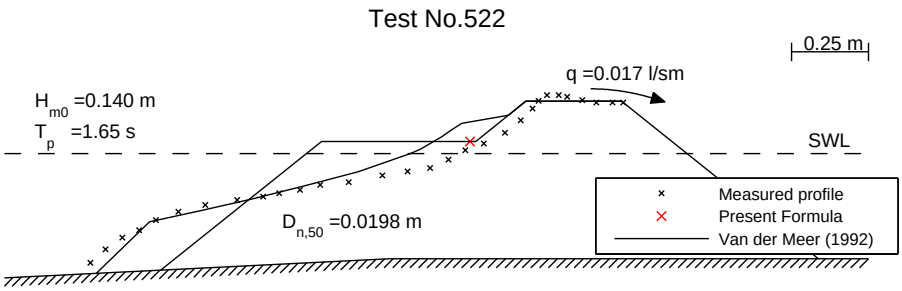

Test No.514
0.25 m
q =0.0008 l/sm
H m0 =0.125 m
T p =1.38 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

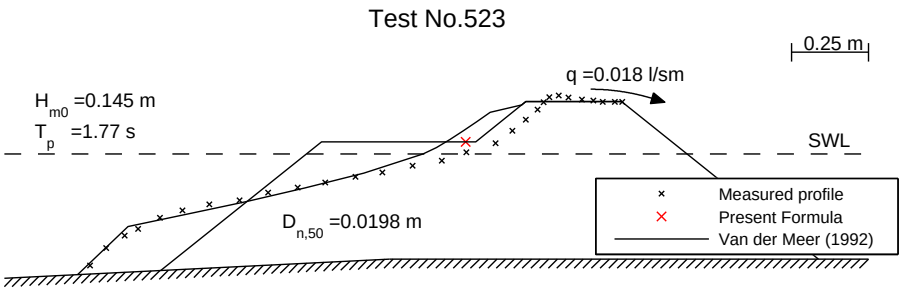

Test No.515
0.25 m
q =0.00032 l/sm
H m0 =0.126 m
T p =1.46 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

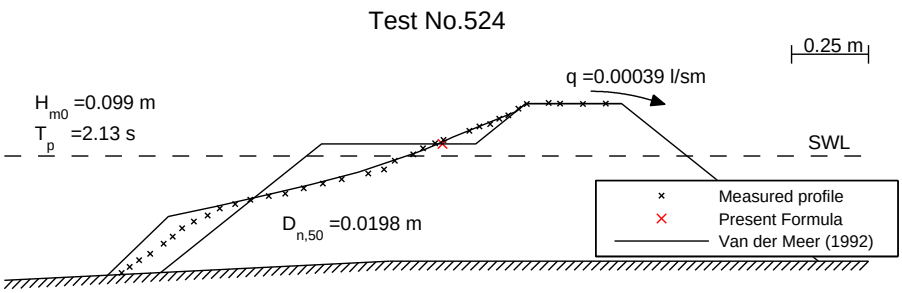

Test No.516
0.25 m
q =0 l/sm
H m0 =0.133 m
T p =1.42 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

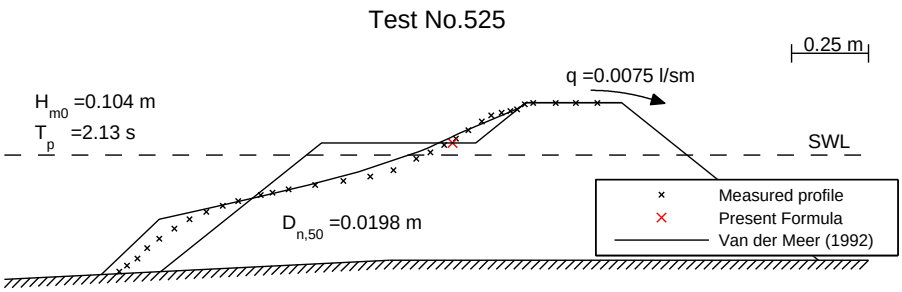

Test No.517
0.25 m
q =0.00021 l/sm
H m0 =0.101 m
T p =1.77 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

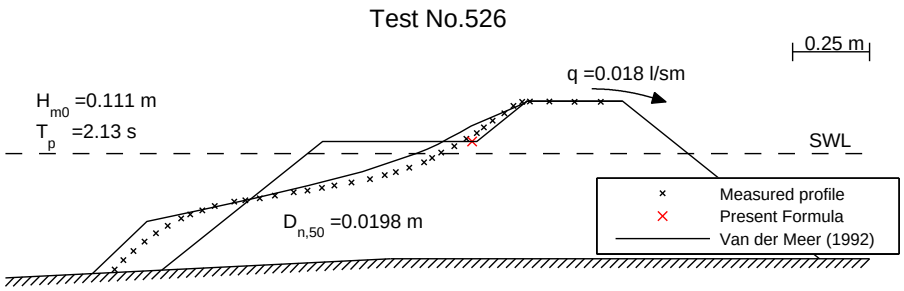

Test No.518
0.25 m
q =0.0011 l/sm
H m0 =0.110 m
T p =1.77 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.519
0.25 m
q =0.0074 l/sm
H m0 =0.121 m
T p =1.65 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.520
0.25 m
q =0.015 l/sm
H m0 =0.128 m
T p =1.77 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.521
0.25 m
q =0.014 l/sm
H m0 =0.133 m
T p =1.77 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

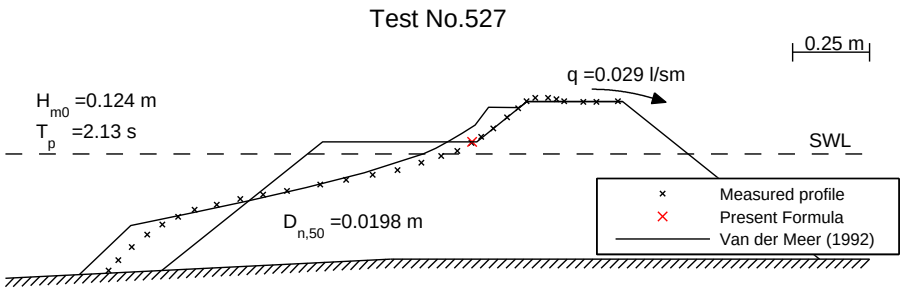

Test No.522
0.25 m
q =0.017 l/sm
H m0 =0.140 m
T p =1.65 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

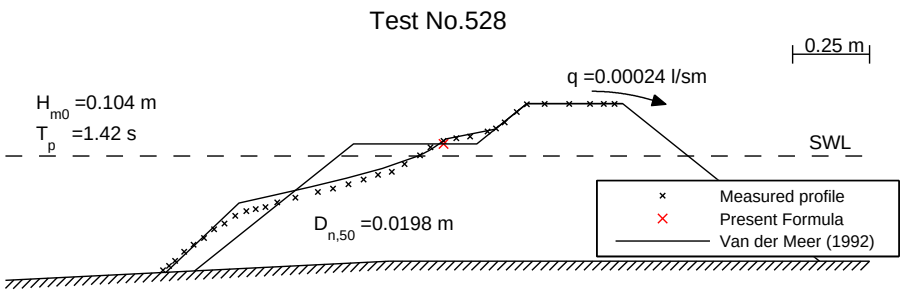

Test No.523
0.25 m
q =0.018 l/sm
H m0 =0.145 m
T p =1.77 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

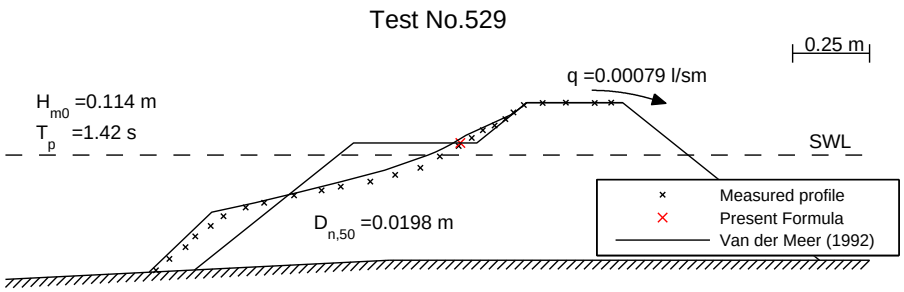

Test No.524
0.25 m
q =0.00039 l/sm
H m0 =0.099 m
T p =2.13 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

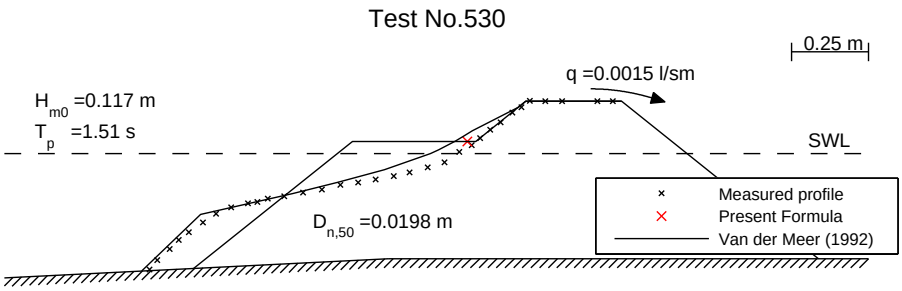

Test No.525
0.25 m
q =0.0075 l/sm
H m0 =0.104 m
T p =2.13 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

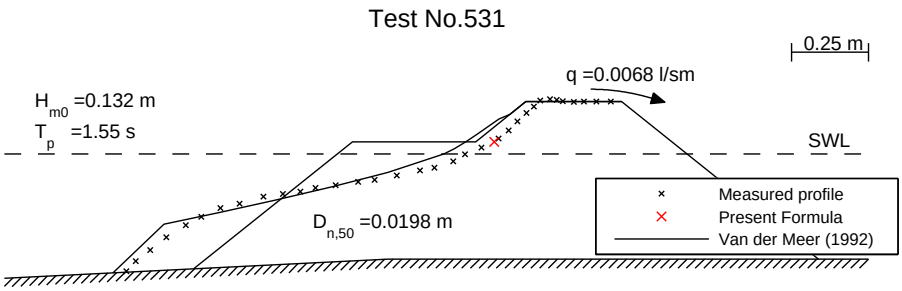

Test No.526
0.25 m
q =0.018 l/sm
H m0 =0.111 m
T p =2.13 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

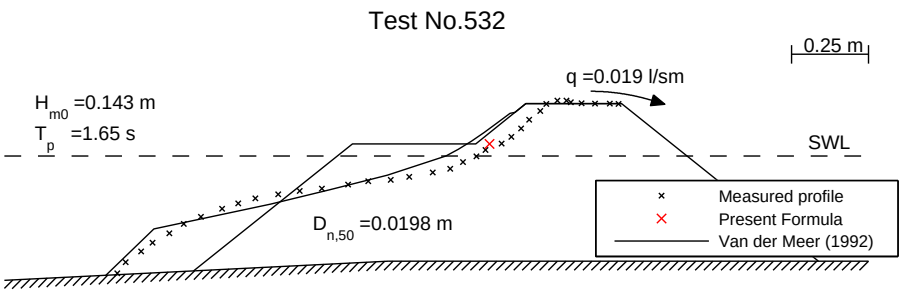

Test No.527
0.25 m
q =0.029 l/sm
H m0 =0.124 m
T p =2.13 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

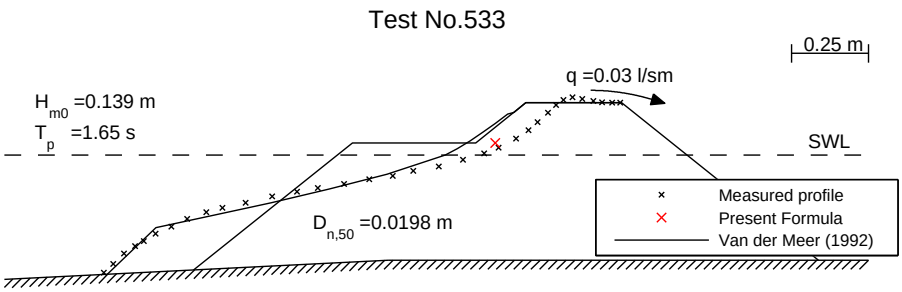

Test No.528
0.25 m
q =0.00024 l/sm
H m0 =0.104 m
T p =1.42 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

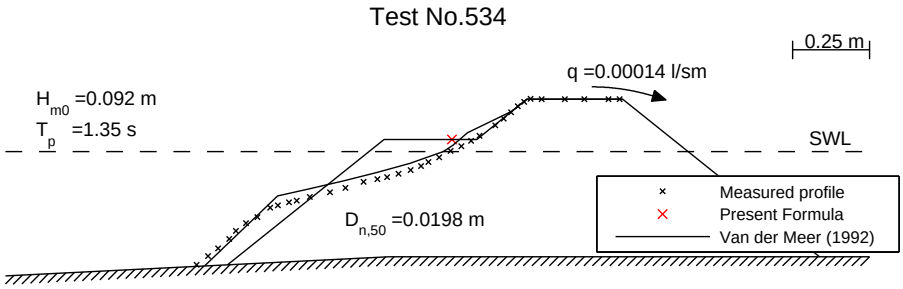

Test No.529
0.25 m
q =0.00079 l/sm
H m0 =0.114 m
T p =1.42 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

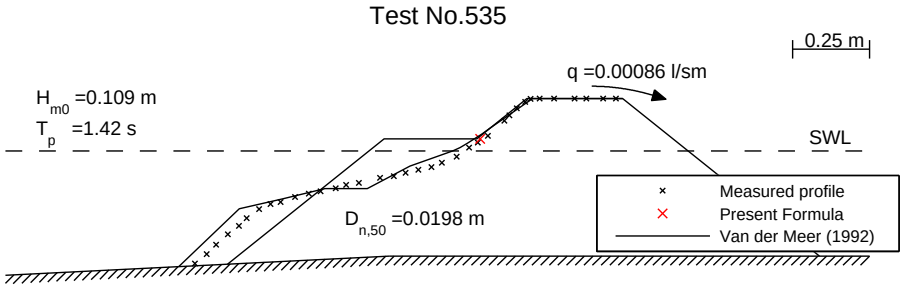

Test No.530
0.25 m
q =0.0015 l/sm
H m0 =0.117 m
T p =1.51 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

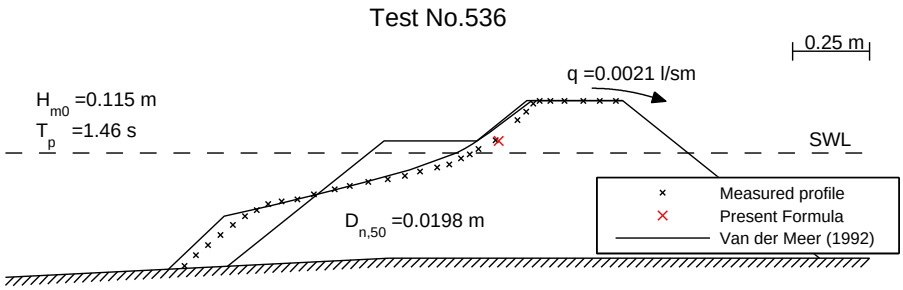

Test No.531
0.25 m
q =0.0068 l/sm
H m0 =0.132 m
T p =1.55 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

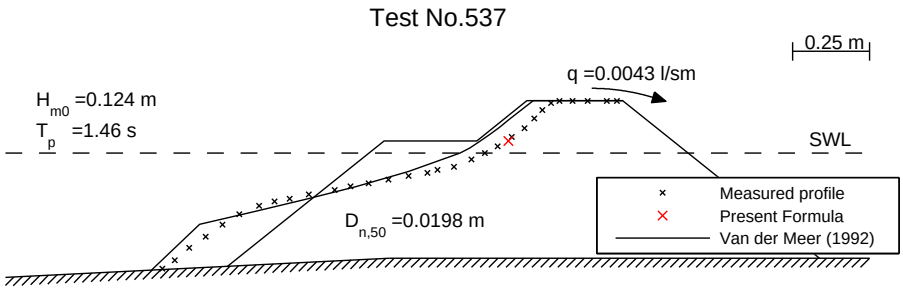

Test No.532
0.25 m
q =0.019 l/sm
H m0 =0.143 m
T p =1.65 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

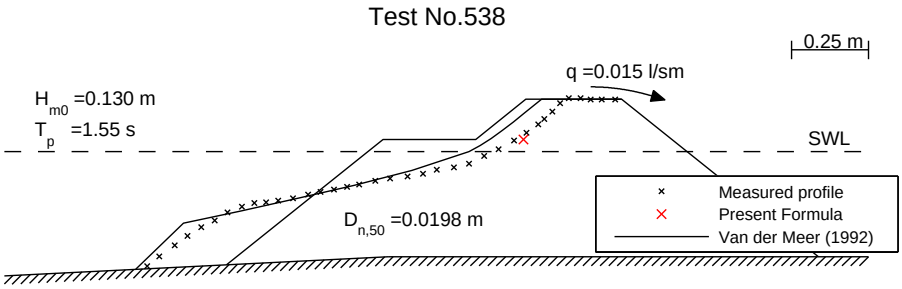

Test No.533
0.25 m
q =0.03 l/sm
H m0 =0.139 m
T p =1.65 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

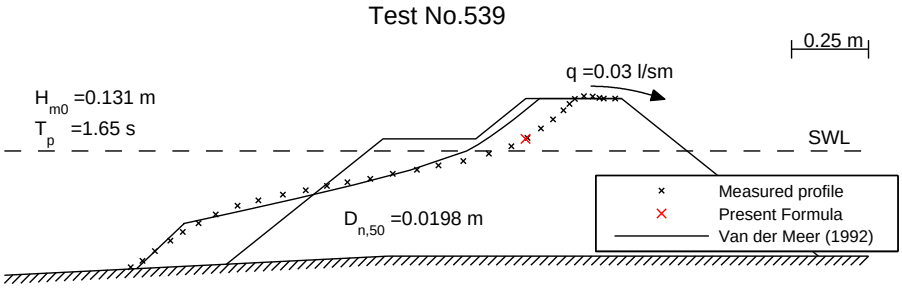

Test No.534
0.25 m
q =0.00014 l/sm
H m0 =0.092 m
T p =1.35 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

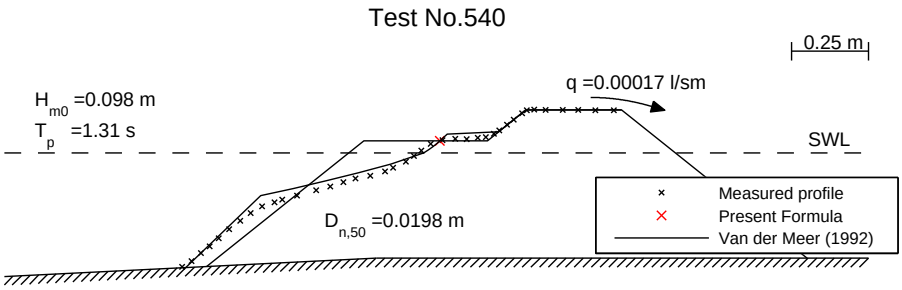

Test No.535
0.25 m
q =0.00086 l/sm
H m0 =0.109 m
T p =1.42 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

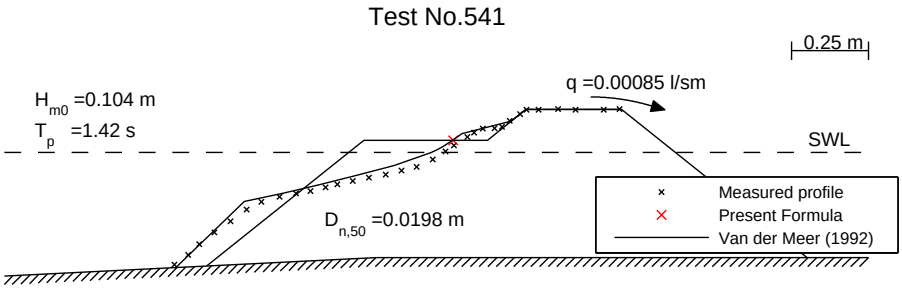

Test No.536
0.25 m
q =0.0021 l/sm
H m0 =0.115 m
T p =1.46 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

