

To: Michael Hartley
 2C Loch Street, Nedlands, Western Australia

From: Mine Closure and Geosciences Team Stantec, Perth

File: LMKA-SS-19001 Recharge Lab Assessment Memo

Date: December 3, 2019

Lake Mackay Potash Project: Recharge Assessment Perth Laboratory Program

Dear Michael,

Please see below a brief summary of methods and accompanying data in relation to the recharge laboratory assessment that Stantec was commissioned to perform for Agrimin Limited (Agrimin). This laboratory program was part of an assessment intended to inform the likely variation in groundwater recharge as part of the regional modelling of the Lake Mackay Potash Project (the Project). This summary now contains the appendix with data

Sampling Regime and field collection

Agrimian field personnel conducted the field work and delivered four-inch Shelby soil core samples to Stantec Perth laboratory. Thirty-five Shelby cores were analysed including samples from three 'trench' locations and 14 other locations at the Lake Mackay study site (Table 1). Shelby cores were sealed with end caps to preserve *in situ* soil moisture at the time of collection and kept upright. Samples from 0-50 cm depth were delivered to Stantec's Perth in-house laboratory for testing between June and August 2019. Three replicate samples were received for the Trench sites, and two replicates from other sites. Additional replicates and depths obtained at the same time were analysed at other laboratories or kept at Agrimin for part of the larger project.

Table 1. Sample List

| Sample ID | Replicate | Date received | Laboratory Analysis |
|-----------------|-----------|---------------|---------------------|
| *T2AH-001=T02AH | A and B | 5/8/19 | Column and Tempe |
| | C | 5/8/19 | Initial Conditions |
| T13H-001 | A and B | 5/8/19 | Column and Tempe |
| | C | 5/8/19 | Initial Conditions |
| T13H-006 | A and B | 12/8/19 | Column and Tempe |
| | C | 12/8/19 | Initial Conditions |
| CTH-001 | A | 26/6/19 | Column and Tempe |
| | C | 26/6/19 | Initial Conditions |
| CTH-002 | A | 12/6/19 | Column and Tempe |
| | C | 12/6/19 | Initial Conditions |
| ^CTH-003 | B | 24/8/19 | Column and Tempe |
| | C | 24/8/19* | Initial Conditions |
| CTH-004 | A | 12/6/19 | Column and Tempe |
| | C | 12/6/19 | Initial Conditions |
| CTH-005 | A | 26/6/19 | Column and Tempe |
| | C | 26/6/19 | Initial Conditions |
| CTH-006 | A | 12/6/19 | Column and Tempe |
| | C | 12/6/19 | Initial Conditions |
| CTH-008 | A | 12/6/19 | Column and Tempe |
| | C | 12/6/19 | Initial Conditions |
| CTH-009 | A | 12/6/19 | Column and Tempe |
| | C | 12/6/19 | Initial Conditions |
| CTH-011 | A | 12/6/19 | Column and Tempe |
| | C | 12/6/19 | Initial Conditions |
| CTH-013 | A | 12/6/19 | Column and Tempe |
| | C | 12/6/19 | Initial Conditions |
| CTH-014 | A | 12/6/19 | Column and Tempe |
| | C | 12/6/19 | Initial Conditions |

| | | | |
|---------|---|---------|--------------------|
| CTH-017 | A | 12/6/19 | Column and Tempe |
| | C | 12/6/19 | Initial Conditions |
| CTH-018 | A | 8/7/19 | Column and Tempe |
| | B | 8/8/19 | Initial Conditions |

[^]Location was resampled as original samples were transported upside down and were unusable.

* checked with Agrimin, same site number, just different labels.

Note: Where replicate A was compromised (eg had been bumped or the surface smeared) then the alternate replicate was used for column leaching. Replicates used are indicated in Table 1.

Laboratory Analyses

The laboratory program was conducted using the Shelby tube field replicates supplied as outlined in Table 1.

1. Soil column leaching tests

The column leaching test setup is depicted in Figure 1. Each Shelby core had their cap seals removed and were placed on a sand bed. These beds had an outflow tube connected to a high range electrical conductivity (EC) meter that logged pH and EC of the leachate. These pH/EC meters were re-calibrated before each use with a 20°C temperature coefficient and were set to log readings every five minutes. A 70 cm head of deionised (DI) water was placed in a water column on top of the Shelby cores (equivalent to approximately 3.5 pore volumes) to pass through the sample. Leachate samples (approximately 100 mL) were collected at the beginning of leaching and then during each pore volume (20 cm, 40 cm and 60 cm) and these were stored in a refrigerator at approximately 4°C prior to sending to an external lab for EC, TDS, and specific gravity analysis. Water levels within the columns were monitored and recorded several times a day. The head of water was allowed to flow freely through the Shelby cores until approximately 70 cm of DI water had passed through the Shelby soil tubes, a period which ranged from hours to weeks. The Shelby tubes were then placed in a 30 cm bed of sand to drain for 3 to 5 days.

2. Soil water release and hydraulic characteristics

The Tempe cell multi-step outflow procedure used a modified process outlined by Green et al (1998)¹. Cores for the Tempe cell were collected from the leaching columns once drained. Columns were cut into sections representative of 5-15 cm and 30-40 cm depths. Three-inch brass rings were pressed into these sections to extract an undisturbed core. The ends were trimmed, weighed and placed in a tempe cell. The Tempe cell was then connected to a gas pressure regulator to apply set pressure points of 0.1, 0.2 and 0.8 bar. At each pressure increment water displacement from the core to a burette was measured manually (periodically) and logged using pressure transducers attached to the burette base. Transducers were set to log pressure level and temperature every minute as well as the incoming set pressure. The pressure was increased at intervals to track the rate of water discharge as a function of time for each incremental pressure step. The pressure increments were applied at 0.1 bar for 24 hours, 0.2 bars for 48 hours, then 0.8 bar for four days. Final weight of each core was recorded.

3. Initial conditions testing

Shelby cores were cut into 0 to 5 cm, 5 to 10 cm, 10 to 20 cm, 30 to 40 cm and 40+ cm sections. Soil in each core segments was photographed and used to determine moisture contents and bulk densities. After drying in an oven at 40°C for 24 to 48 hours, a sub-sample (20 g) was removed and analysed for EC (1:5 water solution). The remaining sample was oven dried at 80°C for at least a further 36 hours or until weights were consistent indicating the sample was dry. Final weights of dried samples were recorded and used to calculate soil moisture content and bulk density correcting for salt content. Dried samples from chosen depths were sent to ALS for determination of Particle Size Distribution and Particle Density.

¹ Green TW, Paydar Z, Cresswell HP and Drinkwater RJ (1998) Laboratory outflow technique for measurement of soil water diffusivity and hydraulic conductivity, Technical Report No. 12/98, CSIRO

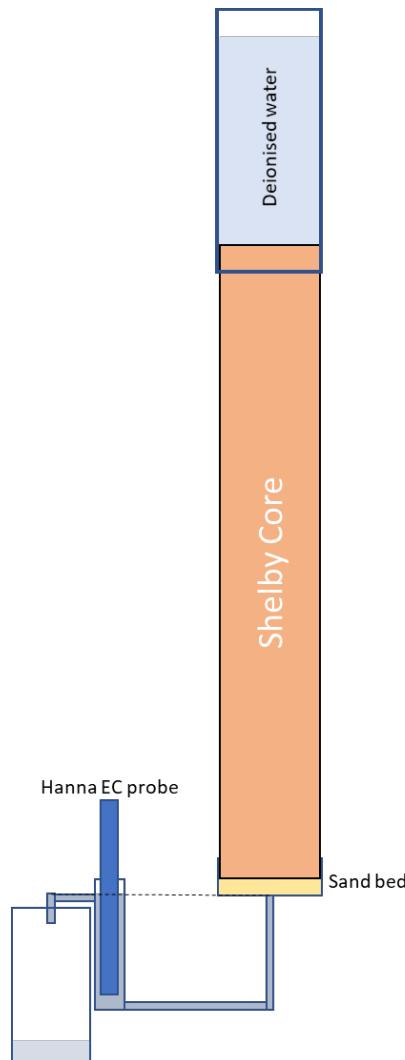


Figure 1 Schematic of column leaching test setup

Data collation

All data collected at the Perth Stantec Laboratory was collated, reviewed, processed and tabulated. The tabulated data and are summarised in the attached appendix.

If you have any queries or require further information about the laboratory program, please do not hesitate to get in touch.

Kind regards,

Dr Tam O'Keeffe
Mine Closure and Geosciences Group
Stantec, Jolimont WA

Cc. Dr Dean Lanyon

Appendix: Tabulated data

1. Soil column leaching tests

| CTH001 | | | |
|--------------------|-----------|------------------------------|---------------------|
| Surface water head | | Drainage solute observations | |
| Time (hrs) | Head (cm) | Time (hrs) | Solute conc. (g/cc) |
| 0.1 | 50.0 | 23.2 | 0.227 |
| 9.2 | 49.1 | 25.2 | 0.228 |
| 20.7 | 48.1 | 28.5 | 0.229 |
| 23.2 | 47.9 | 43.6 | 0.228 |
| 25.2 | 47.7 | 53.2 | 0.229 |
| 28.5 | 47.5 | 71.5 | 0.228 |
| 43.6 | 47.3 | 81.2 | 0.228 |
| 53.2 | 45.5 | 92.7 | 0.226 |
| 71.5 | 44.1 | 94.7 | 0.226 |
| 81.2 | 43.5 | 98.5 | 0.227 |
| 92.7 | 42.6 | 101.4 | 0.227 |
| 94.7 | 42.4 | 104.2 | 0.226 |
| 98.5 | 42.2 | 116.0 | 0.222 |
| 101.4 | 41.9 | 127.4 | 0.216 |
| 104.2 | 41.8 | 141.0 | 0.203 |
| 116.0 | 41.2 | 144.7 | 0.199 |
| 127.4 | 39.9 | 150.2 | 0.193 |
| 141.0 | 38.8 | 166.2 | 0.170 |
| 144.7 | 38.5 | 174.4 | 0.159 |
| 150.2 | 38.0 | 188.2 | 0.141 |
| 166.2 | 36.5 | 193.2 | 0.132 |
| 174.4 | 35.9 | 214.0 | 0.111 |
| 188.2 | 34.7 | 220.2 | 0.104 |
| 193.2 | 34.3 | 236.8 | 0.088 |
| 214.0 | 32.4 | 259.8 | 0.070 |
| 220.2 | 31.9 | 269.0 | 0.064 |
| 236.8 | 30.4 | 269.5 | 0.064 |
| 259.8 | 28.4 | 270.9 | 0.063 |
| 269.0 | 27.6 | 291.3 | 0.050 |
| 269.5 | 27.6 | 293.9 | 0.049 |
| 270.9 | 27.5 | 307.4 | 0.043 |
| 287.7 | 24.9 | 309.2 | 0.042 |
| 291.3 | 24.5 | 314.3 | 0.041 |
| 293.9 | 44.2 | 318.5 | 0.040 |
| 296.5 | 43.4 | 331.8 | 0.035 |
| 307.4 | 41.6 | 339.7 | 0.032 |
| 309.2 | 41.5 | 342.2 | 0.031 |
| 314.3 | 40.5 | 360.5 | 0.026 |

| | | | |
|-------|------|-------|-------|
| 318.5 | 39.9 | 382.7 | 0.021 |
| 331.8 | 37.8 | 384.7 | 0.021 |
| 339.7 | 36.6 | 389.8 | 0.020 |
| 342.2 | 36.3 | 405.4 | 0.017 |
| 360.5 | 33.5 | 413.4 | 0.016 |
| 382.7 | 30.6 | 427.9 | 0.014 |
| 384.7 | 30.4 | 431.7 | 0.013 |
| 389.8 | 29.6 | 433.4 | 0.013 |
| 405.4 | 28.2 | 436.4 | 0.013 |
| 413.4 | 28.0 | 439.2 | 0.012 |
| 427.9 | 25.2 | 453.0 | 0.010 |
| 431.7 | 24.9 | 454.6 | 0.010 |
| 433.4 | 24.8 | 456.6 | 0.010 |
| 436.4 | 24.3 | 459.8 | 0.010 |
| 439.2 | 24.2 | 463.2 | 0.009 |
| 453.0 | 22.6 | 475.9 | 0.008 |
| 454.6 | 22.3 | 482.3 | 0.007 |
| 456.6 | 21.9 | 487.2 | 0.007 |
| 459.8 | 21.6 | 501.7 | 0.006 |
| 463.2 | 21.2 | 503.9 | 0.006 |
| 475.9 | 19.7 | 506.1 | 0.006 |
| 482.3 | 19.1 | 507.7 | 0.006 |
| 487.2 | 18.7 | 509.4 | 0.006 |
| 501.7 | 16.9 | 523.8 | 0.005 |
| 503.9 | 16.6 | 526.6 | 0.005 |
| 506.1 | 16.5 | 528.4 | 0.005 |
| 507.7 | 16.3 | 530.7 | 0.005 |
| 509.4 | 16.1 | 532.7 | 0.005 |
| 523.8 | 14.7 | 550.7 | 0.004 |
| 526.6 | 14.4 | 551.1 | 0.004 |
| 528.4 | 14.3 | | |
| 530.7 | 14.0 | | |
| 532.7 | 13.8 | | |
| 550.7 | 12.1 | | |
| 551.1 | 12.1 | | |

| CTH002 | | | |
|--------------------|-----------|------------------------------|----------------------|
| Surface water head | | Drainage solute observations | |
| Time (hrs) | Head (cm) | Time (hrs) | Solute conc. (g/cc) |
| 0.0 | 50.0 | 1.8 | 0.283 |
| 0.1 | 49.4 | 2.7 | 0.270 |
| 0.3 | 48.7 | 3.6 | 0.256 |
| 5.3 | 37.7 | 4.5 | 0.246 |
| 5.8 | 36.8 | 5.4 | 0.230 |

| | | | |
|------|------|------|-------|
| 7.0 | 35.8 | 6.3 | 0.213 |
| 9.3 | 33.4 | 7.2 | 0.202 |
| 20.8 | 30.4 | 8.1 | 0.191 |
| 23.3 | 35.4 | 9.0 | 0.184 |
| 25.3 | 32.1 | 9.9 | 0.162 |
| 28.6 | 49.4 | 10.8 | 0.135 |
| 43.7 | 23.6 | 11.7 | 0.114 |
| 53.3 | 16.6 | 12.6 | 0.099 |
| | | 13.5 | 0.091 |
| | | 14.4 | 0.082 |
| | | 15.3 | 0.075 |
| | | 16.2 | 0.068 |
| | | 17.1 | 0.063 |
| | | 18.0 | 0.059 |
| | | 18.9 | 0.056 |
| | | 19.8 | 0.053 |
| | | 20.7 | 0.050 |
| | | 21.6 | 0.047 |
| | | 22.5 | 0.044 |
| | | 23.4 | 0.041 |
| | | 24.9 | 0.040 |
| | | 26.4 | 0.034 |
| | | 27.9 | 0.031 |
| | | 29.4 | 0.027 |
| | | 30.9 | 0.026 |
| | | 32.4 | 0.025 |
| | | 33.9 | 0.024 |
| | | 35.4 | 0.022 |
| | | 36.9 | 0.020 |
| | | 39.3 | 0.017 |
| | | 41.7 | 0.016 |
| | | 44.1 | 0.015 |
| | | 46.5 | 0.015 |
| | | 48.9 | 0.014 |
| | | 51.3 | 0.014 |
| | | 53.3 | 0.013 |

| CTH003 | | | |
|--------------------|-----------|------------------------------|---------------------|
| Surface water head | | Drainage solute observations | |
| Time (hrs) | Head (cm) | Time (hrs) | Solute conc. (g/cc) |
| 0.4 | 48.9 | 0.7 | 0.133 |
| 0.5 | 48.8 | 1.3 | 0.129 |
| 1.6 | 45.2 | 2.3 | 0.107 |
| 3.3 | 40.8 | 3.3 | 0.096 |

| | | | |
|------|------|------|-------|
| 4.2 | 38.6 | 4.3 | 0.091 |
| 5.2 | 36.9 | 5.3 | 0.086 |
| 7.0 | 45.5 | 6.3 | 0.078 |
| 7.2 | 45.0 | 9.3 | 0.068 |
| 8.3 | 42.5 | 10.3 | 0.063 |
| 10.3 | 39.8 | 11.3 | 0.059 |
| 12.3 | 37.1 | 12.3 | 0.057 |
| 14.3 | 34.5 | 13.3 | 0.054 |
| 16.3 | 31.8 | 14.3 | 0.051 |
| 18.3 | 29.1 | 15.3 | 0.048 |
| 20.3 | 26.4 | 28.3 | 0.037 |
| 22.3 | 23.7 | 29.3 | 0.035 |
| 23.6 | 22.0 | 30.3 | 0.035 |
| 26.6 | 19.3 | 31.3 | 0.035 |
| 31.3 | 15.5 | 32.3 | 0.036 |
| 34.1 | 13.5 | 33.3 | 0.036 |
| | | 34.1 | 0.036 |

| CTH004 | | | |
|--------------------|-----------|------------------------------|----------------------|
| Surface water head | | Drainage solute observations | |
| Time (hrs) | Head (cm) | Time (hrs) | Solute conc. (g/cc) |
| 0.01 | 50.00 | | |
| 0.33 | 47.30 | 0.40 | 0.191 |
| 0.95 | 44.10 | 0.70 | 0.191 |
| 1.40 | 41.90 | 1.00 | 0.165 |
| 1.50 | 41.40 | 1.30 | 0.147 |
| 1.83 | 38.40 | 1.60 | 0.131 |
| 2.00 | 38.20 | 1.90 | 0.115 |
| 2.25 | 36.80 | 2.20 | 0.103 |
| 2.33 | 35.20 | 2.50 | 0.092 |
| 3.33 | 32.23 | 2.80 | 0.088 |
| 4.33 | 29.25 | 3.10 | 0.084 |
| 5.33 | 26.28 | 3.40 | 0.077 |
| 6.33 | 23.31 | 3.70 | 0.072 |
| 7.33 | 20.34 | 4.00 | 0.067 |
| 8.33 | 17.36 | 4.30 | 0.065 |
| 9.33 | 14.39 | 4.60 | 0.063 |
| 10.33 | 11.42 | 4.90 | 0.060 |
| 11.33 | 8.44 | 5.70 | 0.055 |
| 11.58 | 7.70 | 6.50 | 0.052 |
| 11.83 | 27.70 | 7.30 | 0.050 |
| 13.00 | 24.80 | 8.10 | 0.048 |
| 13.33 | 24.00 | 8.90 | 0.046 |
| 14.33 | 20.60 | 9.70 | 0.045 |

| | | | |
|-------|-------|-------|-------|
| 17.33 | 12.80 | 10.50 | 0.043 |
| 19.33 | 9.20 | 11.30 | 0.042 |
| | | 12.10 | 0.039 |
| | | 12.90 | 0.037 |
| | | 13.70 | 0.035 |
| | | 14.50 | 0.034 |
| | | 15.30 | 0.032 |
| | | 16.10 | 0.031 |
| | | 16.90 | 0.030 |
| | | 17.70 | 0.030 |
| | | 18.50 | 0.029 |
| | | 19.30 | 0.028 |

| CTH005 | | | |
|--------------------|-----------|------------------------------|---------------------|
| Surface water head | | Drainage solute observations | |
| Time (hrs) | Head (cm) | Time (hrs) | Solute conc. (g/cc) |
| 0.00 | 50.00 | 0.00 | 0.000 |
| 10.00 | 48.50 | 10.00 | 0.197 |
| 25.50 | 42.20 | 25.50 | 0.185 |
| 30.63 | 41.10 | 30.63 | 0.189 |
| 33.50 | 40.50 | 33.50 | 0.189 |
| 49.25 | 37.70 | 49.25 | 0.182 |
| 53.67 | 36.50 | 53.67 | 0.185 |
| 58.50 | 35.80 | 58.50 | 0.181 |
| 73.08 | 32.40 | 73.08 | 0.137 |
| 81.00 | 30.10 | 81.00 | 0.114 |
| 96.00 | 23.80 | 96.00 | 0.059 |
| 104.00 | 20.50 | 104.00 | 0.042 |
| 121.25 | 15.90 | 121.25 | 0.011 |
| | | | |

| CTH006 | | | |
|--------------------|-----------|------------------------------|---------------------|
| Surface water head | | Drainage solute observations | |
| Time (hrs) | Head (cm) | Time (hrs) | Solute conc. (g/cc) |
| 0.01 | 50.00 | 18.28 | 0.000 |
| 1.98 | 49.90 | 25.15 | 0.049 |
| 18.28 | 49.70 | 27.37 | 0.053 |
| 21.13 | 49.60 | 28.62 | 0.053 |
| 24.03 | 49.60 | 42.38 | 0.123 |
| 25.15 | 49.50 | 44.20 | 0.124 |
| 27.37 | 49.50 | 45.62 | 0.126 |
| 28.62 | 49.50 | 67.07 | 0.145 |
| 42.38 | 49.40 | 68.72 | 0.146 |

| | | | |
|--------|-------|--------|-------|
| 44.20 | 49.40 | 90.37 | 0.152 |
| 45.62 | 49.30 | 92.22 | 0.165 |
| 67.07 | 49.30 | 94.22 | 0.167 |
| 68.72 | 49.10 | 98.00 | 0.170 |
| 90.37 | 48.90 | 114.33 | 0.182 |
| 92.22 | 48.80 | 119.02 | 0.190 |
| 94.22 | 48.80 | 122.18 | 0.194 |
| 98.00 | 48.70 | 138.38 | 0.195 |
| 114.33 | 48.50 | 162.12 | 0.203 |
| 119.02 | 48.40 | 186.18 | 0.207 |
| 122.18 | 48.40 | 211.08 | 0.208 |
| 138.38 | 48.40 | 235.22 | 0.217 |
| 162.12 | 48.10 | 258.53 | 0.220 |
| 186.18 | 47.80 | 267.93 | 0.230 |
| 211.08 | 47.40 | 284.12 | 0.216 |
| 235.22 | 47.30 | 306.62 | 0.226 |
| 258.53 | 47.00 | 316.07 | 0.228 |
| 267.93 | 47.00 | 330.57 | 0.229 |
| 284.12 | 46.90 | 337.87 | 0.217 |
| 306.62 | 46.60 | 340.87 | 0.215 |
| 316.07 | 44.10 | 353.50 | 0.214 |
| 330.57 | 44.10 | 362.62 | 0.227 |
| 337.87 | 44.00 | 378.78 | 0.222 |
| 340.87 | 44.00 | 387.12 | 0.229 |
| 353.50 | 44.00 | 402.32 | 0.231 |
| 362.62 | 43.80 | 410.45 | 0.226 |
| 378.78 | 43.50 | 428.12 | 0.227 |
| 387.12 | 43.50 | 430.12 | 0.229 |
| 402.32 | 43.40 | 432.53 | 0.232 |
| 410.45 | 43.30 | 436.65 | 0.231 |
| 428.12 | 43.10 | 450.12 | 0.230 |
| 430.12 | 43.10 | | |
| 432.53 | 43.10 | | |
| 436.65 | 43.00 | | |
| 450.12 | 42.80 | | |

| CTH008 | | | |
|--------------------|-----------|------------------------------|---------------------|
| Surface water head | | Drainage solute observations | |
| Time (hrs) | Head (cm) | Time (hrs) | Solute conc. (g/cc) |
| | | | |
| 0.01 | 50.00 | 0.01 | 0.184 |
| 0.33 | 45.00 | 0.61 | 0.097 |
| 0.61 | 36.10 | 0.71 | 0.070 |
| 0.71 | 32.00 | 0.79 | 0.059 |

| | | | |
|------|-------|------|-------|
| 0.79 | 48.10 | 1.04 | 0.025 |
| 1.04 | 34.40 | 1.21 | 0.019 |
| 1.21 | 28.20 | 1.29 | 0.015 |
| 1.29 | 21.20 | 1.46 | 0.011 |
| 1.46 | 13.20 | 1.71 | 0.011 |
| 1.71 | 9.00 | | |

