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Äspö Hard Rock Laboratory

Prototype Repository

Hydrogeology – diaper measurements in DA3551G01 and DA3545G01, flow measurements in section II and tunnel G, past grouting activities

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January 2005

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Laboratory

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Keywords: Äspö HRL, Prototype Repository, Hydrogeology, Hydraulic tests, Pressure build-up tests, Hydraulic parameters, Transmissivity, Storage coefficient

This report concerns a study which was conducted for SKB. The conclusions and viewpoints presented in the report are those of the author(s) and do not necessarily coincide with those of the client.

Abstract

The Äspö Hard Rock Laboratory (HRL) is located in the Simpevarp area, southeast Sweden, some 35 km north of Oskarshamn. Construction of the underground laboratory commenced in 1990 and was completed in 1995, consisting of a 3.6 km long tunnel excavated in crystalline rock to a depth of approximately 460 m. Prior to, during and subsequent to completion, research concerning the deep geological disposal of nuclear waste in fractured crystalline rock has been carried out. Central to this research has been the characterisation of the groundwater flow system and the chemistry of the groundwater at Äspö prior to excavation (Pre-investigation Phase) and subsequently to monitor changes in these parameters during the evolution of laboratory construction (Construction Phase).

The Prototype Repository Test is focused on testing and demonstrating the function of the SKB deep repository system. Activities aimed at contributing to development and testing of the practical, engineering measures required to rationally perform the steps of a deposition sequence are also included in the project but are also part of other projects.

This report describes

- Diaper measurements of two canister holes DA3545G01 and DA3551G01
- Flow measurements in tunnel A and tunnel G
- past grouting activities close to the prototype repository
- grouting activities close to Plug 1 and Plug 2

The status of the done measurements and flow measurements in weirs are updated until October 31, 2004.

The report is intended to describe results from the characterisation stage that were not possible to incorporate in the summary report of the characterisation stage.

Sammanfattning

Äspölaboratoriet är lokaliserat i Simpevarpsregionen i sydöstra Sverige, ca 35 km norr om Oskarshamn. Byggandet av underjordslaboratoriet, som påbörjades 1990 och färdigställdes 1995, består av en 3.6 km lång tunnel utsprängd och borrad i kristallin berggrund ner till ett djup av ca 460m. Innan, under och efter färdigställandet av laboratoriet har forskning genomförts som rör djupförvar av kärnavfall i kristallin berggrund. Centralt för denna forskning har varit karakteriseringen av grundvattenflödessystemet och grundvattenkemin vid Äspö innan tunnelbygget (Förundersökningsfas) och att därefter följa upp dessa parametrar under byggandet av laboratoriet (Konstruktionsfas).

Huvudsyftet med prototypförvaret är att testa och demonstrera funktionen av en del av SKB:s djupförvars system. Aktiviteter som syftar till utveckling och försök av praktiska och ingenjörsmässiga lösningar, som krävs för att på ett rationellt sätt kunna stegvis utföra deponeringen av kapslar med kärnbränsle, är inkluderade i prototypförvarsprojektet men även i andra projekt.

Denna rapport behandlar

- Detaljerade flödesmätningar i depositionshål DA3545G01 och DA3551G01
- Flödesmätningar i tunnel A och i tunnel G
- Historiska injekteringsinsatser av bergmassan i närheten av prototypförvaret
- Injekteringar runt plugg 1 och 2

Genomförda mätningar är uppdaterade till och med 2004-10-31.

Rapporten avses behandla resultat från förundersökningsfasen som inte var möjliga att rapporteras av i sammanfattningsrapporten för förundersökningarna.

Executive summary

The Äspö Hard Rock Laboratory (HRL) is located in the Simpevarp area, southeast Sweden, some 35 km north of Oskarshamn. Construction of the underground laboratory commenced in 1990 and was completed in 1995, consisting of a 3.6 km long tunnel excavated in crystalline rock to a depth of approximately 460 m. Prior to, during and subsequent to completion, research concerning the deep geological disposal of nuclear waste in fractured crystalline rock has been carried out. Central to this research has been the characterisation of the groundwater flow system and the chemistry of the groundwater at Äspö prior to excavation (Pre-investigation Phase) and subsequently to monitor changes in these parameters during the evolution of laboratory construction (Construction Phase).