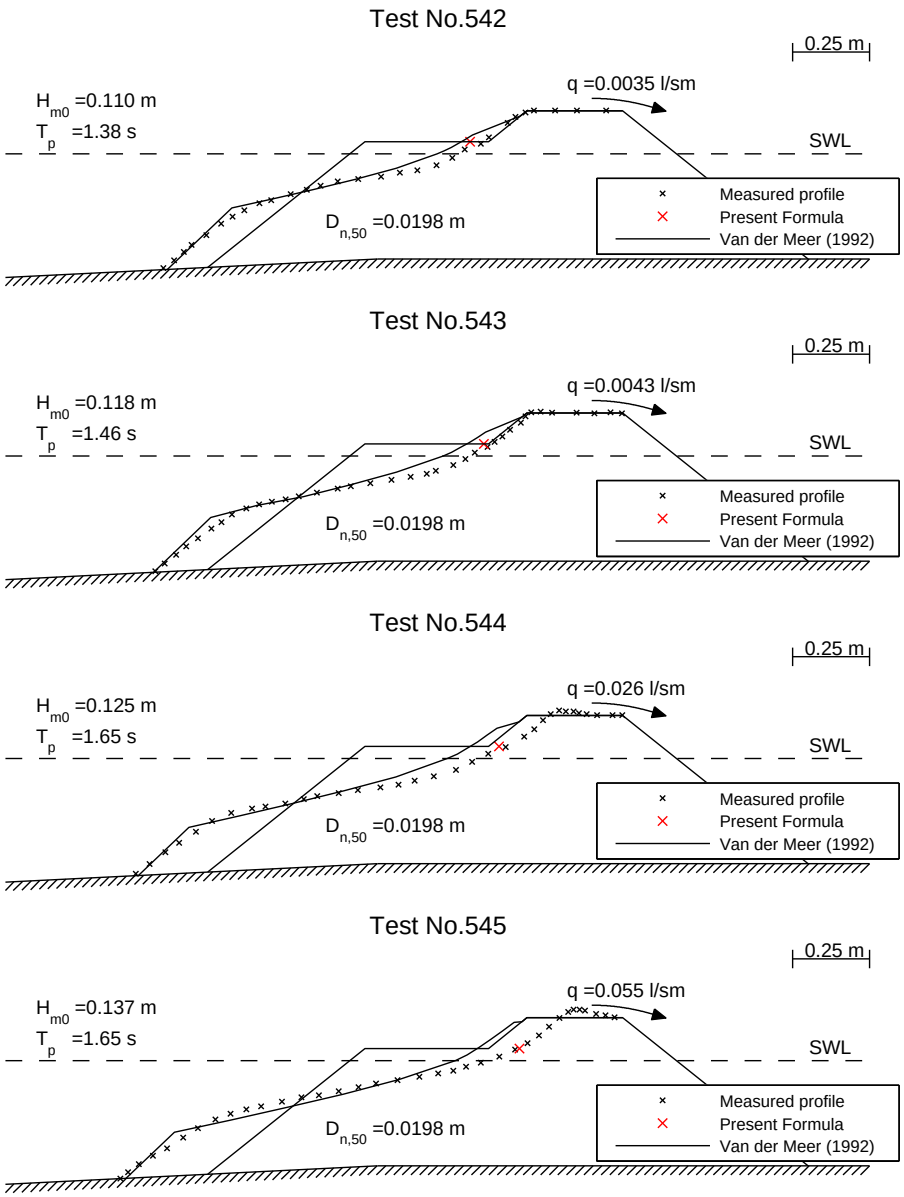

Test No.537
0.25 m
q =0.0043 l/sm
H m0 =0.124 m
T p =1.46 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

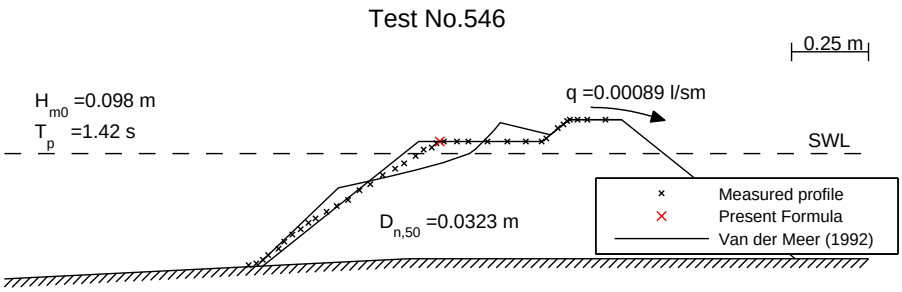

Test No.538
0.25 m
q =0.015 l/sm
H m0 =0.130 m
T p =1.55 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

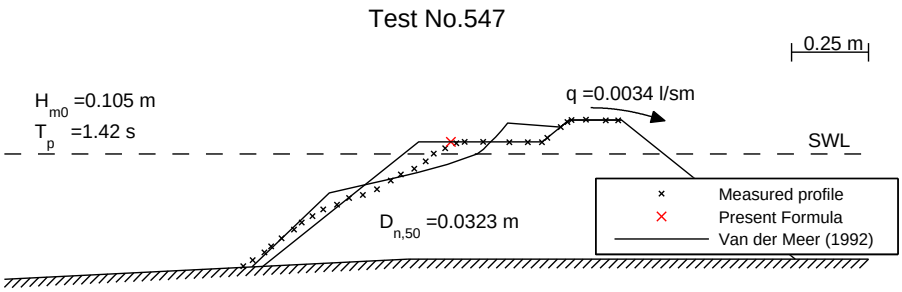

Test No.539
0.25 m
q =0.03 l/sm
H m0 =0.131 m
T p =1.65 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

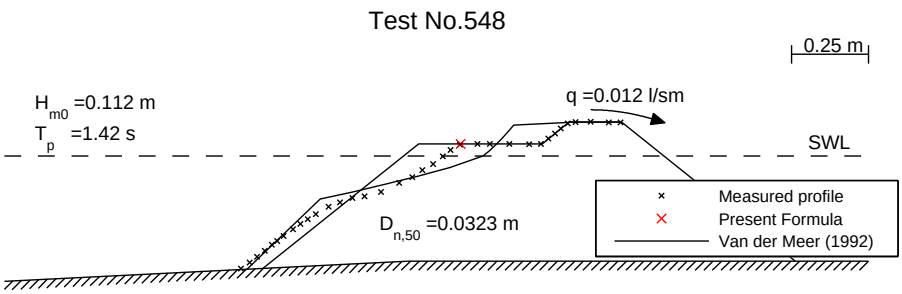

Test No.540
0.25 m
q =0.00017 l/sm
H m0 =0.098 m
T p =1.31 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

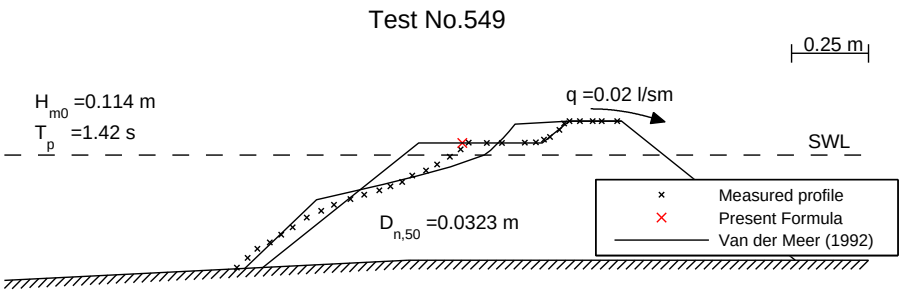

Test No.541
0.25 m
q =0.00085 l/sm
H m0 =0.104 m
T p =1.42 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

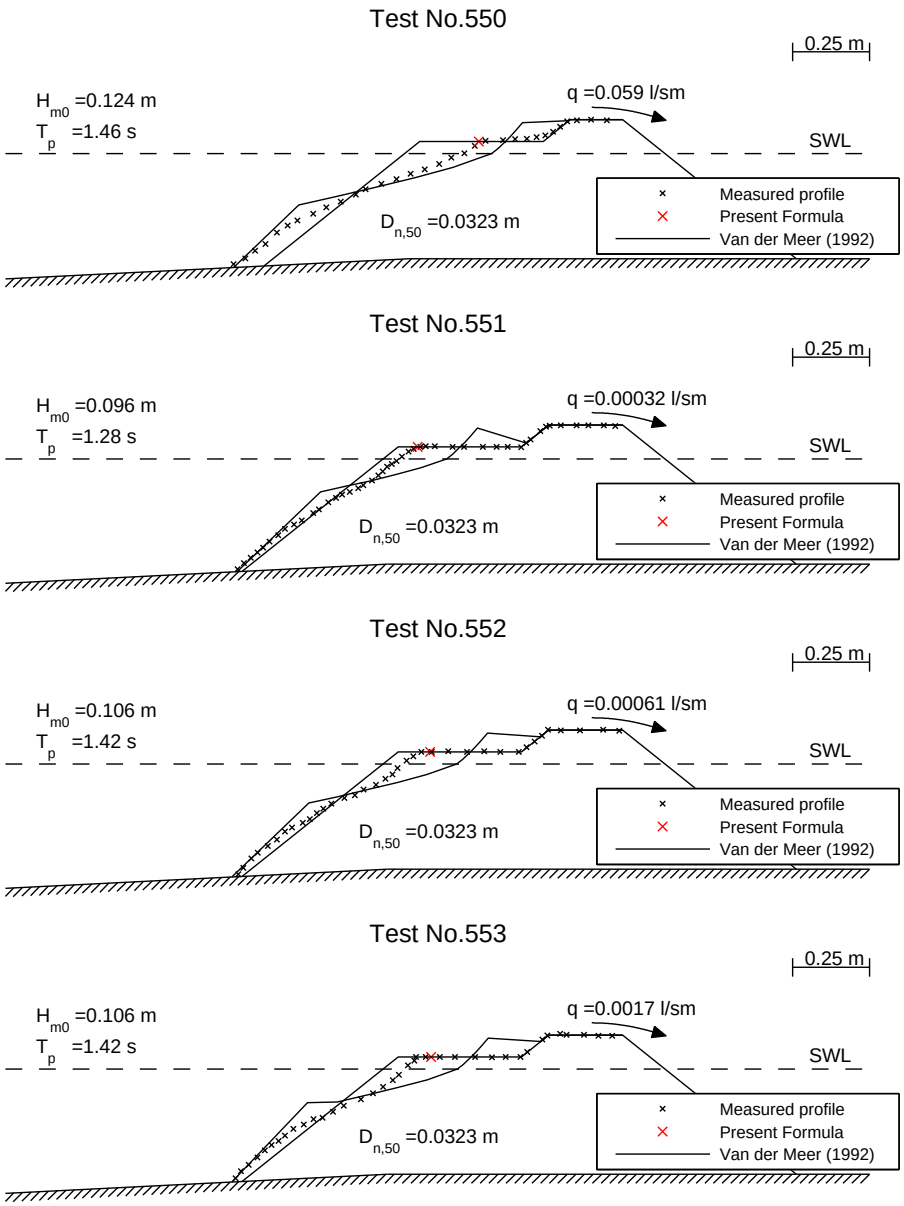

Test No.542
0.25 m
q =0.0035 l/sm
H m0 =0.110 m
T p =1.38 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.543
0.25 m
q =0.0043 l/sm
H m0 =0.118 m
T p =1.46 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.544
0.25 m
q =0.026 l/sm
H m0 =0.125 m
T p =1.65 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.545
0.25 m
q =0.055 l/sm
H m0 =0.137 m
T p =1.65 s
SWL
D n,50 =0.0198 m
Measured profile
Present Formula
Van der Meer (1992)

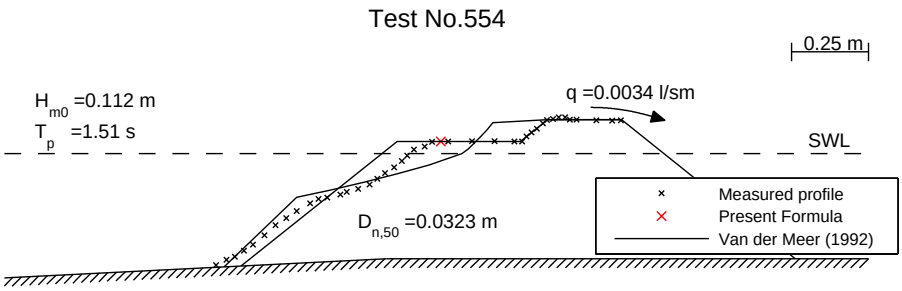

Test No.546
0.25 m
H m0 =0.098 m
T p =1.42 s
q =0.00089 l/sm
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

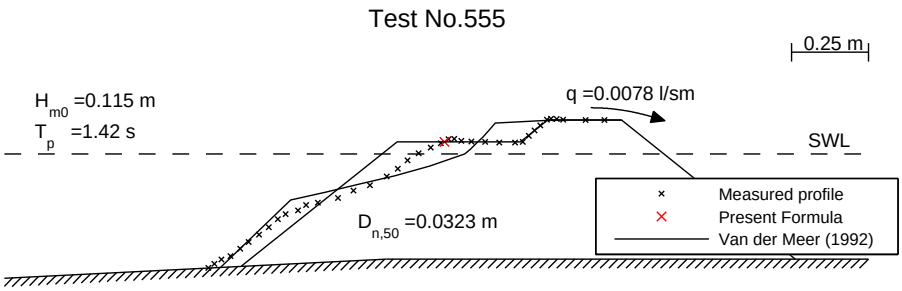

Test No.547
0.25 m
H m0 =0.105 m
T p =1.42 s
q =0.0034 l/sm
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

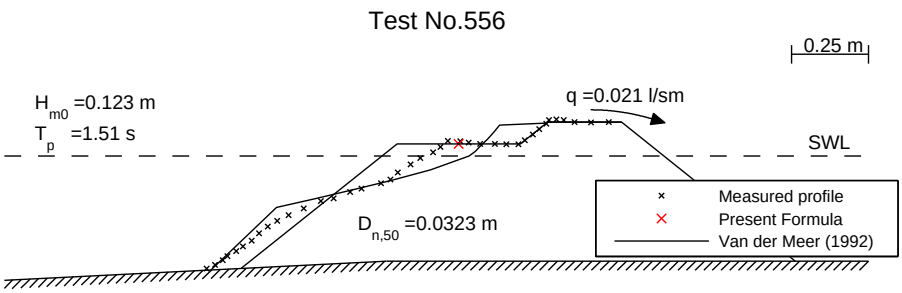

Test No.548
0.25 m
H m0 =0.112 m
T p =1.42 s
q =0.012 l/sm
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

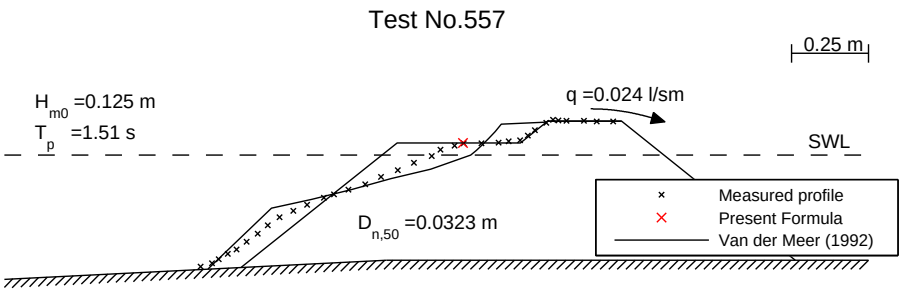

Test No.549
0.25 m
H m0 =0.114 m
T p =1.42 s
q =0.02 l/sm
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)


Test No.550
0.25 m
H m0 =0.124 m
T p =1.46 s
q =0.059 l/sm
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.551
0.25 m
H m0 =0.096 m
T p =1.28 s
q =0.00032 l/sm
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.552
0.25 m
H m0 =0.106 m
T p =1.42 s
q =0.00061 l/sm
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.553
0.25 m
H m0 =0.106 m
T p =1.42 s
q =0.0017 l/sm
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

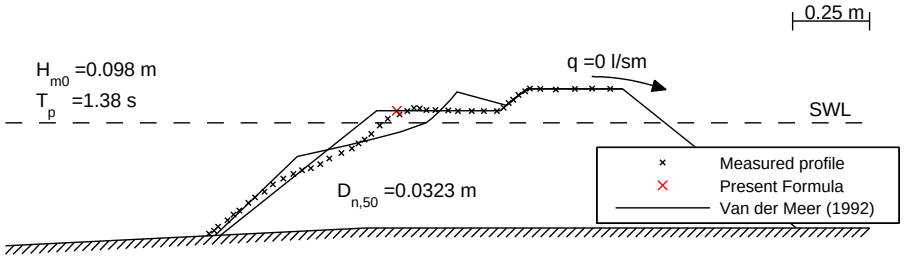

Test No.554
0.25 m
H m0 =0.112 m
T p =1.51 s
q =0.0034 l/sm
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)


Test No.555
0.25 m
H m0 =0.115 m
T p =1.42 s
q =0.0078 l/sm
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

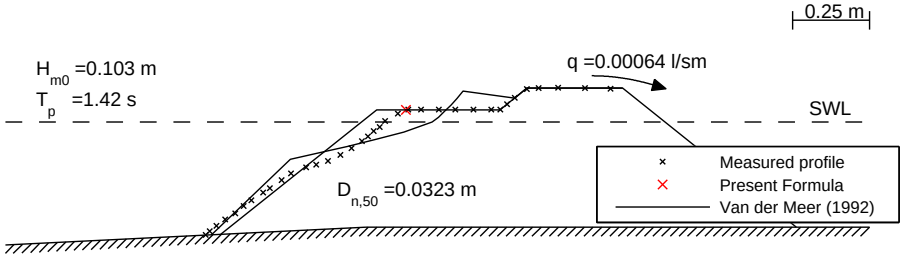

Test No.556
0.25 m
H m0 =0.123 m
T p =1.51 s
q =0.021 l/sm
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)


Test No.557
0.25 m
H m0 =0.125 m
T p =1.51 s
q =0.024 l/sm
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