| CTH009 | | | |
|--------------------|-----------|------------------------------|---------------------|
| Surface water head | | Drainage solute observations | |
| Time (hrs) | Head (cm) | Time (hrs) | Solute conc. (g/cc) |
| 0.00 | 50.00 | 0.00 | 0.000 |
| 1.37 | 49.60 | 0.50 | 0.000 |
| 2.78 | 49.00 | 0.92 | 0.000 |
| 24.23 | 45.60 | 1.33 | 0.011 |
| 25.88 | 45.20 | 1.75 | 0.019 |
| 47.53 | 43.00 | 2.17 | 0.048 |
| 49.38 | 42.80 | 2.58 | 0.071 |
| 51.38 | 42.50 | 3.42 | 0.105 |
| 53.25 | 42.30 | 4.25 | 0.127 |
| 55.17 | 42.10 | 5.08 | 0.137 |
| 71.50 | 40.40 | 5.92 | 0.143 |
| 76.18 | 39.90 | 6.75 | 0.145 |
| 79.35 | 39.50 | 7.58 | 0.147 |
| 95.55 | 37.50 | 8.42 | 0.148 |
| 119.28 | 34.80 | 9.25 | 0.147 |
| 143.35 | 32.00 | 10.08 | 0.147 |
| 168.25 | 22.90 | 10.92 | 0.149 |
| 192.38 | 10.00 | 13.42 | 0.149 |
| | | 15.08 | 0.149 |
| | | 16.75 | 0.149 |
| | | 18.42 | 0.149 |
| | | 20.08 | 0.149 |
| | | 21.75 | 0.148 |
| | | 23.42 | 0.148 |
| | | 25.08 | 0.148 |
| | | 26.75 | 0.147 |
| | | 28.42 | 0.147 |
| | | 30.08 | 0.147 |
| | | 31.75 | 0.146 |
| | | 33.42 | 0.146 |
| | | 35.08 | 0.146 |
| | | 40.08 | 0.145 |
| | | 43.42 | 0.144 |
| | | 46.75 | 0.144 |

| | | |
|--|--------|-------|
| | 50.08 | 0.143 |
| | 53.41 | 0.143 |
| | 56.74 | 0.142 |
| | 60.08 | 0.142 |
| | 66.74 | 0.141 |
| | 73.42 | 0.141 |
| | 80.03 | 0.142 |
| | 86.70 | 0.141 |
| | 93.36 | 0.137 |
| | 100.03 | 0.140 |
| | 106.70 | 0.140 |
| | 113.36 | 0.138 |
| | 120.03 | 0.136 |
| | 126.70 | 0.138 |
| | 133.36 | 0.135 |
| | 140.03 | 0.132 |
| | 146.69 | 0.133 |
| | 153.36 | 0.138 |
| | 160.03 | 0.130 |
| | 166.69 | 0.128 |
| | 173.36 | 0.146 |
| | 180.03 | 0.045 |
| | 186.69 | 0.032 |
| | 192.36 | 0.031 |

| CTH0011 | | | |
|--------------------|-----------|------------------------------|---------------------|
| Surface water head | | Drainage solute observations | |
| Time (hrs) | Head (cm) | Time (hrs) | Solute conc. (g/cc) |
| 0.00 | 50.00 | 0.00 | |
| 3.20 | 48.80 | 3.20 | |
| 17.70 | 46.10 | 17.70 | 0.195 |
| 25.00 | 44.20 | 25.00 | 0.197 |
| 28.00 | 43.90 | 28.00 | 0.197 |
| 40.63 | 43.30 | 40.63 | 0.189 |
| 49.75 | 41.70 | 49.75 | 0.195 |
| 65.92 | 39.90 | 65.92 | 0.180 |
| 74.25 | 39.00 | 74.25 | 0.189 |
| 89.45 | 37.60 | 89.45 | 0.178 |
| 97.58 | 36.90 | 97.58 | 0.181 |
| 115.25 | 35.50 | 115.25 | 0.167 |
| 119.67 | 35.40 | 119.67 | 0.169 |
| 123.78 | 33.90 | 123.78 | 0.169 |
| 137.25 | 33.40 | 137.25 | 0.150 |
| 142.75 | 33.40 | 142.75 | 0.151 |

| | | | |
|--------|-------|--------|-------|
| 162.75 | 29.90 | 162.75 | 0.124 |
| 167.75 | 29.60 | 167.75 | 0.116 |
| 170.75 | 47.20 | 170.75 | 0.069 |
| 186.55 | 36.30 | 186.55 | 0.020 |
| 190.75 | 31.20 | 190.75 | 0.018 |
| 195.75 | 28.60 | 195.75 | 0.017 |
| 218.25 | 18.20 | 218.25 | 0.010 |
| 233.50 | 11.40 | 233.50 | 0.009 |
| 241.25 | 7.60 | 241.25 | 0.008 |

| CTH0014 | | | |
|--------------------|-----------|------------------------------|---------------------|
| Surface water head | | Drainage solute observations | |
| Time (hrs) | Head (cm) | Time (hrs) | Solute conc. (g/cc) |
| 2.22 | 49.60 | 2.22 | 0.127 |
| 3.47 | 49.40 | 3.47 | 0.167 |
| 17.23 | 44.70 | 17.23 | 0.197 |
| 19.05 | 44.30 | 19.05 | 0.197 |
| 20.47 | 44.10 | 20.47 | 0.198 |
| 41.92 | 42.00 | 41.92 | 0.202 |
| 43.57 | 41.80 | 43.57 | 0.202 |
| 65.22 | 40.70 | 65.22 | 0.212 |
| 67.07 | 40.70 | 67.07 | 0.212 |
| 69.07 | 40.60 | 69.07 | 0.212 |
| 72.85 | 40.50 | 72.85 | 0.212 |
| 89.18 | 39.70 | 89.18 | 0.218 |
| 93.87 | 42.20 | 93.87 | 0.219 |
| 97.03 | 39.50 | 97.03 | 0.220 |
| 113.23 | 39.10 | 113.23 | 0.221 |
| 136.97 | 38.30 | 136.97 | 0.222 |
| 161.03 | 37.60 | 161.03 | 0.223 |
| 185.93 | 36.60 | 185.93 | 0.225 |
| 210.07 | 35.70 | 210.07 | 0.224 |
| 233.38 | 35.00 | 233.38 | 0.224 |
| 242.78 | 34.80 | 242.78 | 0.224 |
| 258.97 | 34.40 | 258.97 | 0.224 |
| 281.47 | 33.90 | 281.47 | 0.223 |
| 305.42 | 33.30 | 305.42 | 0.224 |
| 312.72 | 33.20 | 312.72 | 0.225 |
| 316.72 | 33.20 | 316.72 | 0.223 |
| 328.35 | 32.90 | 328.35 | 0.223 |
| 337.47 | 32.60 | 337.47 | 0.224 |
| 353.63 | 32.40 | 353.63 | 0.223 |
| 361.97 | 32.10 | 361.97 | 0.223 |
| 377.17 | 31.90 | 377.17 | 0.222 |

| | | | |
|--------|-------|--------|-------|
| 385.30 | 31.70 | 385.30 | 0.223 |
| 402.97 | 31.50 | 402.97 | 0.225 |
| 407.38 | 31.40 | 407.38 | 0.222 |
| 411.50 | 31.30 | 411.50 | 0.222 |
| 424.97 | 31.10 | 424.97 | 0.222 |
| 430.47 | 31.00 | 430.47 | 0.222 |
| 450.47 | 30.30 | 450.47 | 0.216 |
| 455.47 | 30.20 | 455.47 | 0.221 |
| 458.47 | 30.00 | 458.47 | 0.222 |
| 474.13 | 29.70 | 474.13 | 0.215 |
| 478.47 | 29.50 | 478.47 | 0.222 |
| 483.47 | 29.50 | 483.47 | 0.214 |
| 505.97 | 29.00 | 505.97 | 0.213 |
| 521.22 | 28.70 | 521.22 | 0.203 |
| 528.97 | 28.60 | 528.97 | 0.207 |
| 552.85 | 28.00 | 552.85 | 0.203 |
| 570.47 | 27.70 | 570.47 | 0.197 |
| 573.97 | 27.70 | 573.97 | 0.205 |
| 580.47 | 27.60 | 580.47 | 0.210 |

| CTH0017 | | | |
|--------------------|-----------|------------------------------|---------------------|
| Surface water head | | Drainage solute observations | |
| Time (hrs) | Head (cm) | Time (hrs) | Solute conc. (g/cc) |
| 0.01 | 50 | 0.00 | 0.000 |
| 0.58 | 49.7 | 50.08 | 0.242 |
| 2.00 | 49 | 53.42 | 0.243 |
| 23.45 | 46.2 | 56.75 | 0.242 |
| 25.10 | 46 | 60.08 | 0.242 |
| 46.75 | 43.9 | 63.42 | 0.242 |
| 48.60 | 43.2 | 66.75 | 0.238 |
| 50.60 | 42.8 | 70.08 | 0.235 |
| 54.38 | 42.3 | 78.33 | 0.230 |
| 70.72 | 41 | 94.73 | 0.224 |
| 75.40 | 39.5 | 118.43 | 0.208 |
| 78.57 | 39.2 | 142.50 | 0.184 |
| 94.77 | 36.9 | 167.31 | 0.131 |
| 118.50 | 34 | 183.58 | 0.090 |
| 142.57 | 30.5 | 188.58 | 0.083 |
| 167.47 | 25.7 | 169.64 | 0.120 |
| 191.60 | 23.2 | 174.64 | 0.106 |
| 214.92 | 40.3 | 179.64 | 0.096 |
| 224.32 | 37.5 | 184.64 | 0.088 |
| 240.50 | 32 | 189.64 | 0.081 |
| 244.73 | 30 | 194.64 | 0.070 |

| | | |
|--|--------|-------|
| | 199.64 | 0.059 |
| | 204.64 | 0.050 |
| | 209.64 | 0.043 |
| | 214.64 | 0.037 |
| | 219.64 | 0.034 |
| | 224.64 | 0.030 |
| | 229.64 | 0.028 |
| | 234.64 | 0.025 |
| | 239.64 | 0.022 |
| | 244.73 | 0.020 |

| CTH0018 | | | |
|--------------------|-----------|------------------------------|---------------------|
| Surface water head | | Drainage solute observations | |
| Time (hrs) | Head (cm) | Time (hrs) | Solute conc. (g/cc) |
| 0.00 | 50.00 | 0.00 | 0.000 |
| 1.38 | 46.60 | 0.92 | 0.136 |
| 3.98 | 38.90 | 1.33 | 0.134 |
| 6.00 | 37.88 | 1.75 | 0.119 |
| 9.00 | 36.37 | 2.17 | 0.101 |
| 12.00 | 34.86 | 2.58 | 0.087 |
| 15.00 | 33.35 | 3.00 | 0.078 |
| 18.00 | 31.83 | 3.42 | 0.070 |
| 21.00 | 30.32 | 3.83 | 0.065 |
| 22.23 | 29.70 | 4.25 | 0.060 |
| 24.23 | 28.30 | 4.67 | 0.055 |
| 26.22 | 22.40 | 5.08 | 0.051 |
| 27.23 | 21.40 | 5.50 | 0.047 |
| 29.32 | 16.50 | 5.92 | 0.045 |
| 32.00 | 14.09 | 6.75 | 0.045 |
| 35.00 | 11.41 | 7.58 | 0.043 |
| 38.00 | 8.72 | 8.42 | 0.042 |
| 41.00 | 6.03 | 9.25 | 0.041 |
| 44.00 | 3.34 | 10.08 | 0.038 |
| 44.93 | 2.50 | 10.92 | 0.037 |
| | | 11.75 | 0.035 |
| | | 12.58 | 0.034 |
| | | 13.42 | 0.032 |
| | | 14.25 | 0.031 |
| | | 15.08 | 0.030 |
| | | 15.92 | 0.029 |
| | | 17.58 | 0.027 |
| | | 18.83 | 0.027 |
| | | 20.08 | 0.026 |
| | | 21.33 | 0.026 |

| | | | |
|--|--|-------|-------|
| | | 22.58 | 0.026 |
| | | 23.83 | 0.025 |
| | | 25.08 | 0.025 |
| | | 26.33 | 0.022 |
| | | 27.58 | 0.019 |
| | | 28.83 | 0.017 |
| | | 30.08 | 0.016 |
| | | 31.33 | 0.016 |
| | | 32.58 | 0.015 |
| | | 33.83 | 0.015 |
| | | 35.08 | 0.014 |
| | | 36.33 | 0.014 |
| | | 37.58 | 0.014 |
| | | 38.83 | 0.014 |
| | | 40.08 | 0.014 |
| | | 41.33 | 0.014 |
| | | 42.58 | 0.014 |
| | | 43.83 | 0.014 |
| | | 44.92 | |

| T2AH001B | | | |
|--------------------|-----------|------------------------------|---------------------|
| Surface water head | | Drainage solute observations | |
| Time (hrs) | Head (cm) | Time (hrs) | Solute conc. (g/cc) |
| 0.01 | 50.00 | 125.00 | 0.120 |
| 22.23 | 44.50 | 135.00 | 0.114 |
| 24.23 | 44.20 | 145.00 | 0.115 |
| 26.22 | 43.90 | 160.00 | 0.113 |
| 29.32 | 43.90 | 180.00 | 0.113 |
| 44.93 | 41.40 | 200.00 | 0.113 |
| 67.40 | 39.70 | 220.00 | 0.113 |
| 71.23 | 39.50 | 240.00 | 0.117 |
| 72.90 | 39.40 | 260.00 | 0.118 |
| 75.90 | 39.30 | 280.00 | 0.120 |
| 78.73 | 40.20 | 310.00 | 0.093 |
| 92.48 | 39.70 | 320.00 | 0.069 |
| 94.07 | 39.70 | 330.00 | 0.053 |
| 96.07 | 39.70 | 340.00 | 0.046 |
| 102.73 | 39.40 | 350.00 | 0.042 |
| 115.40 | 38.70 | 360.00 | 0.038 |
| 121.77 | 38.40 | 370.00 | 0.037 |
| 126.73 | 38.40 | 380.00 | 0.035 |
| 141.23 | 36.50 | 390.00 | 0.034 |
| 143.40 | 36.50 | 400.00 | 0.032 |

| | | | |
|--------|-------|--------|-------|
| 145.57 | 36.40 | 410.00 | 0.032 |
| 147.23 | 36.40 | 480.00 | 0.028 |
| 148.93 | 36.40 | 490.00 | 0.025 |
| 163.27 | 36.10 | 500.00 | 0.023 |
| 166.10 | 36.10 | 510.00 | 0.023 |
| 167.87 | 36.10 | 520.00 | 0.022 |
| 170.15 | 36.00 | 530.00 | 0.023 |
| 172.23 | 36.00 | 540.00 | 0.023 |
| 190.23 | 35.60 | 550.00 | 0.022 |
| 190.82 | 35.60 | 560.00 | 0.020 |
| 212.48 | 35.10 | 570.00 | 0.018 |
| 220.63 | 35.00 | 580.00 | 0.017 |
| 235.50 | 34.70 | 590.00 | 0.016 |
| 237.23 | 34.60 | 600.00 | 0.016 |
| 239.23 | 34.60 | 610.00 | 0.015 |
| 241.77 | 34.60 | 620.00 | 0.015 |
| 260.62 | 34.30 | 624.72 | 0.015 |
| 264.58 | 34.20 | | |
| 267.15 | 34.30 | | |
| 271.53 | 34.20 | | |
| 283.43 | 34.00 | | |
| 287.90 | 34.00 | | |
| 290.35 | 53.90 | | |
| 307.23 | 51.20 | | |
| 310.43 | 50.60 | | |
| 313.65 | 50.00 | | |
| 317.40 | 49.50 | | |
| 331.47 | 46.90 | | |
| 339.35 | 45.60 | | |
| 356.67 | 42.70 | | |
| 362.63 | 41.70 | | |
| 380.03 | 39.00 | | |
| 388.48 | 37.80 | | |
| 403.17 | 36.00 | | |
| 413.23 | 35.00 | | |
| 427.43 | 33.70 | | |
| 431.07 | 33.40 | | |
| 438.82 | 32.80 | | |
| 451.35 | 31.40 | | |
| 459.37 | 30.40 | | |
| 461.03 | 30.30 | | |
| 475.67 | 28.50 | | |
| 479.90 | 27.90 | | |
| 480.82 | 27.90 | | |

| | | | |
|--------|-------|--|--|
| 482.67 | 27.60 | | |
| 483.93 | 27.50 | | |
| 499.27 | 25.60 | | |
| 502.28 | 25.20 | | |
| 506.97 | 24.60 | | |
| 509.73 | 24.30 | | |
| 525.63 | 22.80 | | |
| 548.90 | 20.40 | | |
| 556.73 | 19.20 | | |
| 571.23 | 17.60 | | |
| 576.55 | 16.90 | | |
| 581.82 | 16.30 | | |
| 594.15 | 15.00 | | |
| 601.23 | 14.20 | | |
| 603.23 | 14.00 | | |
| 620.73 | 12.50 | | |
| 622.23 | 12.40 | | |
| 624.72 | 12.20 | | |

| T2AH001C | | | |
|--------------------|-----------|------------------------------|---------------------|
| Surface water head | | Drainage solute observations | |
| Time (hrs) | Head (cm) | Time (hrs) | Solute conc. (g/cc) |
| 0.00 | 50.00 | 4.85 | 0.143 |
| 5.25 | 48.00 | 390.00 | 0.136 |
| 8.67 | 48.00 | 410.00 | 0.131 |
| 21.33 | 45.90 | 430.00 | 0.108 |
| 27.70 | 43.80 | 450.00 | 0.089 |
| 32.67 | 43.00 | 470.00 | 0.080 |
| 47.17 | 41.30 | 490.00 | 0.076 |
| 49.33 | 41.00 | 510.00 | 0.073 |
| 51.50 | 40.80 | 530.00 | 0.071 |
| 53.17 | 40.60 | 550.00 | 0.070 |
| 54.87 | 40.40 | 570.00 | 0.069 |
| 69.20 | 39.00 | 590.00 | 0.068 |
| 72.03 | 38.70 | 610.00 | 0.067 |
| 73.80 | 38.60 | 630.00 | 0.067 |
| 76.08 | 38.40 | 650.00 | 0.066 |
| 78.17 | 38.30 | 670.00 | 0.065 |
| 96.17 | 37.10 | 690.00 | 0.064 |
| 96.50 | 37.10 | 710.00 | 0.062 |
| 118.42 | 36.00 | 724.27 | 0.061 |
| 126.57 | 35.70 | | |
| 141.43 | 35.00 | | |
| 143.17 | 35.00 | | |

| | | | |
|--------|-------|--|--|
| 145.17 | 34.80 | | |
| 147.70 | 34.80 | | |
| 166.53 | 34.00 | | |
| 170.52 | 33.90 | | |
| 172.83 | 33.90 | | |
| 173.08 | 33.80 | | |
| 177.47 | 33.60 | | |
| 189.37 | 33.30 | | |
| 196.28 | 33.00 | | |
| 199.67 | 33.00 | | |
| 213.17 | 32.70 | | |
| 216.37 | 32.60 | | |
| 219.58 | 32.50 | | |
| 223.33 | 32.40 | | |
| 237.40 | 32.10 | | |
| 245.28 | 31.90 | | |
| 262.60 | 31.50 | | |
| 268.57 | 31.30 | | |
| 285.97 | 30.90 | | |
| 294.42 | 30.90 | | |
| 309.10 | 30.60 | | |
| 319.17 | 30.50 | | |
| 333.37 | 30.10 | | |
| 337.00 | 30.10 | | |
| 344.75 | 29.90 | | |
| 357.28 | 29.60 | | |
| 365.30 | 29.50 | | |
| 366.97 | 29.50 | | |
| 381.60 | 29.20 | | |
| 385.67 | 48.30 | | |
| 386.75 | 48.30 | | |
| 389.87 | 48.10 | | |
| 405.20 | 47.40 | | |
| 408.22 | 47.00 | | |
| 412.90 | 46.70 | | |
| 415.67 | 46.60 | | |
| 431.40 | 45.90 | | |
| 454.83 | 44.60 | | |
| 466.90 | 44.10 | | |
| 477.17 | 43.20 | | |
| 482.48 | 43.00 | | |
| 487.75 | 42.60 | | |
| 500.08 | 42.10 | | |
| 507.17 | 41.80 | | |

| | | | |
|--------|-------|--|--|
| 509.17 | 41.60 | | |
| 526.67 | 41.00 | | |
| 528.17 | 41.00 | | |
| 536.32 | 40.70 | | |
| 549.25 | 40.00 | | |
| 552.67 | 39.90 | | |
| 558.17 | 39.70 | | |
| 559.67 | 39.70 | | |
| 573.17 | 39.00 | | |
| 576.37 | 38.90 | | |
| 577.70 | 38.80 | | |
| 578.27 | 38.80 | | |
| 580.58 | 38.70 | | |
| 583.17 | 38.70 | | |
| 600.50 | 38.00 | | |
| 605.92 | 37.90 | | |
| 624.90 | 37.20 | | |
| 629.98 | 36.90 | | |
| 645.33 | 36.30 | | |
| 648.98 | 36.20 | | |
| 651.15 | 36.20 | | |
| 653.00 | 36.20 | | |
| 654.07 | 36.20 | | |
| 669.28 | 35.70 | | |
| 673.50 | 35.60 | | |
| 676.02 | 35.50 | | |
| 676.67 | 35.50 | | |
| 693.48 | 34.90 | | |
| 700.47 | 34.70 | | |
| 717.28 | 34.20 | | |
| 724.27 | 33.90 | | |

| T13H001A | | | |
|--------------------|-----------|------------------------------|---------------------|
| Surface water head | | Drainage solute observations | |
| Time (hrs) | Head (cm) | Time (hrs) | Solute conc. (g/cc) |
| 0.01 | 50.00 | 95.00 | 0.145 |
| 2.45 | 49.50 | 100.00 | 0.147 |
| 5.83 | 49.40 | 105.00 | 0.147 |
| 19.33 | 48.20 | 110.00 | 0.148 |
| 22.53 | 48.00 | 115.00 | 0.148 |
| 25.75 | 47.70 | 120.00 | 0.149 |
| 29.50 | 47.50 | 125.00 | 0.150 |
| 43.57 | 46.50 | 130.00 | 0.149 |
| 51.45 | 46.10 | 135.00 | 0.149 |

| | | | |
|--------|-------|--------|-------|
| 68.43 | 44.90 | 140.00 | 0.149 |
| 74.73 | 44.60 | 145.00 | 0.150 |
| 92.13 | 43.60 | 150.00 | 0.150 |
| 100.58 | 43.00 | 160.00 | 0.149 |
| 115.23 | 41.80 | 170.00 | 0.150 |
| 125.33 | 41.80 | 180.00 | 0.149 |
| 139.53 | 40.90 | 190.00 | 0.149 |
| 143.17 | 40.80 | 200.00 | 0.149 |
| 150.92 | 40.70 | 210.00 | 0.147 |
| 163.45 | 39.80 | 220.00 | 0.146 |
| 171.47 | 39.50 | 230.00 | 0.146 |
| 173.13 | 39.40 | 240.00 | 0.142 |
| 187.77 | 38.80 | 250.00 | 0.139 |
| 192.00 | 38.70 | 260.00 | 0.135 |
| 192.92 | 38.60 | 270.00 | 0.127 |
| 194.97 | 38.60 | 280.00 | 0.117 |
| 196.03 | 38.50 | 290.00 | 0.106 |
| 211.37 | 37.80 | 300.00 | 0.093 |
| 214.38 | 37.70 | 310.00 | 0.081 |
| 219.07 | 37.50 | 320.00 | 0.070 |
| 221.83 | 37.40 | 330.00 | 0.060 |
| 237.57 | 36.70 | 340.00 | 0.049 |
| 261.00 | 35.60 | 350.00 | 0.040 |
| 261.07 | 55.90 | 360.00 | 0.032 |
| 268.83 | 55.30 | 370.00 | 0.026 |
| 283.33 | 54.20 | 380.00 | 0.021 |
| 288.33 | 54.00 | 390.00 | 0.018 |
| 291.60 | 53.60 | 400.00 | 0.015 |
| 293.92 | 53.50 | 410.00 | 0.012 |
| 306.25 | 52.80 | 420.00 | 0.010 |
| 307.80 | 52.70 | 430.00 | 0.009 |
| 313.33 | 52.10 | 440.00 | 0.008 |
| 315.33 | 52.10 | 450.00 | 0.007 |
| 332.83 | 51.00 | 460.00 | 0.006 |
| 334.33 | 50.90 | 470.00 | 0.005 |
| 339.77 | 50.50 | 480.00 | 0.005 |
| 342.48 | 50.30 | 490.00 | 0.005 |
| 355.42 | 49.30 | 500.00 | 0.004 |
| 358.83 | 49.10 | 510.00 | 0.004 |
| 364.33 | 48.80 | 520.00 | 0.004 |
| 365.83 | 48.70 | 530.43 | 0.004 |
| 379.33 | 47.60 | | |
| 382.53 | 47.50 | | |
| 383.87 | 47.30 | | |

| | | | |
|--------|-------|--|--|
| 384.43 | 47.20 | | |
| 386.75 | 47.10 | | |
| 389.33 | 47.10 | | |
| 406.67 | 45.70 | | |
| 412.08 | 45.50 | | |
| 431.07 | 44.10 | | |
| 436.15 | 43.90 | | |
| 451.50 | 42.90 | | |
| 455.15 | 42.60 | | |
| 457.32 | 42.50 | | |
| 459.17 | 42.40 | | |
| 460.23 | 42.35 | | |
| 475.45 | 41.40 | | |
| 479.67 | 41.10 | | |
| 482.18 | 41.00 | | |
| 482.83 | 40.90 | | |
| 499.65 | 39.90 | | |
| 506.63 | 39.40 | | |
| 523.45 | 38.30 | | |
| 530.43 | 37.90 | | |