The Prototype Repository Test is focused on testing and demonstrating the function of the SKB deep repository system. Activities aimed at contributing to development and testing of the practical, engineering measures required to rationally perform the steps of a deposition sequence are also included in the project but are also part of other projects.

This report describes

- Diaper measurements of two canister holes DA3545G01 and DA3551G01
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- past grouting activities close to the prototype repository
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The status of the done measurements and flow measurements in weirs are updated until October 31, 2004.

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1 Background

1.1 Äspö Hard Rock Laboratory

In order to prepare for the siting and licensing of a spent fuel repository SKB has constructed an underground research laboratory.

In the autumn of 1990, SKB began the construction of Äspö Hard Rock Laboratory (Äspö HRL), see Figure 1-1, near Oskarshamn in the south-eastern part of Sweden. A 3.6 km long tunnel was excavated in crystalline rock down to a depth of approximately 460 m.

The laboratory was completed in 1995 and research concerning the disposal of nuclear waste in crystalline rock has since been carried out.

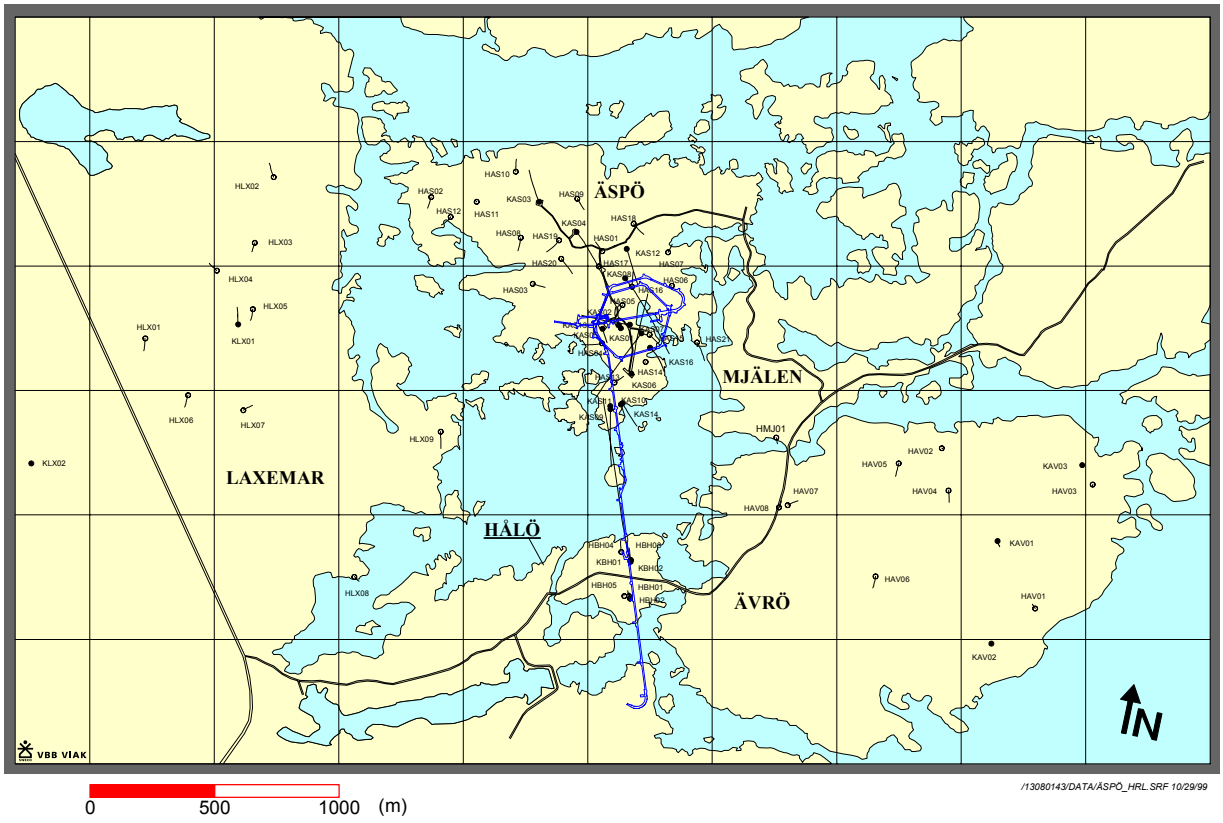

Figure 1-1. *Äspö Hard Rock Laboratory*

1.2 Prototype repository

The Äspö Hard Rock Laboratory is an essential part of the research, development, and demonstration work performed by SKB in preparation for construction and operation of the deep repository for spent fuel. Within the scope of the SKB program for RD&D 1995, SKB has decided to carry out a project with the designation “Prototype Repository Test“. The aim of the project is to test important components in the SKB deep repository system in full scale and in a realistic environment.