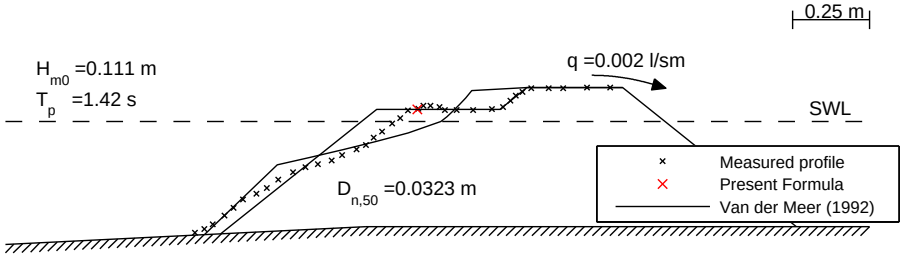
Test No.558



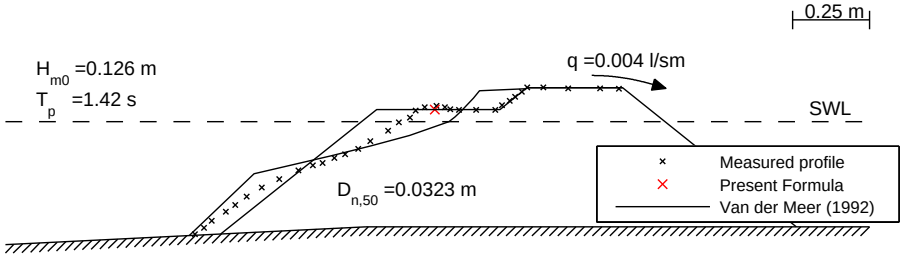
Test No.559

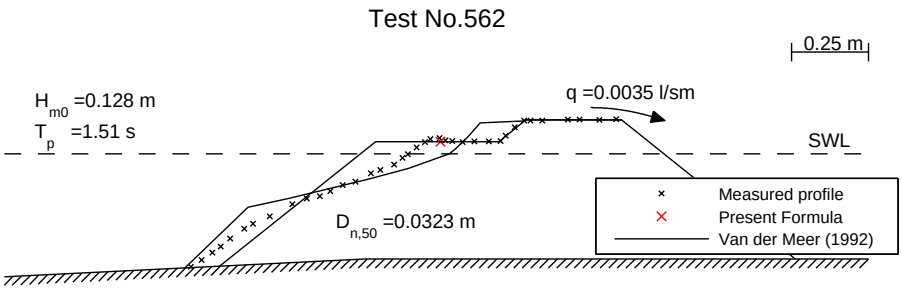


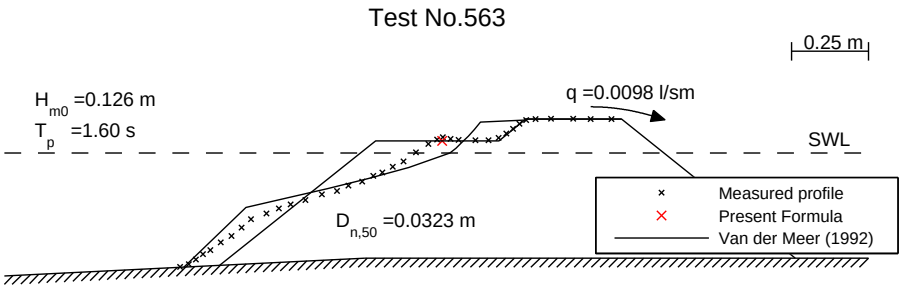
Test No.560

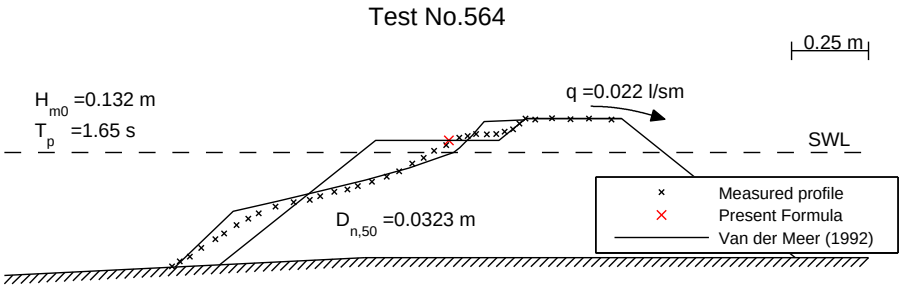


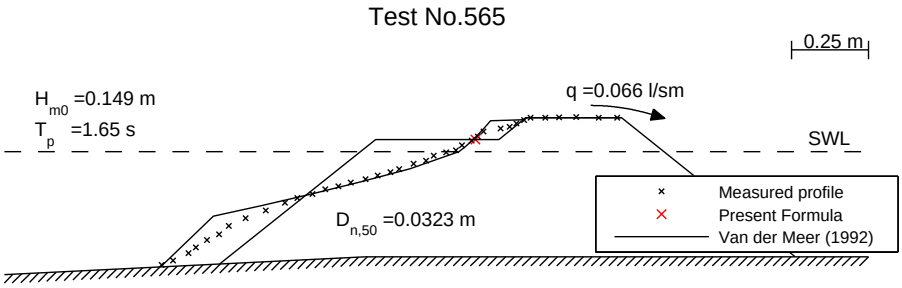
Test No.561

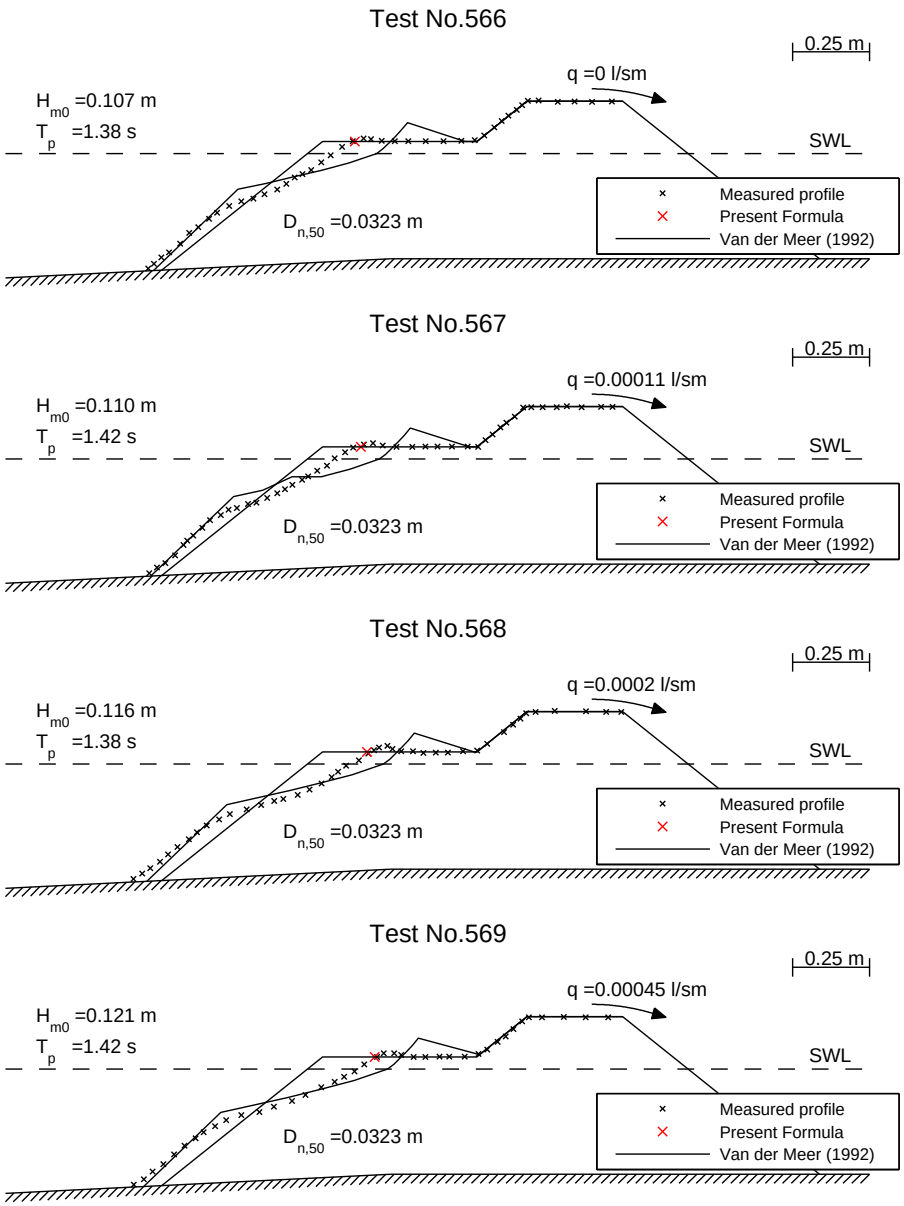


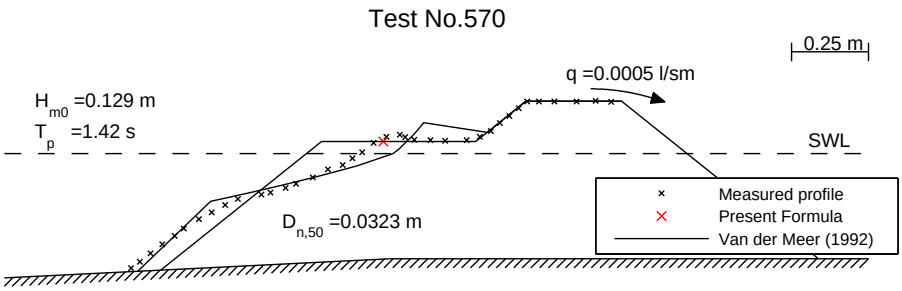

Test No.562
0.25 m
H m0 =0.128 m
T p =1.51 s
q =0.0035 l/sm
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

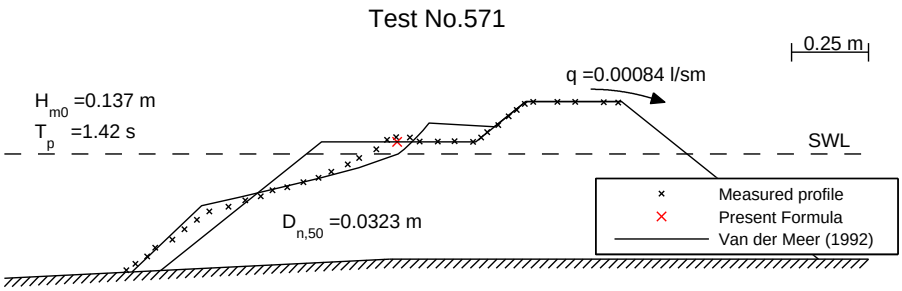

Test No.563
0.25 m
H m0 =0.126 m
T p =1.60 s
q =0.0098 l/sm
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

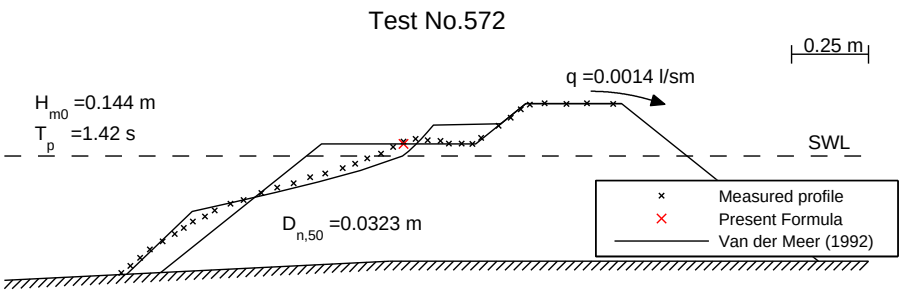

Test No.564
0.25 m
H m0 =0.132 m
T p =1.65 s
q =0.022 l/sm
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

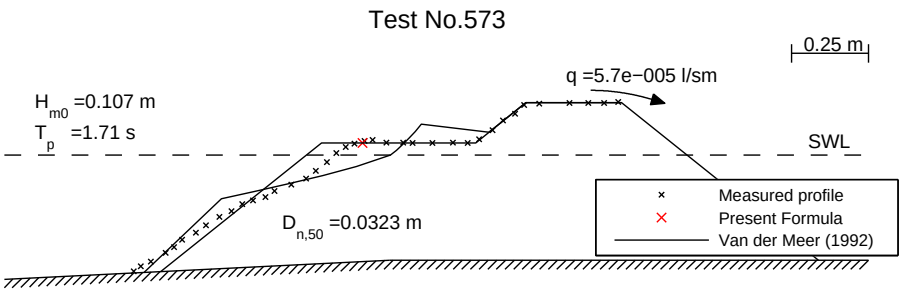

Test No.565
0.25 m
H m0 =0.149 m
T p =1.65 s
q =0.066 l/sm
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

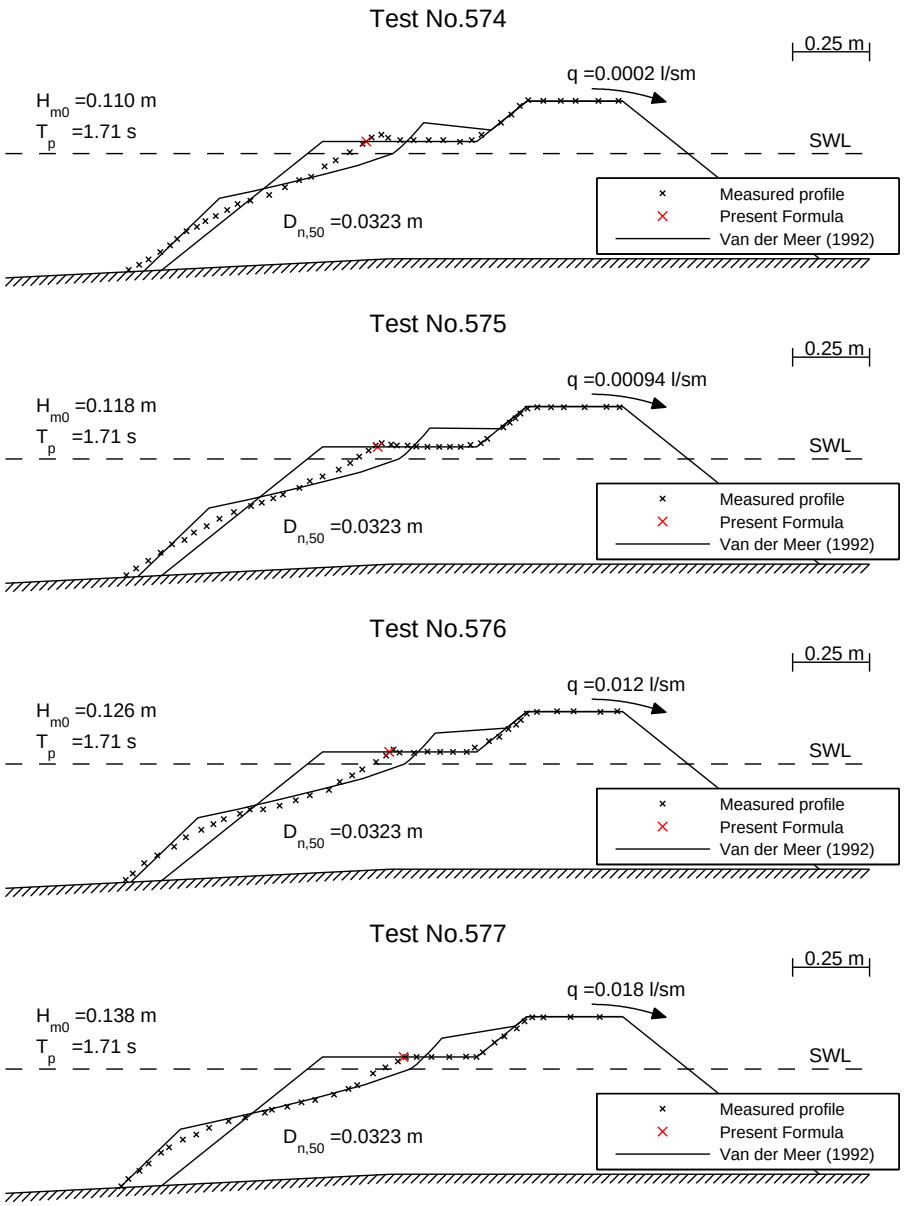

Test No.566
0.25 m
q =0 l/sm
H m0 =0.107 m
T p =1.38 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.567
0.25 m
q =0.00011 l/sm
H m0 =0.110 m
T p =1.42 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.568
0.25 m
q =0.0002 l/sm
H m0 =0.116 m
T p =1.38 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.569
0.25 m
q =0.00045 l/sm
H m0 =0.121 m
T p =1.42 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

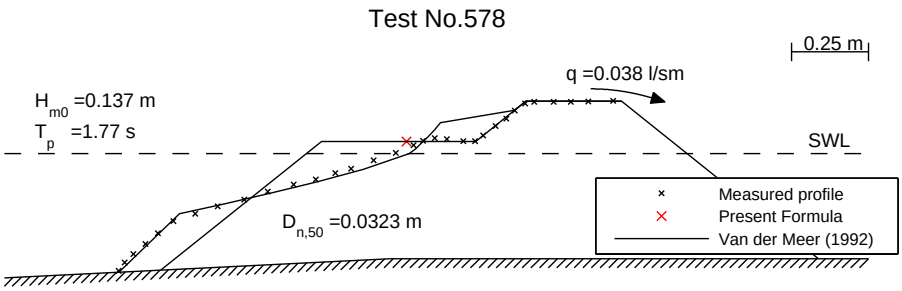

Test No.570
0.25 m
q =0.0005 l/sm
H m0 =0.129 m
T p =1.42 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

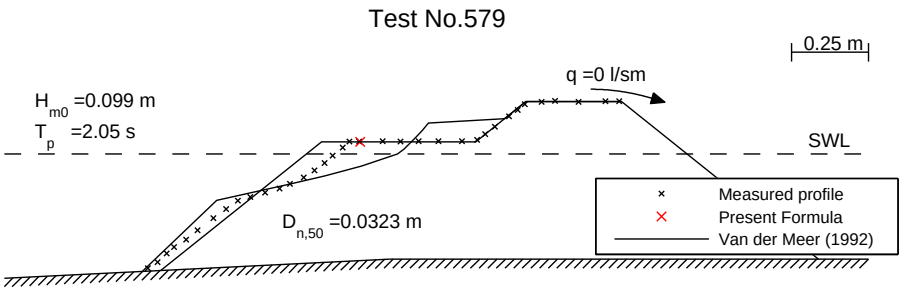

Test No.571
0.25 m
q =0.00084 l/sm
H m0 =0.137 m
T p =1.42 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

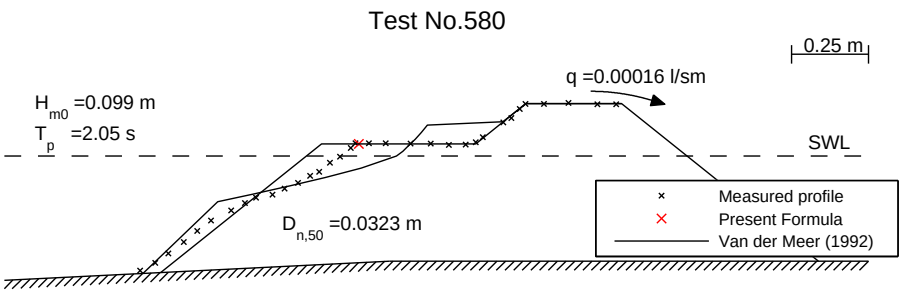

Test No.572
0.25 m
q =0.0014 l/sm
H m0 =0.144 m
T p =1.42 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

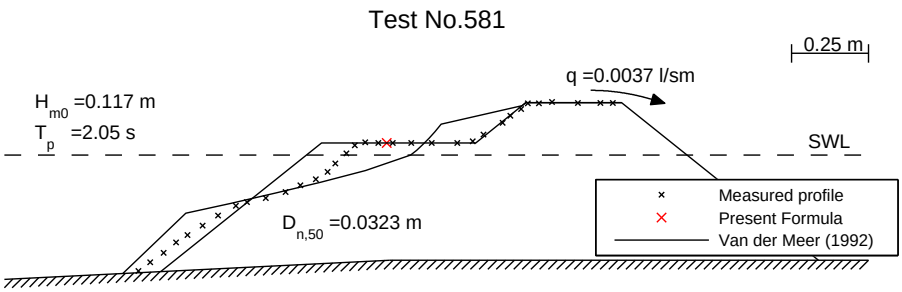

Test No.573
0.25 m
q =5.7e−005 l/sm
H m0 =0.107 m
T p =1.71 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

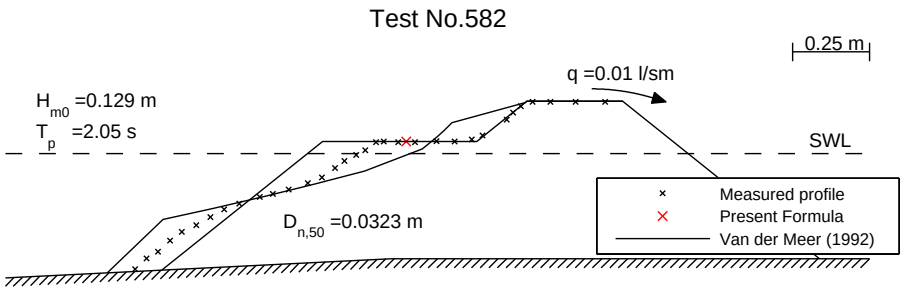

Test No.574
0.25 m
q =0.0002 l/sm
H m0 =0.110 m
T p =1.71 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.575
0.25 m
q =0.00094 l/sm
H m0 =0.118 m
T p =1.71 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.576
0.25 m
q =0.012 l/sm
H m0 =0.126 m
T p =1.71 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.577
0.25 m
q =0.018 l/sm
H m0 =0.138 m
T p =1.71 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

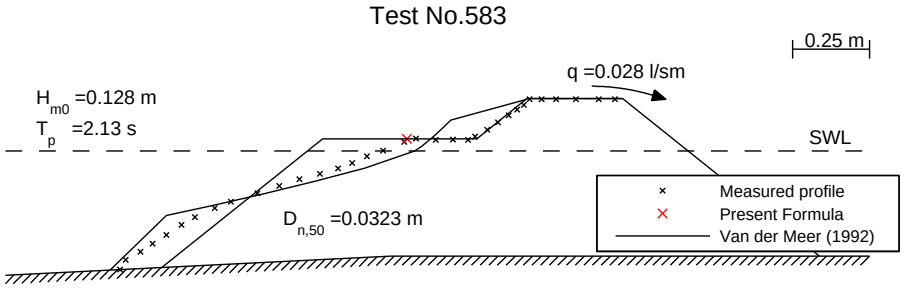

Test No.578
0.25 m
q =0.038 l/sm
H m0 =0.137 m
T p =1.77 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

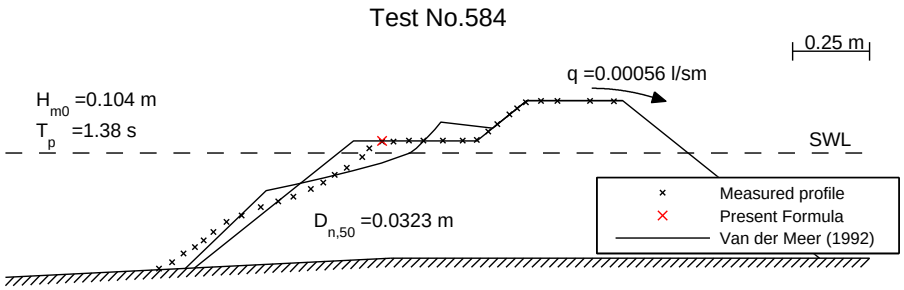

Test No.579
0.25 m
q =0 l/sm
H m0 =0.099 m
T p =2.05 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

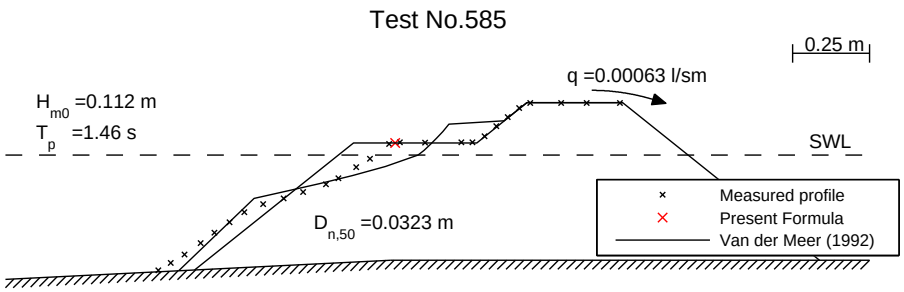

Test No.580
0.25 m
q =0.00016 l/sm
H m0 =0.099 m
T p =2.05 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

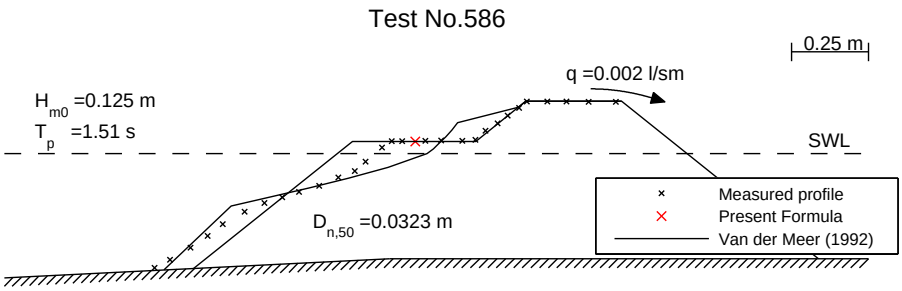

Test No.581
0.25 m
q =0.0037 l/sm
H m0 =0.117 m
T p =2.05 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

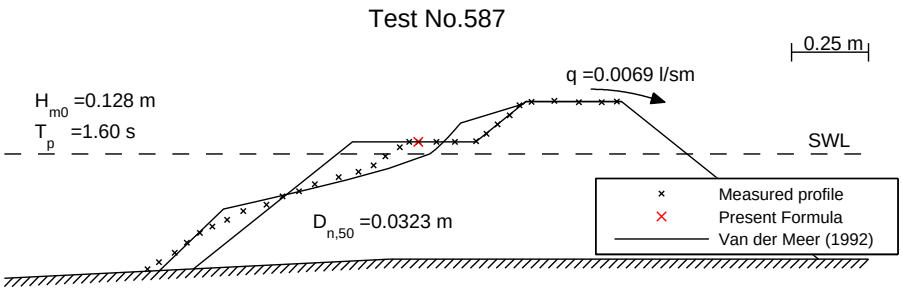

Test No.582
0.25 m
q =0.01 l/sm
H m0 =0.129 m
T p =2.05 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