| T13H001C | | | |
|--------------------|-----------|------------------------------|---------------------|
| Surface water head | | Drainage solute observations | |
| Time (hrs) | Head (cm) | Time (hrs) | Solute conc. (g/cc) |
| 0.00 | 50.00 | 0.06 | 0.123 |
| 0.02 | 49.00 | 0.32 | 0.073 |
| 0.07 | 47.00 | 0.48 | 0.058 |
| 0.15 | 44.50 | 0.65 | 0.046 |
| 0.27 | 41.00 | 0.82 | 0.036 |
| 0.38 | 37.00 | 0.98 | 0.027 |
| 0.55 | 33.40 | 1.15 | 0.022 |
| 0.72 | 29.60 | 1.32 | 0.019 |
| 0.77 | 50.20 | 1.48 | 0.018 |
| 0.95 | 44.50 | 1.65 | 0.017 |
| 1.18 | 37.70 | 1.82 | 0.017 |
| 1.40 | 32.30 | 1.98 | 0.015 |
| 1.90 | 21.30 | 2.15 | 0.014 |
| 2.30 | 13.80 | 2.32 | 0.013 |
| 2.77 | 6.00 | 2.48 | 0.012 |
| | | 2.65 | 0.011 |
| | | 2.77 | 0.011 |

| T13H006A | | | |
|--------------------|-----------|------------------------------|---------------------|
| Surface water head | | Drainage solute observations | |
| Time (hrs) | Head (cm) | Time (hrs) | Solute conc. (g/cc) |
| 0.00 | 50.00 | 0.05 | 0.103 |
| 0.07 | 45.40 | 0.07 | 0.092 |
| 0.23 | 31.80 | 0.08 | 0.079 |
| 0.25 | 51.00 | 0.10 | 0.065 |
| 0.35 | 41.80 | 0.12 | 0.050 |
| 0.43 | 30.90 | 0.13 | 0.037 |
| 0.53 | 24.90 | 0.15 | 0.028 |
| 0.70 | 12.90 | 0.17 | 0.022 |
| | | 0.18 | 0.018 |
| | | 0.20 | 0.016 |
| | | 0.22 | 0.016 |
| | | 0.23 | 0.016 |
| | | 0.25 | 0.016 |
| | | 0.27 | 0.016 |
| | | 0.28 | 0.015 |
| | | 0.30 | 0.015 |
| | | 0.32 | 0.013 |
| | | 0.33 | 0.011 |
| | | 0.35 | 0.010 |
| | | 0.37 | 0.008 |
| | | 0.38 | 0.007 |
| | | 0.40 | 0.007 |
| | | 0.42 | 0.006 |
| | | 0.43 | 0.006 |
| | | 0.45 | 0.006 |
| | | 0.47 | 0.006 |
| | | 0.48 | 0.005 |
| | | 0.50 | 0.005 |
| | | 0.52 | 0.005 |
| | | 0.53 | 0.005 |
| | | 0.55 | 0.005 |
| | | 0.57 | 0.005 |
| | | 0.58 | 0.005 |
| | | 0.60 | 0.004 |
| | | 0.62 | 0.004 |
| | | 0.63 | 0.004 |
| | | 0.65 | 0.004 |
| | | 0.67 | 0.004 |
| | | 0.68 | 0.004 |
| | | 0.70 | 0.004 |

| T13H006B | | | |
|--------------------|-----------|------------------------------|---------------------|
| Surface water head | | Drainage solute observations | |
| Time (hrs) | Head (cm) | Time (hrs) | Solute conc. (g/cc) |
| 0.00 | 50.00 | 0.40 | 0.189 |
| 0.10 | 48.40 | 0.70 | 0.176 |
| 0.20 | 47.80 | 1.00 | 0.133 |
| 0.40 | 45.30 | 1.30 | 0.100 |
| 0.50 | 44.80 | 1.60 | 0.078 |
| 0.70 | 42.20 | 1.90 | 0.064 |
| 2.30 | 31.30 | 2.20 | 0.054 |
| 2.90 | 28.30 | 2.50 | 0.051 |
| 3.30 | 44.20 | 2.80 | 0.047 |
| 3.60 | 40.30 | 3.10 | 0.040 |
| 4.30 | 35.20 | 3.40 | 0.036 |
| 4.50 | 33.50 | 3.70 | 0.031 |
| 5.40 | 28.60 | 4.00 | 0.028 |
| | | 4.30 | 0.026 |
| | | 4.60 | 0.023 |
| | | 4.90 | 0.023 |
| | | 5.20 | 0.025 |
| | | 5.40 | 0.024 |

2. Soil water release and hydraulic characteristics

| CTH001 5-15cm | | | |
|-------------------------|--------------------|----------------------------|----------------------|
| Core base pressure head | | Drainage flux observations | |
| Time (hours) | Pressure head (cm) | Time (hours) | Cumulative Flux (cm) |
| | | | |
| 0.1 | -98.06 | 0.10 | -0.038 |
| 0.2 | -97.55 | 0.20 | -0.047 |
| 0.3 | -96.85 | 0.30 | -0.058 |
| 0.5 | -95.90 | 0.50 | -0.071 |
| 1.0 | -94.77 | 1.00 | -0.095 |
| 1.5 | -93.85 | 1.50 | -0.107 |
| 2.0 | -93.55 | 2.00 | -0.116 |
| 3.0 | -92.91 | 3.00 | -0.125 |
| 4.0 | -92.48 | 4.00 | -0.131 |
| 5.0 | -92.13 | 5.00 | -0.134 |
| 7.0 | -93.56 | 7.00 | -0.137 |
| 9.0 | -95.32 | 9.00 | -0.140 |
| 11.0 | -96.55 | 11.00 | -0.142 |
| 13.0 | -95.98 | 13.00 | -0.144 |
| 15.0 | -95.56 | 15.00 | -0.145 |
| 19.0 | -96.69 | 19.00 | -0.146 |
| 23.0 | -94.25 | 23.00 | -0.148 |
| 24.0 | -200.49 | 24.00 | -0.172 |
| 24.5 | -199.58 | 24.50 | -0.186 |
| 25.0 | -198.90 | 25.00 | -0.195 |
| 26.0 | -197.58 | 26.00 | -0.214 |
| 27.0 | -196.50 | 27.00 | -0.230 |
| 30.0 | -193.90 | 30.00 | -0.261 |
| 33.0 | -195.41 | 33.00 | -0.282 |
| 36.0 | -193.64 | 36.00 | -0.302 |
| 39.0 | -195.36 | 39.00 | -0.312 |
| 42.0 | -196.88 | 42.00 | -0.323 |
| 45.0 | -195.60 | 45.00 | -0.330 |
| 48.0 | -192.31 | 48.00 | -0.335 |
| 54.0 | -191.32 | 54.00 | -0.344 |
| 60.0 | -191.08 | 60.00 | -0.347 |
| 66.0 | -192.41 | 66.00 | -0.352 |
| 69.0 | -190.99 | 69.00 | -0.356 |
| 70.0 | -801.72 | 70.00 | -0.370 |
| 71.0 | -803.51 | 71.00 | -0.376 |
| 72.0 | -806.21 | 72.00 | -0.381 |
| 73.0 | -808.26 | 73.00 | -0.384 |
| 75.0 | -805.37 | 75.00 | -0.393 |
| 77.0 | -810.41 | 77.00 | -0.402 |

| | | | |
|-------|---------|--------|--------|
| 79.0 | -810.96 | 79.00 | -0.408 |
| 81.0 | -807.69 | 81.00 | -0.416 |
| 83.0 | -806.54 | 83.00 | -0.421 |
| 85.0 | -802.24 | 85.00 | -0.432 |
| 87.0 | -800.93 | 87.00 | -0.439 |
| 89.0 | -799.22 | 89.00 | -0.446 |
| 92.0 | -795.85 | 92.00 | -0.455 |
| 95.0 | -794.47 | 95.00 | -0.464 |
| 98.0 | -793.88 | 98.00 | -0.472 |
| 101.0 | -789.93 | 101.00 | -0.476 |
| 104.0 | -788.76 | 104.00 | -0.485 |
| 107.0 | -801.72 | 107.00 | -0.487 |
| 110.0 | -800.53 | 110.00 | -0.495 |
| 113.0 | -813.71 | 113.00 | -0.500 |
| 116.0 | -808.52 | 116.00 | -0.512 |
| 119.0 | -794.13 | 119.00 | -0.519 |
| 122.0 | -793.65 | 122.00 | -0.524 |
| 123.0 | -792.86 | 123.00 | -0.525 |

| CTH001 30-40cm | | | |
|-------------------------|--------------------|----------------------------|----------------------|
| Core base pressure head | | Drainage flux observations | |
| Time (hours) | Pressure head (cm) | Time (hours) | Cumulative Flux (cm) |
| 0.1 | -105.25 | 0.10 | -0.002 |
| 0.2 | -105.39 | 0.20 | -0.002 |
| 0.3 | -105.14 | 0.30 | -0.005 |
| 0.5 | -105.46 | 0.50 | -0.003 |
| 1.0 | -105.06 | 1.00 | -0.011 |
| 1.5 | -104.65 | 1.50 | -0.016 |
| 2.0 | -104.55 | 2.00 | -0.022 |
| 3.0 | -104.17 | 3.00 | -0.028 |
| 4.0 | -103.80 | 4.00 | -0.035 |
| 5.0 | -103.42 | 5.00 | -0.040 |
| 7.0 | -103.65 | 7.00 | -0.045 |
| 9.0 | -103.99 | 9.00 | -0.057 |
| 11.0 | -104.58 | 11.00 | -0.061 |
| 13.0 | -104.25 | 13.00 | -0.066 |
| 15.0 | -103.98 | 15.00 | -0.070 |
| 18.0 | -103.94 | 18.00 | -0.072 |
| 22.0 | -103.14 | 22.00 | -0.081 |
| 23.6 | -102.83 | 23.50 | -0.083 |
| 23.7 | -206.02 | 23.60 | -0.083 |
| 25.0 | -205.50 | 23.80 | -0.088 |
| 26.0 | -205.19 | 25.00 | -0.093 |
| 27.0 | -204.95 | 27.00 | -0.101 |
| 30.0 | -204.20 | 30.00 | -0.112 |

| | | | |
|-------|---------|--------|--------|
| 33.0 | -203.30 | 33.00 | -0.122 |
| 36.0 | -203.06 | 36.00 | -0.133 |
| 39.0 | -202.82 | 39.00 | -0.141 |
| 42.0 | -202.69 | 42.00 | -0.150 |
| 45.0 | -202.46 | 45.00 | -0.157 |
| 48.0 | -200.78 | 48.00 | -0.162 |
| 54.0 | -199.93 | 54.00 | -0.178 |
| 60.0 | -199.04 | 60.00 | -0.189 |
| 66.0 | -198.71 | 66.00 | -0.201 |
| 69.0 | -198.56 | 69.00 | -0.208 |
| 70.0 | -808.85 | 70.00 | -0.211 |
| 71.0 | -808.56 | 71.00 | -0.214 |
| 72.0 | -808.51 | 72.00 | -0.219 |
| 73.0 | -808.91 | 73.00 | -0.222 |
| 75.0 | -803.93 | 75.00 | -0.228 |
| 77.0 | -805.54 | 77.00 | -0.237 |
| 79.0 | -804.98 | 79.00 | -0.243 |
| 81.0 | -805.59 | 81.00 | -0.251 |
| 83.0 | -797.05 | 83.00 | -0.258 |
| 85.0 | -799.71 | 85.00 | -0.265 |
| 87.0 | -798.97 | 87.00 | -0.272 |
| 89.0 | -797.82 | 89.00 | -0.278 |
| 92.0 | -797.73 | 92.00 | -0.288 |
| 95.0 | -800.31 | 95.00 | -0.296 |
| 98.0 | -801.30 | 98.00 | -0.306 |
| 101.0 | -791.91 | 101.00 | -0.313 |
| 104.0 | -794.47 | 104.00 | -0.323 |
| 107.0 | -799.15 | 107.00 | -0.331 |
| 110.0 | -787.83 | 110.00 | -0.342 |
| 113.0 | -800.29 | 113.00 | -0.350 |
| 116.0 | -807.53 | 116.00 | -0.358 |
| 119.0 | -796.35 | 119.00 | -0.368 |
| 122.0 | -795.91 | 122.00 | -0.376 |
| 123.0 | -795.46 | 123.00 | -0.379 |

| CTH002 30-40cm | | | |
|-------------------------|--------------------|----------------------------|----------------------|
| Core base pressure head | | Drainage flux observations | |
| Time (hours) | Pressure head (cm) | Time (hours) | Cumulative Flux (cm) |
| 0.05 | -87.62 | 0.05 | -0.026 |
| 0.1 | -81.41 | 0.10 | -0.135 |
| 0.3 | -85.62 | 0.30 | -0.244 |
| 0.5 | -83.93 | 0.50 | -0.275 |
| 1 | -82.21 | 1.00 | -0.306 |
| 2 | -81.22 | 2.00 | -0.322 |
| 3.5 | -81.39 | 3.50 | -0.326 |

| | | | |
|-----|---------|--------|--------|
| 5 | -98.97 | 5.00 | -0.337 |
| 7 | -100.69 | 7.00 | -0.344 |
| 9 | -102.92 | 9.00 | -0.347 |
| 11 | -103.75 | 11.00 | -0.347 |
| 14 | -105.73 | 14.00 | -0.351 |
| 18 | -97.10 | 18.00 | -0.354 |
| 21 | -95.82 | 21.00 | -0.355 |
| 23 | -95.22 | 23.00 | -0.353 |
| 24 | -94.91 | 24.00 | -0.355 |
| 25 | -201.88 | 25.00 | -0.386 |
| 26 | -200.76 | 26.00 | -0.405 |
| 28 | -200.05 | 28.00 | -0.423 |
| 30 | -200.20 | 30.00 | -0.433 |
| 32 | -203.39 | 32.00 | -0.440 |
| 35 | -204.46 | 35.00 | -0.449 |
| 40 | -204.97 | 40.00 | -0.459 |
| 45 | -198.38 | 45.00 | -0.466 |
| 50 | -194.10 | 50.00 | -0.467 |
| 55 | -200.47 | 55.00 | -0.467 |
| 60 | -205.26 | 60.00 | -0.468 |
| 65 | -206.95 | 65.00 | -0.471 |
| 70 | -200.33 | 70.00 | -0.478 |
| 72 | -198.91 | 72.00 | -0.479 |
| 73 | -802.72 | 73.00 | -0.493 |
| 74 | -806.34 | 74.00 | -0.498 |
| 76 | -808.46 | 76.00 | -0.505 |
| 78 | -803.40 | 78.00 | -0.518 |
| 80 | -821.36 | 80.00 | -0.527 |
| 85 | -821.46 | 85.00 | -0.550 |
| 90 | -12.52 | 90.00 | -0.567 |
| 95 | -866.47 | 95.00 | -0.582 |
| 100 | -811.31 | 100.00 | -0.604 |
| 105 | -822.60 | 105.00 | -0.623 |
| 110 | -825.89 | 110.00 | -0.634 |
| 115 | -814.55 | 115.00 | -0.639 |
| 120 | -808.85 | 120.00 | -0.645 |
| 125 | -798.88 | 125.00 | -0.657 |
| 130 | -814.92 | 130.00 | -0.672 |
| 135 | -818.79 | 135.00 | -0.683 |
| 140 | -798.06 | 140.00 | -0.692 |
| 145 | -792.08 | 145.00 | -0.699 |
| 150 | -790.72 | 150.00 | -0.704 |
| 155 | -799.82 | 155.00 | -0.718 |
| 160 | -805.61 | 160.00 | -0.726 |
| 164 | -790.96 | 164.00 | -0.729 |
| 167 | -794.77 | 167.00 | -0.381 |

| | | | |
|-----|---------|--------|--------|
| 170 | -794.77 | 170.00 | -0.381 |
| 173 | -794.77 | 173.00 | -0.381 |
| 176 | -794.77 | 176.00 | -0.381 |
| 123 | -795.46 | 123.00 | -0.379 |

| CTH003 5-15cm | | | |
|-------------------------|--------------------|----------------------------|----------------------|
| Core base pressure head | | Drainage flux observations | |
| Time (hours) | Pressure head (cm) | Time (hours) | Cumulative Flux (cm) |
| 0.01 | -90.74 | 0.05 | -0.016 |
| 0.12 | -126.13 | 0.12 | -0.047 |
| 0.30 | -86.83 | 0.30 | -0.076 |
| 0.50 | -84.93 | 0.40 | -0.103 |
| 1.00 | -94.18 | 0.50 | -0.120 |
| 1.50 | -92.78 | 0.80 | -0.160 |
| 2.20 | -92.09 | 1.00 | -0.180 |
| 2.30 | -83.94 | 1.20 | -0.194 |
| 4.00 | -87.78 | 1.50 | -0.212 |
| 5.00 | -87.58 | 2.00 | -0.228 |
| 7.00 | -98.27 | 3.00 | -0.236 |
| 9.00 | -99.69 | 4.00 | -0.239 |
| 11.00 | -100.16 | 5.00 | -0.241 |
| 13.00 | -99.37 | 7.00 | -0.255 |
| 15.00 | -101.34 | 10.00 | -0.257 |
| 18.00 | -97.27 | 15.00 | -0.263 |
| 22.00 | -77.94 | 20.00 | -0.257 |
| 24.00 | -77.46 | 25.00 | -0.255 |
| 24.50 | -77.34 | 30.00 | -0.257 |
| 25.00 | -77.24 | 35.00 | -0.264 |
| 26.00 | -76.86 | 40.00 | -0.265 |
| 27.00 | -77.57 | 42.00 | -0.259 |
| 30.00 | -82.47 | 42.50 | -0.260 |
| 33.00 | -85.72 | 42.90 | -0.270 |
| 36.00 | -86.89 | 43.00 | -0.271 |
| 39.00 | -86.15 | 44.00 | -0.290 |
| 42.25 | -80.97 | 45.00 | -0.300 |
| 45.00 | -175.17 | 47.00 | -0.310 |
| 48.00 | -192.62 | 48.00 | -0.318 |
| 54.00 | -196.68 | 54.00 | -0.338 |
| 60.00 | -201.97 | 58.00 | -0.348 |
| 66.00 | -198.72 | 60.00 | -0.352 |
| 69.00 | -193.60 | 65.00 | -0.358 |
| 70.00 | -193.36 | 70.00 | -0.360 |
| 71.00 | -193.02 | 75.00 | -0.361 |
| 72.00 | -192.58 | 80.00 | -0.361 |
| 73.00 | -191.43 | 85.00 | -0.361 |

| | | | |
|--------|---------|--------|--------|
| 75.00 | -192.02 | 90.00 | -0.364 |
| 77.00 | -193.14 | 91.00 | -0.365 |
| 79.00 | -193.85 | 91.20 | -0.392 |
| 81.00 | -194.94 | 91.50 | -0.396 |
| 83.00 | -196.40 | 91.80 | -0.401 |
| 85.00 | -198.57 | 92.00 | -0.404 |
| 87.00 | -198.54 | 93.00 | -0.415 |
| 89.00 | -196.38 | 95.00 | -0.433 |
| 92.00 | -796.93 | 100.00 | -0.462 |
| 95.00 | -788.56 | 105.00 | -0.488 |
| 98.00 | -784.36 | 110.00 | -0.507 |
| 101.00 | -781.21 | 115.00 | -0.523 |
| 104.00 | -797.13 | 120.00 | -0.535 |
| 107.00 | -797.05 | 125.00 | -0.543 |
| 110.00 | -793.29 | 130.00 | -0.552 |
| 113.00 | -786.38 | 136.50 | -0.576 |
| 116.00 | -777.77 | 140.57 | -0.581 |
| 119.00 | -778.44 | 143.23 | -0.586 |
| 122.00 | -787.02 | 148.55 | -0.596 |
| 125.00 | -787.84 | 160.72 | -0.615 |
| 128.00 | -802.17 | 165.35 | -0.622 |
| 131.00 | -800.37 | 167.75 | -0.625 |
| 134.00 | -796.65 | 184.52 | -0.646 |
| 137.00 | -792.77 | 190.00 | -0.644 |
| 140.00 | -793.50 | 195.00 | -0.650 |
| 143.00 | -779.56 | 200.00 | -0.655 |
| 146.00 | -773.83 | 205.00 | -0.662 |
| 149.00 | -778.55 | 210.00 | -0.669 |
| 152.00 | -785.88 | 215.00 | -0.677 |

| CTH003 30-40cm | | | |
|-------------------------|--------------------|----------------------------|----------------------|
| Core base pressure head | | Drainage flux observations | |
| Time (hours) | Pressure head (cm) | Time (hours) | Cumulative Flux (cm) |
| 0.0 | -92.37 | 0.02 | -0.023 |
| 0.3 | -88.05 | 0.20 | -0.060 |
| 0.3 | -88.05 | 0.30 | -0.083 |
| 0.5 | -87.38 | 0.50 | -0.109 |
| 1.0 | -98.14 | 1.00 | -0.144 |
| 1.5 | -97.44 | 1.50 | -0.166 |
| 2.2 | -96.55 | 2.20 | -0.189 |
| 2.3 | -88.40 | 2.30 | -0.190 |
| 4.0 | -91.10 | 4.00 | -0.213 |
| 5.0 | -90.83 | 5.00 | -0.218 |
| 7.0 | -101.73 | 7.00 | -0.230 |
| 9.0 | -103.16 | 9.00 | -0.231 |

| | | | |
|-------|---------|--------|--------|
| 11.0 | -103.64 | 11.00 | -0.233 |
| 13.0 | -102.78 | 13.00 | -0.236 |
| 15.0 | -105.03 | 15.00 | -0.238 |
| 18.0 | -99.60 | 18.00 | -0.252 |
| 22.0 | -79.95 | 22.00 | -0.253 |
| 23.0 | -79.63 | 24.00 | -0.257 |
| 24.0 | -79.16 | 24.50 | -0.257 |
| 25.0 | -78.76 | 25.00 | -0.260 |
| 26.0 | -78.28 | 26.00 | -0.259 |
| 27.0 | -80.08 | 27.00 | -0.245 |
| 30.0 | -85.46 | 30.00 | -0.238 |
| 33.0 | -89.18 | 33.00 | -0.237 |
| 36.0 | -90.14 | 36.00 | -0.241 |
| 41.0 | -82.82 | 41.00 | -0.249 |
| 43.0 | -180.30 | 42.00 | -0.250 |
| 45.0 | -178.22 | 43.00 | -0.260 |
| 48.0 | -193.43 | 44.00 | -0.271 |
| 54.0 | -198.09 | 45.00 | -0.280 |
| 60.0 | -203.59 | 47.00 | -0.291 |
| 66.0 | -200.04 | 50.00 | -0.307 |
| 69.0 | -194.50 | 55.00 | -0.309 |
| 70.0 | -194.16 | 65.00 | -0.325 |
| 71.0 | -193.62 | 70.00 | -0.336 |
| 72.0 | -193.27 | 75.00 | -0.336 |
| 73.0 | -191.83 | 80.00 | -0.332 |
| 75.0 | -192.91 | 85.00 | -0.333 |
| 77.0 | -194.13 | 90.00 | -0.339 |
| 79.0 | -195.05 | 91.00 | -0.342 |
| 81.0 | -196.13 | 92.00 | -0.381 |
| 83.0 | -197.49 | 94.00 | -0.395 |
| 85.0 | -199.66 | 96.00 | -0.410 |
| 87.0 | -199.54 | 98.00 | -0.424 |
| 91.0 | -195.14 | 100.00 | -0.429 |
| 92.0 | -797.74 | 105.00 | -0.455 |
| 95.0 | -789.88 | 110.00 | -0.473 |
| 98.0 | -785.47 | 115.00 | -0.496 |
| 101.0 | -782.70 | 120.00 | -0.512 |
| 104.0 | -798.61 | 125.00 | -0.517 |
| 107.0 | -798.64 | 130.00 | -0.528 |
| 110.0 | -794.87 | 135.00 | -0.542 |
| 113.0 | -787.49 | 140.00 | -0.554 |
| 116.0 | -778.87 | 145.00 | -0.563 |
| 119.0 | -779.44 | 150.00 | -0.564 |
| 122.0 | -788.03 | 155.00 | -0.574 |
| 125.0 | -788.90 | 160.00 | -0.581 |
| 128.0 | -803.03 | 165.00 | -0.589 |

| | | | |
|-------|---------|--------|--------|
| 131.0 | -801.32 | 170.00 | -0.593 |
| 134.0 | -797.49 | 175.00 | -0.598 |
| 137.0 | -793.25 | 180.00 | -0.608 |
| 140.0 | -793.89 | 185.00 | -0.621 |
| 143.0 | -779.73 | 190.00 | -0.625 |
| 146.0 | -774.12 | 195.00 | -0.625 |
| 149.0 | -778.58 | 200.00 | -0.627 |
| 152.0 | -786.11 | 205.00 | -0.634 |
| 155.0 | -787.06 | 210.00 | -0.648 |
| 158.0 | -791.37 | 213.00 | -0.651 |