The Prototype Repository Test is focused on testing and demonstrating the function of the SKB deep repository system. Activities aimed at contributing to development and testing of the practical, engineering measures required to rationally perform the steps of a deposition sequence are also included. However, efforts in this direction are limited, since these matters are addressed in the Demonstration of Repository Technology project and to some extent in the Backfill and Plug Test.

1.2.1 General objectives

The Prototype Repository should simulate, in as many aspects as possible, a real repository, regarding for example geometry, materials, and rock environment. The Prototype Repository is a demonstration of the integrated function of the repository components. Results will be compared with conceptual and numerical models and assumptions to their validity.

The major objectives for the Prototype Repository are:

- To test and demonstrate the integrated function of the repository components under realistic conditions in full scale and to compare results with conceptual and numerical models and assumptions.
- To develop, test and demonstrate appropriate engineering standards and quality assurance methods.
- To simulate appropriate parts of the repository design and construction process.
- To provide a full-scale reference for testing/scrutinization of models, experiments and assumptions

The objectives for the characterisation program are:

- To provide a basis for determination of localisation of the deposition holes
- To provide data on boundary and rock conditions to enable interpretation of the experimental data

1.2.2 Characterisation stages

The characterisation will be made in three stages. Each stage is intended to contribute to more details useful for the determination of the localisation of the deposition holes and also the boundary and rock conditions needed for the interpretation of the experimental data. The three stages are:

1. Mapping of the tunnel
2. Pilot and exploratory holes
3. Deposition holes

This report describes the inflow measurements into the prototype tunnel, to the deposition boreholes and to the lead-through boreholes. It also details the pressure responses observed during the drilling of the deposition- and lead-through boreholes as well as the results from four pressure build-up tests made in the three lead-through boreholes. Pressure responses from blasting niches for the plugs are shown, discussed and are also included in the document.

2 Objective

The Prototype Repository should simulate a real repository in as many aspects as possible, regarding geometry, materials and rock environment. The Prototype Repository is a demonstration of the integrated function of the repository components. Results will be compared with models and assumptions to their validity.

The objectives for the pressure response observations during the drilling of the deposition boreholes and the inleakage measurements in the tunnel and into the deposition boreholes are:

- To provide data for the estimation of the wetting process of the bentonite clay surrounding the canisters
- To provide data for the structure model of the rock volume around the prototype repository
- To provide data for the numerical groundwater flow modeling

The objectives of the pressure response observations during the drilling of the lead-through boreholes and of the hydraulic tests in the holes are:

- To detect any hydraulic connections with already existing boreholes and thus provide additional data to the structure model
- To hydraulically characterise the boreholes before the planned grouting

The objectives, of the pressure response observations during the blasting of the niches for the plugs in the Prototype tunnel, are:

- To provide data to evaluate possible pressure changes and their cause in monitored sections around the Prototype tunnel

The report is intended to describe results from the characterisation stage that were not possible to incorporate in the summary report of the characterisation stage, (Rhén, Forsmark, 2001).

3 Scope

In the prototype repository tunnel floor, six 1.75 meter wide deposition holes have been drilled. From the G-tunnel, which runs on the north side of the prototype tunnel, three lead-through boreholes have been drilled and tested.

Inleakage measurements of the boreholes have been made during three measurement campaigns. Each deposition borehole has been mapped in regard to inflow features and these have been monitored in detail. In two of the deposition boreholes a very detailed inflow measurement was done during the winter of 2002. The results are presented in chapter 4.

Inleakage rates to different tunnel parts are made. In this report in chapter 5 the leaking rate close to plug 1, the inflow rate to slit 2, the flowrate downstream of plug 2 and the flowrate to tunnel G is presented.