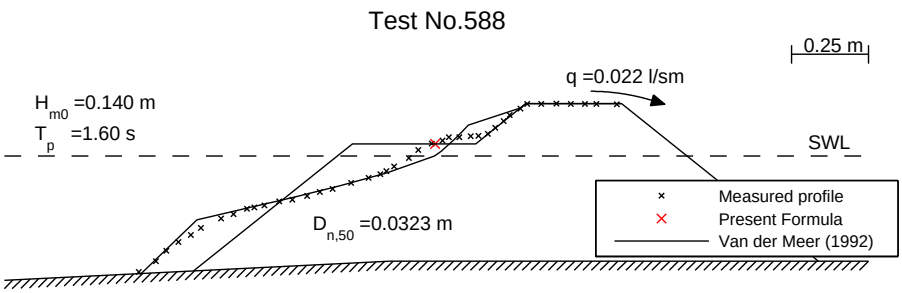

Test No.583
0.25 m
q =0.028 l/sm
H m0 =0.128 m
T p =2.13 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

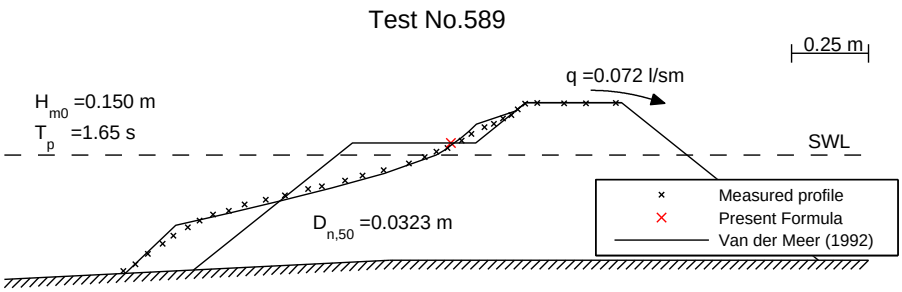

Test No.584
0.25 m
q =0.00056 l/sm
H m0 =0.104 m
T p =1.38 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

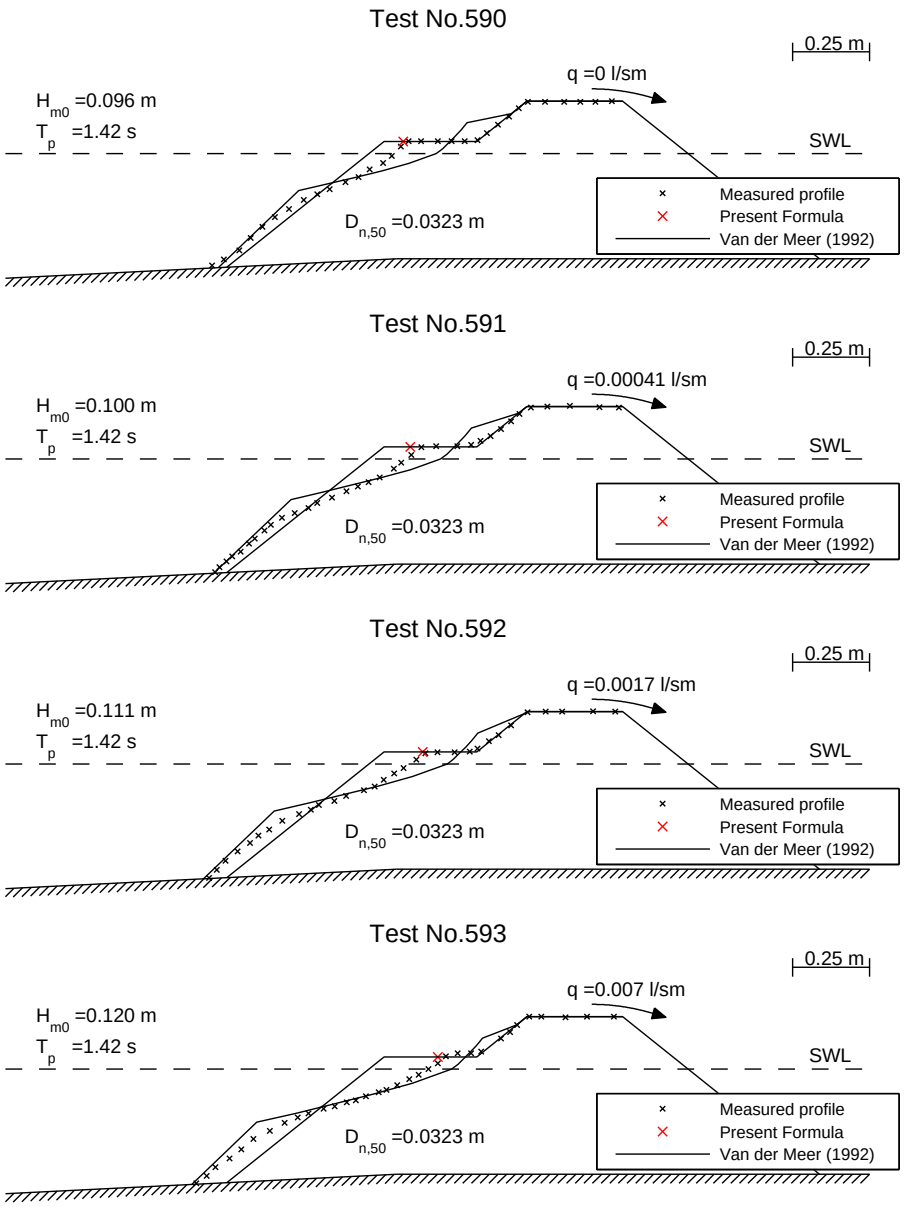

Test No.585
0.25 m
q =0.00063 l/sm
H m0 =0.112 m
T p =1.46 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

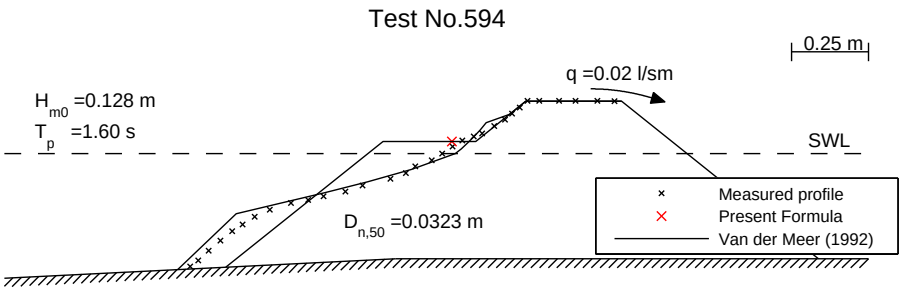

Test No.586
0.25 m
q =0.002 l/sm
H m0 =0.125 m
T p =1.51 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

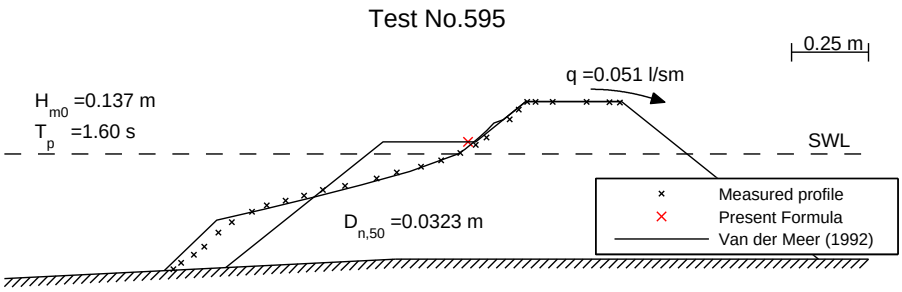

Test No.587
0.25 m
q =0.0069 l/sm
H m0 =0.128 m
T p =1.60 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

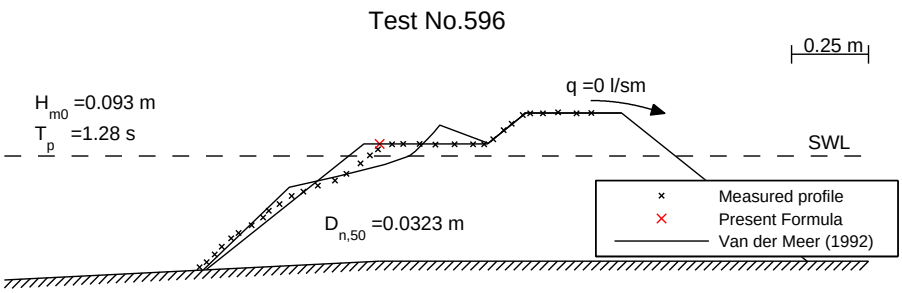

Test No.588
0.25 m
q =0.022 l/sm
H m0 =0.140 m
T p =1.60 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

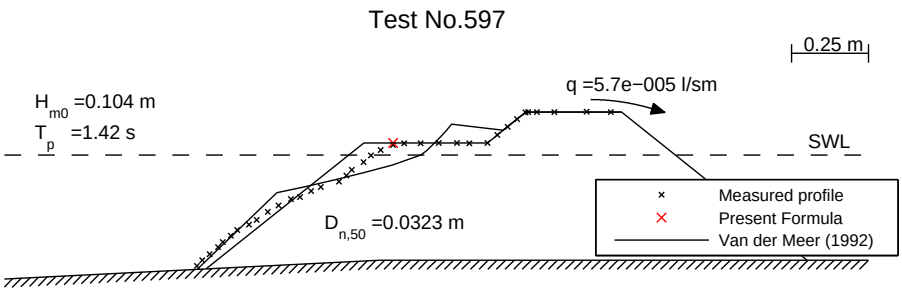

Test No.589
0.25 m
q =0.072 l/sm
H m0 =0.150 m
T p =1.65 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

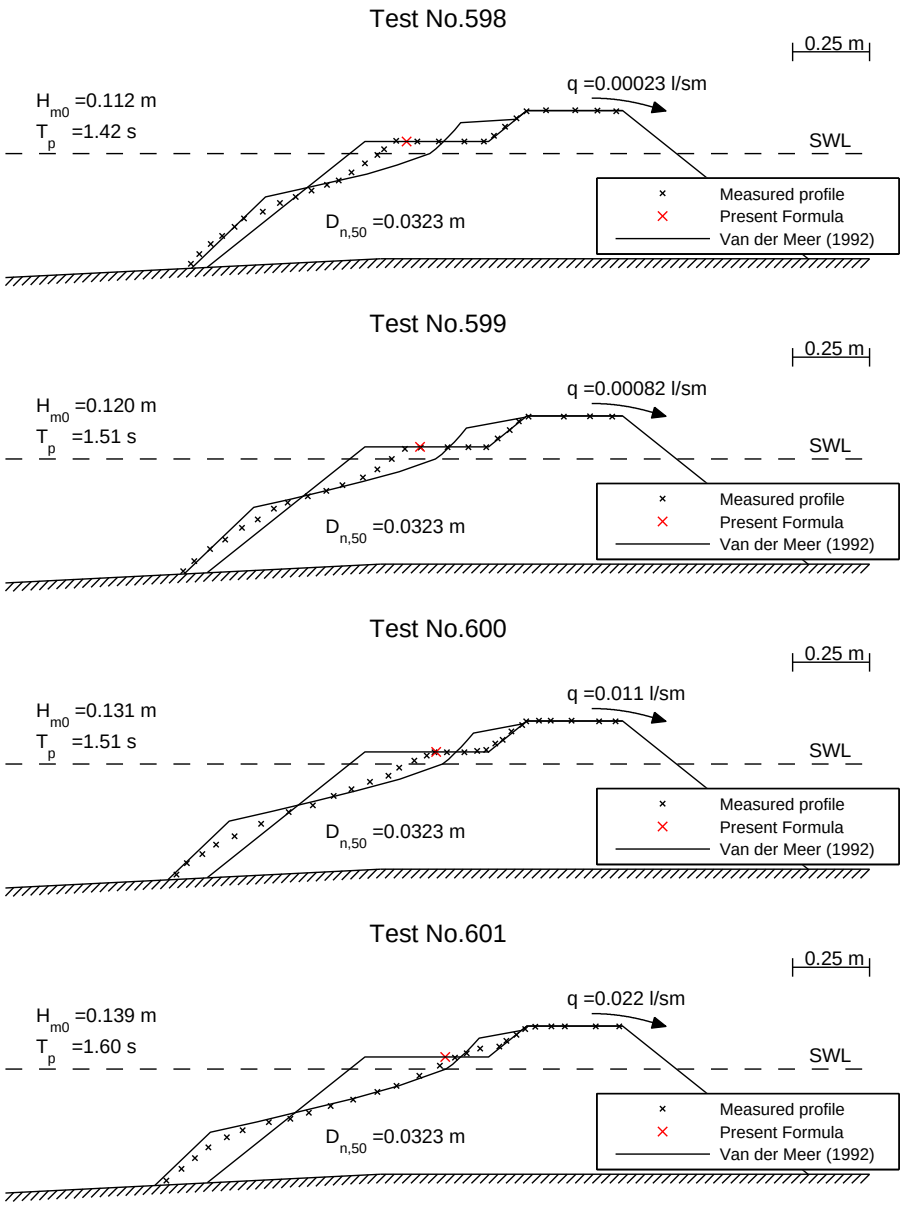

Test No.590
0.25 m
q =0 l/sm
H m0 =0.096 m
T p =1.42 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.591
0.25 m
q =0.00041 l/sm
H m0 =0.100 m
T p =1.42 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.592
0.25 m
q =0.0017 l/sm
H m0 =0.111 m
T p =1.42 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.593
0.25 m
q =0.007 l/sm
H m0 =0.120 m
T p =1.42 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

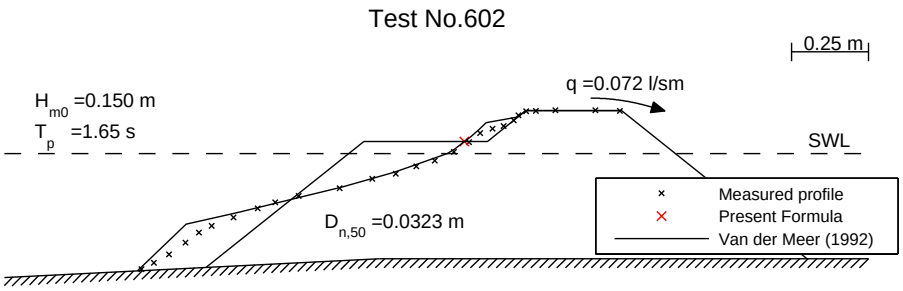

Test No.594
0.25 m
q =0.02 l/sm
H m0 =0.128 m
T p =1.60 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

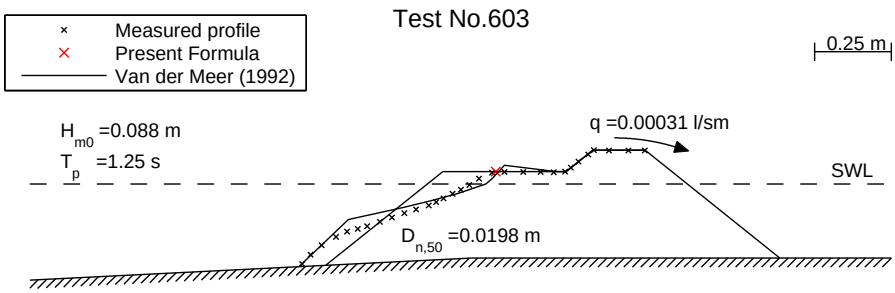

Test No.595
0.25 m
q =0.051 l/sm
H m0 =0.137 m
T p =1.60 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

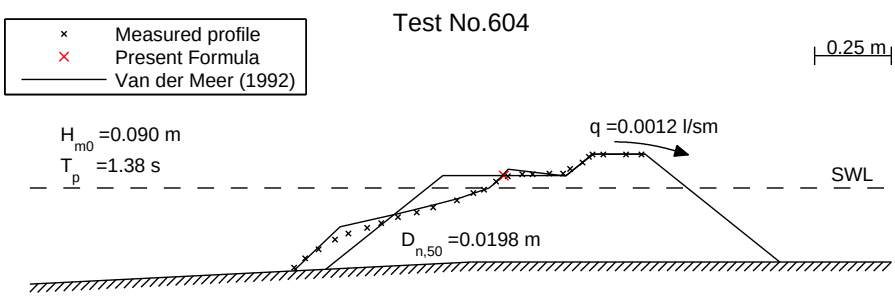

Test No.596
0.25 m
q =0 l/sm
H m0 =0.093 m
T p =1.28 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

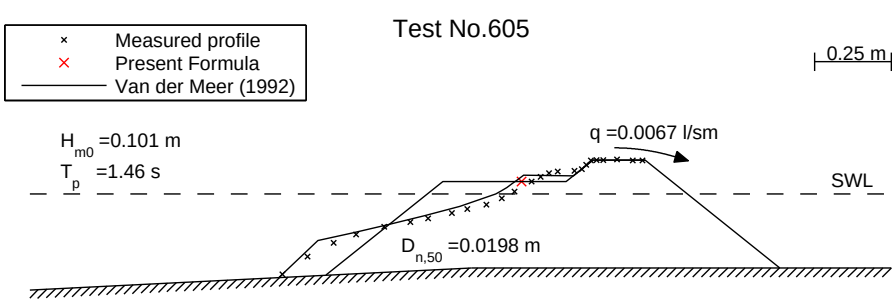

Test No.597
0.25 m
q =5.7e−005 l/sm
H m0 =0.104 m
T p =1.42 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

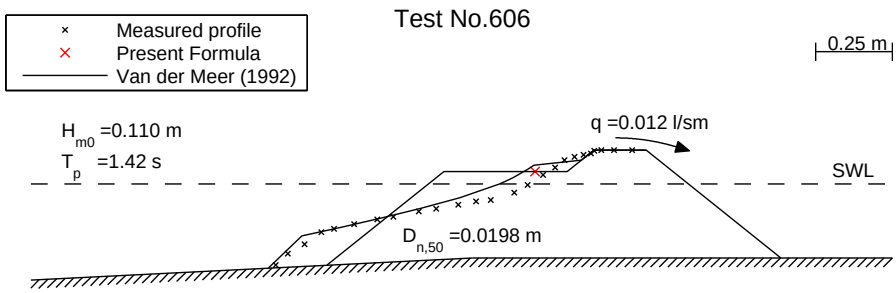

Test No.598
0.25 m
q =0.00023 l/sm
H m0 =0.112 m
T p =1.42 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.599
0.25 m
q =0.00082 l/sm
H m0 =0.120 m
T p =1.51 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.600
0.25 m
q =0.011 l/sm
H m0 =0.131 m
T p =1.51 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)
Test No.601
0.25 m
q =0.022 l/sm
H m0 =0.139 m
T p =1.60 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

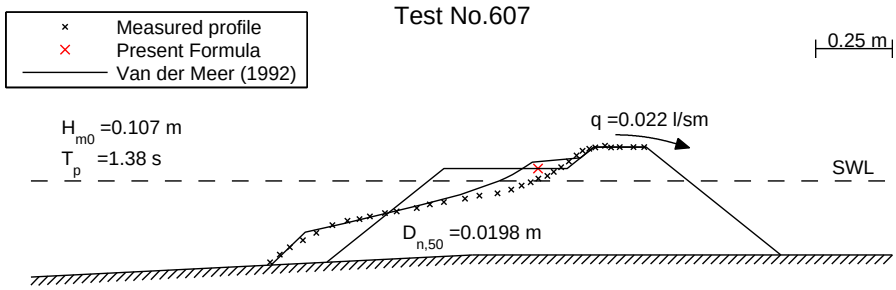

Test No.602
0.25 m
q =0.072 l/sm
H m0 =0.150 m
T p =1.65 s
SWL
D n,50 =0.0323 m
Measured profile
Present Formula
Van der Meer (1992)

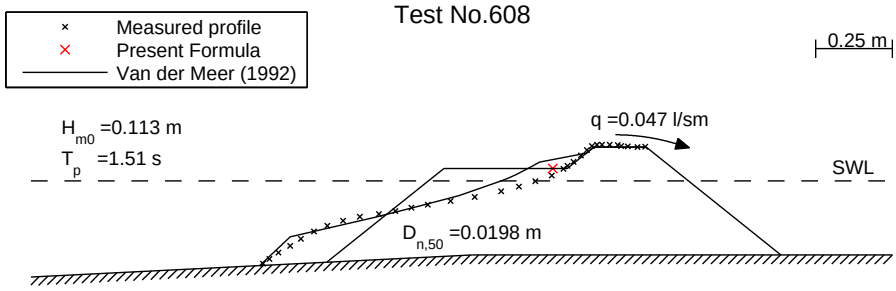

Test No.603
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.00031 l/sm
H m0 =0.088 m
T p =1.25 s
SWL
D n,50 =0.0198 m

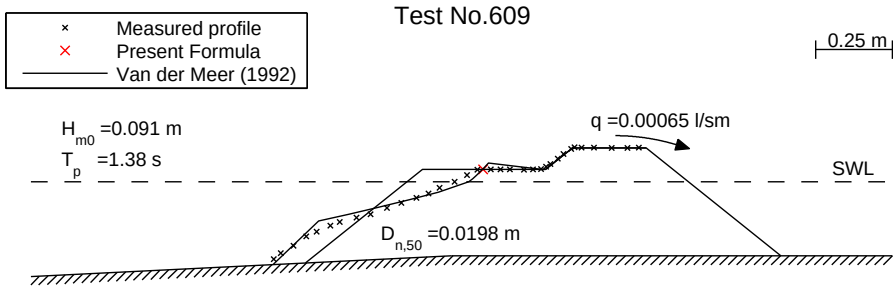

Test No.604
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.0012 l/sm
H m0 =0.090 m
T p =1.38 s
SWL
D n,50 =0.0198 m