| CTH004 30-40cm | | | |
|-------------------------|--------------------|----------------------------|----------------------|
| Core base pressure head | | Drainage flux observations | |
| Time (hours) | Pressure head (cm) | Time (hours) | Cumulative Flux (cm) |
| 0.05 | -84.65 | 0.05 | -0.099 |
| 0.10 | -81.41 | 0.10 | -0.157 |
| 0.20 | -89.36 | 0.20 | -0.204 |
| 0.40 | -86.67 | 0.40 | -0.254 |
| 0.60 | -85.30 | 0.60 | -0.282 |
| 0.80 | -83.66 | 0.80 | -0.305 |
| 1.00 | -82.57 | 1.00 | -0.324 |
| 2.00 | -80.18 | 2.00 | -0.363 |
| 3.00 | -101.14 | 3.00 | -0.381 |
| 4.00 | -100.77 | 4.00 | -0.398 |
| 5.00 | -100.47 | 5.00 | -0.407 |
| 7.00 | -102.28 | 7.00 | -0.413 |
| 9.00 | -104.39 | 9.00 | -0.417 |
| 11.00 | -104.81 | 11.00 | -0.424 |
| 14.00 | -106.49 | 14.00 | -0.432 |
| 18.00 | -97.69 | 18.00 | -0.441 |
| 22.00 | -95.53 | 22.00 | -0.449 |
| 24.00 | -94.99 | 24.00 | -0.449 |
| 24.20 | -203.89 | 24.20 | -0.456 |
| 24.30 | -204.00 | 24.30 | -0.461 |
| 24.50 | -203.63 | 24.50 | -0.467 |
| 25.00 | -202.45 | 25.00 | -0.481 |
| 26.00 | -201.34 | 26.00 | -0.499 |
| 27.00 | -200.98 | 27.00 | -0.514 |
| 28.00 | -200.03 | 28.00 | -0.528 |
| 30.00 | -200.00 | 30.00 | -0.544 |
| 32.00 | -202.37 | 32.00 | -0.561 |
| 35.00 | -202.67 | 35.00 | -0.584 |
| 40.00 | -202.37 | 40.00 | -0.605 |
| 45.00 | -194.94 | 45.00 | -0.626 |
| 50.00 | -190.74 | 50.00 | -0.630 |

| | | | |
|--------|---------|--------|--------|
| 55.00 | -196.75 | 55.00 | -0.635 |
| 60.00 | -201.18 | 60.00 | -0.642 |
| 65.00 | -202.94 | 65.00 | -0.646 |
| 70.00 | -196.07 | 70.00 | -0.655 |
| 72.00 | -194.73 | 72.00 | -0.654 |
| 72.50 | -805.33 | 72.50 | -0.666 |
| 73.00 | -802.88 | 73.00 | -0.676 |
| 74.00 | -806.42 | 74.00 | -0.689 |
| 75.00 | -807.01 | 75.00 | -0.698 |
| 76.00 | -807.75 | 76.00 | -0.707 |
| 78.00 | -802.49 | 78.00 | -0.721 |
| 80.00 | -820.13 | 80.00 | -0.741 |
| 82.00 | -821.79 | 82.00 | -0.757 |
| 85.00 | -818.70 | 85.00 | -0.787 |
| 96.07 | -793.25 | 96.07 | -0.836 |
| 110.23 | -812.37 | 110.23 | -0.872 |
| 113.07 | -794.96 | 113.07 | -0.877 |
| 113.80 | -793.51 | 113.80 | -0.878 |
| 115.07 | -792.18 | 115.07 | -0.878 |
| 115.13 | -792.18 | 115.13 | -0.878 |
| 116.52 | -790.50 | 116.52 | -0.880 |
| 117.02 | -789.32 | 117.02 | -0.880 |
| 118.87 | -789.30 | 118.87 | -0.883 |
| 119.72 | -787.98 | 119.72 | -0.883 |
| 121.63 | -789.06 | 121.63 | -0.885 |
| 134.22 | -799.26 | 134.22 | -0.899 |
| 135.65 | -791.65 | 135.65 | -0.900 |
| 136.55 | -790.06 | 136.55 | -0.902 |
| 139.85 | -789.46 | 139.85 | -0.907 |

| CTH005 30-40cm | | | |
|-------------------------|--------------------|----------------------------|----------------------|
| Core base pressure head | | Drainage flux observations | |
| Time (hours) | Pressure head (cm) | Time (hours) | Cumulative Flux (cm) |
| 0.01 | -96.25 | 0.05 | -0.019 |
| 0.10 | -94.91 | 0.10 | -0.024 |
| 0.20 | -94.34 | 0.20 | -0.037 |
| 0.30 | -93.94 | 0.40 | -0.051 |
| 0.40 | -93.34 | 0.60 | -0.059 |
| 0.50 | -93.21 | 1.00 | -0.069 |
| 0.60 | -92.94 | 1.50 | -0.073 |
| 1.10 | -92.19 | 3.00 | -0.080 |
| 1.60 | -91.78 | 5.00 | -0.090 |
| 2.10 | -92.89 | 8.00 | -0.094 |
| 2.60 | -93.76 | 12.00 | -0.105 |
| 3.10 | -94.43 | 16.00 | -0.110 |

| | | | |
|-------|---------|--------|--------|
| 4.10 | -95.68 | 20.00 | -0.113 |
| 5.10 | -96.36 | 24.00 | -0.110 |
| 6.10 | -97.01 | 28.00 | -0.108 |
| 7.10 | -97.29 | 32.00 | -0.111 |
| 8.10 | -98.05 | 36.00 | -0.111 |
| 10.10 | -99.64 | 38.00 | -0.112 |
| 12.10 | -100.27 | 39.00 | -0.122 |
| 14.10 | -94.19 | 39.50 | -0.135 |
| 16.10 | -91.54 | 40.00 | -0.142 |
| 18.10 | -90.71 | 41.00 | -0.151 |
| 22.10 | -88.89 | 42.00 | -0.159 |
| 26.10 | -94.62 | 43.00 | -0.165 |
| 30.10 | -98.37 | 45.00 | -0.172 |
| 34.10 | -99.06 | 47.00 | -0.178 |
| 38.90 | -96.00 | 53.00 | -0.180 |
| 39.00 | -132.62 | 57.00 | -0.185 |
| 39.29 | -198.03 | 60.00 | -0.185 |
| 39.39 | -197.28 | 64.00 | -0.191 |
| 39.49 | -197.01 | 70.00 | -0.202 |
| 39.59 | -196.64 | 74.00 | -0.197 |
| 40.09 | -195.05 | 78.00 | -0.196 |
| 40.59 | -194.34 | 82.00 | -0.203 |
| 41.09 | -193.59 | 84.00 | -0.199 |
| 41.59 | -192.88 | 86.40 | -0.203 |
| 42.09 | -192.34 | 87.00 | -0.208 |
| 43.09 | -191.54 | 87.50 | -0.217 |
| 44.09 | -190.32 | 88.00 | -0.223 |
| 45.09 | -193.19 | 89.00 | -0.231 |
| 46.09 | -193.48 | 90.00 | -0.239 |
| 47.09 | -193.64 | 92.00 | -0.252 |
| 49.09 | -196.42 | 94.00 | -0.265 |
| 51.09 | -198.91 | 96.00 | -0.273 |
| 53.09 | -200.98 | 98.00 | -0.283 |
| 55.09 | -200.80 | 100.00 | -0.289 |
| 57.09 | -201.46 | 102.00 | -0.297 |
| 61.09 | -197.57 | 104.00 | -0.307 |
| 65.09 | -193.77 | 106.00 | -0.313 |
| 68.04 | -198.00 | 108.00 | -0.318 |
| 68.14 | -197.76 | 110.00 | -0.329 |
| 68.24 | -197.34 | 112.00 | -0.334 |
| 68.34 | -197.14 | 114.00 | -0.340 |
| 68.44 | -197.15 | 116.00 | -0.346 |
| 68.54 | -197.18 | 118.00 | -0.350 |
| 69.04 | -196.62 | 120.00 | -0.354 |
| 69.54 | -196.52 | 122.00 | -0.357 |
| 70.04 | -195.87 | 133.00 | -0.391 |

| | | | |
|--------|---------|--------|--------|
| 70.54 | -196.17 | 136.00 | -0.396 |
| 71.04 | -196.41 | 140.00 | -0.403 |
| 72.04 | -197.39 | 144.00 | -0.406 |
| 73.04 | -198.54 | 150.00 | -0.410 |
| 74.04 | -199.12 | 155.00 | -0.421 |
| 75.04 | -199.77 | 160.00 | -0.437 |
| 76.04 | -201.34 | 165.50 | -0.438 |
| 78.04 | -202.13 | 181.87 | -0.455 |
| 80.04 | -201.68 | 184.95 | -0.457 |
| 82.04 | -199.67 | 187.02 | -0.460 |
| 84.04 | -201.07 | | |
| 86.80 | -199.36 | | |
| 87.90 | -802.96 | | |
| 94.04 | -811.54 | | |
| 98.04 | -815.71 | | |
| 102.04 | -817.85 | | |
| 106.04 | -817.80 | | |
| 112.04 | -810.63 | | |
| 118.04 | -807.64 | | |
| 124.04 | -809.81 | | |
| 130.04 | -809.81 | | |
| 136.04 | -802.99 | | |
| 142.04 | -793.70 | | |
| 148.04 | -810.44 | | |
| 154.04 | -816.60 | | |
| 160.04 | -796.34 | | |
| 187.00 | -794.82 | | |

| CTH006 5-15cm | | | |
|-------------------------|--------------------|----------------------------|----------------------|
| Core base pressure head | | Drainage flux observations | |
| Time (hours) | Pressure head (cm) | Time (hours) | Cumulative Flux (cm) |
| 0.01 | -90.70 | 0.05 | -0.011 |
| 0.10 | -89.20 | 0.10 | -0.022 |
| 0.20 | -88.46 | 0.20 | -0.038 |
| 0.30 | -87.88 | 0.30 | -0.050 |
| 0.40 | -87.30 | 0.40 | -0.059 |
| 0.50 | -86.99 | 0.60 | -0.072 |
| 0.60 | -86.59 | 0.80 | -0.080 |
| 1.10 | -85.78 | 1.10 | -0.091 |
| 1.60 | -85.03 | 1.60 | -0.104 |
| 2.10 | -84.08 | 2.10 | -0.117 |
| 2.60 | -83.95 | 2.60 | -0.125 |
| 3.10 | -83.49 | 3.10 | -0.131 |
| 4.10 | -82.77 | 4.10 | -0.140 |
| 5.10 | -83.50 | 5.10 | -0.147 |

| | | | |
|-------|---------|-------|--------|
| 6.10 | -85.69 | 6.10 | -0.149 |
| 7.10 | -87.57 | 7.10 | -0.154 |
| 8.10 | -88.87 | 8.10 | -0.158 |
| 10.10 | -90.14 | 10.10 | -0.167 |
| 12.10 | -91.38 | 12.10 | -0.171 |
| 14.10 | -90.63 | 14.10 | -0.175 |
| 16.10 | -89.45 | 16.10 | -0.179 |
| 18.10 | -89.20 | 18.10 | -0.180 |
| 22.10 | -84.35 | 22.00 | -0.182 |
| 24.46 | -95.29 | 24.20 | -0.180 |
| 24.56 | -192.16 | 24.50 | -0.189 |
| 24.66 | -191.85 | 24.80 | -0.203 |
| 24.76 | -191.55 | 25.00 | -0.208 |
| 24.86 | -191.38 | 25.50 | -0.216 |
| 24.96 | -191.24 | 26.00 | -0.222 |
| 25.46 | -190.36 | 27.00 | -0.232 |
| 25.96 | -189.76 | 28.00 | -0.237 |
| 26.46 | -189.48 | 29.00 | -0.241 |
| 26.96 | -188.91 | 30.00 | -0.243 |
| 27.46 | -188.81 | 32.00 | -0.248 |
| 28.46 | -187.96 | 34.00 | -0.252 |
| 29.46 | -187.52 | 36.00 | -0.253 |
| 30.46 | -193.74 | 38.00 | -0.257 |
| 31.46 | -195.73 | 40.00 | -0.255 |
| 32.46 | -195.43 | 44.00 | -0.256 |
| 34.46 | -196.60 | 48.00 | -0.265 |
| 36.46 | -196.45 | 52.00 | -0.262 |
| 38.46 | -195.84 | 55.00 | -0.261 |
| 40.46 | -197.10 | 57.00 | -0.258 |
| 42.46 | -197.65 | 60.00 | -0.257 |
| 46.46 | -191.41 | 65.00 | -0.260 |
| 50.46 | -194.05 | 68.00 | -0.264 |
| 54.46 | -194.25 | 68.50 | -0.264 |
| 58.46 | -196.44 | 69.00 | -0.276 |
| 62.46 | -199.77 | 69.10 | -0.287 |
| 68.96 | -198.98 | 69.70 | -0.302 |
| 69.06 | -690.32 | 70.00 | -0.307 |
| 69.16 | -673.21 | 71.00 | -0.322 |
| 69.26 | -823.00 | 72.00 | -0.330 |
| 69.36 | -822.69 | 73.00 | -0.339 |
| 69.46 | -823.04 | 74.00 | -0.345 |
| 69.96 | -824.12 | 75.00 | -0.352 |
| 70.46 | -823.71 | 76.00 | -0.357 |
| 70.96 | -822.72 | 78.00 | -0.364 |
| 71.46 | -822.80 | 80.00 | -0.369 |
| 71.96 | -821.72 | 82.00 | -0.371 |

| | | | |
|--------|---------|--------|--------|
| 72.96 | -820.22 | 85.00 | -0.381 |
| 73.96 | -819.04 | 88.00 | -0.390 |
| 74.96 | -817.27 | 92.00 | -0.407 |
| 75.96 | -816.36 | 94.95 | -0.415 |
| 76.96 | -814.63 | 97.47 | -0.418 |
| 78.96 | -818.81 | 100.32 | -0.420 |
| 80.96 | -824.45 | 101.52 | -0.423 |
| 82.96 | -829.16 | 115.00 | -0.423 |
| 84.96 | -831.70 | | |
| 86.96 | -835.08 | | |
| 90.96 | -840.26 | | |
| 115.00 | -850.47 | | |

| CTH006 30-40 cm | | | |
|-------------------------|--------------------|----------------------------|----------------------|
| Core base pressure head | | Drainage flux observations | |
| Time (hours) | Pressure head (cm) | Time (hours) | Cumulative Flux (cm) |
| 0.01 | -95.69 | 0.05 | -0.030 |
| 0.10 | -92.81 | 0.10 | -0.048 |
| 0.20 | -92.45 | 0.20 | -0.057 |
| 0.30 | -92.05 | 0.50 | -0.076 |
| 0.40 | -91.44 | 0.80 | -0.091 |
| 0.50 | -91.20 | 1.00 | -0.099 |
| 0.60 | -90.84 | 2.00 | -0.115 |
| 1.10 | -89.68 | 3.00 | -0.133 |
| 1.60 | -88.66 | 4.00 | -0.154 |
| 2.10 | -89.44 | 5.00 | -0.161 |
| 2.60 | -89.79 | 7.00 | -0.173 |
| 3.10 | -90.14 | 10.00 | -0.181 |
| 4.10 | -90.75 | 12.00 | -0.185 |
| 5.10 | -90.90 | 15.00 | -0.198 |
| 6.10 | -91.44 | 20.00 | -0.194 |
| 7.10 | -91.51 | 25.00 | -0.193 |
| 8.10 | -92.16 | 30.00 | -0.192 |
| 10.10 | -93.51 | 35.00 | -0.197 |
| 12.10 | -94.33 | 38.50 | -0.200 |
| 14.10 | -88.56 | 39.00 | -0.207 |
| 16.10 | -85.12 | 40.00 | -0.225 |
| 18.10 | -84.20 | 41.00 | -0.236 |
| 22.10 | -83.22 | 43.00 | -0.257 |
| 26.10 | -88.75 | 45.00 | -0.268 |
| 30.10 | -92.55 | 47.00 | -0.282 |
| 34.10 | -93.13 | 50.00 | -0.290 |
| 38.10 | -92.36 | 55.00 | -0.306 |
| 39.09 | -198.18 | 60.00 | -0.313 |
| 39.19 | -197.63 | 65.00 | -0.326 |

| | | | |
|--------|---------|--------|--------|
| 39.29 | -197.47 | 70.00 | -0.332 |
| 39.39 | -196.82 | 75.00 | -0.330 |
| 39.49 | -196.65 | 80.00 | -0.332 |
| 39.59 | -196.07 | 85.00 | -0.331 |
| 40.09 | -194.58 | 86.00 | -0.334 |
| 40.59 | -193.77 | 87.00 | -0.333 |
| 41.09 | -192.92 | 88.00 | -0.353 |
| 41.59 | -192.11 | 89.00 | -0.368 |
| 42.09 | -191.36 | 90.00 | -0.381 |
| 43.09 | -190.25 | 92.00 | -0.404 |
| 44.09 | -188.93 | 94.00 | -0.423 |
| 45.09 | -191.80 | 96.00 | -0.439 |
| 46.09 | -191.78 | 98.00 | -0.455 |
| 47.09 | -191.74 | 100.00 | -0.473 |
| 49.09 | -194.29 | 105.00 | -0.506 |
| 51.09 | -196.36 | 110.00 | -0.534 |
| 53.09 | -198.14 | 115.00 | -0.554 |
| 55.09 | -198.03 | 118.00 | -0.566 |
| 57.09 | -198.27 | 120.00 | -0.575 |
| 61.09 | -194.28 | 121.00 | -0.579 |
| 65.09 | -190.03 | 133.00 | -0.623 |
| 69.09 | -186.96 | 135.00 | -0.624 |
| 73.09 | -188.85 | 140.00 | -0.634 |
| 77.09 | -192.10 | 145.00 | -0.645 |
| 86.50 | -190.74 | 150.00 | -0.657 |
| 86.85 | -797.79 | 155.00 | -0.666 |
| 86.95 | -804.17 | 160.00 | -0.673 |
| 87.05 | -806.75 | 162.00 | -0.674 |
| 87.15 | -806.42 | | |
| 87.25 | -805.12 | | |
| 87.35 | -804.34 | | |
| 87.85 | -802.00 | | |
| 88.35 | -801.56 | | |
| 88.85 | -800.67 | | |
| 89.35 | -801.67 | | |
| 89.85 | -801.16 | | |
| 90.85 | -799.66 | | |
| 91.85 | -798.57 | | |
| 92.85 | -798.14 | | |
| 93.85 | -808.52 | | |
| 94.85 | -809.77 | | |
| 96.85 | -810.44 | | |
| 98.85 | -811.90 | | |
| 100.85 | -812.19 | | |
| 102.85 | -812.13 | | |
| 104.85 | -811.51 | | |

| | | | |
|--------|---------|--|--|
| 108.85 | -812.77 | | |
| 112.85 | -804.38 | | |
| 116.85 | -801.47 | | |
| 120.85 | -802.59 | | |
| 124.85 | -802.56 | | |
| 130.85 | -802.56 | | |
| 136.85 | -794.46 | | |
| 142.85 | -785.34 | | |
| 148.85 | -802.65 | | |
| 154.85 | -808.20 | | |
| 160.85 | -786.80 | | |
| 162.24 | -786.11 | | |

| CTH008 30-40 cm | | | |
|-------------------------|--------------------|----------------------------|----------------------|
| Core base pressure head | | Drainage flux observations | |
| Time (hours) | Pressure head (cm) | Time (hours) | Cumulative Flux (cm) |
| 0.1 | -91.67 | 0.05 | -0.070 |
| 0.1 | -90.56 | 0.10 | -0.088 |
| 0.2 | -89.28 | 0.20 | -0.113 |
| 0.3 | -88.06 | 0.30 | -0.132 |
| 0.5 | -86.41 | 0.50 | -0.158 |
| 1.0 | -83.37 | 1.00 | -0.203 |
| 1.5 | -81.83 | 1.50 | -0.229 |
| 2.0 | -96.19 | 2.00 | -0.247 |
| 3.0 | -96.70 | 3.00 | -0.269 |
| 4.0 | -98.13 | 4.00 | -0.279 |
| 5.0 | -98.64 | 5.00 | -0.286 |
| 6.0 | -98.94 | 6.00 | -0.290 |
| 7.0 | -99.22 | 7.00 | -0.291 |
| 8.0 | -99.88 | 8.00 | -0.293 |
| 9.0 | -100.39 | 9.00 | -0.295 |
| 10.0 | -101.15 | 10.00 | -0.297 |
| 15.0 | -94.76 | 15.00 | -0.307 |
| 20.0 | -92.00 | 20.00 | -0.303 |
| 25.0 | -95.47 | 25.00 | -0.294 |
| 30.0 | -101.44 | 30.00 | -0.292 |
| 35.0 | -101.89 | 35.00 | -0.295 |
| 38.0 | -101.18 | 38.00 | -0.299 |
| 39.0 | -135.41 | 39.00 | -0.307 |
| 39.5 | -196.65 | 39.50 | -0.324 |
| 40.0 | -194.89 | 40.00 | -0.333 |
| 41.0 | -193.23 | 41.00 | -0.343 |
| 42.0 | -191.74 | 42.00 | -0.356 |
| 43.0 | -190.66 | 43.00 | -0.362 |
| 44.0 | -189.54 | 44.00 | -0.365 |

| | | | |
|-------|---------|--------|--------|
| 45.0 | -192.27 | 45.00 | -0.371 |
| 50.0 | -196.42 | 50.00 | -0.377 |
| 55.0 | -199.74 | 55.00 | -0.386 |
| 60.0 | -200.88 | 60.00 | -0.385 |
| 65.0 | -192.57 | 65.00 | -0.392 |
| 70.0 | -192.61 | 70.00 | -0.392 |
| 75.0 | -192.61 | 75.00 | -0.392 |
| 80.0 | -192.61 | 80.00 | -0.392 |
| 86.0 | -192.61 | 86.00 | -0.392 |
| 87.0 | -815.79 | 87.00 | -0.386 |
| 88.0 | -810.74 | 88.00 | -0.401 |
| 89.0 | -805.01 | 89.00 | -0.491 |
| 90.0 | -804.94 | 90.00 | -0.504 |
| 92.0 | -802.73 | 92.00 | -0.527 |
| 95.0 | -814.21 | 95.00 | -0.559 |
| 100.0 | -815.80 | 100.00 | -0.603 |
| 105.0 | -816.27 | 105.00 | -0.635 |
| 110.0 | -807.58 | 110.00 | -0.668 |
| 115.0 | -807.07 | 115.00 | -0.688 |
| 120.0 | -805.92 | 120.00 | -0.708 |
| 125.0 | -806.06 | 125.00 | -0.713 |
| 130.0 | -806.06 | 130.00 | -0.713 |
| 135.0 | -799.40 | 135.00 | -0.759 |
| 140.0 | -797.06 | 140.00 | -0.768 |
| 145.0 | -798.20 | 145.00 | -0.774 |
| 150.0 | -806.44 | 150.00 | -0.790 |
| 155.0 | -812.76 | 155.00 | -0.799 |
| 160.0 | -792.21 | 160.00 | -0.807 |
| 165.0 | -790.48 | 165.00 | -0.810 |

| CTH009 20-30 cm | | | |
|-------------------------|--------------------|----------------------------|----------------------|
| Core base pressure head | | Drainage flux observations | |
| Time (hours) | Pressure head (cm) | Time (hours) | Cumulative Flux (cm) |
| 0.0 | -91.07 | 0.10 | -0.016 |
| 0.1 | -95.50 | 0.20 | -0.021 |
| 0.2 | -94.99 | 0.40 | -0.028 |
| 0.3 | -94.65 | 0.60 | -0.036 |
| 0.4 | -94.45 | 0.80 | -0.043 |
| 0.5 | -94.25 | 1.00 | -0.049 |
| 0.6 | -93.91 | 1.50 | -0.060 |
| 1.1 | -92.81 | 2.00 | -0.070 |
| 1.6 | -92.37 | 2.50 | -0.079 |
| 2.1 | -91.04 | 3.00 | -0.089 |
| 2.6 | -90.67 | 3.50 | -0.093 |
| 3.1 | -89.92 | 4.00 | -0.100 |

| | | | |
|-------|---------|--------|--------|
| 4.1 | -89.05 | 5.00 | -0.109 |
| 5.1 | -88.13 | 6.00 | -0.115 |
| 6.1 | -87.56 | 7.00 | -0.121 |
| 7.1 | -86.76 | 8.00 | -0.124 |
| 8.1 | -86.17 | 9.00 | -0.125 |
| 10.1 | -85.39 | 10.00 | -0.125 |
| 12.1 | -88.72 | 12.00 | -0.125 |
| 14.1 | -90.98 | 15.00 | -0.129 |
| 16.1 | -92.61 | 18.00 | -0.132 |
| 18.1 | -92.49 | 20.00 | -0.129 |
| 22.1 | -92.74 | 23.00 | -0.127 |
| 26.1 | -88.83 | 26.00 | -0.127 |
| 28.3 | -95.13 | 28.30 | -0.126 |
| 28.4 | -208.18 | 28.40 | -0.143 |
| 28.5 | -208.21 | 29.00 | -0.150 |
| 28.6 | -198.02 | 30.00 | -0.159 |
| 28.7 | -198.26 | 31.00 | -0.168 |
| 28.8 | -198.12 | 32.00 | -0.171 |
| 29.3 | -197.89 | 34.00 | -0.178 |
| 29.8 | -197.59 | 36.00 | -0.183 |
| 30.3 | -197.31 | 38.00 | -0.181 |
| 30.8 | -196.91 | 40.00 | -0.184 |
| 31.3 | -196.46 | 48.00 | -0.194 |
| 32.3 | -195.72 | 52.00 | -0.194 |
| 33.3 | -195.86 | 56.00 | -0.192 |
| 34.3 | -195.62 | 60.00 | -0.184 |
| 35.3 | -195.55 | 64.00 | -0.184 |
| 36.3 | -195.24 | 68.00 | -0.184 |
| 38.3 | -198.26 | 72.00 | -0.184 |
| 40.3 | -199.53 | 76.00 | -0.193 |
| 42.3 | -198.71 | 80.00 | -0.192 |
| 44.3 | -197.92 | 84.00 | -0.187 |
| 46.3 | -198.27 | 88.00 | -0.186 |
| 50.3 | -195.97 | 92.00 | -0.189 |
| 54.3 | -194.73 | 96.00 | -0.185 |
| 58.3 | -197.00 | 100.00 | -0.185 |
| 62.3 | -198.15 | 102.40 | -0.191 |
| 66.3 | -198.15 | 102.50 | -0.205 |
| 72.3 | -198.15 | 104.00 | -0.210 |
| 78.3 | -199.33 | 106.00 | -0.217 |
| 84.3 | -199.20 | 108.00 | -0.222 |
| 90.3 | -199.84 | 110.00 | -0.231 |
| 96.3 | -199.88 | 115.00 | -0.246 |
| 102.5 | -776.22 | 120.00 | -0.256 |
| 102.6 | -775.85 | 125.00 | -0.270 |
| 102.7 | -775.65 | 130.00 | -0.276 |

| | | | |
|-------|---------|--------|--------|
| 102.8 | -775.65 | 133.00 | -0.284 |
| 102.9 | -775.45 | 146.00 | -0.311 |
| 103.0 | -775.50 | 153.00 | -0.316 |
| 103.5 | -777.94 | 170.62 | -0.341 |
| 104.0 | -777.46 | 173.60 | -0.345 |
| 104.5 | -777.73 | 177.75 | -0.350 |
| 105.0 | -775.75 | | |
| 105.5 | -773.91 | | |
| 106.5 | -775.86 | | |
| 107.5 | -778.71 | | |
| 108.5 | -780.52 | | |
| 109.5 | -780.09 | | |
| 110.5 | -781.17 | | |
| 112.5 | -781.23 | | |
| 114.5 | -781.56 | | |
| 116.5 | -780.61 | | |
| 118.5 | -781.21 | | |
| 120.5 | -778.35 | | |
| 124.5 | -770.09 | | |
| 128.5 | -768.34 | | |
| 132.5 | -777.15 | | |
| 136.5 | -780.75 | | |
| 140.5 | -780.75 | | |
| 146.5 | -805.59 | | |
| 177.8 | -803.98 | | |

| CTH009 30-40 cm | | | |
|-------------------------|--------------------|----------------------------|----------------------|
| Core base pressure head | | Drainage flux observations | |
| Time (hours) | Pressure head (cm) | Time (hours) | Cumulative Flux (cm) |
| 0.1 | -93.95 | 0.10 | -0.053 |
| 0.2 | -92.81 | 0.20 | -0.070 |
| 0.3 | -91.99 | 0.30 | -0.083 |
| 0.5 | -90.65 | 0.50 | -0.103 |
| 1.0 | -88.78 | 1.00 | -0.131 |
| 1.5 | -87.74 | 1.50 | -0.147 |
| 2.0 | -86.80 | 1.60 | -0.152 |
| 3.0 | -89.09 | 2.08 | -0.187 |
| 4.0 | -91.17 | 16.28 | -0.241 |
| 5.0 | -92.34 | 24.53 | -0.243 |
| 7.0 | -93.84 | 40.00 | -0.243 |
| 9.0 | -94.73 | 40.47 | -0.255 |
| 11.0 | -95.75 | 40.58 | -0.255 |
| 13.0 | -96.54 | 6.00 | -0.304 |
| 15.0 | -97.11 | 65.72 | -0.335 |
| 19.0 | -90.18 | 69.10 | -0.334 |

| | | | |
|-------|---------|--------|--------|
| 23.0 | -88.95 | 70.00 | -0.337 |
| 24.0 | -88.53 | 73.00 | -0.334 |
| 24.5 | -88.14 | 74.00 | -0.345 |
| 25.0 | -88.08 | 76.00 | -0.362 |
| 26.0 | -89.10 | 81.00 | -0.407 |
| 27.0 | -90.45 | 86.00 | -0.437 |
| 30.0 | -92.56 | 91.00 | -0.459 |
| 33.0 | -92.96 | 96.00 | -0.467 |
| 36.0 | -93.24 | 101.00 | -0.504 |
| 40.0 | -93.49 | 106.00 | -0.528 |
| 40.1 | -192.35 | 111.00 | -0.546 |
| 45.0 | -193.90 | 116.00 | -0.558 |
| 48.0 | -192.81 | 121.00 | -0.566 |
| 54.0 | -196.41 | 142.00 | -0.613 |
| 60.0 | -196.41 | 147.00 | -0.622 |
| 66.0 | -196.41 | 152.00 | -0.641 |
| 69.0 | -196.41 | 157.00 | -0.650 |
| 70.0 | -208.44 | 162.00 | -0.656 |
| 71.0 | -208.66 | 167.00 | -0.648 |
| 72.0 | -208.77 | 172.00 | -0.657 |
| 73.0 | -208.67 | 177.00 | -0.673 |
| 74.0 | -811.12 | 182.00 | -0.683 |
| 77.0 | -808.73 | 183.00 | -0.685 |
| 82.0 | -806.10 | | |
| 87.0 | -804.14 | | |
| 92.0 | -802.82 | | |
| 97.0 | -801.67 | | |
| 102.0 | -808.93 | | |
| 107.0 | -807.45 | | |
| 112.0 | -806.17 | | |
| 117.0 | -805.53 | | |
| 122.0 | -805.01 | | |
| 127.0 | -804.40 | | |
| 132.0 | -804.40 | | |
| 137.0 | -804.40 | | |
| 142.0 | -801.92 | | |
| 147.0 | -801.31 | | |
| 152.0 | -800.00 | | |
| 157.0 | -799.38 | | |
| 162.0 | -798.97 | | |
| 183.0 | -796.96 | | |

| CTH011 5-15 cm | | | |
|-------------------------|--------------------|----------------------------|----------------------|
| Core base pressure head | | Drainage flux observations | |
| Time (hours) | Pressure head (cm) | Time (hours) | Cumulative Flux (cm) |

| | | | |
|------|---------|--------|--------|
| 0.1 | -100.64 | 0.11 | -0.067 |
| 0.2 | -94.27 | 0.20 | -0.092 |
| 0.3 | -93.31 | 0.30 | -0.107 |
| 0.5 | -91.78 | 0.50 | -0.131 |
| 1.0 | -89.11 | 0.90 | -0.163 |
| 1.5 | -87.74 | 1.50 | -0.190 |
| 2.0 | -86.00 | 2.50 | -0.216 |
| 3.0 | -84.89 | 4.50 | -0.237 |
| 4.0 | -84.12 | 9.00 | -0.251 |
| 5.0 | -83.76 | 13.00 | -0.272 |
| 7.0 | -82.88 | 18.00 | -0.288 |
| 9.0 | -81.35 | 23.00 | -0.291 |
| 11.0 | -97.15 | 26.00 | -0.297 |
| 13.0 | -98.57 | 6.00 | -0.297 |
| 15.0 | -100.46 | 28.50 | -0.317 |
| 19.0 | -100.36 | 29.00 | -0.329 |
| 23.0 | -100.32 | 30.00 | -0.348 |
| 24.0 | -100.57 | 31.00 | -0.362 |
| 24.5 | -100.53 | 35.00 | -0.391 |
| 25.0 | -99.91 | 40.00 | -0.405 |
| 26.0 | -95.93 | 45.00 | -0.415 |
| 28.3 | -93.42 | 50.00 | -0.428 |
| 28.4 | -207.54 | 58.00 | -0.431 |
| 33.0 | -199.04 | 75.00 | -0.430 |
| 36.0 | -197.88 | 82.00 | -0.435 |
| 39.0 | -201.01 | 90.00 | -0.436 |
| 42.0 | -200.90 | 98.00 | -0.438 |
| 45.0 | -200.84 | 102.00 | -0.439 |
| 48.0 | -200.01 | 105.02 | -0.460 |
| 54.0 | -195.74 | 120.75 | -0.521 |
| 60.0 | -198.57 | 125.25 | -0.534 |
| 66.0 | -198.57 | 129.75 | -0.545 |
| 69.0 | -198.57 | 146.00 | -0.575 |
| 70.0 | -198.57 | 153.00 | -0.587 |
| 71.0 | -198.57 | 170.62 | -0.609 |
| 72.0 | -198.57 | 173.60 | -0.614 |
| 73.0 | -198.57 | 177.75 | -0.619 |
| 75.0 | -198.57 | | |
| 77.0 | -197.65 | | |
| 79.0 | -199.95 | | |
| 81.0 | -199.19 | | |
| 83.0 | -199.33 | | |
| 85.0 | -199.61 | | |
| 87.0 | -198.85 | | |
| 89.0 | -199.29 | | |
| 92.0 | -199.88 | | |

| | | | |
|-------|---------|--|--|
| 95.0 | -200.23 | | |
| 98.0 | -199.54 | | |
| 102.4 | -197.49 | | |
| 102.5 | -774.56 | | |
| 105.5 | -773.07 | | |
| 108.5 | -780.44 | | |
| 111.5 | -780.69 | | |
| 114.5 | -782.36 | | |
| 117.5 | -781.13 | | |
| 120.5 | -780.55 | | |
| 123.5 | -772.04 | | |
| 126.5 | -770.47 | | |
| 129.5 | -770.69 | | |
| 132.5 | -780.43 | | |
| 135.5 | -784.31 | | |
| 138.5 | -784.31 | | |
| 141.5 | -784.31 | | |
| 144.5 | -784.31 | | |
| 147.5 | -781.46 | | |
| 150.5 | -781.18 | | |
| 153.5 | -781.09 | | |
| 156.5 | -781.09 | | |
| 159.5 | -781.09 | | |
| 162.5 | -781.09 | | |
| 165.5 | -781.09 | | |
| 168.5 | -781.09 | | |
| 171.5 | -781.09 | | |
| 174.5 | -781.09 | | |
| 178.0 | -781.09 | | |

| CTH011 30-40 cm | | | |
|-------------------------|--------------------|----------------------------|----------------------|
| Core base pressure head | | Drainage flux observations | |
| Time (hours) | Pressure head (cm) | Time (hours) | Cumulative Flux (cm) |
| 0.1 | -84.29 | 0.10 | -0.014 |
| 0.2 | -83.07 | 0.20 | -0.028 |
| 0.3 | -82.64 | 0.30 | -0.036 |
| 0.5 | -81.94 | 0.50 | -0.047 |
| 1.0 | -80.52 | 0.90 | -0.064 |
| 1.5 | -79.78 | 1.50 | -0.079 |
| 2.0 | -78.46 | 2.50 | -0.093 |
| 3.0 | -78.07 | 4.50 | -0.103 |
| 4.0 | -77.41 | 7.00 | -0.109 |
| 5.0 | -77.26 | 15.00 | -0.117 |
| 7.0 | -76.29 | 19.00 | -0.120 |
| 9.0 | -75.38 | 23.00 | -0.120 |

| | | | |
|-------|---------|--------|--------|
| 11.0 | -76.69 | 26.00 | -0.123 |
| 13.0 | -79.58 | 6.00 | -0.124 |
| 15.0 | -81.62 | 28.50 | -0.137 |
| 19.0 | -81.97 | 29.00 | -0.149 |
| 23.0 | -82.03 | 30.00 | -0.160 |
| 24.0 | -82.37 | 31.00 | -0.172 |
| 24.5 | -82.44 | 35.00 | -0.187 |
| 25.0 | -81.84 | 40.00 | -0.199 |
| 26.0 | -77.82 | 45.00 | -0.208 |
| 28.3 | -75.52 | 50.00 | -0.213 |
| 28.4 | -192.91 | 58.00 | -0.210 |
| 33.0 | -182.26 | 66.00 | -0.210 |
| 36.0 | -181.72 | 74.00 | -0.210 |
| 39.0 | -185.07 | 82.00 | -0.217 |
| 42.0 | -184.84 | 90.00 | -0.221 |
| 45.0 | -184.67 | 98.00 | -0.223 |
| 48.0 | -184.40 | 102.00 | -0.225 |
| 54.0 | -180.50 | 103.00 | -0.234 |
| 60.0 | -182.41 | 104.00 | -0.239 |
| 66.0 | -182.41 | 106.00 | -0.250 |
| 69.0 | -182.41 | 108.00 | -0.258 |
| 70.0 | -182.41 | 112.00 | -0.277 |
| 71.0 | -182.41 | 115.00 | -0.289 |
| 72.0 | -182.41 | 120.00 | -0.306 |
| 73.0 | -182.41 | 125.00 | -0.321 |
| 75.0 | -182.41 | 130.00 | -0.334 |
| 77.0 | -184.40 | 135.00 | -0.341 |
| 79.0 | -184.21 | 147.00 | -0.364 |
| 81.0 | -184.16 | 155.00 | -0.376 |
| 83.0 | -184.56 | 165.00 | -0.393 |
| 85.0 | -184.62 | 170.00 | -0.399 |
| 87.0 | -183.67 | 178.00 | -0.404 |
| 89.0 | -183.62 | | |
| 92.0 | -184.30 | | |
| 95.0 | -185.24 | | |
| 98.0 | -184.48 | | |
| 103.0 | -188.98 | | |
| 103.5 | -764.10 | | |
| 106.5 | -761.40 | | |
| 109.5 | -767.75 | | |
| 112.5 | -767.52 | | |
| 115.5 | -768.20 | | |
| 118.5 | -766.71 | | |
| 121.5 | -765.67 | | |
| 124.5 | -755.95 | | |
| 127.5 | -754.00 | | |

| | | | |
|-------|---------|--|--|
| 130.5 | -754.40 | | |
| 133.5 | -763.45 | | |
| 136.5 | -764.52 | | |
| 139.5 | -764.52 | | |
| 142.5 | -764.52 | | |
| 145.5 | -764.10 | | |
| 148.5 | -178.97 | | |
| 151.5 | -178.82 | | |
| 154.5 | -178.56 | | |
| 157.5 | -178.28 | | |
| 160.5 | -177.84 | | |
| 163.5 | -177.60 | | |
| 166.5 | -177.21 | | |
| 169.5 | -176.91 | | |
| 172.5 | -176.85 | | |
| 175.5 | -176.72 | | |
| 178.0 | -176.63 | | |

| CTH013 30-40 cm | | | |
|-------------------------|--------------------|----------------------------|----------------------|
| Core base pressure head | | Drainage flux observations | |
| Time (hours) | Pressure head (cm) | Time (hours) | Cumulative Flux (cm) |
| 0.1 | -89.96 | 0.05 | -0.017 |
| 0.1 | -86.20 | 0.07 | -0.081 |
| 0.1 | -84.68 | 0.10 | -0.108 |
| 0.1 | -81.73 | 0.12 | -0.155 |
| 0.2 | -89.05 | 0.20 | -0.207 |
| 0.3 | -86.35 | 0.30 | -0.252 |
| 0.4 | -84.12 | 0.40 | -0.288 |
| 0.5 | -83.10 | 0.50 | -0.307 |
| 0.8 | -80.43 | 0.80 | -0.347 |
| 1.5 | -101.97 | 1.50 | -0.395 |
| 2.0 | -101.02 | 2.00 | -0.412 |
| 3.0 | -100.28 | 3.00 | -0.426 |
| 4.0 | -100.51 | 4.00 | -0.432 |
| 6.0 | -101.15 | 6.00 | -0.438 |
| 9.0 | -104.41 | 9.00 | -0.446 |
| 11.0 | -105.24 | 11.00 | -0.446 |
| 13.0 | -107.02 | 13.00 | -0.452 |
| 15.0 | -105.86 | 15.00 | -0.452 |
| 18.0 | -98.44 | 18.00 | -0.456 |
| 20.0 | -97.45 | 20.00 | -0.458 |
| 22.0 | -96.58 | 22.00 | -0.459 |
| 24.0 | -95.93 | 24.00 | -0.461 |
| 24.1 | -95.74 | 24.10 | -0.461 |
| 24.5 | -204.50 | 24.50 | -0.470 |

| | | | |
|-------|---------|--------|--------|
| 25.0 | -203.51 | 25.00 | -0.479 |
| 26.0 | -202.80 | 26.00 | -0.492 |
| 27.0 | -202.73 | 27.00 | -0.502 |
| 28.5 | -201.28 | 28.50 | -0.516 |
| 30.0 | -201.98 | 30.00 | -0.523 |
| 32.0 | -204.67 | 32.00 | -0.537 |
| 35.0 | -205.03 | 35.00 | -0.557 |
| 37.0 | -204.87 | 37.00 | -0.565 |
| 40.0 | -204.91 | 40.00 | -0.576 |
| 43.0 | -198.84 | 43.00 | -0.585 |
| 46.0 | -194.25 | 46.00 | -0.593 |
| 50.0 | -193.18 | 50.00 | -0.599 |
| 55.0 | -198.26 | 55.00 | -0.617 |
| 60.0 | -202.40 | 60.00 | -0.628 |
| 65.0 | -203.56 | 65.00 | -0.639 |
| 70.0 | -197.18 | 70.00 | -0.642 |
| 72.0 | -195.65 | 72.00 | -0.644 |
| 72.1 | -195.34 | 72.10 | -0.646 |
| 72.5 | -804.88 | 72.50 | -0.658 |
| 73.0 | -803.14 | 73.00 | -0.661 |
| 74.0 | -806.87 | 74.00 | -0.664 |
| 76.0 | -808.70 | 76.00 | -0.676 |
| 78.0 | -803.55 | 78.00 | -0.689 |
| 80.0 | -821.20 | 80.00 | -0.703 |
| 82.0 | -822.86 | 82.00 | -0.716 |
| 85.0 | -820.57 | 85.00 | -0.736 |
| 90.0 | -816.89 | 90.00 | -0.749 |
| 90.5 | -815.43 | 90.50 | -0.767 |
| 120.5 | -809.42 | 91.00 | -0.768 |
| 122.0 | -809.55 | 120.50 | -0.805 |
| 125.0 | -800.48 | 122.00 | -0.803 |
| 130.0 | -817.39 | 125.00 | -0.799 |
| 135.0 | -821.58 | 130.00 | -0.801 |
| 140.0 | -801.13 | 135.00 | -0.807 |
| 145.0 | -795.47 | 140.00 | -0.812 |
| 150.0 | -794.27 | 145.00 | -0.813 |
| 155.0 | -804.13 | 150.00 | -0.814 |
| 160.0 | -809.23 | 155.00 | -0.817 |
| 164.0 | -794.76 | 160.00 | -0.831 |

| CTH014 5-15 cm | | | |
|-------------------------|--------------------|----------------------------|----------------------|
| Core base pressure head | | Drainage flux observations | |
| Time (hours) | Pressure head (cm) | Time (hours) | Cumulative Flux (cm) |
| 0.01 | -89.72 | 0.05 | -0.029 |
| 0.10 | -92.22 | 0.10 | -0.038 |

| | | | |
|-------|---------|-------|--------|
| 0.20 | -89.86 | 0.20 | -0.072 |
| 0.30 | -89.43 | 0.30 | -0.081 |
| 0.40 | -88.95 | 0.50 | -0.097 |
| 0.50 | -88.82 | 0.70 | -0.107 |
| 0.60 | -88.41 | 1.00 | -0.121 |
| 1.10 | -87.19 | 1.50 | -0.140 |
| 1.60 | -86.14 | 2.00 | -0.155 |
| 2.10 | -85.28 | 2.50 | -0.167 |
| 2.60 | -84.44 | 3.00 | -0.178 |
| 3.10 | -84.01 | 4.00 | -0.192 |
| 4.10 | -82.89 | 5.00 | -0.204 |
| 5.10 | -82.58 | 6.00 | -0.215 |
| 6.10 | -84.31 | 9.00 | -0.238 |
| 7.10 | -86.03 | 11.00 | -0.248 |
| 8.10 | -87.33 | 13.00 | -0.256 |
| 10.10 | -88.57 | 15.00 | -0.261 |
| 12.10 | -89.33 | 18.00 | -0.264 |
| 14.10 | -88.46 | 20.00 | -0.269 |
| 16.10 | -87.56 | 22.00 | -0.271 |
| 18.10 | -86.59 | 24.60 | -0.274 |
| 24.60 | -81.07 | 24.70 | -0.281 |
| 24.70 | -193.47 | 25.00 | -0.287 |
| 25.66 | -191.98 | 25.50 | -0.296 |
| 25.76 | -191.88 | 26.00 | -0.302 |
| 25.86 | -191.68 | 27.00 | -0.314 |
| 25.96 | -191.58 | 28.00 | -0.323 |
| 26.06 | -191.48 | 30.00 | -0.332 |
| 26.56 | -190.80 | 32.00 | -0.344 |
| 27.06 | -190.39 | 35.00 | -0.355 |
| 27.56 | -190.12 | 38.00 | -0.361 |
| 28.06 | -189.44 | 41.00 | -0.366 |
| 28.56 | -189.18 | 44.00 | -0.371 |
| 29.56 | -188.53 | 47.00 | -0.375 |
| 30.56 | -194.02 | 50.00 | -0.376 |
| 31.56 | -196.13 | 54.00 | -0.379 |
| 32.56 | -196.14 | 58.00 | -0.383 |
| 33.56 | -196.31 | 62.00 | -0.384 |
| 35.56 | -196.31 | 66.00 | -0.385 |
| 37.56 | -196.44 | 69.10 | -0.389 |
| 39.56 | -196.78 | 69.20 | -0.397 |
| 41.56 | -196.46 | 69.80 | -0.400 |
| 43.56 | -197.11 | 70.00 | -0.401 |
| 47.56 | -191.34 | 72.00 | -0.409 |
| 51.56 | -193.14 | 74.00 | -0.420 |
| 55.56 | -193.40 | 76.00 | -0.426 |
| 59.56 | -195.18 | 79.00 | -0.434 |

| | | | |
|--------|---------|--------|--------|
| 69.10 | -191.97 | 82.00 | -0.442 |
| 69.20 | -692.36 | 85.00 | -0.452 |
| 70.06 | -827.83 | 88.00 | -0.459 |
| 70.16 | -827.23 | 91.00 | -0.465 |
| 70.26 | -827.62 | 95.00 | -0.472 |
| 70.36 | -827.72 | 97.85 | -0.478 |
| 70.46 | -827.91 | 100.70 | -0.478 |
| 70.56 | -827.72 | 101.90 | -0.487 |
| 71.06 | -826.84 | 115.38 | -0.511 |
| 71.56 | -826.84 | 118.17 | -0.511 |
| 72.06 | -825.67 | | |
| 72.56 | -824.69 | | |
| 73.06 | -824.46 | | |
| 74.06 | -823.48 | | |
| 75.06 | -821.62 | | |
| 76.06 | -820.90 | | |
| 77.06 | -819.10 | | |
| 78.06 | -820.79 | | |
| 80.06 | -827.28 | | |
| 82.06 | -831.70 | | |
| 84.06 | -835.05 | | |
| 86.06 | -838.63 | | |
| 88.06 | -839.42 | | |
| 118.00 | -839.42 | | |

| CTH014 30-40 cm | | | |
|-------------------------|--------------------|----------------------------|----------------------|
| Core base pressure head | | Drainage flux observations | |
| Time (hours) | Pressure head (cm) | Time (hours) | Cumulative Flux (cm) |
| 0.01 | -95.37 | 0.10 | -0.014 |
| 0.10 | -94.63 | 0.50 | -0.018 |
| 0.50 | -94.55 | 1.00 | -0.025 |
| 1.00 | -93.87 | 1.50 | -0.029 |
| 3.00 | -94.75 | 2.00 | -0.047 |
| 6.00 | -96.36 | 3.00 | -0.053 |
| 10.00 | -97.93 | 4.20 | -0.062 |
| 14.00 | -94.37 | 5.00 | -0.067 |
| 18.00 | -89.29 | 5.20 | -0.081 |
| 22.00 | -87.43 | 7.00 | -0.091 |
| 26.00 | -92.79 | 8.00 | -0.093 |
| 30.00 | -96.40 | 10.00 | -0.099 |
| 34.00 | -97.03 | 12.00 | -0.103 |
| 38.00 | -96.29 | 6.00 | -0.110 |
| 38.50 | -95.32 | 16.00 | -0.112 |
| 39.00 | -130.76 | 18.00 | -0.115 |
| 39.50 | -195.82 | 20.00 | -0.119 |