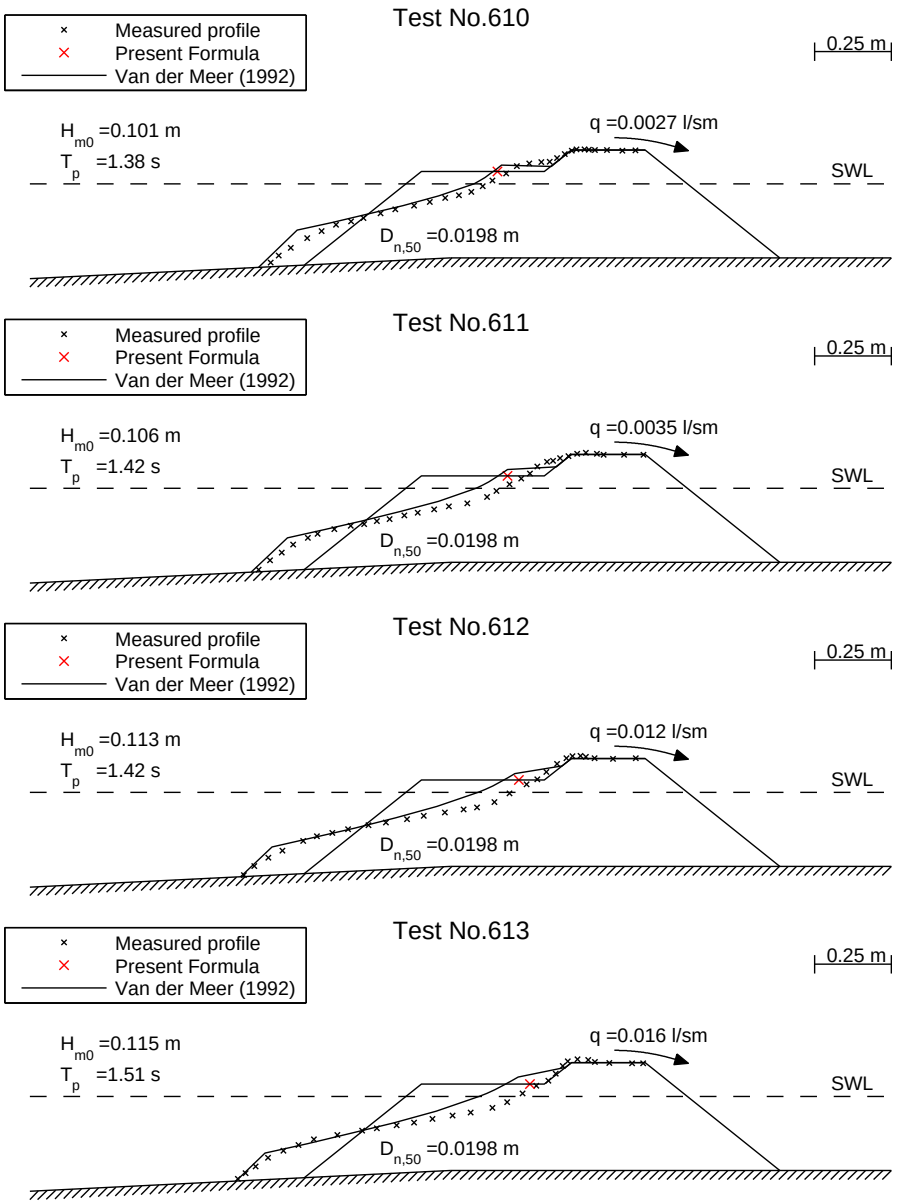

Test No.605
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.0067 l/sm
H m0 =0.101 m
T p =1.46 s
SWL
D n,50 =0.0198 m

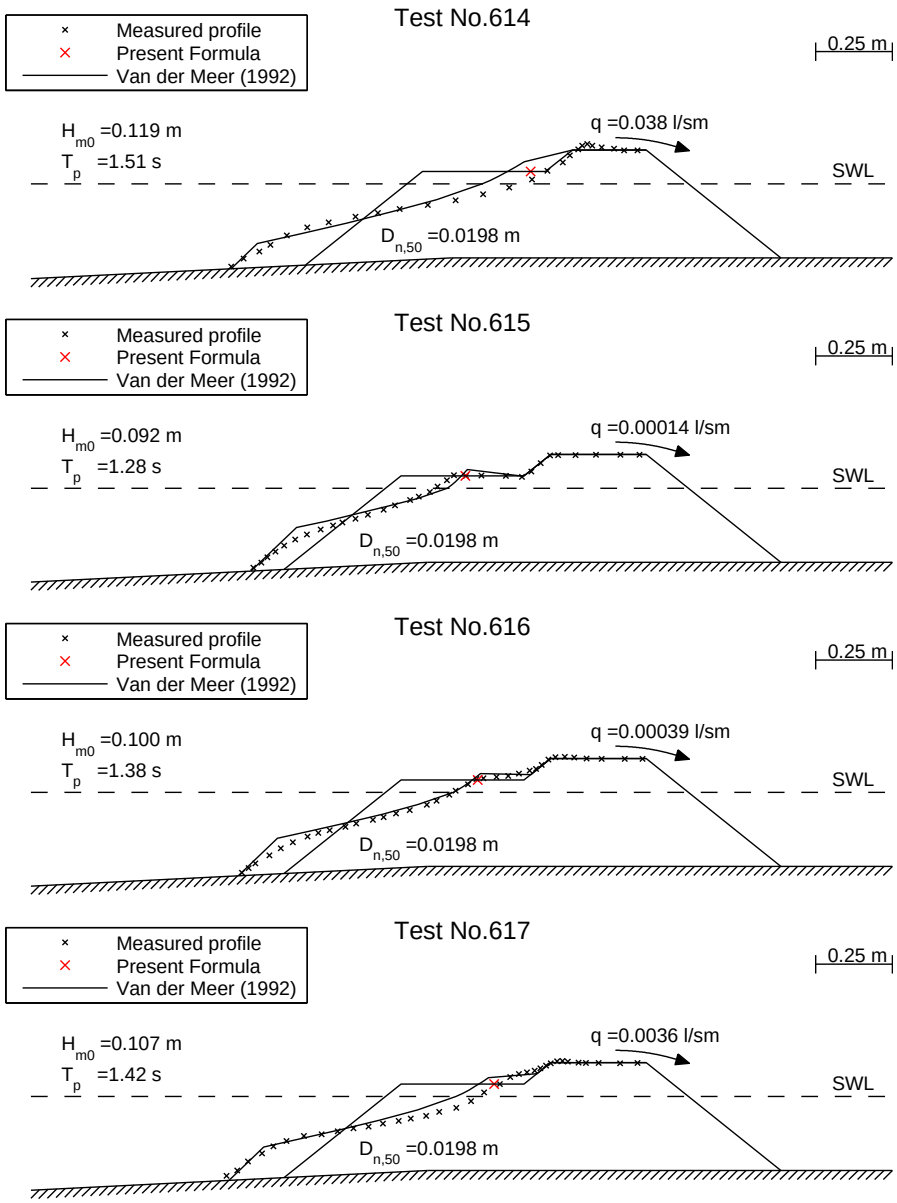

Test No.606
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.110 m
T p =1.42 s
q =0.012 l/sm
SWL
D n,50 =0.0198 m

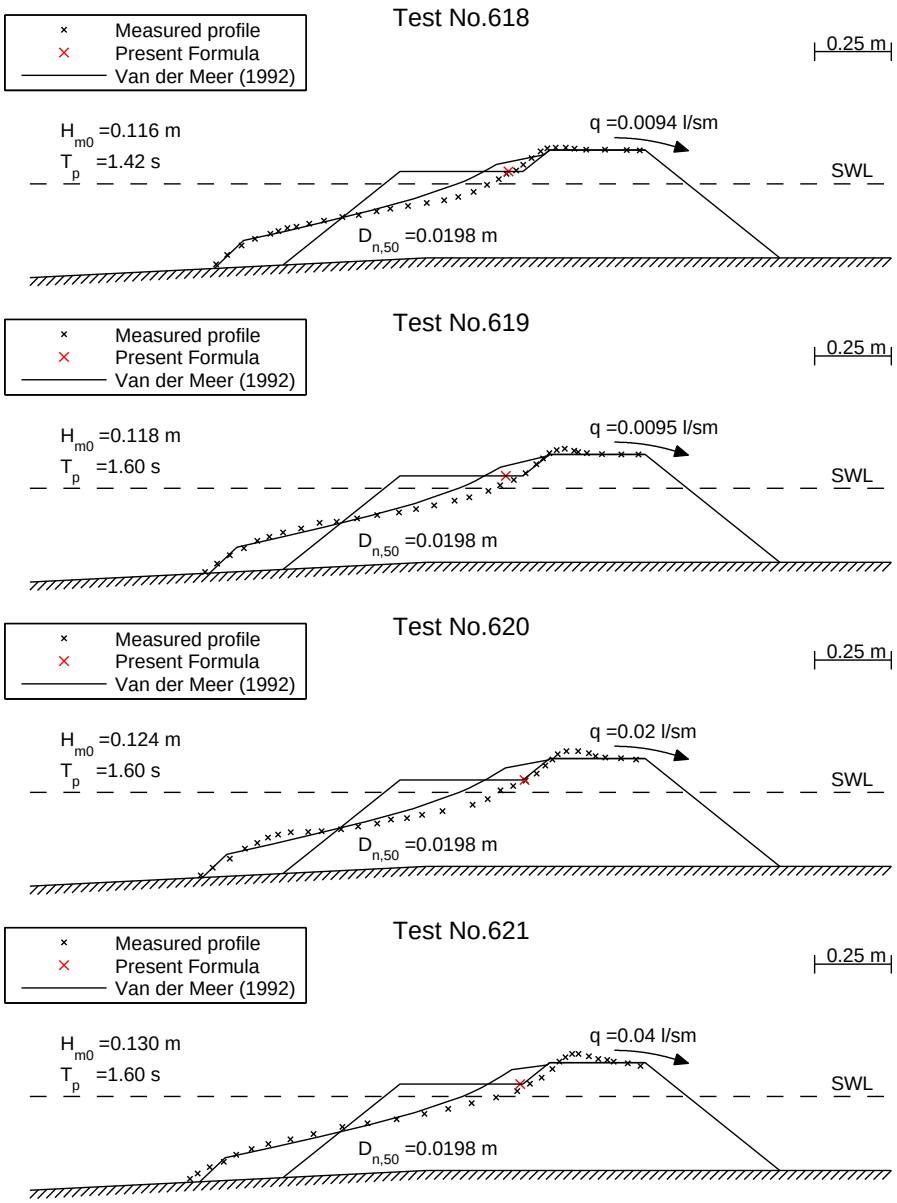

Test No.607
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.107 m
T p =1.38 s
q =0.022 l/sm
SWL
D n,50 =0.0198 m

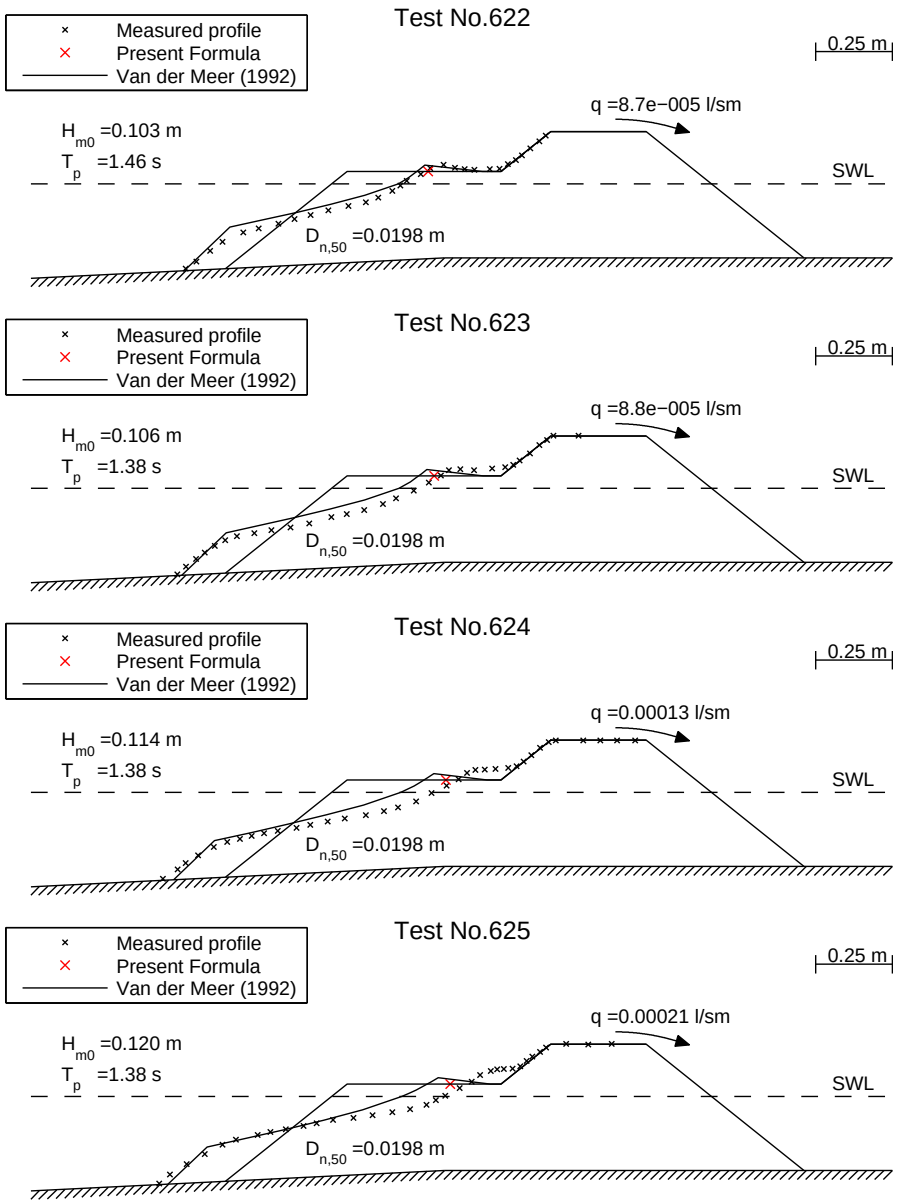

Test No.608
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.113 m
T p =1.51 s
q =0.047 l/sm
SWL
D n,50 =0.0198 m

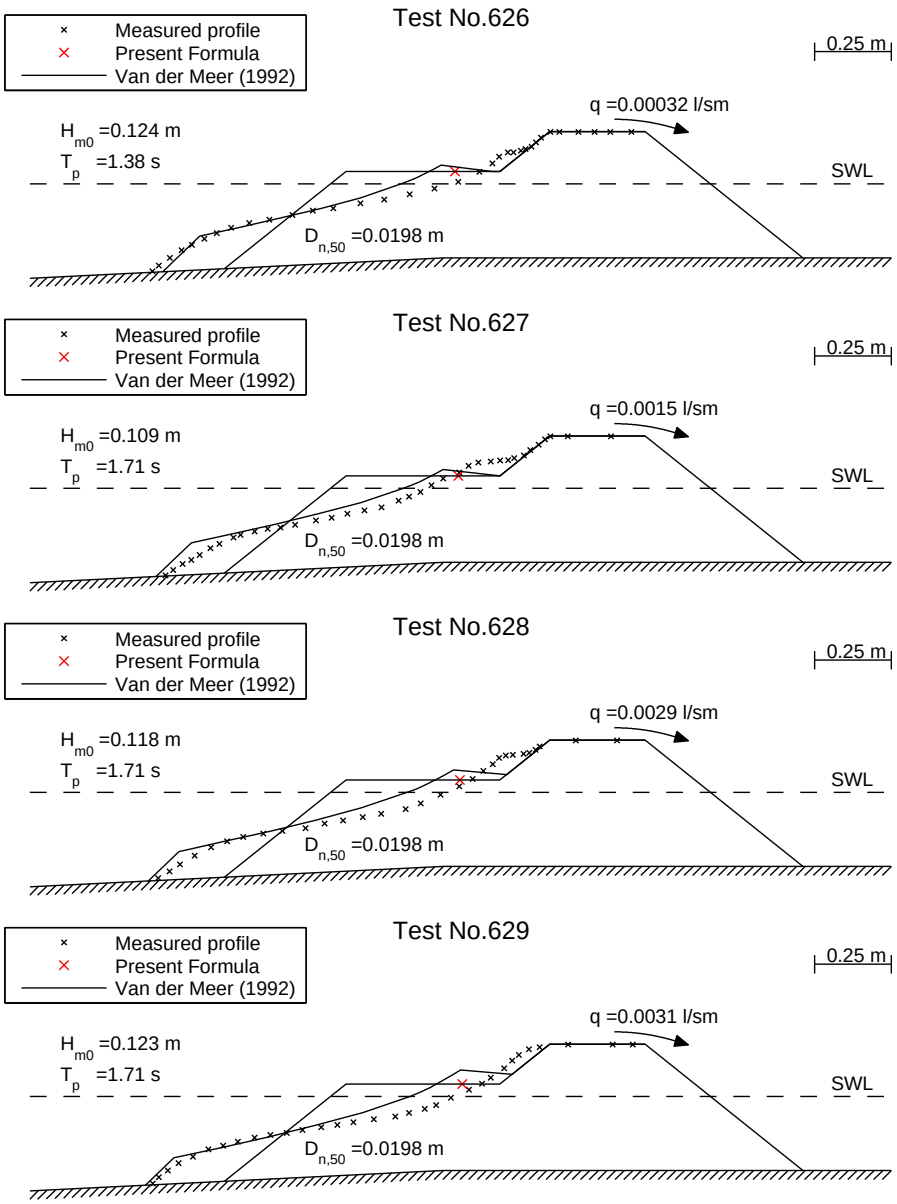

Test No.609
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.091 m
T p =1.38 s
q =0.00065 l/sm
SWL
D n,50 =0.0198 m

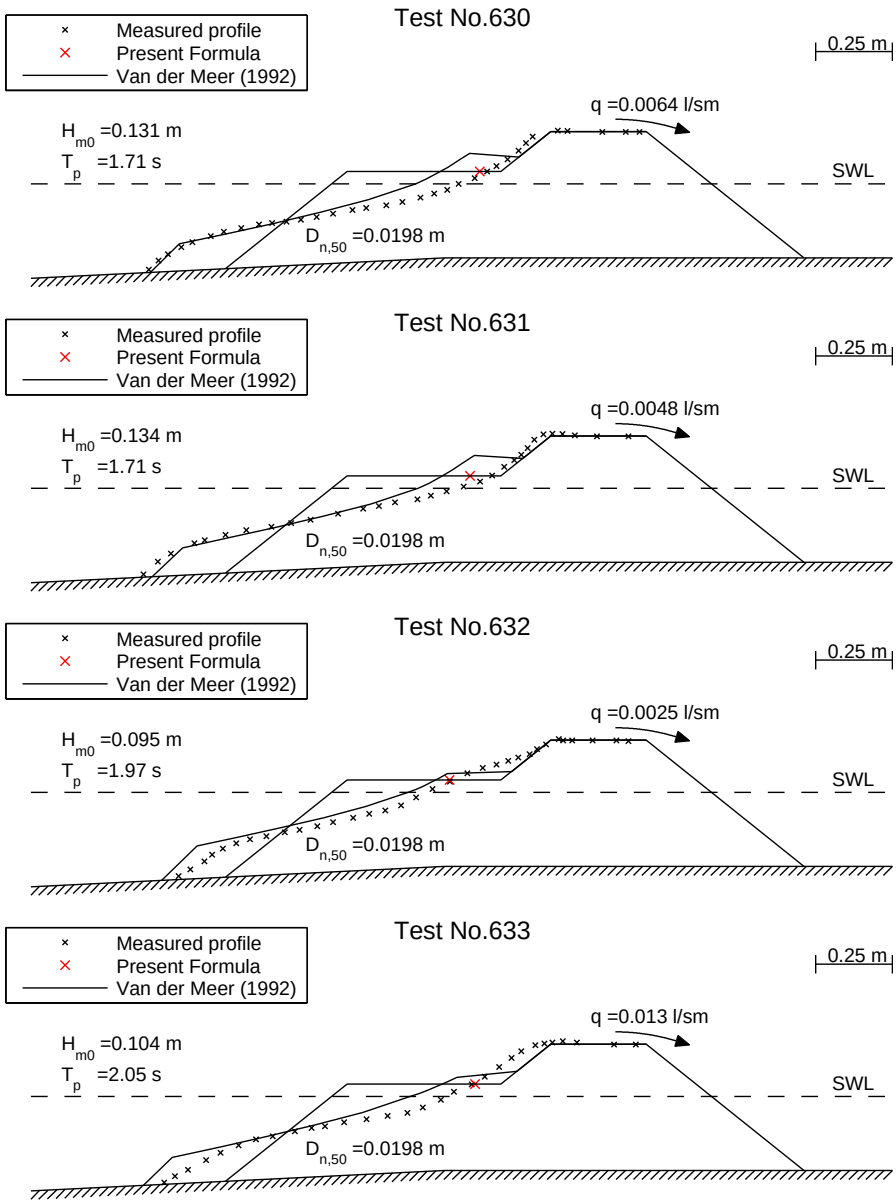

Test No.610
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.101 m
T p =1.38 s
q =0.0027 l/sm
SWL
D n,50 =0.0198 m
Test No.611
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.106 m
T p =1.42 s
q =0.0035 l/sm
SWL
D n,50 =0.0198 m
Test No.612
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.113 m
T p =1.42 s
q =0.012 l/sm
SWL
D n,50 =0.0198 m
Test No.613
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.115 m
T p =1.51 s
q =0.016 l/sm
SWL
D n,50 =0.0198 m