| | | | |
|--------|---------|--------|--------|
| 41.00 | -193.32 | 22.00 | -0.119 |
| 44.00 | -190.66 | 24.00 | -0.118 |
| 48.00 | -195.47 | 26.00 | -0.120 |
| 52.00 | -200.20 | 28.00 | -0.120 |
| 56.00 | -201.27 | 30.00 | -0.123 |
| 60.00 | -203.38 | 32.00 | -0.125 |
| 64.00 | -193.17 | 34.00 | -0.124 |
| 68.00 | -192.70 | 36.00 | -0.127 |
| 72.00 | -191.74 | 38.00 | -0.128 |
| 76.00 | -195.23 | 38.80 | -0.128 |
| 80.00 | -195.53 | 39.00 | -0.132 |
| 84.00 | -195.05 | 40.00 | -0.141 |
| 86.80 | -193.34 | 42.00 | -0.148 |
| 86.90 | -767.09 | 44.00 | -0.152 |
| 88.00 | -801.37 | 46.00 | -0.155 |
| 90.00 | -801.88 | 48.00 | -0.155 |
| 95.00 | -814.21 | 50.00 | -0.158 |
| 100.00 | -818.16 | 52.00 | -0.165 |
| 105.00 | -819.97 | 54.00 | -0.163 |
| 110.00 | -812.16 | 56.00 | -0.165 |
| 115.00 | -812.58 | 60.87 | -0.177 |
| 120.00 | -812.45 | 70.00 | -0.183 |
| 125.00 | -813.36 | 79.00 | -0.185 |
| 130.00 | -813.36 | 80.00 | -0.187 |
| 135.00 | -807.53 | 81.00 | -0.191 |
| 140.00 | -805.28 | 84.00 | -0.186 |
| 145.00 | -807.18 | 86.00 | -0.191 |
| 150.00 | -815.69 | 86.80 | -0.192 |
| 155.00 | -821.96 | 88.00 | -0.213 |
| 160.00 | -801.49 | 90.00 | -0.216 |
| 162.00 | -800.23 | 92.00 | -0.222 |
| | | 93.00 | -0.227 |
| | | 96.00 | -0.229 |
| | | 99.00 | -0.233 |
| | | 102.00 | -0.238 |
| | | 105.00 | -0.244 |
| | | 108.00 | -0.247 |
| | | 111.00 | -0.256 |
| | | 114.00 | -0.266 |
| | | 117.00 | -0.271 |
| | | 122.00 | -0.275 |
| | | 133.00 | -0.298 |
| | | 136.00 | -0.298 |
| | | 140.00 | -0.304 |
| | | 144.00 | -0.304 |
| | | 151.00 | -0.314 |

| | | | |
|--|--|--------|--------|
| | | 155.00 | -0.320 |
| | | 160.00 | -0.325 |
| | | 162.00 | -0.328 |

| CTH017 5-15 cm | | | |
|-------------------------|--------------------|----------------------------|----------------------|
| Core base pressure head | | Drainage flux observations | |
| Time (hours) | Pressure head (cm) | Time (hours) | Cumulative Flux (cm) |
| 0.1 | -91.29 | 0.10 | -0.066 |
| 0.2 | -90.16 | 0.20 | -0.078 |
| 0.3 | -89.62 | 0.30 | -0.087 |
| 0.5 | -88.71 | 0.50 | -0.101 |
| 1.0 | -87.18 | 0.90 | -0.118 |
| 1.5 | -85.92 | 1.50 | -0.140 |
| 2.0 | -84.28 | 2.50 | -0.169 |
| 3.0 | -82.76 | 4.50 | -0.212 |
| 4.0 | -80.96 | 7.00 | -0.231 |
| 5.0 | -80.09 | 15.00 | -0.252 |
| 7.0 | -78.29 | 19.00 | -0.255 |
| 9.0 | -77.18 | 23.00 | -0.258 |
| 11.0 | -77.98 | 26.00 | -0.257 |
| 13.0 | -80.78 | 6.00 | -0.258 |
| 15.0 | -82.73 | 28.50 | -0.284 |
| 19.0 | -83.07 | 29.00 | -0.292 |
| 23.0 | -82.94 | 30.00 | -0.301 |
| 24.0 | -83.47 | 31.00 | -0.308 |
| 24.5 | -83.44 | 35.00 | -0.331 |
| 25.0 | -82.85 | 40.00 | -0.346 |
| 26.0 | -79.03 | 45.00 | -0.361 |
| 28.3 | -76.61 | 50.00 | -0.381 |
| 28.4 | -204.20 | 58.00 | -0.387 |
| 33.0 | -191.21 | 66.00 | -0.391 |
| 36.0 | -190.16 | 74.00 | -0.391 |
| 39.0 | -193.23 | 82.00 | -0.396 |
| 42.0 | -193.00 | 90.00 | -0.408 |
| 45.0 | -192.41 | 98.00 | -0.414 |
| 48.0 | -192.01 | 102.00 | -0.420 |
| 54.0 | -187.20 | 103.00 | -0.423 |
| 60.0 | -188.66 | 104.00 | -0.422 |
| 66.0 | -188.66 | 106.00 | -0.429 |
| 69.0 | -188.66 | 108.00 | -0.433 |
| 70.0 | -188.66 | 112.00 | -0.446 |
| 71.0 | -188.66 | 115.00 | -0.454 |
| 72.0 | -188.66 | 120.00 | -0.465 |
| 73.0 | -188.66 | 125.00 | -0.469 |
| 75.0 | -188.66 | 130.00 | -0.476 |

| | | | |
|-------|---------|--------|--------|
| 77.0 | -188.44 | 135.00 | -0.490 |
| 79.0 | -190.37 | 147.00 | -0.503 |
| 81.0 | -189.96 | 155.00 | -0.512 |
| 83.0 | -190.14 | 165.00 | -0.538 |
| 85.0 | -189.96 | 170.00 | -0.542 |
| 87.0 | -189.12 | 178.00 | -0.548 |
| 89.0 | -189.34 | | |
| 92.0 | -189.51 | | |
| 95.0 | -189.74 | | |
| 98.0 | -189.17 | | |
| 102.4 | -186.83 | | |
| 102.5 | -763.94 | | |
| 105.5 | -770.23 | | |
| 108.5 | -776.74 | | |
| 111.5 | -776.74 | | |
| 114.5 | -777.87 | | |
| 117.5 | -776.72 | | |
| 120.5 | -774.87 | | |
| 123.5 | -766.67 | | |
| 126.5 | -764.97 | | |
| 129.5 | -764.71 | | |
| 132.5 | -773.89 | | |
| 135.5 | -777.28 | | |
| 138.5 | -777.28 | | |
| 141.5 | -777.28 | | |
| 144.5 | -777.28 | | |
| 147.5 | -776.36 | | |
| 150.5 | -775.99 | | |
| 153.5 | -775.91 | | |
| 156.5 | -775.43 | | |
| 159.5 | -774.80 | | |
| 162.5 | -774.47 | | |
| 165.5 | -774.11 | | |
| 168.5 | -773.60 | | |
| 171.5 | -773.81 | | |
| 174.5 | -773.76 | | |
| 178.0 | -773.47 | | |

| CTH017 30-40 cm | | | |
|-------------------------|--------------------|----------------------------|----------------------|
| Core base pressure head | | Drainage flux observations | |
| Time (hours) | Pressure head (cm) | Time (hours) | Cumulative Flux (cm) |
| 0.1 | -71.75 | 0.02 | -0.05 |
| 0.2 | -69.70 | 0.05 | -0.07 |
| 0.3 | -68.68 | 0.10 | -0.12 |
| 0.5 | -67.47 | 0.50 | -0.19 |

| | | | |
|-------|---------|--------|-------|
| 1.0 | -80.96 | 0.80 | -0.21 |
| 1.5 | -80.73 | 1.20 | -0.22 |
| 2.0 | -80.63 | 1.90 | -0.23 |
| 3.0 | -82.93 | 2.08 | -0.25 |
| 4.0 | -85.01 | 16.28 | -0.24 |
| 5.0 | -86.18 | 24.53 | -0.27 |
| 7.0 | -87.67 | 40.00 | -0.27 |
| 9.0 | -88.57 | 40.47 | -0.28 |
| 11.0 | -89.58 | 40.58 | -0.28 |
| 13.0 | -90.37 | 6.00 | -0.38 |
| 15.0 | -90.94 | 48.02 | -0.38 |
| 19.0 | -84.01 | 65.72 | -0.50 |
| 23.0 | -82.78 | 69.03 | -0.50 |
| 24.0 | -82.36 | 73.00 | -0.48 |
| 24.5 | -81.98 | 74.00 | -0.49 |
| 25.0 | -81.91 | 75.00 | -0.52 |
| 26.0 | -82.93 | 80.00 | -0.60 |
| 27.0 | -84.28 | 85.00 | -0.65 |
| 30.0 | -86.40 | 90.00 | -0.72 |
| 33.0 | -86.79 | 95.00 | -0.76 |
| 36.0 | -87.08 | 99.00 | -0.75 |
| 40.0 | -87.32 | 104.00 | -0.78 |
| 40.1 | -186.18 | 109.00 | -0.80 |
| 45.0 | -187.73 | 114.00 | -0.82 |
| 48.0 | -186.64 | 119.00 | -0.84 |
| 49.0 | -185.34 | 122.00 | -0.85 |
| 67.0 | -188.69 | 147.00 | -0.92 |
| 68.0 | -188.69 | 152.00 | -0.95 |
| 69.0 | -190.25 | 157.00 | -0.97 |
| 70.0 | -185.37 | 162.00 | -0.97 |
| 71.0 | -185.29 | 167.00 | -0.98 |
| 72.0 | -184.99 | 172.00 | -0.99 |
| 74.0 | -184.29 | 177.00 | -1.01 |
| 75.0 | -786.53 | 182.00 | -1.03 |
| 77.0 | -784.43 | 183.00 | -1.03 |
| 82.0 | -780.44 | | |
| 87.0 | -777.09 | | |
| 92.0 | -791.25 | | |
| 97.0 | -789.39 | | |
| 102.0 | -789.41 | | |
| 107.0 | -788.02 | | |
| 112.0 | -786.62 | | |
| 117.0 | -785.52 | | |
| 122.0 | -784.42 | | |
| 127.0 | -784.08 | | |
| 132.0 | -784.08 | | |

| | | | |
|-------|---------|--|--|
| 137.0 | -784.08 | | |
| 142.0 | -784.08 | | |
| 147.0 | -779.94 | | |
| 152.0 | -778.54 | | |
| 157.0 | -777.42 | | |
| 162.0 | -776.99 | | |
| 183.0 | -773.51 | | |

| CTH018 5-15 cm | | | |
|-------------------------|--------------------|----------------------------|----------------------|
| Core base pressure head | | Drainage flux observations | |
| Time (hours) | Pressure head (cm) | Time (hours) | Cumulative Flux (cm) |
| 0.1 | -96.85 | 0.10 | -0.033 |
| 0.2 | -96.06 | 0.20 | -0.048 |
| 0.3 | -95.50 | 0.30 | -0.056 |
| 0.5 | -94.88 | 0.50 | -0.070 |
| 1.0 | -93.44 | 1.00 | -0.094 |
| 1.5 | -92.20 | 1.50 | -0.113 |
| 2.0 | -91.58 | 2.00 | -0.128 |
| 3.0 | -90.37 | 3.00 | -0.147 |
| 4.0 | -89.68 | 4.00 | -0.159 |
| 5.0 | -89.10 | 5.00 | -0.167 |
| 7.0 | -89.29 | 7.00 | -0.174 |
| 9.0 | -90.09 | 9.00 | -0.179 |
| 11.0 | -90.71 | 11.00 | -0.183 |
| 13.0 | -90.35 | 13.00 | -0.189 |
| 15.0 | -90.06 | 15.00 | -0.192 |
| 18.0 | -90.37 | 18.00 | -0.190 |
| 22.0 | -89.47 | 22.00 | -0.201 |
| 23.5 | -89.32 | 23.50 | -0.223 |
| 24.0 | -197.13 | 24.00 | -0.236 |
| 25.0 | -195.85 | 25.00 | -0.244 |
| 26.0 | -194.92 | 26.00 | -0.259 |
| 27.0 | -194.26 | 27.00 | -0.269 |
| 30.0 | -192.15 | 30.00 | -0.299 |
| 33.0 | -192.65 | 33.00 | -0.290 |
| 36.0 | -192.13 | 36.00 | -0.306 |
| 39.0 | -192.04 | 39.00 | -0.310 |
| 42.0 | -192.67 | 42.00 | -0.309 |
| 45.0 | -192.58 | 45.00 | -0.315 |
| 48.0 | -191.14 | 48.00 | -0.318 |
| 54.0 | -190.88 | 54.00 | -0.325 |
| 60.0 | -190.81 | 60.00 | -0.325 |
| 66.0 | -191.00 | 66.00 | -0.325 |
| 69.0 | -190.98 | 69.00 | -0.331 |
| 70.0 | -199.82 | 70.00 | -0.338 |

| | | | |
|-------|---------|--------|--------|
| 71.0 | -799.41 | 71.00 | -0.364 |
| 72.0 | -799.23 | 72.00 | -0.380 |
| 73.0 | -798.44 | 73.00 | -0.396 |
| 75.0 | -793.04 | 75.00 | -0.421 |
| 77.0 | -782.70 | 77.00 | -0.441 |
| 79.0 | -792.20 | 79.00 | -0.457 |
| 81.0 | -792.63 | 81.00 | -0.475 |
| 83.0 | -784.56 | 83.00 | -0.476 |
| 85.0 | -785.95 | 85.00 | -0.499 |
| 87.0 | -785.03 | 87.00 | -0.506 |
| 89.0 | -784.04 | 89.00 | -0.514 |
| 92.0 | -782.66 | 92.00 | -0.524 |
| 95.0 | -786.05 | 95.00 | -0.539 |
| 98.0 | -787.25 | 98.00 | -0.546 |
| 101.0 | -779.19 | 101.00 | -0.545 |
| 104.0 | -781.10 | 104.00 | -0.558 |
| 107.0 | -787.44 | 107.00 | -0.549 |
| 110.0 | -775.54 | 110.00 | -0.555 |
| 113.0 | -788.57 | 113.00 | -0.562 |
| 116.0 | -795.21 | 116.00 | -0.576 |
| 119.0 | -794.48 | 119.00 | -0.582 |
| 122.0 | -783.96 | 122.00 | -0.587 |
| 123.0 | -783.62 | 123.00 | -0.589 |

| CTH018 30-40 cm | | | |
|-------------------------|--------------------|----------------------------|----------------------|
| Core base pressure head | | Drainage flux observations | |
| Time (hours) | Pressure head (cm) | Time (hours) | Cumulative Flux (cm) |
| 0.1 | -89.59 | 0.06 | -0.030 |
| 0.2 | -96.11 | 0.10 | -0.058 |
| 0.3 | -95.51 | 0.20 | -0.082 |
| 0.5 | -94.64 | 0.30 | -0.093 |
| 1.0 | -93.17 | 0.50 | -0.113 |
| 1.5 | -91.69 | 1.00 | -0.141 |
| 2.2 | -90.65 | 1.50 | -0.161 |
| 2.3 | -90.52 | 2.30 | -0.182 |
| 4.0 | -89.83 | 4.00 | -0.206 |
| 5.0 | -101.77 | 5.00 | -0.226 |
| 7.0 | -103.22 | 7.00 | -0.234 |
| 9.0 | -105.36 | 9.00 | -0.239 |
| 11.0 | -104.55 | 11.00 | -0.267 |
| 13.0 | -106.64 | 6.00 | -0.267 |
| 15.0 | -105.13 | 15.00 | -0.276 |
| 18.0 | -97.81 | 18.00 | -0.275 |
| 22.0 | -96.05 | 22.00 | -0.276 |
| 24.2 | -99.82 | 24.00 | -0.274 |

| | | | |
|------|---------|-------|--------|
| 24.2 | -203.63 | 24.20 | -0.277 |
| 24.4 | -204.11 | 24.50 | -0.282 |
| 24.5 | -204.00 | 25.00 | -0.289 |
| 24.7 | -203.67 | 26.00 | -0.299 |
| 25.2 | -203.09 | 27.00 | -0.308 |
| 25.7 | -202.59 | 28.00 | -0.314 |
| 26.4 | -201.81 | 30.00 | -0.322 |
| 26.5 | -201.81 | 32.00 | -0.325 |
| 28.2 | -201.70 | 35.00 | -0.333 |
| 29.2 | -202.25 | 38.00 | -0.336 |
| 31.2 | -203.30 | 42.00 | -0.344 |
| 33.2 | -207.00 | 46.00 | -0.343 |
| 35.2 | -207.24 | 50.00 | -0.338 |
| 37.2 | -207.28 | 55.00 | -0.331 |
| 39.2 | -207.85 | 60.00 | -0.330 |
| 42.2 | -202.70 | 65.00 | -0.325 |
| 46.2 | -197.90 | 70.00 | -0.331 |
| 52.2 | -199.91 | 72.00 | -0.330 |
| 58.2 | -207.84 | 72.80 | -0.347 |
| 64.2 | -211.10 | 73.00 | -0.359 |
| 70.2 | -204.61 | 73.50 | -0.384 |
| 72.2 | -202.68 | 74.00 | -0.402 |
| 72.2 | -202.68 | 75.00 | -0.424 |
| 72.4 | -808.77 | 76.00 | -0.440 |
| 72.5 | -817.82 | 77.00 | -0.451 |
| 72.7 | -802.56 | 78.00 | -0.461 |
| 73.2 | -797.73 | 80.00 | -0.472 |
| 73.7 | -799.23 | 82.00 | -0.482 |
| 74.4 | -799.61 | 84.00 | -0.486 |
| 74.5 | -799.30 | 86.00 | -0.489 |
| 76.2 | -800.00 | 88.00 | -0.490 |
| 77.2 | -796.70 | 90.00 | -0.490 |
| 79.2 | -808.16 | 91.20 | -0.488 |
| 81.2 | -813.54 | | |
| 83.2 | -814.46 | | |
| 85.2 | -812.91 | | |
| 87.2 | -810.07 | | |
| 91.2 | -810.07 | | |

| T02AH001B 5-15 cm | | | |
|-------------------------|--------------------|----------------------------|----------------------|
| Core base pressure head | | Drainage flux observations | |
| Time (hours) | Pressure head (cm) | Time (hours) | Cumulative Flux (cm) |
| 0.0 | -92.80 | 0.02 | -0.003 |
| 0.1 | -92.59 | 0.05 | -0.005 |
| 0.1 | -92.29 | 0.10 | -0.008 |

| | | | |
|-------|---------|--------|--------|
| 0.4 | -91.05 | 0.40 | -0.021 |
| 1.0 | -90.25 | 1.00 | -0.035 |
| 2.0 | -89.45 | 2.00 | -0.049 |
| 5.0 | -87.93 | 5.00 | -0.075 |
| 8.0 | -87.50 | 8.00 | -0.091 |
| 10.0 | -87.07 | 10.00 | -0.097 |
| 15.0 | -89.85 | 13.00 | -0.110 |
| 20.0 | -89.88 | 16.00 | -0.117 |
| 24.2 | -90.15 | 19.00 | -0.124 |
| 24.5 | -194.59 | 24.20 | -0.132 |
| 30.0 | -191.89 | 6.00 | -0.081 |
| 35.0 | -190.64 | 27.00 | -0.165 |
| 40.0 | -191.33 | 30.00 | -0.183 |
| 45.0 | -193.26 | 35.00 | -0.206 |
| 50.0 | -191.13 | 40.00 | -0.224 |
| 55.0 | -188.57 | 43.00 | -0.233 |
| 60.0 | -188.53 | 46.00 | -0.240 |
| 65.0 | -190.30 | 49.00 | -0.248 |
| 70.0 | -192.23 | 52.00 | -0.255 |
| 72.4 | -187.80 | 55.00 | -0.261 |
| 73.0 | -800.26 | 60.00 | -0.268 |
| 80.0 | -790.80 | 65.00 | -0.275 |
| 85.0 | -780.98 | 70.00 | -0.282 |
| 90.0 | -785.86 | 72.40 | -0.284 |
| 95.0 | -785.72 | 73.00 | -0.296 |
| 100.0 | -785.14 | 75.00 | -0.315 |
| 105.0 | -783.84 | 80.00 | -0.342 |
| 110.0 | -779.46 | 85.00 | -0.361 |
| 115.0 | -778.74 | 90.00 | -0.379 |
| 120.0 | -777.08 | 95.00 | -0.394 |
| 125.0 | -770.19 | 98.00 | -0.403 |
| 130.0 | -771.21 | 104.00 | -0.410 |
| 135.0 | -780.41 | 110.00 | -0.423 |
| 140.0 | -776.94 | 115.00 | -0.435 |
| 145.0 | -772.27 | 120.00 | -0.443 |
| 150.0 | -769.96 | 125.00 | -0.450 |
| 155.0 | -766.93 | 129.00 | -0.456 |
| 160.0 | -761.91 | 138.00 | -0.462 |
| 165.0 | -761.58 | 140.00 | -0.465 |
| 168.5 | -770.21 | 145.00 | -0.470 |
| | | 150.00 | -0.475 |
| | | 155.00 | -0.481 |
| | | 160.00 | -0.485 |
| | | 165.00 | -0.491 |
| | | 168.47 | -0.494 |

| TO2AH001B 30-40 cm | | | |
|-------------------------|--------------------|----------------------------|----------------------|
| Core base pressure head | | Drainage flux observations | |
| Time (hours) | Pressure head (cm) | Time (hours) | Cumulative Flux (cm) |
| 0.0 | -96.50 | 0.02 | -0.008 |
| 0.1 | -95.25 | 0.05 | -0.016 |
| 0.1 | -95.14 | 0.10 | -0.031 |
| 0.1 | -94.53 | 0.20 | -0.052 |
| 0.2 | -93.76 | 0.40 | -0.074 |
| 0.3 | -93.02 | 0.80 | -0.102 |
| 0.4 | -92.51 | 1.50 | -0.129 |
| 0.5 | -91.69 | 2.50 | -0.145 |
| 0.8 | -90.41 | 3.50 | -0.155 |
| 1.5 | -88.52 | 5.00 | -0.158 |
| 2.0 | -87.74 | 8.00 | -0.160 |
| 3.0 | -86.90 | 10.00 | -0.163 |
| 4.0 | -86.87 | 12.00 | -0.163 |
| 6.0 | -78.79 | 6.00 | -0.164 |
| 9.0 | -79.47 | 18.00 | -0.170 |
| 11.0 | -80.03 | 20.00 | -0.170 |
| 13.0 | -80.72 | 22.00 | -0.170 |
| 15.0 | -80.04 | 23.00 | -0.171 |
| 18.0 | -89.13 | 24.00 | -0.202 |
| 20.0 | -90.49 | 26.00 | -0.229 |
| 22.0 | -89.82 | 29.00 | -0.246 |
| 23.0 | -104.72 | 33.00 | -0.258 |
| 23.2 | -190.43 | 38.00 | -0.265 |
| 24.0 | -193.46 | 42.00 | -0.270 |
| 25.0 | -195.19 | 46.00 | -0.273 |
| 26.0 | -192.43 | 50.00 | -0.274 |
| 27.0 | -191.53 | 55.00 | -0.274 |
| 28.5 | -190.86 | 60.00 | -0.274 |
| 30.0 | -190.65 | 65.00 | -0.280 |
| 32.0 | -190.44 | 70.00 | -0.281 |
| 35.0 | -190.58 | 71.00 | -0.309 |
| 37.0 | -190.44 | 72.00 | -0.325 |
| 40.0 | -189.26 | 73.50 | -0.337 |
| 43.0 | -189.40 | 88.00 | -0.420 |
| 46.0 | -189.79 | 90.00 | -0.425 |
| 50.0 | -191.52 | 93.00 | -0.433 |
| 55.0 | -191.52 | 97.70 | -0.442 |
| 60.0 | -191.52 | 110.00 | -0.473 |
| 65.0 | -191.26 | 115.00 | -0.479 |
| 70.5 | -189.59 | 120.00 | -0.486 |
| 71.0 | -805.31 | 121.77 | -0.487 |
| 72.1 | -803.65 | 134.40 | -0.508 |
| 72.5 | -803.99 | 138.00 | -0.509 |