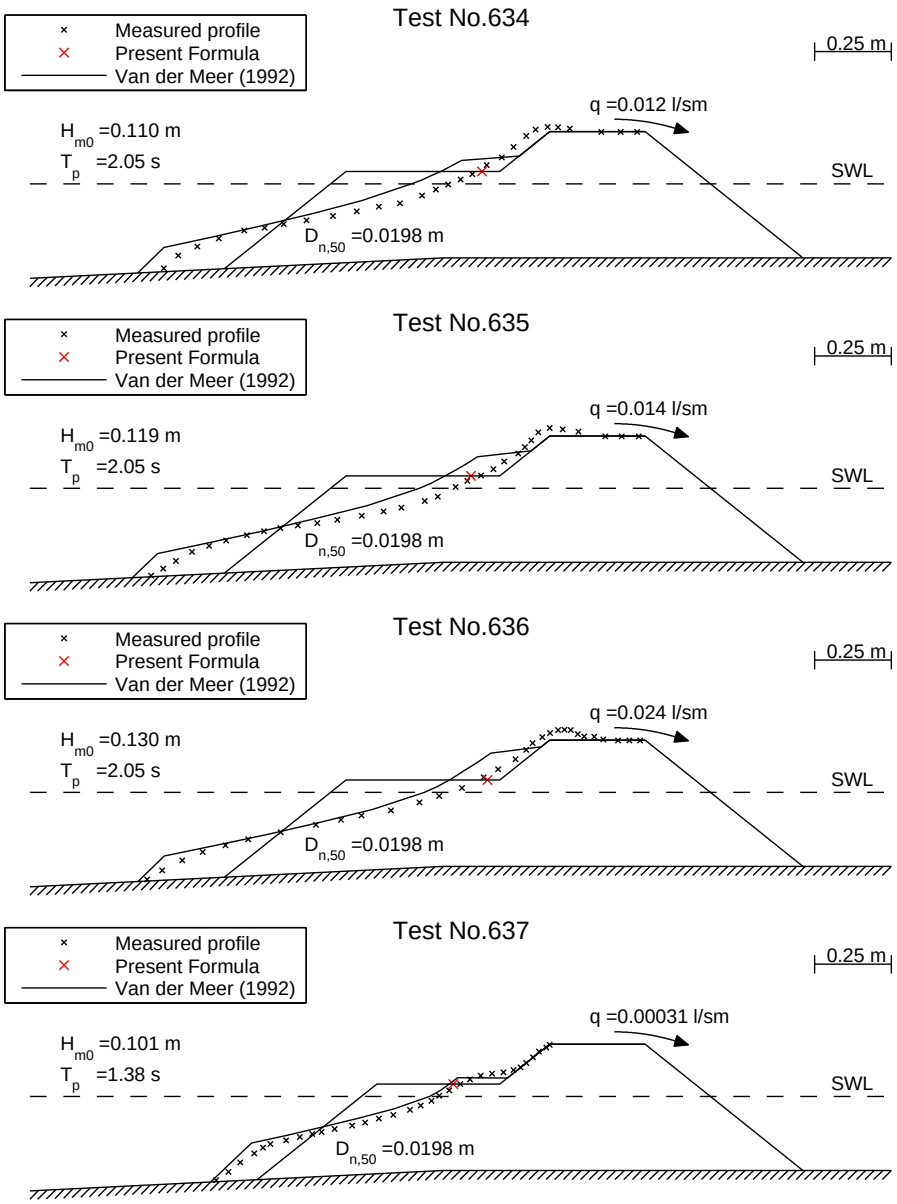

Test No.614
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.119 m
T p =1.51 s
q =0.038 l/sm
SWL
D n,50 =0.0198 m
Test No.615
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.092 m
T p =1.28 s
q =0.00014 l/sm
SWL
D n,50 =0.0198 m
Test No.616
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.100 m
T p =1.38 s
q =0.00039 l/sm
SWL
D n,50 =0.0198 m
Test No.617
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.107 m
T p =1.42 s
q =0.0036 l/sm
SWL
D n,50 =0.0198 m

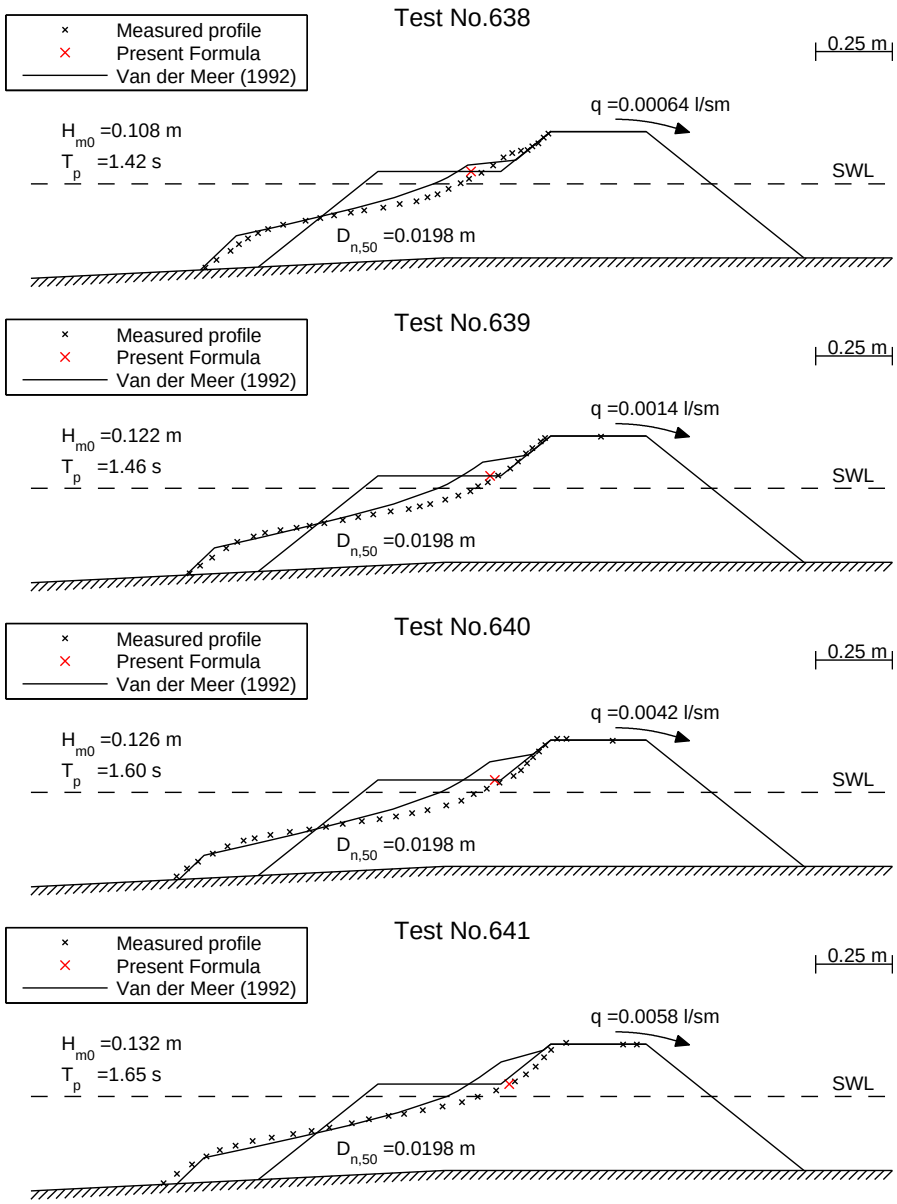

Test No.618
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.116 m
T p =1.42 s
q =0.0094 l/sm
SWL
D n,50 =0.0198 m
Test No.619
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.118 m
T p =1.60 s
q =0.0095 l/sm
SWL
D n,50 =0.0198 m
Test No.620
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.124 m
T p =1.60 s
q =0.02 l/sm
SWL
D n,50 =0.0198 m
Test No.621
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.130 m
T p =1.60 s
q =0.04 l/sm
SWL
D n,50 =0.0198 m

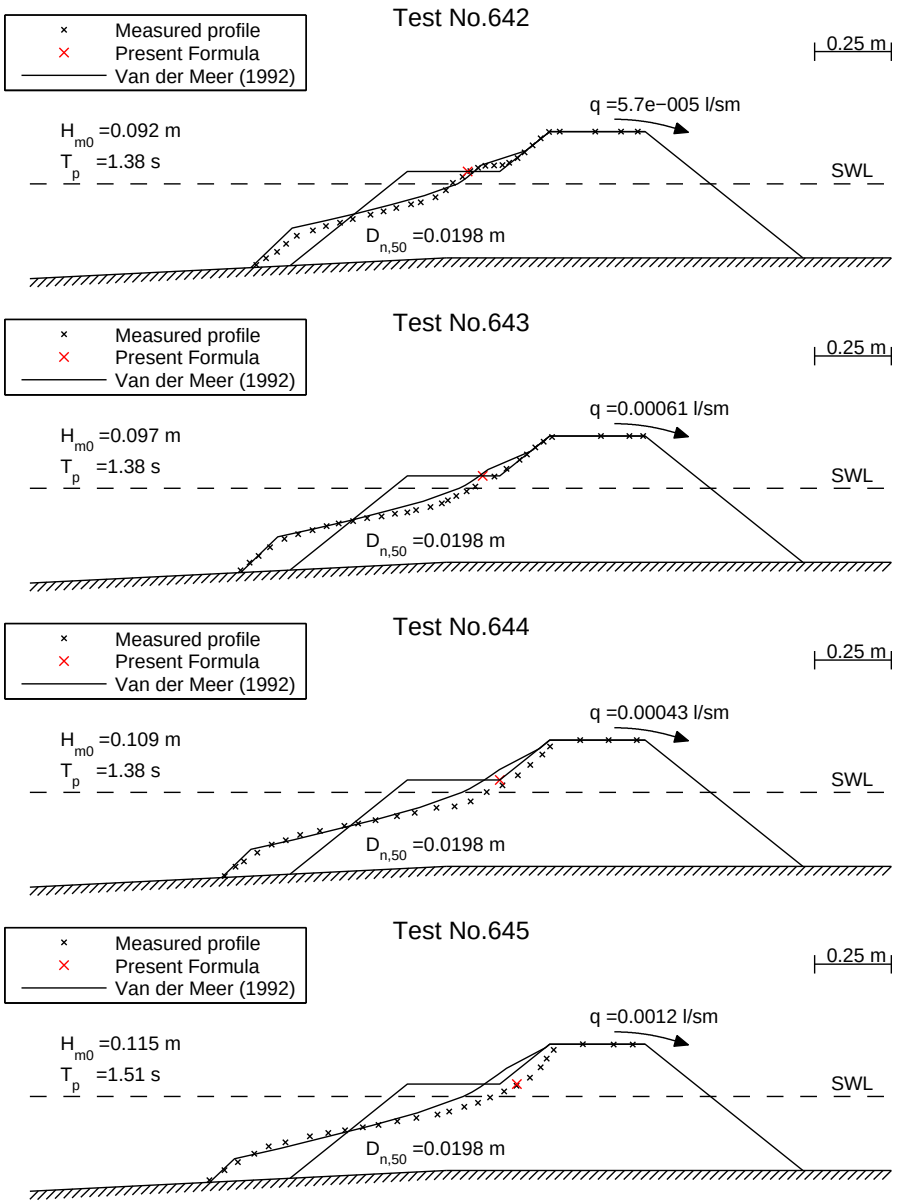

Test No.622
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =8.7e−005 l/sm
H m0 =0.103 m
T p =1.46 s
SWL
D n,50 =0.0198 m
Test No.623
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =8.8e−005 l/sm
H m0 =0.106 m
T p =1.38 s
SWL
D n,50 =0.0198 m
Test No.624
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.00013 l/sm
H m0 =0.114 m
T p =1.38 s
SWL
D n,50 =0.0198 m
Test No.625
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.00021 l/sm
H m0 =0.120 m
T p =1.38 s
SWL
D n,50 =0.0198 m

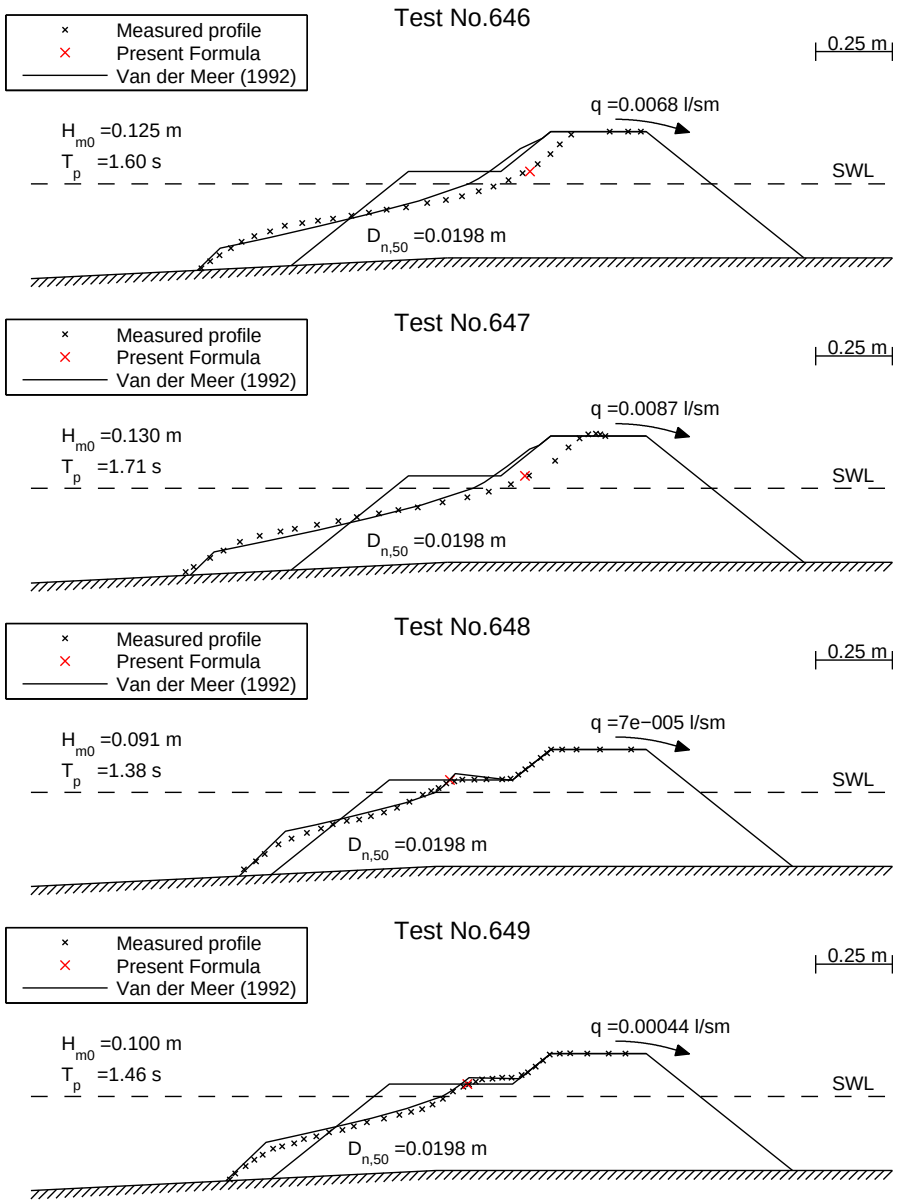

Test No.626
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.00032 l/sm
H m0 =0.124 m
T p =1.38 s
SWL
D n,50 =0.0198 m
Test No.627
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.0015 l/sm
H m0 =0.109 m
T p =1.71 s
SWL
D n,50 =0.0198 m
Test No.628
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.0029 l/sm
H m0 =0.118 m
T p =1.71 s
SWL
D n,50 =0.0198 m
Test No.629
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.0031 l/sm
H m0 =0.123 m
T p =1.71 s
SWL
D n,50 =0.0198 m

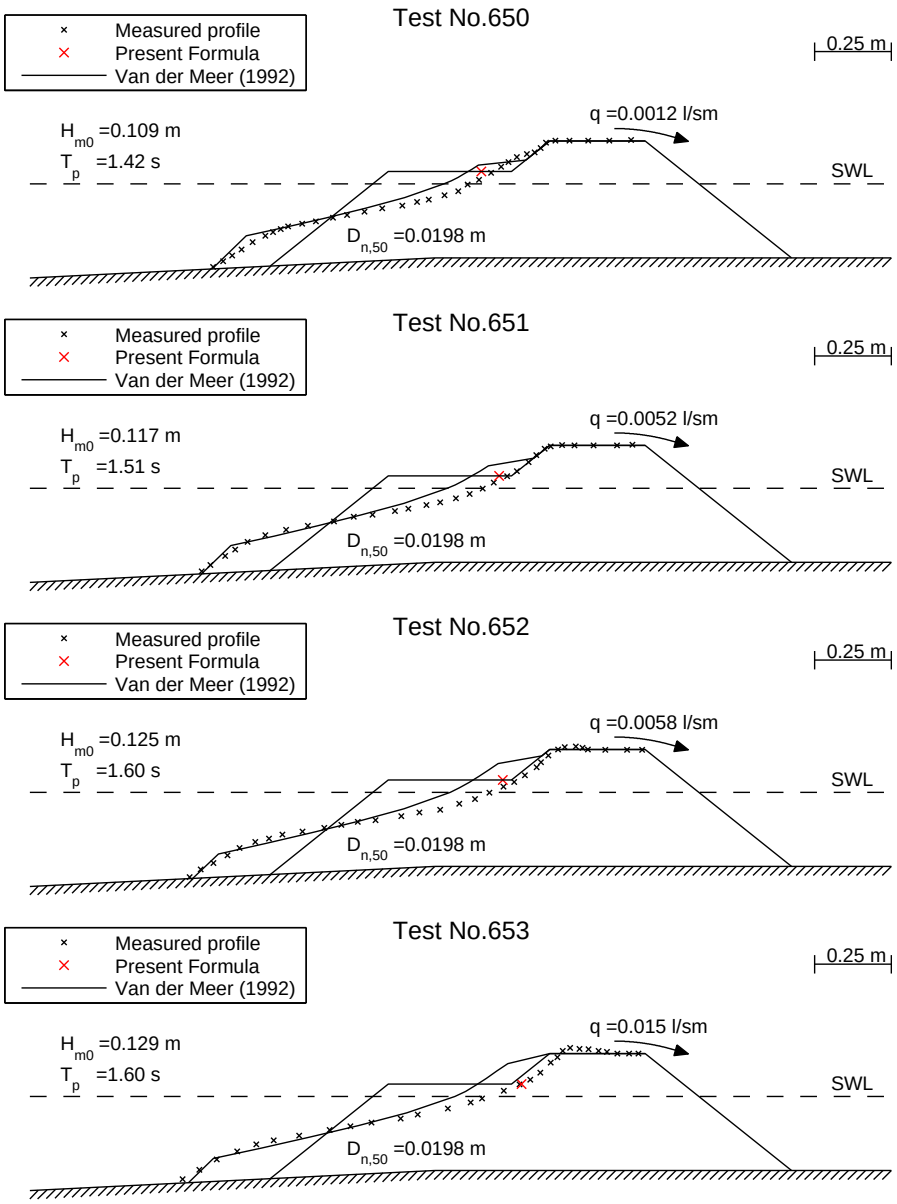

Test No.630
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.0064 l/sm
H m0 =0.131 m
T p =1.71 s
SWL
D n,50 =0.0198 m
Test No.631
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.0048 l/sm
H m0 =0.134 m
T p =1.71 s
SWL
D n,50 =0.0198 m
Test No.632
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.0025 l/sm
H m0 =0.095 m
T p =1.97 s
SWL
D n,50 =0.0198 m
Test No.633
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.013 l/sm
H m0 =0.104 m
T p =2.05 s
SWL
D n,50 =0.0198 m