| | | | |
|-------|---------|--------|--------|
| 73.0 | -803.68 | 142.00 | -0.512 |
| 74.0 | -810.76 | 147.00 | -0.515 |
| 76.0 | -810.76 | 156.44 | -0.521 |
| 78.0 | -810.76 | 160.00 | -0.528 |
| 80.0 | -810.76 | 164.00 | -0.533 |
| 82.0 | -810.76 | 168.28 | -0.534 |
| 85.0 | -810.76 | | |
| 90.0 | -803.44 | | |
| 95.0 | -801.00 | | |
| 100.0 | -809.85 | | |
| 105.0 | -809.85 | | |
| 110.0 | -815.23 | | |
| 115.0 | -806.86 | | |
| 120.5 | -804.70 | | |
| 122.0 | -803.57 | | |
| 125.0 | -803.57 | | |
| 130.0 | -803.57 | | |
| 135.0 | -810.76 | | |
| 140.0 | -802.16 | | |
| 145.0 | -802.54 | | |
| 150.0 | -798.49 | | |
| 155.0 | -798.49 | | |
| 160.0 | -798.27 | | |
| 164.0 | -792.99 | | |
| 168.3 | -795.29 | | |

| TO2AH001C 5-15cm | | | |
|-------------------------|--------------------|----------------------------|----------------------|
| Core base pressure head | | Drainage flux observations | |
| Time (hours) | Pressure head (cm) | Time (hours) | Cumulative Flux (cm) |
| 0.0 | -92.22 | 0.02 | -0.006 |
| 0.1 | -91.61 | 0.05 | -0.016 |
| 0.1 | -91.31 | 0.10 | -0.021 |
| 0.4 | -89.28 | 0.40 | -0.047 |
| 1.0 | -88.03 | 1.00 | -0.066 |
| 2.0 | -87.02 | 2.00 | -0.083 |
| 5.0 | -85.20 | 5.00 | -0.114 |
| 8.0 | -84.63 | 8.00 | -0.132 |
| 10.0 | -84.31 | 10.00 | -0.136 |
| 15.0 | -87.66 | 13.00 | -0.137 |
| 20.0 | -87.78 | 16.00 | -0.149 |
| 24.3 | -97.58 | 20.00 | -0.155 |
| 24.4 | -194.78 | 24.30 | -0.166 |
| 30.0 | -190.78 | 6.00 | -0.179 |
| 35.0 | -189.70 | 26.00 | -0.208 |
| 40.0 | -190.48 | 30.00 | -0.235 |

| | | | |
|-------|---------|--------|--------|
| 45.0 | -191.56 | 35.00 | -0.255 |
| 50.0 | -188.73 | 40.00 | -0.272 |
| 55.0 | -186.08 | 43.00 | -0.293 |
| 60.0 | -186.13 | 46.00 | -0.305 |
| 65.0 | -188.18 | 49.00 | -0.313 |
| 70.0 | -189.85 | 52.00 | -0.328 |
| 72.4 | -184.70 | 55.00 | -0.334 |
| 72.5 | -769.95 | 60.00 | -0.340 |
| 78.0 | -790.76 | 65.00 | -0.343 |
| 85.0 | -780.17 | 70.00 | -0.353 |
| 90.0 | -785.04 | 72.00 | -0.364 |
| 95.0 | -784.59 | 73.00 | -0.378 |
| 100.0 | -780.28 | 75.00 | -0.394 |
| 105.0 | -781.90 | 80.00 | -0.419 |
| 110.0 | -777.49 | 85.00 | -0.438 |
| 115.0 | -776.58 | 90.00 | -0.457 |
| 120.0 | -774.63 | 95.00 | -0.476 |
| 125.0 | -767.74 | 98.00 | -0.490 |
| 130.0 | -767.83 | 104.00 | -0.498 |
| 135.0 | -774.97 | 110.00 | -0.519 |
| 140.0 | -773.65 | 115.00 | -0.533 |
| 145.0 | -772.35 | 120.00 | -0.546 |
| 150.0 | -771.45 | 125.00 | -0.553 |
| 155.0 | -765.04 | 129.00 | -0.561 |
| 160.0 | -759.03 | 138.00 | -0.579 |
| 165.0 | -758.70 | 140.00 | -0.582 |
| 168.4 | -767.16 | 160.00 | -0.595 |
| | | 165.00 | -0.601 |
| | | 168.42 | -0.604 |

| TO2AH001C 30-40cm | | | |
|-------------------------|--------------------|----------------------------|----------------------|
| Core base pressure head | | Drainage flux observations | |
| Time (hours) | Pressure head (cm) | Time (hours) | Cumulative Flux (cm) |
| 0.01 | -97.26 | 0.02 | -0.040 |
| 0.10 | -92.67 | 0.10 | -0.070 |
| 0.20 | -91.29 | 0.20 | -0.090 |
| 0.30 | -90.35 | 0.30 | -0.104 |
| 0.40 | -89.75 | 0.40 | -0.115 |
| 0.50 | -88.94 | 0.50 | -0.124 |
| 0.60 | -88.39 | 0.60 | -0.132 |
| 1.10 | -86.31 | 1.10 | -0.161 |
| 1.60 | -85.07 | 1.60 | -0.179 |
| 2.10 | -83.90 | 2.10 | -0.191 |
| 2.60 | -83.71 | 2.60 | -0.199 |
| 3.10 | -83.22 | 3.10 | -0.204 |

| | | | |
|-------|---------|-------|--------|
| 4.10 | -99.95 | 4.10 | -0.211 |
| 5.10 | -92.99 | 5.10 | -0.222 |
| 6.10 | -92.82 | 6.10 | -0.228 |
| 7.10 | -92.85 | 7.10 | -0.232 |
| 8.10 | -93.22 | 8.10 | -0.233 |
| 10.10 | -93.79 | 10.10 | -0.235 |
| 12.10 | -93.95 | 12.10 | -0.236 |
| 14.10 | -94.06 | 14.10 | -0.238 |
| 16.10 | -101.21 | 16.10 | -0.242 |
| 18.10 | -102.07 | 18.10 | -0.249 |
| 22.10 | -104.07 | 22.10 | -0.248 |
| 26.10 | -191.65 | 26.10 | -0.323 |
| 30.10 | -189.89 | 30.10 | -0.346 |
| 34.10 | -189.55 | 34.10 | -0.356 |
| 39.09 | -188.94 | 39.09 | -0.362 |
| 39.19 | -189.04 | 39.19 | -0.362 |
| 39.29 | -188.94 | 39.29 | -0.362 |
| 39.39 | -188.84 | 39.39 | -0.362 |
| 39.49 | -188.74 | 39.49 | -0.363 |
| 39.59 | -188.74 | 39.59 | -0.363 |
| 40.09 | -188.31 | 40.09 | -0.363 |
| 40.59 | -188.31 | 40.59 | -0.365 |
| 41.09 | -191.58 | 41.09 | -0.361 |
| 41.59 | -191.30 | 41.59 | -0.366 |
| 42.09 | -189.74 | 42.09 | -0.365 |
| 43.09 | -188.34 | 43.09 | -0.368 |
| 44.09 | -190.27 | 44.09 | -0.367 |
| 45.09 | -191.01 | 45.09 | -0.369 |
| 46.09 | -188.84 | 46.09 | -0.370 |
| 47.09 | -188.81 | 47.09 | -0.369 |
| 49.09 | -189.99 | 49.09 | -0.369 |
| 49.89 | -190.66 | 49.89 | -0.369 |
| 62.19 | -190.66 | 62.19 | -0.369 |
| 65.09 | -190.00 | 65.09 | -0.383 |
| 68.04 | -189.33 | 68.04 | -0.384 |
| 68.14 | -189.33 | 68.14 | -0.384 |
| 68.44 | -188.79 | 68.44 | -0.385 |
| 68.54 | -189.09 | 68.54 | -0.384 |
| 69.04 | -189.10 | 69.04 | -0.384 |
| 69.54 | -188.72 | 69.54 | -0.384 |
| 70.04 | -188.49 | 70.04 | -0.385 |
| 70.54 | -188.02 | 70.54 | -0.385 |
| 71.04 | -806.15 | 71.04 | -0.394 |
| 72.04 | -804.60 | 72.04 | -0.410 |
| 73.04 | -804.44 | 73.04 | -0.422 |
| 73.89 | -811.53 | 73.89 | -0.426 |

| | | | |
|--------|---------|--------|--------|
| 85.90 | -824.54 | 85.90 | -0.517 |
| 86.04 | -818.34 | 86.04 | -0.519 |
| 90.04 | -802.10 | 90.04 | -0.541 |
| 94.04 | -796.89 | 94.04 | -0.553 |
| 97.88 | -807.89 | 97.88 | -0.562 |
| 108.74 | -808.00 | 109.74 | -0.593 |
| 112.04 | -807.72 | 112.04 | -0.599 |
| 118.04 | -802.38 | 118.04 | -0.613 |
| 121.89 | -800.81 | 121.89 | -0.620 |
| 134.29 | -800.81 | 134.80 | -0.640 |
| 136.04 | -806.57 | 136.04 | -0.641 |
| 142.04 | -797.91 | 142.04 | -0.650 |
| 147.28 | -795.24 | 147.28 | -0.655 |
| 156.43 | -805.13 | 156.43 | -0.667 |
| 160.04 | -794.50 | 160.04 | -0.671 |
| 168.28 | -791.43 | 168.28 | -0.682 |

| T13H001A 20-30cm | | | |
|-------------------------|--------------------|----------------------------|----------------------|
| Core base pressure head | | Drainage flux observations | |
| Time (hours) | Pressure head (cm) | Time (hours) | Cumulative Flux (cm) |
| 0.1 | -93.84 | 0.02 | -0.005 |
| 0.1 | -92.31 | 0.04 | -0.037 |
| 0.1 | -91.90 | 0.07 | -0.063 |
| 0.1 | -91.36 | 0.10 | -0.068 |
| 0.2 | -90.55 | 0.20 | -0.087 |
| 0.3 | -89.88 | 0.40 | -0.111 |
| 0.4 | -89.03 | 0.60 | -0.127 |
| 0.5 | -88.22 | 1.10 | -0.156 |
| 0.8 | -86.93 | 2.00 | -0.185 |
| 1.5 | -84.94 | 3.00 | -0.204 |
| 2.0 | -83.86 | 6.00 | -0.217 |
| 3.0 | -82.40 | 10.00 | -0.221 |
| 4.0 | -82.17 | 13.00 | -0.221 |
| 6.0 | -73.98 | 15.00 | -0.229 |
| 9.0 | -74.56 | 17.00 | -0.226 |
| 11.0 | -75.12 | 20.00 | -0.229 |
| 13.0 | -75.98 | 22.00 | -0.232 |
| 15.0 | -74.87 | 22.90 | -0.240 |
| 18.0 | -84.04 | 23.10 | -0.241 |
| 20.0 | -85.55 | 23.50 | -0.261 |
| 23.0 | -83.74 | 25.00 | -0.287 |
| 24.0 | -187.96 | 27.00 | -0.310 |
| 24.1 | -187.42 | 31.00 | -0.331 |
| 24.5 | -189.89 | 35.00 | -0.340 |
| 25.0 | -190.16 | 40.00 | -0.349 |

| | | | |
|-------|---------|--------|--------|
| 26.0 | -186.73 | 46.00 | -0.354 |
| 27.0 | -185.83 | 63.00 | -0.374 |
| 28.5 | -184.95 | 65.00 | -0.373 |
| 30.0 | -184.94 | 68.00 | -0.368 |
| 32.0 | -184.33 | 70.00 | -0.371 |
| 35.0 | -184.46 | 71.00 | -0.380 |
| 37.0 | -184.31 | 72.00 | -0.391 |
| 40.0 | -182.95 | 73.00 | -0.402 |
| 43.0 | -183.18 | 85.90 | -0.481 |
| 46.0 | -183.58 | 88.00 | -0.489 |
| 50.0 | -185.66 | 90.00 | -0.493 |
| 55.0 | -185.66 | 92.50 | -0.499 |
| 60.0 | -185.66 | 94.00 | -0.503 |
| 65.0 | -184.37 | 118.00 | -0.562 |
| 70.7 | -190.83 | 135.00 | -0.589 |
| 72.0 | -800.62 | 146.00 | -0.600 |
| 72.1 | -800.69 | 147.00 | -0.602 |
| 72.5 | -801.13 | 157.85 | -0.616 |
| 73.0 | -800.72 | 160.60 | -0.617 |
| 74.5 | -807.75 | 162.80 | -0.618 |
| 76.0 | -807.75 | 166.00 | -0.618 |
| 78.0 | -807.75 | 168.25 | -0.614 |
| 80.0 | -807.75 | | |
| 82.0 | -807.75 | | |
| 85.0 | -807.75 | | |
| 90.0 | -800.42 | | |
| 90.5 | -799.84 | | |
| 95.0 | -797.10 | | |
| 100.0 | -805.99 | | |
| 102.0 | -805.99 | | |
| 110.0 | -811.14 | | |
| 115.0 | -802.99 | | |
| 120.0 | -800.72 | | |
| 125.0 | -799.22 | | |
| 130.0 | -799.22 | | |
| 135.0 | -806.56 | | |
| 140.0 | -797.51 | | |
| 145.0 | -797.67 | | |
| 150.0 | -793.66 | | |
| 155.0 | -793.66 | | |
| 160.0 | -793.13 | | |
| 165.0 | -787.12 | | |
| 168.3 | -784.81 | | |

| T13H001C 30-40 | | | |
|-------------------------|--------------------|----------------------------|----------------------|
| Core base pressure head | | Drainage flux observations | |
| Time (hours) | Pressure head (cm) | Time (hours) | Cumulative Flux (cm) |
| 0.1 | -93.41 | 0.02 | -0.005 |
| 0.1 | -93.41 | 0.05 | -0.009 |
| 0.1 | -93.11 | 0.07 | -0.011 |
| 0.1 | -93.01 | 0.10 | -0.016 |
| 0.2 | -91.99 | 0.15 | -0.022 |
| 0.3 | -89.93 | 0.30 | -0.042 |
| 0.4 | -85.25 | 0.40 | -0.053 |
| 0.5 | -81.32 | 0.50 | -0.066 |
| 0.8 | -79.36 | 0.80 | -0.100 |
| 1.5 | -74.35 | 1.50 | -0.173 |
| 2.0 | -71.98 | 2.00 | -0.219 |
| 3.0 | -70.10 | 3.00 | -0.272 |
| 4.0 | -71.12 | 4.00 | -0.310 |
| 6.0 | -82.51 | 6.00 | -0.367 |
| 9.0 | -80.23 | 9.00 | -0.403 |
| 11.0 | -79.94 | 11.00 | -0.414 |
| 13.0 | -79.02 | 13.00 | -0.425 |
| 15.0 | -79.22 | 15.00 | -0.426 |
| 18.0 | -79.54 | 18.00 | -0.428 |
| 20.0 | -80.15 | 20.00 | -0.429 |
| 22.0 | -79.89 | 22.00 | -0.432 |
| 24.0 | -78.97 | 24.00 | -0.434 |
| 24.1 | -78.94 | 24.10 | -0.434 |
| 24.5 | -78.73 | 24.50 | -0.434 |
| 25.0 | -78.37 | 25.00 | -0.436 |
| 26.0 | -78.15 | 26.00 | -0.437 |
| 26.1 | -200.25 | 27.00 | -0.459 |
| 28.5 | -197.61 | 28.50 | -0.476 |
| 30.0 | -196.11 | 30.00 | -0.491 |
| 32.0 | -197.57 | 32.00 | -0.504 |
| 35.0 | -200.05 | 35.00 | -0.516 |
| 37.0 | -200.14 | 37.00 | -0.528 |
| 40.0 | -201.21 | 40.00 | -0.533 |
| 43.0 | -200.94 | 43.00 | -0.537 |
| 46.0 | -196.44 | 46.00 | -0.543 |
| 50.0 | -194.32 | 50.00 | -0.547 |
| 55.0 | -192.80 | 55.00 | -0.550 |
| 60.0 | -195.67 | 60.00 | -0.551 |
| 65.0 | -196.02 | 65.00 | -0.553 |
| 70.0 | -197.34 | 70.00 | -0.553 |
| 72.0 | -196.63 | 72.00 | -0.553 |
| 72.1 | -196.70 | 72.10 | -0.553 |
| 72.5 | -196.36 | 72.50 | -0.553 |

| | | | |
|-------|---------|--------|--------|
| 73.0 | -195.89 | 73.00 | -0.554 |
| 74.5 | -800.12 | 74.50 | -0.572 |
| 76.0 | -798.52 | 76.00 | -0.579 |
| 78.0 | -797.33 | 78.00 | -0.588 |
| 80.0 | -821.62 | 80.00 | -0.596 |
| 82.0 | -819.10 | 82.00 | -0.604 |
| 85.0 | -817.91 | 85.00 | -0.615 |
| 90.0 | -816.88 | 90.00 | -0.630 |
| 90.5 | -816.86 | 90.50 | -0.631 |
| 95.0 | -815.96 | 95.00 | -0.644 |
| 100.0 | -815.20 | 100.00 | -0.656 |
| 102.0 | -814.92 | 102.00 | -0.661 |
| 104.8 | -814.49 | 104.78 | -0.667 |

| T13H006A 30-40cm | | | |
|-------------------------|--------------------|----------------------------|----------------------|
| Core base pressure head | | Drainage flux observations | |
| Time (hours) | Pressure head (cm) | Time (hours) | Cumulative Flux (cm) |
| 0.1 | -97.52 | 0.10 | -0.053 |
| 1.0 | -95.27 | 0.20 | -0.061 |
| 2.0 | -93.24 | 0.30 | -0.065 |
| 3.0 | -91.99 | 0.50 | -0.076 |
| 4.0 | -91.14 | 1.00 | -0.096 |
| 5.0 | -90.29 | 1.50 | -0.115 |
| 6.0 | -90.52 | 2.00 | -0.129 |
| 7.0 | -91.24 | 3.00 | -0.147 |
| 8.0 | -91.76 | 4.00 | -0.159 |
| 9.0 | -92.89 | 5.00 | -0.170 |
| 10.0 | -93.53 | 7.00 | -0.180 |
| 11.0 | -93.91 | 9.00 | -0.185 |
| 12.0 | -92.86 | 11.00 | -0.190 |
| 13.0 | -93.13 | 15.00 | -0.200 |
| 14.0 | -92.73 | 17.00 | -0.201 |
| 15.0 | -92.50 | 21.00 | -0.189 |
| 16.0 | -92.67 | 23.00 | -0.192 |
| 17.0 | -92.53 | 23.50 | -0.192 |
| 18.0 | -94.25 | 23.60 | -0.192 |
| 19.0 | -94.66 | 23.80 | -0.198 |
| 20.0 | -93.73 | 25.00 | -0.207 |
| 21.0 | -92.66 | 26.00 | -0.217 |
| 22.0 | -92.16 | 27.00 | -0.226 |
| 23.6 | -91.66 | 28.00 | -0.241 |
| 23.7 | -202.24 | 29.00 | -0.248 |
| 24.0 | -201.81 | 30.00 | -0.256 |
| 25.0 | -201.23 | 32.00 | -0.270 |
| 26.0 | -200.52 | 34.00 | -0.269 |

| | | | |
|------|---------|--------|--------|
| 27.0 | -199.84 | 36.00 | -0.282 |
| 28.0 | -198.49 | 38.00 | -0.278 |
| 29.0 | -197.65 | 40.00 | -0.278 |
| 30.0 | -197.24 | 42.00 | -0.281 |
| 31.0 | -198.34 | 44.00 | -0.284 |
| 32.0 | -198.30 | 46.00 | -0.295 |
| 33.0 | -199.32 | 48.00 | -0.293 |
| 34.0 | -200.10 | 50.00 | -0.295 |
| 35.0 | -198.91 | 52.00 | -0.298 |
| 36.0 | -197.93 | 54.00 | -0.305 |
| 37.0 | -200.96 | 56.00 | -0.306 |
| 38.0 | -200.24 | 58.00 | -0.323 |
| 39.0 | -200.50 | 60.00 | -0.321 |
| 40.0 | -201.57 | 62.00 | -0.318 |
| 41.0 | -202.54 | 64.00 | -0.314 |
| 42.0 | -202.56 | 66.00 | -0.314 |
| 43.0 | -202.57 | 68.00 | -0.317 |
| 44.0 | -202.36 | 69.00 | -0.324 |
| 45.0 | -201.36 | 69.50 | -0.322 |
| 46.0 | -197.61 | 70.00 | -0.333 |
| 47.0 | -197.35 | 72.00 | -0.336 |
| 48.0 | -197.96 | 74.00 | -0.343 |
| 49.0 | -198.26 | 77.30 | -0.381 |
| 50.0 | -198.19 | 84.00 | -0.393 |
| 51.0 | -197.99 | 86.00 | -0.402 |
| 52.0 | -197.48 | 89.00 | -0.410 |
| 53.0 | -196.70 | 93.00 | -0.421 |
| 54.0 | -196.77 | 96.00 | -0.430 |
| 55.0 | -197.09 | 99.00 | -0.436 |
| 56.0 | -197.06 | 102.00 | -0.441 |
| 57.0 | -196.89 | 105.00 | -0.443 |
| 58.0 | -196.21 | 108.00 | -0.441 |
| 59.0 | -195.61 | 111.00 | -0.454 |
| 60.0 | -195.71 | 114.00 | -0.456 |
| 61.0 | -196.41 | 117.00 | -0.467 |
| 62.0 | -196.44 | 120.00 | -0.468 |
| 63.0 | -197.02 | 123.00 | -0.473 |
| 64.0 | -197.35 | | |
| 65.0 | -197.09 | | |
| 66.0 | -197.77 | | |
| 67.0 | -196.92 | | |
| 68.0 | -197.12 | | |
| 69.9 | -195.27 | | |
| 70.0 | -801.81 | | |
| 71.0 | -803.72 | | |
| 72.0 | -806.73 | | |

| | | | |
|-------|---------|--|--|
| 73.0 | -808.68 | | |
| 74.0 | -808.21 | | |
| 75.0 | -806.21 | | |
| 76.0 | -803.10 | | |
| 77.0 | -811.66 | | |
| 78.0 | -814.92 | | |
| 79.0 | -812.32 | | |
| 80.0 | -809.81 | | |
| 81.0 | -808.94 | | |
| 82.0 | -807.61 | | |
| 83.0 | -806.46 | | |
| 84.0 | -803.37 | | |
| 85.0 | -801.93 | | |
| 86.0 | -801.25 | | |
| 87.0 | -800.63 | | |
| 88.0 | -799.74 | | |
| 89.0 | -799.03 | | |
| 90.0 | -798.34 | | |
| 91.0 | -797.42 | | |
| 92.0 | -795.64 | | |
| 93.0 | -795.07 | | |
| 94.0 | -793.92 | | |
| 95.0 | -793.79 | | |
| 96.0 | -793.18 | | |
| 97.0 | -793.46 | | |
| 98.0 | -792.71 | | |
| 99.0 | -792.40 | | |
| 100.0 | -791.33 | | |
| 101.0 | -788.70 | | |
| 102.0 | -789.05 | | |
| 103.0 | -788.43 | | |
| 104.0 | -787.08 | | |
| 105.0 | -787.60 | | |
| 106.0 | -800.38 | | |
| 107.0 | -800.04 | | |
| 108.0 | -799.97 | | |
| 109.0 | -799.15 | | |
| 110.0 | -798.42 | | |
| 111.0 | -809.33 | | |
| 112.0 | -809.71 | | |
| 113.0 | -811.20 | | |
| 114.0 | -809.85 | | |
| 115.0 | -805.59 | | |
| 116.0 | -805.35 | | |
| 117.0 | -803.20 | | |
| 118.0 | -802.73 | | |

| | | | |
|-------|---------|--|--|
| 119.0 | -790.80 | | |
| 120.0 | -791.51 | | |
| 121.0 | -791.72 | | |
| 123.0 | -789.24 | | |

| T13H006B 30-40cm | | | |
|-------------------------|--------------------|----------------------------|----------------------|
| Core base pressure head | | Drainage flux observations | |
| Time (hours) | Pressure head (cm) | Time (hours) | Cumulative Flux (cm) |
| 0.0 | -93.04 | 0.05 | -0.005 |
| 0.1 | -86.32 | 0.07 | -0.027 |
| 0.3 | -90.91 | 0.10 | -0.027 |
| 0.3 | -90.91 | 0.30 | -0.045 |
| 0.5 | -89.90 | 0.50 | -0.078 |
| 1.0 | -102.51 | 1.00 | -0.086 |
| 1.5 | -102.51 | 1.50 | -0.094 |
| 2.0 | -102.48 | 2.00 | -0.099 |
| 3.0 | -95.22 | 3.00 | -0.102 |
| 5.0 | -98.48 | 5.00 | -0.106 |
| 7.0 | -109.21 | 7.00 | -0.118 |
| 9.0 | -110.46 | 9.00 | -0.124 |
| 11.0 | -110.75 | 11.00 | -0.129 |
| 13.0 | -109.94 | 13.00 | -0.130 |
| 15.0 | -111.98 | 15.00 | -0.132 |
| 17.0 | -107.74 | 20.00 | -0.133 |
| 18.0 | -107.49 | 25.00 | -0.131 |
| 35.0 | -97.18 | 30.00 | -0.128 |
| 40.0 | -98.32 | 35.00 | -0.129 |
| 41.0 | -90.92 | 40.00 | -0.128 |
| 42.5 | -90.95 | 42.50 | -0.134 |
| 43.0 | -188.19 | 43.00 | -0.143 |
| 44.0 | -186.64 | 44.00 | -0.161 |
| 45.0 | -185.49 | 45.00 | -0.173 |
| 46.0 | -184.35 | 46.00 | -0.186 |
| 47.0 | -183.58 | 47.00 | -0.194 |
| 49.0 | -193.59 | 49.00 | -0.201 |
| 50.0 | -192.59 | 50.00 | -0.209 |
| 52.0 | -195.98 | 52.00 | -0.214 |
| 54.0 | -197.79 | 54.00 | -0.226 |
| 56.0 | -198.75 | 56.00 | -0.238 |
| 58.0 | -200.59 | 58.00 | -0.244 |
| 60.0 | -202.58 | 60.00 | -0.248 |
| 63.0 | -203.67 | 63.00 | -0.255 |
| 66.0 | -198.91 | 66.00 | -0.261 |
| 69.0 | -193.77 | 69.00 | -0.262 |
| 72.0 | -192.55 | 72.00 | -0.267 |

| | | | |
|-------|---------|--------|--------|
| 75.0 | -192.00 | 75.00 | -0.267 |
| 80.0 | -194.24 | 80.00 | -0.268 |
| 84.0 | -197.62 | 84.00 | -0.268 |
| 88.0 | -197.31 | 88.00 | -0.272 |
| 90.0 | -195.81 | 90.00 | -0.273 |
| 91.0 | -194.21 | 91.00 | -0.272 |
| 91.2 | -765.46 | 91.20 | -0.296 |
| 92.0 | -797.42 | 92.00 | -0.302 |
| 93.0 | -792.56 | 93.00 | -0.311 |
| 94.0 | -791.30 | 94.00 | -0.314 |
| 96.0 | -788.22 | 96.00 | -0.323 |
| 98.0 | -785.99 | 98.00 | -0.331 |
| 100.0 | -784.49 | 100.00 | -0.335 |
| 103.0 | -797.01 | 103.00 | -0.344 |
| 106.0 | -800.83 | 106.00 | -0.352 |
| 109.0 | -797.56 | 109.00 | -0.361 |
| 112.0 | -810.61 | 112.00 | -0.368 |
| 115.0 | -780.92 | 115.00 | -0.373 |
| 118.0 | -781.89 | 118.00 | -0.380 |
| 121.0 | -764.68 | 121.00 | -0.384 |
| 124.0 | -793.34 | 124.00 | -0.386 |
| 127.0 | -806.06 | 127.00 | -0.389 |
| 130.0 | -803.91 | 130.00 | -0.393 |
| 135.0 | -799.66 | 135.00 | -0.399 |
| 140.0 | -797.79 | 140.00 | -0.406 |
| 145.0 | -780.44 | 145.00 | -0.411 |
| 150.0 | -787.93 | 150.00 | -0.411 |
| 155.0 | -791.54 | 155.00 | -0.417 |
| 160.0 | -794.66 | 160.00 | -0.421 |
| 165.0 | -780.27 | 165.00 | -0.425 |
| 170.0 | -776.44 | 170.00 | -0.427 |
| 175.0 | -793.71 | 175.00 | -0.431 |
| 180.0 | -797.40 | 180.00 | -0.436 |
| 185.0 | -785.21 | 185.00 | -0.442 |
| 190.0 | -774.75 | 190.00 | -0.445 |
| 195.0 | -774.09 | 195.00 | -0.446 |
| 200.0 | -776.75 | 200.00 | -0.450 |
| 205.0 | -777.03 | 205.00 | -0.452 |
| 210.0 | -779.72 | 210.00 | -0.454 |
| 213.0 | -784.43 | 213.00 | -0.457 |

| T13H006B 5-15 | | | |
|-------------------------|--------------------|----------------------------|----------------------|
| Core base pressure head | | Drainage flux observations | |
| Time (hours) | Pressure head (cm) | Time (hours) | Cumulative Flux (cm) |
| 0.0 | -93.55 | 0.02 | 0.000 |

| | | | |
|-------|---------|--------|--------|
| 0.1 | -92.03 | 0.05 | -0.024 |
| 0.1 | -88.67 | 0.10 | -0.079 |
| 0.4 | -83.39 | 0.40 | -0.156 |
| 1.0 | -80.62 | 0.70 | -0.182 |
| 2.0 | -78.89 | 1.00 | -0.198 |
| 5.0 | -77.26 | 2.00 | -0.225 |
| 8.0 | -92.06 | 5.00 | -0.256 |
| 10.0 | -91.53 | 8.00 | -0.277 |
| 15.0 | -94.84 | 10.00 | -0.285 |
| 20.0 | -95.34 | 13.00 | -0.291 |
| 24.2 | -96.05 | 16.00 | -0.295 |
| 24.5 | -195.41 | 19.00 | -0.297 |
| 30.0 | -193.84 | 24.20 | -0.297 |
| 35.0 | -193.79 | 24.50 | -0.306 |
| 40.0 | -195.61 | 27.00 | -0.322 |
| 45.0 | -198.06 | 30.00 | -0.330 |
| 50.0 | -196.54 | 35.00 | -0.334 |
| 55.0 | -194.69 | 40.00 | -0.337 |
| 60.0 | -195.05 | 43.00 | -0.339 |
| 65.0 | -197.45 | 46.00 | -0.341 |
| 70.0 | -199.60 | 49.00 | -0.341 |
| 72.4 | -195.24 | 52.00 | -0.341 |
| 73.0 | -801.22 | 55.00 | -0.342 |
| 80.0 | -793.66 | 60.00 | -0.342 |
| 85.0 | -784.76 | 65.00 | -0.344 |
| 90.0 | -790.64 | 70.00 | -0.343 |
| 95.0 | -791.02 | 72.40 | -0.345 |
| 100.0 | -787.59 | 73.00 | -0.351 |
| 105.0 | -789.94 | 75.00 | -0.354 |
| 110.0 | -785.66 | 80.00 | -0.363 |
| 115.0 | -785.64 | 85.00 | -0.368 |
| 120.0 | -784.48 | 90.00 | -0.372 |
| 125.0 | -778.99 | 95.00 | -0.379 |
| 130.0 | -781.62 | 98.00 | -0.380 |
| 135.0 | -789.33 | 104.00 | -0.385 |
| 140.0 | -790.14 | 110.00 | -0.389 |
| 145.0 | -783.81 | 115.00 | -0.392 |
| 150.0 | -780.67 | 120.00 | -0.394 |
| 155.0 | -776.31 | 125.00 | -0.395 |
| 160.0 | -771.42 | 129.00 | -0.398 |
| 165.0 | -772.13 | 138.00 | -0.398 |
| 168.4 | -782.19 | 140.00 | -0.398 |
| | | 145.00 | -0.399 |
| | | 150.00 | -0.399 |
| | | 155.00 | -0.400 |
| | | 160.00 | -0.400 |

| | | | |
|--|--|--------|--------|
| | | 165.00 | -0.400 |
| | | 168.42 | -0.406 |



3. Initial conditions testing tabulated results

| | | | | | | | | | | | | | | | | | | |
|---------|--------------|-------------|--------------|--------------|---------------|-------------|-------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|-------------|--------------|-------------|--------------|
| CTH-003 | 0-5 | 4.80 | 28.20 | 364.6 | 524.3 | 1.45 | 1.44 | 0.129 | 464.3 | 1.27 | 27.8% | 51.9% | 1.4% | 50.4% | 5.3% | 17.4% | 8.3 | 0.165 |
| | 5-10 | 5.15 | 22.90 | 391.2 | 553.6 | 1.43 | 1.42 | 0.096 | 505.2 | 1.29 | 34.5% | 51.3% | 1.7% | 49.7% | 4.0% | 11.3% | 5.8 | 0.124 |
| | 10-20 | 9.70 | 20.95 | 736.8 | 1087.7 | 1.49 | 1.48 | 0.092 | 996.4 | 1.35 | 35.6% | 49.0% | 1.5% | 47.5% | 4.0% | 7.9% | 7.7 | 0.124 |
| | 20-30 | 9.75 | 19.11 | 740.6 | 1045.4 | 1.43 | 1.41 | 0.081 | 967.5 | 1.31 | 38.5% | 50.7% | 1.6% | 49.2% | 3.4% | 7.3% | 7.1 | 0.105 |
| | 30-40 | 9.70 | 28.14 | 736.8 | 923.9 | 1.28 | 1.25 | 0.126 | 820.2 | 1.11 | 43.4% | 58.0% | 2.6% | 56.2% | 4.5% | 8.3% | 8.1 | 0.141 |
| | 40- | 3.00 | 25.41 | 227.9 | 278.3 | 1.25 | 1.22 | 0.112 | 250.3 | 1.10 | 42.5% | 58.6% | 2.7% | 56.8% | 3.9% | 10.3% | 3.1 | 0.123 |
| CTH-004 | 0-5 | 4.80 | 24.99 | 364.6 | 407.3 | 1.16 | 1.12 | 0.113 | 365.9 | 1.00 | 21.3% | 62.1% | 4.3% | 60.3% | 3.6% | 35.3% | 17.0 | 0.114 |
| | 5-10 | 5.00 | 26.50 | 379.8 | 498.0 | 1.35 | 1.31 | 0.121 | 444.3 | 1.17 | 38.3% | 55.9% | 4.4% | 54.2% | 4.5% | 11.3% | 5.7 | 0.141 |
| | 10-20 | 9.50 | 40.89 | 721.6 | 799.0 | 1.15 | 1.11 | 0.205 | 663.1 | 0.92 | 43.4% | 65.3% | 3.8% | 63.4% | 6.0% | 13.9% | 13.2 | 0.188 |
| | 20-30 | 10.00 | 36.32 | 759.5 | 881.8 | 1.24 | 1.16 | 0.179 | 748.2 | 0.99 | 45.1% | 62.8% | 8.4% | 60.9% | 5.6% | 10.2% | 10.2 | 0.176 |
| | 30-40 | 9.20 | 23.51 | 698.8 | 1008.5 | 1.46 | 1.44 | 0.096 | 920.5 | 1.32 | 32.7% | 50.3% | 1.9% | 48.8% | 4.0% | 12.1% | 11.1 | 0.126 |
| | 40- | 5.30 | 23.79 | 402.6 | 596.8 | 1.53 | 1.48 | 0.101 | 542.2 | 1.35 | 31.2% | 49.2% | 5.2% | 47.7% | 4.3% | 12.2% | 6.5 | 0.136 |
| CTH-005 | 0-5 | 4.90 | 39.35 | 372.2 | 523.1 | 1.53 | 1.41 | 0.202 | 435.2 | 1.17 | 37.3% | 55.9% | 12.6% | 54.2% | 7.6% | 9.3% | 4.6 | 0.236 |
| | 5-10 | 5.20 | 28.53 | 395.0 | 432.1 | 1.17 | 1.09 | 0.128 | 383.1 | 0.97 | 39.2% | 63.4% | 7.7% | 61.5% | 4.0% | 18.3% | 9.5 | 0.124 |
| | 10-20 | 9.80 | 35.75 | 744.3 | 827.3 | 1.26 | 1.11 | 0.170 | 706.8 | 0.95 | 47.6% | 64.2% | 14.5% | 62.2% | 5.2% | 9.5% | 9.3 | 0.162 |
| | 20-30 | 10.10 | 30.94 | 767.1 | 885.6 | 1.26 | 1.15 | 0.139 | 777.6 | 1.01 | 50.3% | 61.8% | 10.6% | 59.9% | 4.5% | 5.1% | 5.1 | 0.141 |
| | 30-40 | 9.80 | 30.66 | 744.3 | 959.2 | 1.48 | 1.29 | 0.141 | 840.7 | 1.13 | 49.3% | 57.4% | 19.0% | 55.7% | 5.1% | 1.3% | 1.2 | 0.159 |
| | 40- | 4.10 | 23.65 | 311.4 | 418.4 | 1.45 | 1.34 | 0.102 | 379.5 | 1.22 | 46.6% | 54.0% | 10.3% | 52.4% | 4.0% | 1.8% | 0.7 | 0.125 |
| CTH-006 | 0-5 | 4.70 | 48.68 | 357.0 | 512.0 | 1.48 | 1.43 | 0.251 | 409.3 | 1.15 | 33.2% | 56.7% | 4.9% | 55.0% | 9.2% | 12.6% | 5.9 | 0.288 |
| | 5-10 | 4.90 | 38.72 | 372.2 | 442.4 | 1.22 | 1.19 | 0.196 | 369.8 | 0.99 | 35.6% | 62.5% | 3.2% | 60.6% | 6.2% | 18.7% | 9.2 | 0.195 |
| | 10-20 | 10.20 | 34.06 | 774.7 | 997.9 | 1.33 | 1.29 | 0.162 | 859.2 | 1.11 | 36.1% | 58.2% | 3.9% | 56.4% | 5.7% | 14.6% | 14.9 | 0.179 |
| | 20-30 | 9.70 | 39.29 | 736.8 | 955.9 | 1.41 | 1.30 | 0.195 | 800.1 | 1.09 | 44.2% | 59.0% | 11.1% | 57.2% | 6.8% | 6.3% | 6.1 | 0.211 |
| | 30-40 | 9.90 | 45.84 | 751.9 | 834.8 | 1.37 | 1.11 | 0.245 | 670.7 | 0.89 | 51.4% | 66.3% | 26.1% | 64.3% | 7.0% | 6.0% | 5.9 | 0.218 |
| | 40- | 5.20 | 41.79 | 395.0 | 437.7 | 1.45 | 1.11 | 0.207 | 362.8 | 0.92 | 51.4% | 65.3% | 34.5% | 63.4% | 6.1% | 5.9% | 3.1 | 0.190 |
| CTH-008 | 0-5 | 3.70 | 59.85 | 281.0 | 321.6 | 1.21 | 1.14 | 0.360 | 236.5 | 0.84 | 14.7% | 68.2% | 7.0% | 66.2% | 9.7% | 41.8% | 15.5 | 0.303 |
| | 5-10 | 4.70 | 26.49 | 357.0 | 369.4 | 1.17 | 1.03 | 0.115 | 331.4 | 0.93 | 22.3% | 65.0% | 14.0% | 63.0% | 3.4% | 37.3% | 17.5 | 0.107 |
| | 10-20 | 10.10 | 16.22 | 767.1 | 760.0 | 1.09 | 0.99 | 0.065 | 713.9 | 0.93 | 26.3% | 64.9% | 10.3% | 62.9% | 1.9% | 34.7% | 35.1 | 0.060 |
| | 20-30 | 9.60 | 25.40 | 729.2 | 775.8 | 1.09 | 1.06 | 0.112 | 697.6 | 0.96 | 40.8% | 63.9% | 3.0% | 62.0% | 3.4% | 17.8% | 17.1 | 0.107 |
| | 30-40 | 7.70 | 38.43 | 584.8 | 610.9 | 1.09 | 1.04 | 0.188 | 514.3 | 0.88 | 44.6% | 66.8% | 4.2% | 64.8% | 5.3% | 15.0% | 11.5 | 0.165 |
| | 40- | | | | | | | | | | | | | | | | | |
| CTH-009 | 0-5 | 4.90 | 29.53 | 372.2 | 442.3 | 1.23 | 1.19 | 0.132 | 390.7 | 1.05 | 30.7% | 60.4% | 4.3% | 58.6% | 4.4% | 23.4% | 11.5 | 0.139 |
| | 5-10 | 5.00 | 39.30 | 379.8 | 485.4 | 1.32 | 1.28 | 0.183 | 410.4 | 1.08 | 42.5% | 59.2% | 4.2% | 57.4% | 6.3% | 8.6% | 4.3 | 0.197 |
| | 10-20 | 9.70 | 38.62 | 736.8 | 827.3 | 1.33 | 1.12 | 0.191 | 694.4 | 0.94 | 51.1% | 64.4% | 20.3% | 62.5% | 5.8% | 5.6% | 5.5 | 0.180 |
| | 20-30 | 9.70 | 47.84 | 736.8 | 910.3 | 1.40 | 1.24 | 0.240 | 734.4 | 1.00 | 48.5% | 62.4% | 16.4% | 60.5% | 7.6% | 4.3% | 4.2 | 0.239 |
| | 30-40 | 9.80 | 32.90 | 744.3 | 901.0 | 1.42 | 1.21 | 0.150 | 783.7 | 1.05 | 48.5% | 60.3% | 21.4% | 58.5% | 5.0% | 5.0% | 4.9 | 0.158 |
| | 40- | 3.25 | 36.85 | 246.9 | 282.5 | 1.32 | 1.14 | 0.176 | 240.3 | 0.97 | 55.9% | 63.3% | 17.7% | 61.4% | 5.5% | 0.0% | 0.0 | 0.171 |

| | | | | | | | | | | | | | | | | | | |
|---------|--------------|--------------|--------------|--------------|---------------|-------------|-------------|--------------|---------------|-------------|--------------|--------------|--------------|--------------|-------------|-------------|------------|--------------|
| CTH-011 | 0-5 | 4.80 | 39.64 | 364.6 | 435.1 | 1.21 | 1.19 | 0.203 | 361.5 | 0.99 | 28.4% | 62.6% | 1.4% | 60.7% | 6.5% | 25.9% | 12.4 | 0.202 |
| | 5-10 | 4.90 | 34.48 | 372.2 | 467.8 | 1.27 | 1.26 | 0.159 | 403.5 | 1.08 | 32.0% | 59.1% | 1.7% | 57.3% | 5.5% | 19.8% | 9.7 | 0.173 |
| | 10-20 | 9.75 | 31.59 | 740.6 | 1026.2 | 1.39 | 1.39 | 0.152 | 890.9 | 1.20 | 36.3% | 54.6% | 0.8% | 53.0% | 5.8% | 10.8% | 10.6 | 0.183 |
| | 20-30 | 9.60 | 32.44 | 729.2 | 1016.9 | 1.43 | 1.39 | 0.145 | 888.0 | 1.22 | 40.7% | 54.0% | 3.6% | 52.4% | 5.7% | 6.0% | 5.8 | 0.177 |
| | 30-40 | 9.60 | 45.96 | 729.2 | 990.0 | 1.47 | 1.36 | 0.243 | 796.5 | 1.09 | 47.5% | 58.8% | 11.6% | 57.0% | 8.5% | 1.0% | 1.0 | 0.265 |
| | 40- | | | | | | | | | | | | | | | | | |
| CTH-013 | 0-5 | 4.70 | 40.68 | 357.0 | 388.9 | 1.19 | 1.09 | 0.205 | 322.8 | 0.90 | 37.4% | 65.9% | 10.5% | 63.9% | 5.9% | 20.5% | 9.7 | 0.185 |
| | 5-10 | 5.00 | 54.59 | 379.8 | 295.6 | 0.97 | 0.78 | 0.315 | 224.8 | 0.59 | 50.0% | 77.7% | 19.3% | 75.3% | 6.0% | 19.4% | 9.7 | 0.186 |
| | 10-20 | 9.70 | 39.21 | 736.8 | 716.1 | 1.08 | 0.97 | 0.196 | 598.8 | 0.81 | 41.0% | 69.3% | 10.5% | 67.3% | 5.1% | 21.1% | 20.5 | 0.159 |
| | 20-30 | 10.00 | 30.66 | 759.5 | 852.9 | 1.29 | 1.12 | 0.143 | 746.2 | 0.98 | 46.0% | 62.9% | 16.8% | 61.0% | 4.5% | 10.5% | 10.5 | 0.140 |
| | 30-40 | 10.20 | 37.23 | 774.7 | 1075.1 | 1.52 | 1.39 | 0.183 | 908.8 | 1.17 | 40.0% | 55.7% | 13.3% | 54.1% | 6.9% | 7.2% | 7.3 | 0.215 |
| | 40- | 2.30 | 28.51 | 174.7 | 241.9 | 1.40 | 1.38 | 0.129 | 214.2 | 1.23 | 38.4% | 53.7% | 1.8% | 52.1% | 5.1% | 8.7% | 2.0 | 0.159 |
| CTH-014 | 0-5 | 4.90 | 31.16 | 372.2 | 490.1 | 1.37 | 1.32 | 0.143 | 428.7 | 1.15 | 35.7% | 56.5% | 5.4% | 54.8% | 5.3% | 13.9% | 6.8 | 0.165 |
| | 5-10 | 4.90 | 35.34 | 372.2 | 440.5 | 1.24 | 1.18 | 0.168 | 377.2 | 1.01 | 38.1% | 61.8% | 5.9% | 59.9% | 5.4% | 16.4% | 8.0 | 0.170 |
| | 10-20 | 10.25 | 30.39 | 778.5 | 897.3 | 1.36 | 1.15 | 0.137 | 789.4 | 1.01 | 42.1% | 61.7% | 21.1% | 59.9% | 4.4% | 13.3% | 13.7 | 0.139 |
| | 20-30 | 10.25 | 34.88 | 778.5 | 913.2 | 1.49 | 1.17 | 0.160 | 787.2 | 1.01 | 48.5% | 61.8% | 31.8% | 60.0% | 5.2% | 6.3% | 6.4 | 0.162 |
| | 30-40 | 10.00 | 38.08 | 759.5 | 911.6 | 1.40 | 1.20 | 0.184 | 769.7 | 1.01 | 50.2% | 61.8% | 20.4% | 59.9% | 6.0% | 3.7% | 3.7 | 0.187 |
| | 40- | 2.70 | 38.94 | 205.1 | 226.0 | 1.26 | 1.10 | 0.190 | 189.9 | 0.93 | 49.8% | 65.1% | 16.2% | 63.1% | 5.6% | 7.7% | 2.1 | 0.176 |
| CTH-017 | 0-5 | 4.00 | 45.99 | 303.8 | 386.2 | 1.39 | 1.27 | 0.230 | 314.0 | 1.03 | 39.2% | 61.0% | 11.8% | 59.2% | 7.6% | 12.3% | 4.9 | 0.238 |
| | 5-10 | 5.50 | 45.79 | 417.7 | 380.8 | 1.04 | 0.91 | 0.237 | 308.0 | 0.74 | 38.9% | 72.2% | 13.3% | 70.0% | 5.6% | 25.6% | 14.1 | 0.174 |
| | 10-20 | 10.10 | 36.02 | 767.1 | 832.3 | 1.33 | 1.08 | 0.170 | 711.5 | 0.93 | 41.1% | 65.0% | 24.4% | 63.0% | 5.0% | 16.9% | 17.1 | 0.157 |
| | 20-30 | 10.20 | 25.35 | 774.7 | 1068.2 | 1.61 | 1.38 | 0.110 | 962.2 | 1.24 | 37.6% | 53.1% | 22.7% | 51.5% | 4.4% | 9.5% | 9.7 | 0.137 |
| | 30-40 | 10.30 | 26.36 | 782.3 | 1210.6 | 1.79 | 1.55 | 0.116 | 1085.2 | 1.39 | 39.7% | 47.7% | 24.6% | 46.2% | 5.1% | 1.4% | 1.5 | 0.160 |
| | 40- | 4.10 | 35.55 | 311.4 | 421.6 | 1.49 | 1.35 | 0.172 | 359.8 | 1.16 | 47.5% | 56.4% | 13.4% | 54.7% | 6.3% | 0.9% | 0.4 | 0.198 |
| CTH-018 | 0-5 | 4.90 | 27.70 | 372.2 | 475.8 | 1.29 | 1.28 | 0.125 | 423.1 | 1.14 | 28.8% | 57.1% | 1.3% | 55.4% | 4.5% | 22.1% | 10.8 | 0.142 |
| | 5-10 | 4.60 | 29.26 | 349.4 | 400.6 | 1.16 | 1.15 | 0.128 | 355.1 | 1.02 | 35.5% | 61.6% | 1.4% | 59.8% | 4.2% | 20.1% | 9.3 | 0.130 |
| | 10-20 | 9.80 | 23.56 | 744.3 | 937.4 | 1.35 | 1.26 | 0.100 | 852.1 | 1.14 | 41.7% | 56.8% | 9.4% | 55.1% | 3.7% | 9.7% | 9.5 | 0.115 |
| | 20-30 | 10.00 | 35.30 | 759.5 | 858.5 | 1.28 | 1.13 | 0.172 | 732.7 | 0.96 | 51.1% | 63.6% | 14.7% | 61.7% | 5.3% | 5.3% | 5.3 | 0.166 |
| | 30-40 | 9.90 | 33.63 | 751.9 | 915.5 | 1.43 | 1.22 | 0.160 | 789.1 | 1.05 | 50.4% | 60.4% | 21.4% | 58.6% | 5.4% | 2.8% | 2.8 | 0.168 |
| | 40- | 3.05 | 23.21 | 231.7 | 302.5 | 1.39 | 1.31 | 0.100 | 275.0 | 1.19 | 47.4% | 55.2% | 8.8% | 53.5% | 3.8% | 2.4% | 0.7 | 0.118 |