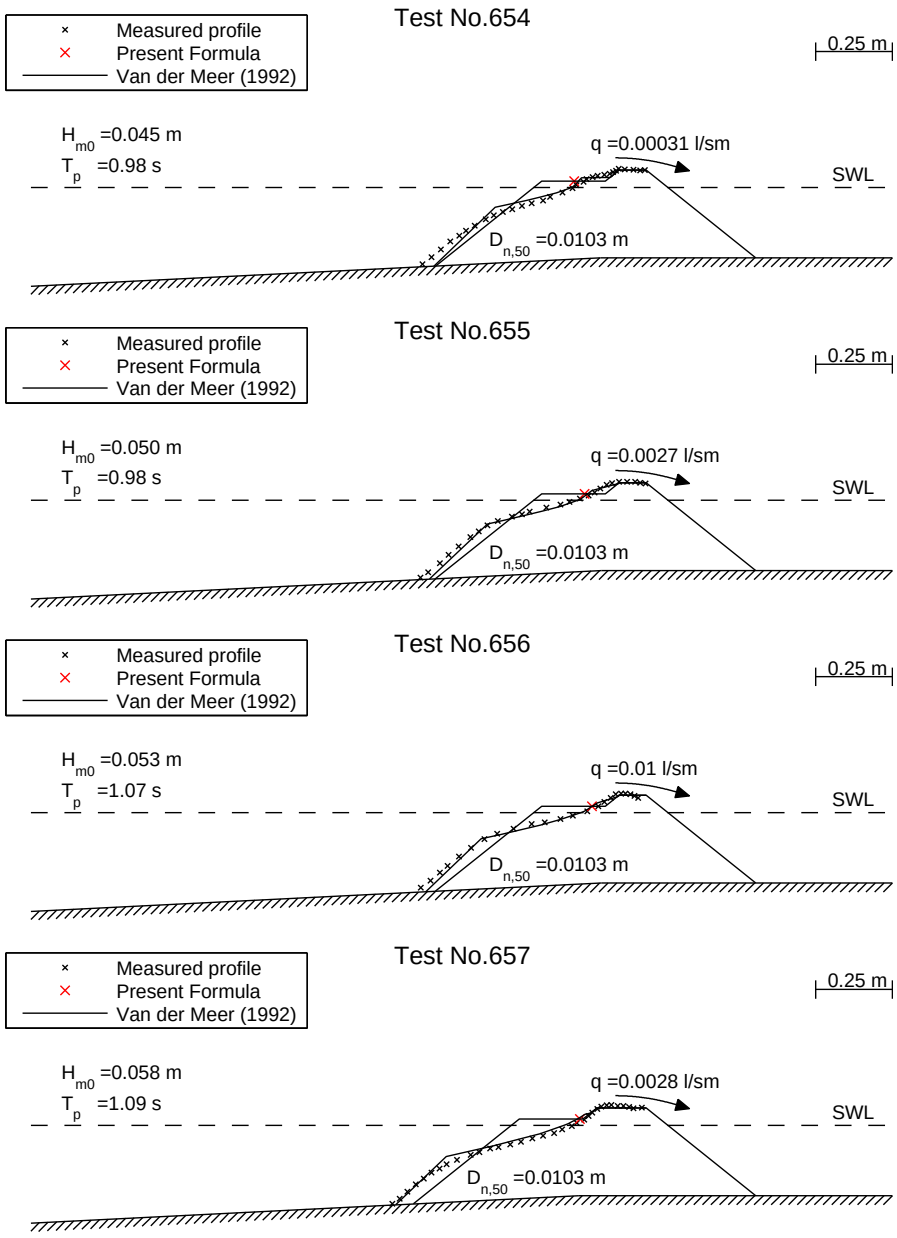

Test No.634
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.012 l/sm
H m0 =0.110 m
T p =2.05 s
SWL
D n,50 =0.0198 m
Test No.635
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.014 l/sm
H m0 =0.119 m
T p =2.05 s
SWL
D n,50 =0.0198 m
Test No.636
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.024 l/sm
H m0 =0.130 m
T p =2.05 s
SWL
D n,50 =0.0198 m
Test No.637
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.00031 l/sm
H m0 =0.101 m
T p =1.38 s
SWL
D n,50 =0.0198 m

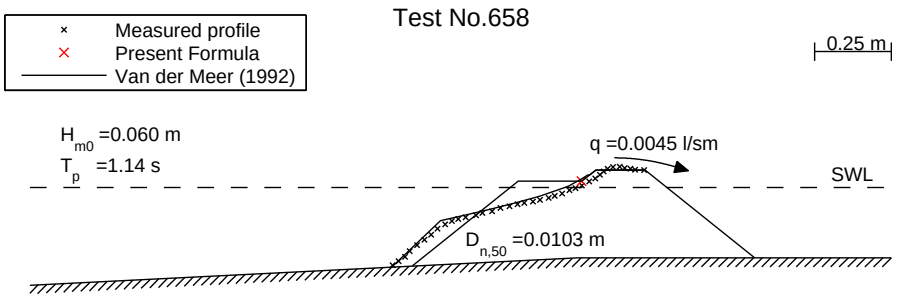

Test No.638
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.00064 l/sm
H m0 =0.108 m
T p =1.42 s
SWL
D n,50 =0.0198 m
Test No.639
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.0014 l/sm
H m0 =0.122 m
T p =1.46 s
SWL
D n,50 =0.0198 m
Test No.640
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.0042 l/sm
H m0 =0.126 m
T p =1.60 s
SWL
D n,50 =0.0198 m
Test No.641
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.0058 l/sm
H m0 =0.132 m
T p =1.65 s
SWL
D n,50 =0.0198 m

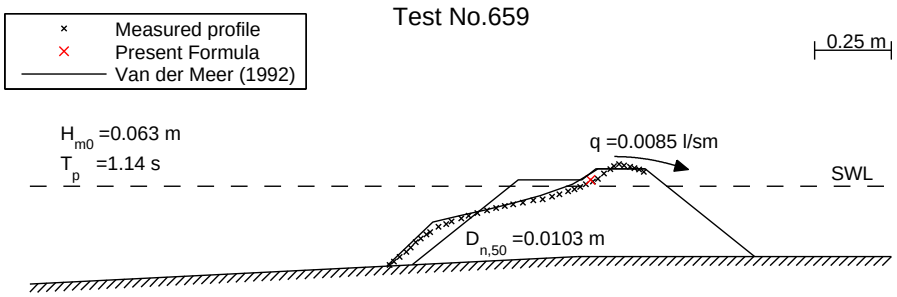

Test No.642
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =5.7e−005 l/sm
H m0 =0.092 m
T p =1.38 s
SWL
D n,50 =0.0198 m
Test No.643
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.00061 l/sm
H m0 =0.097 m
T p =1.38 s
SWL
D n,50 =0.0198 m
Test No.644
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.00043 l/sm
H m0 =0.109 m
T p =1.38 s
SWL
D n,50 =0.0198 m
Test No.645
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.0012 l/sm
H m0 =0.115 m
T p =1.51 s
SWL
D n,50 =0.0198 m

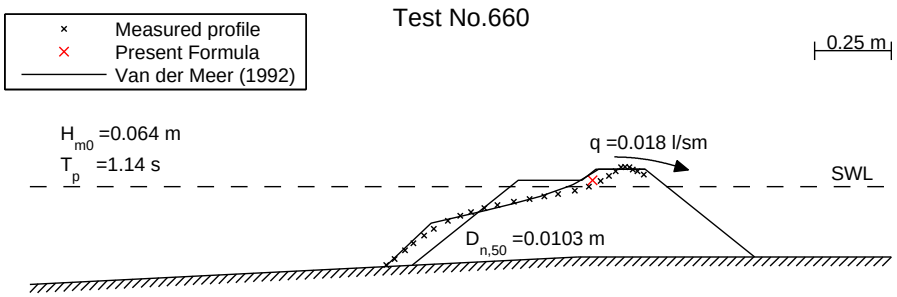

Test No.646
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.0068 l/sm
H m0 =0.125 m
T p =1.60 s
SWL
D n,50 =0.0198 m
Test No.647
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.0087 l/sm
H m0 =0.130 m
T p =1.71 s
SWL
D n,50 =0.0198 m
Test No.648
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =7e−005 l/sm
H m0 =0.091 m
T p =1.38 s
SWL
D n,50 =0.0198 m
Test No.649
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.00044 l/sm
H m0 =0.100 m
T p =1.46 s
SWL
D n,50 =0.0198 m

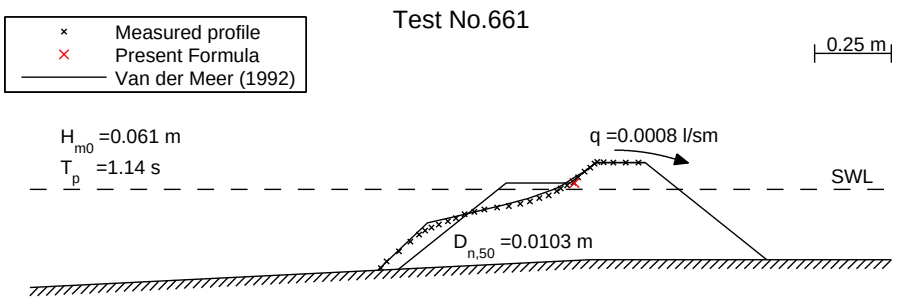

Test No.650
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.0012 l/sm
H m0 =0.109 m
T p =1.42 s
SWL
D n,50 =0.0198 m
Test No.651
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.0052 l/sm
H m0 =0.117 m
T p =1.51 s
SWL
D n,50 =0.0198 m
Test No.652
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.0058 l/sm
H m0 =0.125 m
T p =1.60 s
SWL
D n,50 =0.0198 m
Test No.653
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
q =0.015 l/sm
H m0 =0.129 m
T p =1.60 s
SWL
D n,50 =0.0198 m

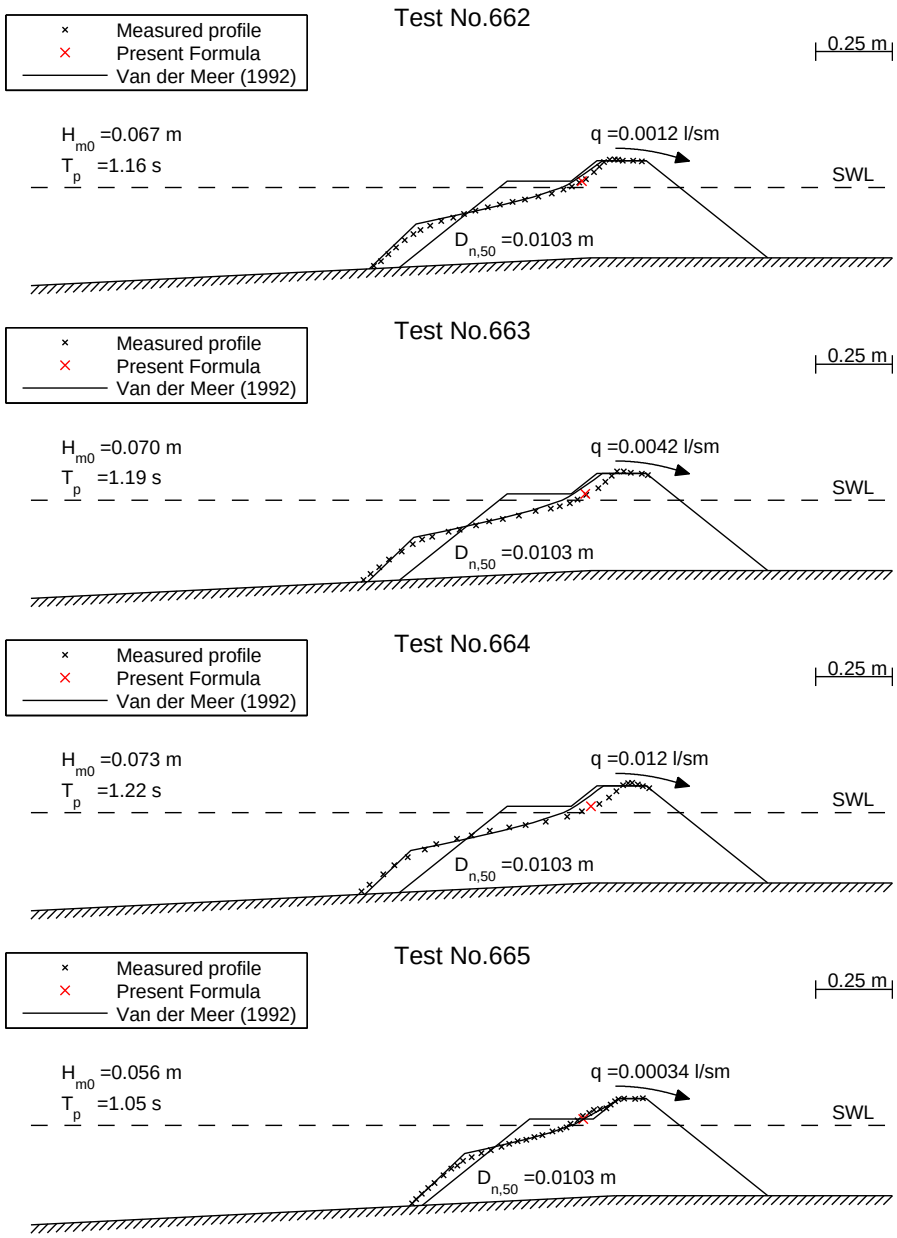

Test No.654
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.045 m
T p =0.98 s
q =0.00031 l/sm
SWL
D n,50 =0.0103 m
Test No.655
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.050 m
T p =0.98 s
q =0.0027 l/sm
SWL
D n,50 =0.0103 m
Test No.656
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.053 m
T p =1.07 s
q =0.01 l/sm
SWL
D n,50 =0.0103 m
Test No.657
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.058 m
T p =1.09 s
q =0.0028 l/sm
SWL
D n,50 =0.0103 m

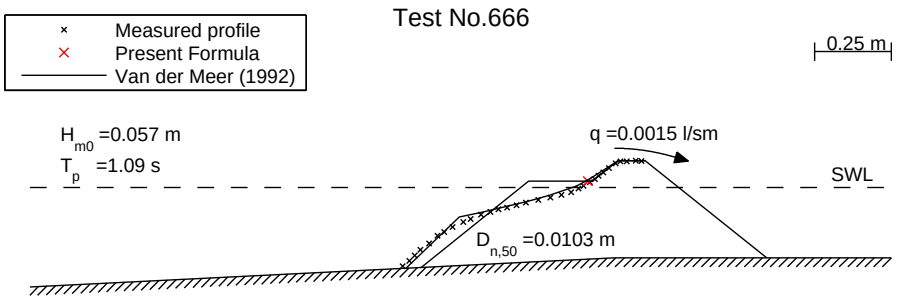

Test No.658
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.060 m
T p =1.14 s
q =0.0045 l/sm
SWL
D n,50 =0.0103 m

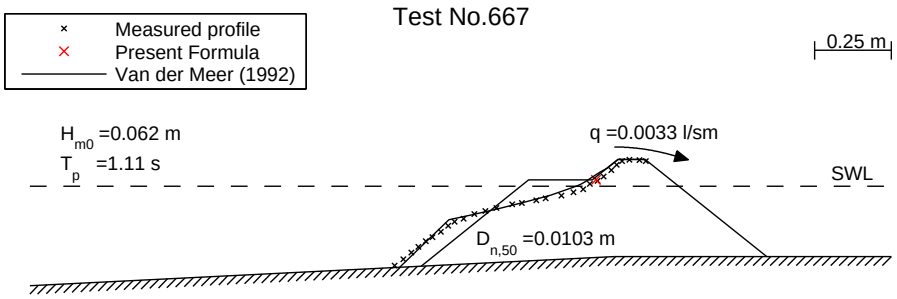

Test No.659
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.063 m
T p =1.14 s
q =0.0085 l/sm
SWL
D n,50 =0.0103 m

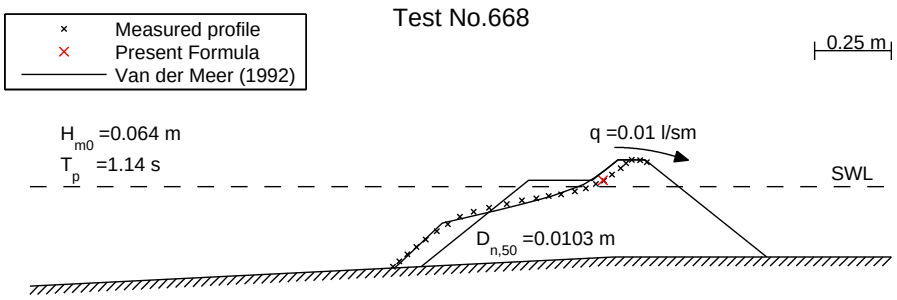

Test No.660
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.064 m
T p =1.14 s
q =0.018 l/sm
SWL
D n,50 =0.0103 m

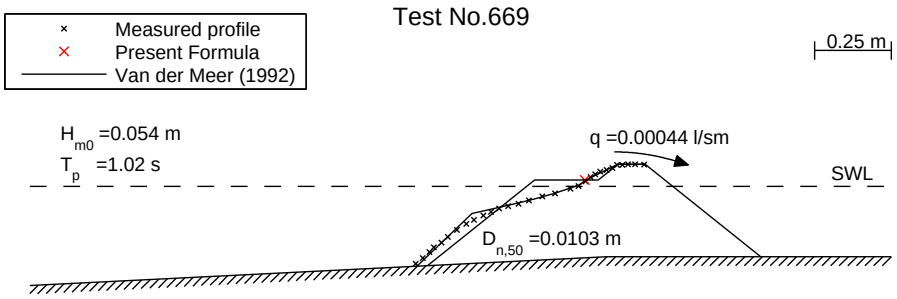

Test No.661
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.061 m
T p =1.14 s
q =0.0008 l/sm
SWL
D n,50 =0.0103 m

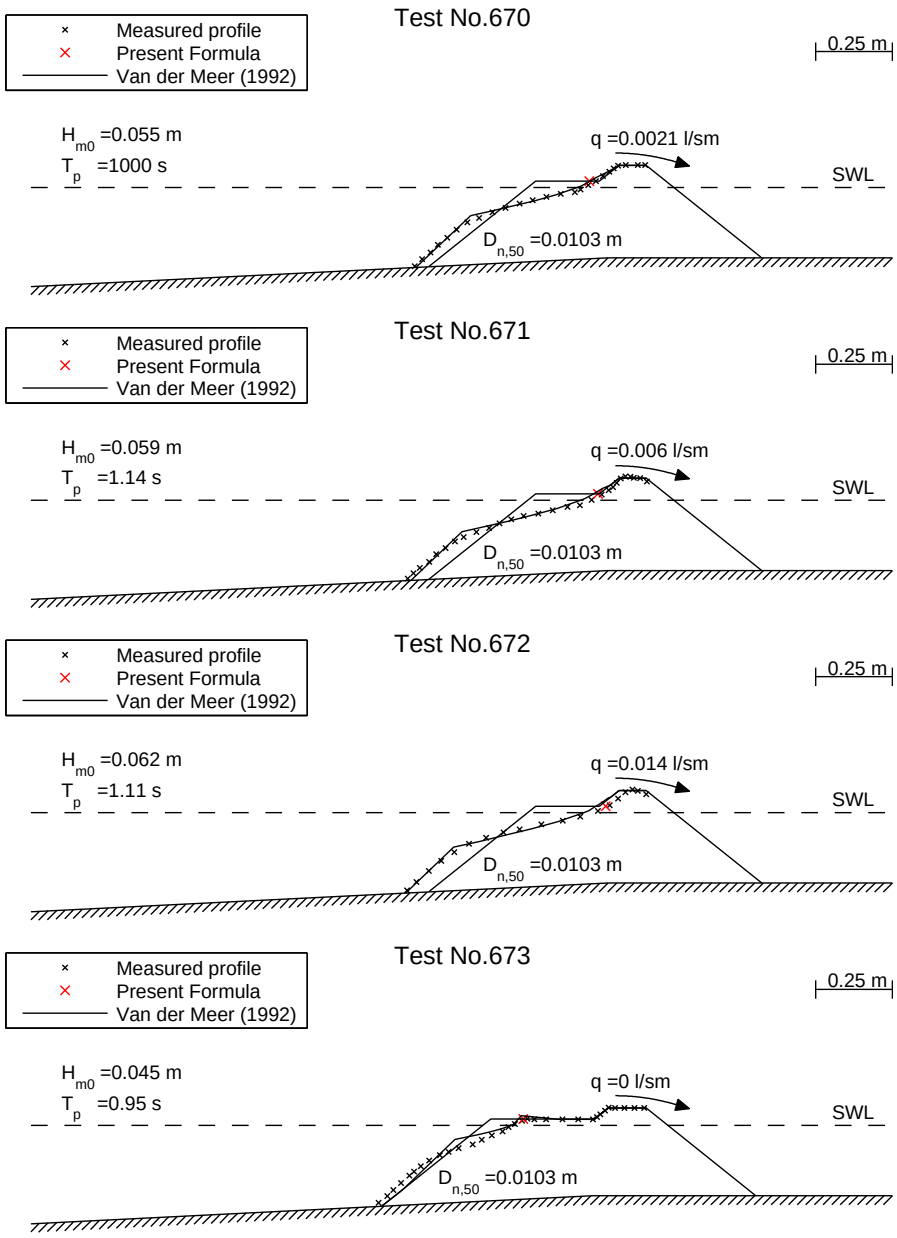

Test No.662
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.067 m
T p =1.16 s
q =0.0012 l/sm
SWL
D n,50 =0.0103 m
Test No.663
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.070 m
T p =1.19 s
q =0.0042 l/sm
SWL
D n,50 =0.0103 m
Test No.664
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.073 m
T p =1.22 s
q =0.012 l/sm
SWL
D n,50 =0.0103 m
Test No.665
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.056 m
T p =1.05 s
q =0.00034 l/sm
SWL
D n,50 =0.0103 m

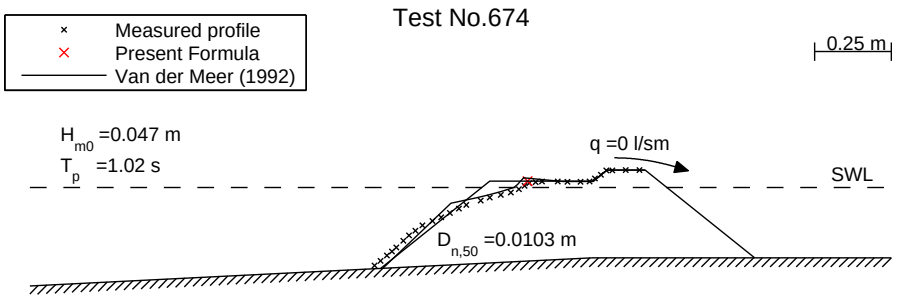

Test No.666
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.057 m
T p =1.09 s
q =0.0015 l/sm
SWL
D n,50 =0.0103 m

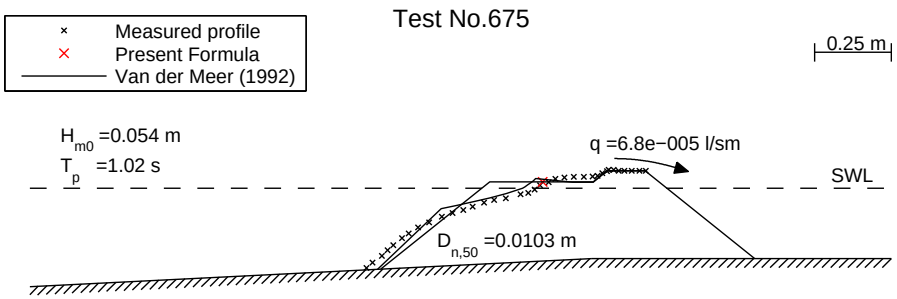

Test No.667
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.062 m
T p =1.11 s
q =0.0033 l/sm
SWL
D n,50 =0.0103 m

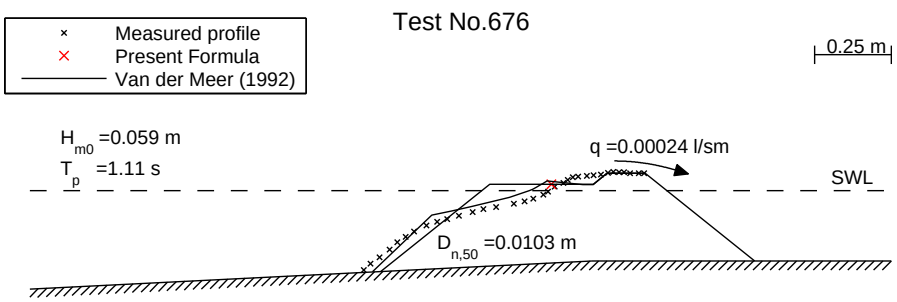

Test No.668
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.064 m
T p =1.14 s
q =0.01 l/sm
SWL
D n,50 =0.0103 m

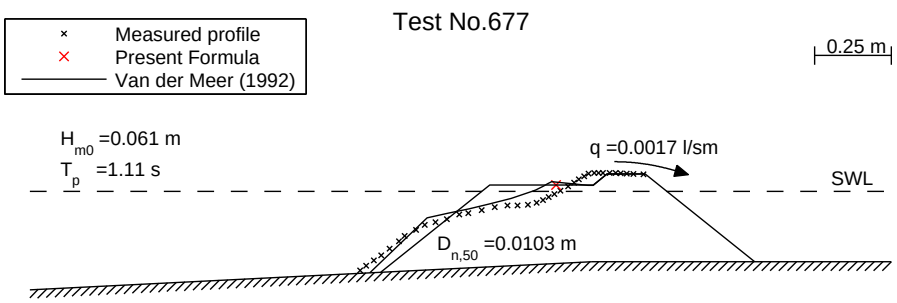

Test No.669
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.054 m
T p =1.02 s
q =0.00044 l/sm
SWL
D n,50 =0.0103 m

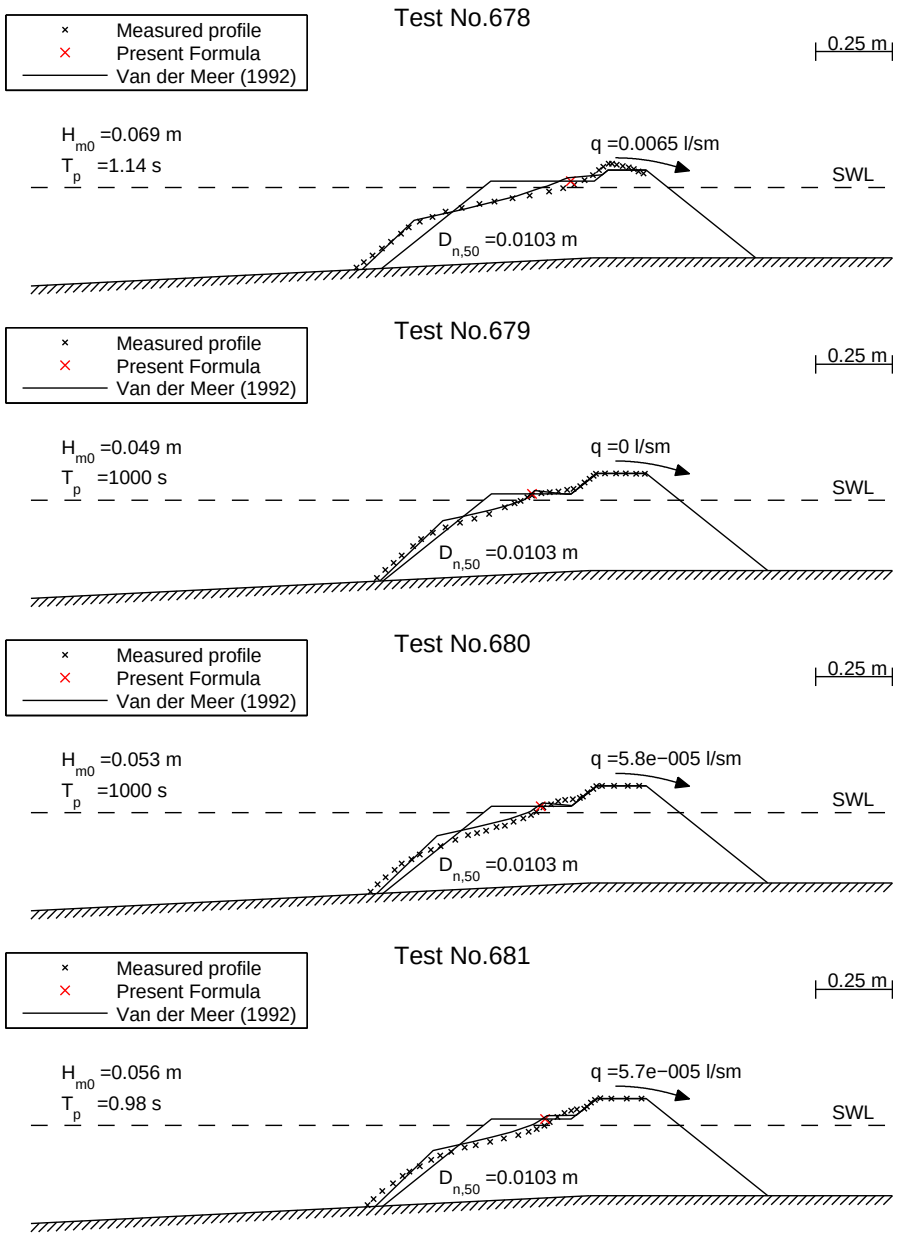

Test No.670
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.055 m
T p =1000 s
q =0.0021 l/sm
SWL
D n,50 =0.0103 m
Test No.671
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.059 m
T p =1.14 s
q =0.006 l/sm
SWL
D n,50 =0.0103 m
Test No.672
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.062 m
T p =1.11 s
q =0.014 l/sm
SWL
D n,50 =0.0103 m
Test No.673
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.045 m
T p =0.95 s
q =0 l/sm
SWL
D n,50 =0.0103 m

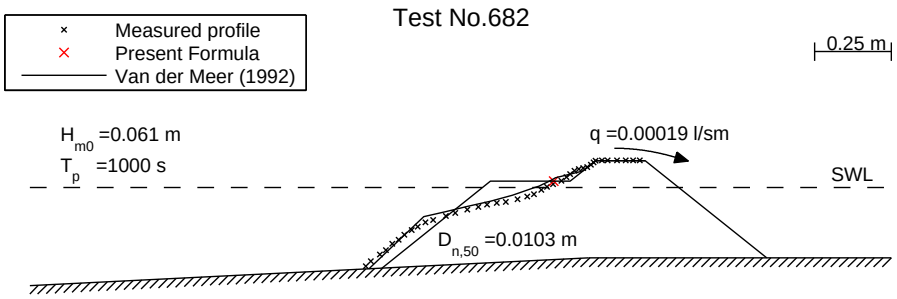

Test No.674
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.047 m
T p =1.02 s
q =0 l/sm
SWL
D n,50 =0.0103 m

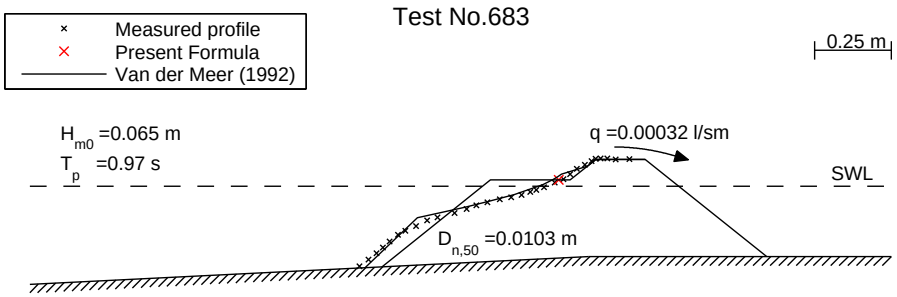

Test No.675
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.054 m
T p =1.02 s
q =6.8e−005 l/sm
SWL
D n,50 =0.0103 m

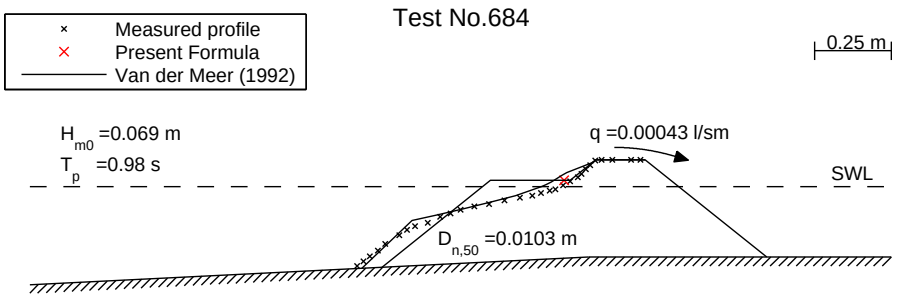

Test No.676
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.059 m
T p =1.11 s
q =0.00024 l/sm
SWL
D n,50 =0.0103 m

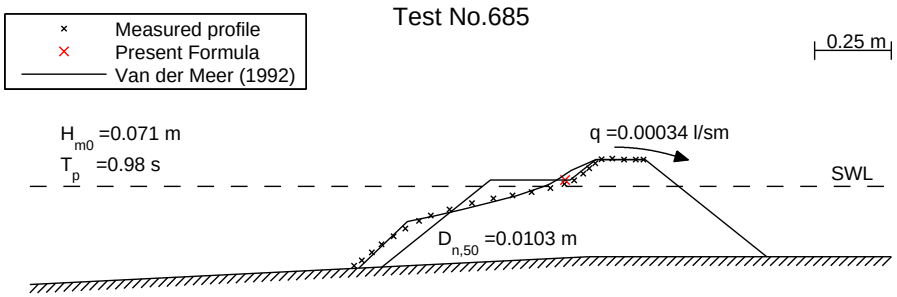

Test No.677
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.061 m
T p =1.11 s
q =0.0017 l/sm
SWL
D n,50 =0.0103 m

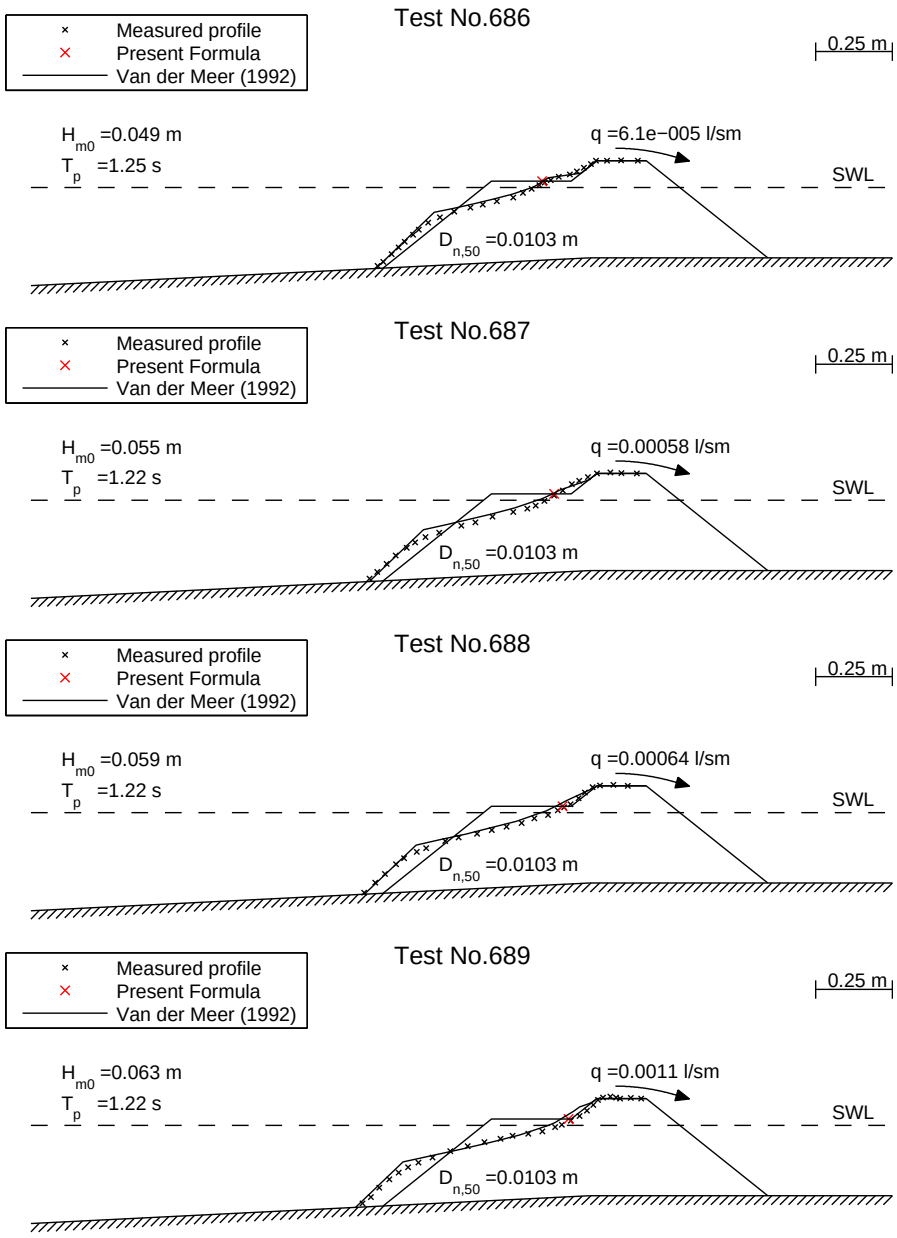

Test No.678
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.069 m
T p =1.14 s
q =0.0065 l/sm
SWL
D n,50 =0.0103 m
Test No.679
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.049 m
T p =1000 s
q =0 l/sm
SWL
D n,50 =0.0103 m
Test No.680
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.053 m
T p =1000 s
q =5.8e−005 l/sm
SWL
D n,50 =0.0103 m
Test No.681
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.056 m
T p =0.98 s
q =5.7e−005 l/sm
SWL
D n,50 =0.0103 m

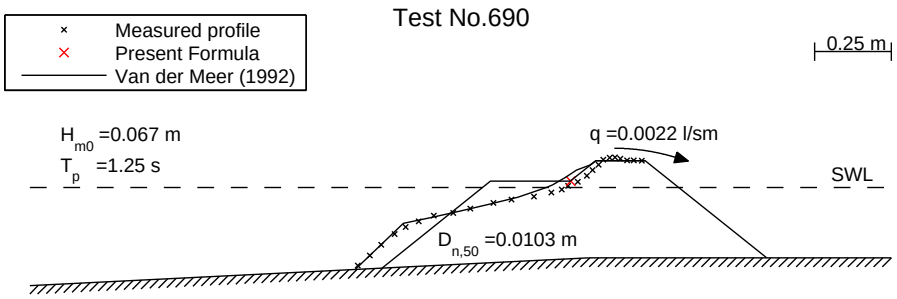

Test No.682
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.061 m
T p =1000 s
q =0.00019 l/sm
SWL
D n,50 =0.0103 m

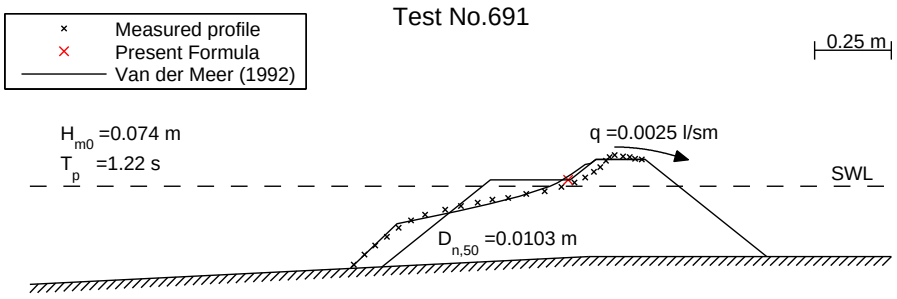

Test No.683
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.065 m
T p =0.97 s
q =0.00032 l/sm
SWL
D n,50 =0.0103 m

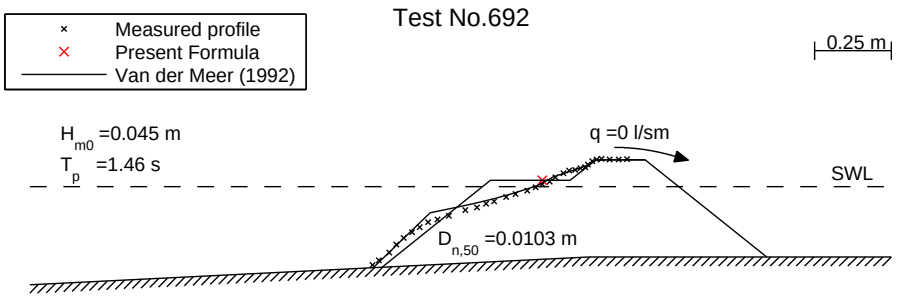

Test No.684
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.069 m
T p =0.98 s
q =0.00043 l/sm
SWL
D n,50 =0.0103 m

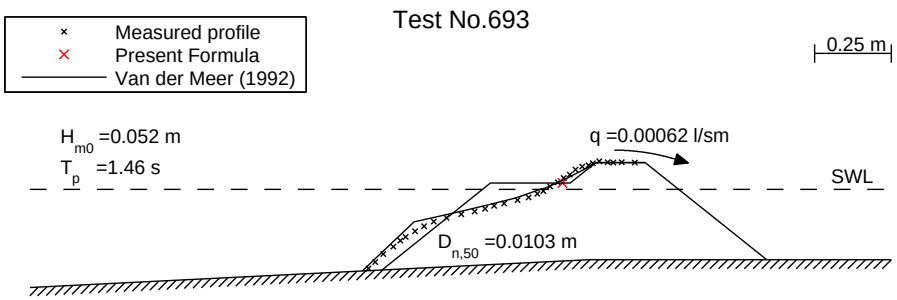

Test No.685
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.071 m
T p =0.98 s
q =0.00034 l/sm
SWL
D n,50 =0.0103 m

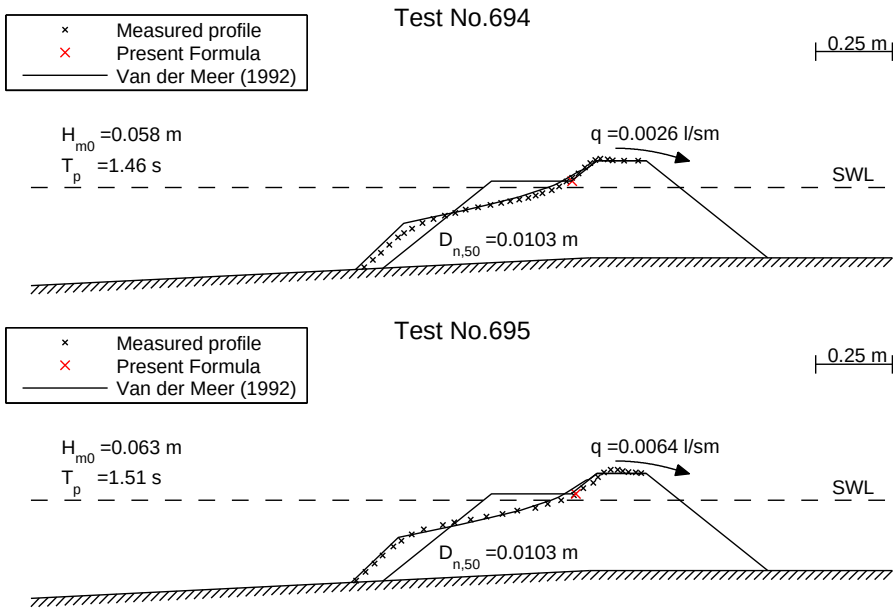

Test No.686
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.049 m
T p =1.25 s
q =6.1e−005 l/sm
SWL
D n,50 =0.0103 m
Test No.687
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.055 m
T p =1.22 s
q =0.00058 l/sm
SWL
D n,50 =0.0103 m
Test No.688
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.059 m
T p =1.22 s
q =0.00064 l/sm
SWL
D n,50 =0.0103 m
Test No.689
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.063 m
T p =1.22 s
q =0.0011 l/sm
SWL
D n,50 =0.0103 m


Test No.690
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.067 m
T p =1.25 s
q =0.0022 l/sm
SWL
D n,50 =0.0103 m


Test No.691
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.074 m
T p =1.22 s
q =0.0025 l/sm
SWL
D n,50 =0.0103 m


Test No.692
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.045 m
T p =1.46 s
q =0 l/sm
SWL
D n,50 =0.0103 m


Test No.693
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.052 m
T p =1.46 s
q =0.00062 l/sm
SWL
D n,50 =0.0103 m


Test No.694
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.058 m
T p =1.46 s
q =0.0026 l/sm
SWL
D n,50 =0.0103 m
Test No.695
Measured profile
Present Formula
Van der Meer (1992)
0.25 m
H m0 =0.063 m
T p =1.51 s
q =0.0064 l/sm
SWL
D n,50 =0.0103 m