In chapter 6 known grouting activities from 1994 up to present day are detailed.

4 Deposition boreholes

4.1 Diaper measurement inflow rate to prototype repository deposition borehole KA3551G01

Ordinary baby diapers were applied to a plank. A total of 8 diapers were applied in a row to each of 78 planks. Each diaper was weighted before applying to the plank. All of the plank-diaper arrangements were then applied tight to the borehole wall. The first 39 were applied vertically at level 4.60 – 7.60 meters and the last 25 were applied vertically at level 1.30 – 4.30 meters. After the end of the period each diaper was again weighted to be able to estimate the inflow to each diaper. Measurement data is detailed in Appendix 1.

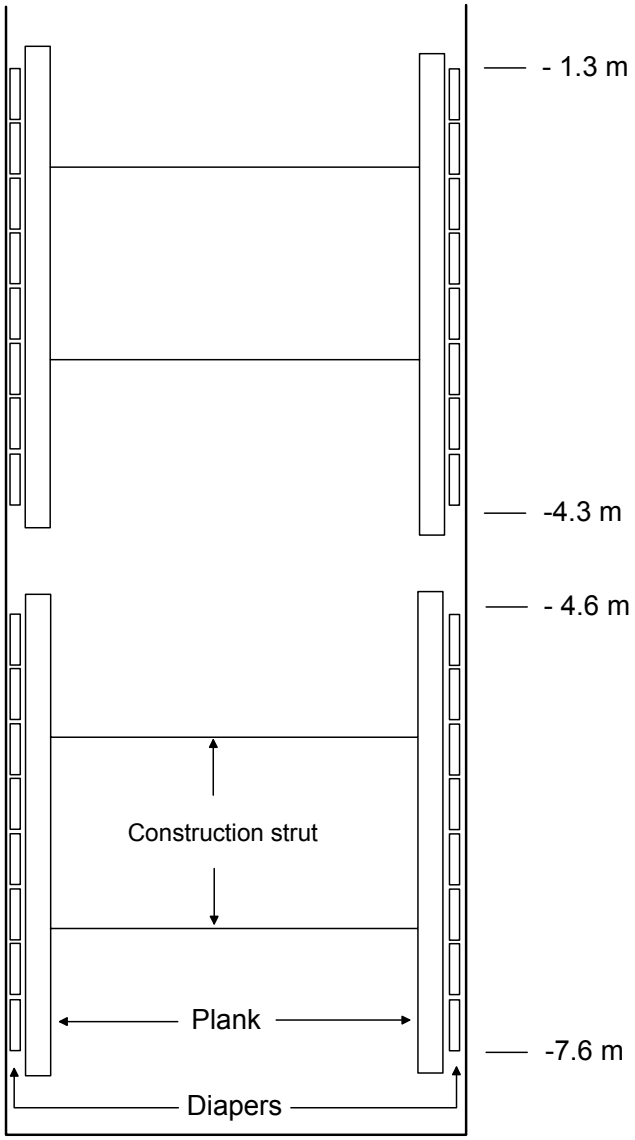

Figure 4-1. *Diaper measurement arrangement in DA3551G01*

A detailed flow measurement was done in DA3551G01 2002-01-09 to 2002-01-17. Due to leakage from a tunnel wall hole 13 plank rows were re-measured 2002-01-18 to 2002-01-24.

To be able to estimate the effect of the background humidity on water content in the diaper some reference diapers were used at different levels in the borehole. The results of these reference measurements are that the reference diapers increased its weight by 4.5 to 7.6 grams giving an average increase of 5.57 grams. Three of the diapers were hanging free in the air at levels 6 m, 4 m and 2 m below tunnel floor in the borehole. Three diapers was mounted in the centre of the hole at a level of 4 meter below tunnel floor and covered with a steel plate on both sides. Eight diapers were mounted on the outside of a plank in row 1, 10, 20 and 30 respectively at both the upper and the lower level.

A simple test was carried out to see how much water a diaper could absorb. With 200 g water the diaper felt moist, and with 300 g it was possible to squeeze the water out of the diaper. Considering the increase of the water content in the diapers nearly none of the diapers became saturated during the experiment, see Appendix 1.

A weight increase of 0 – 1 grams is considered as uncertain, giving that an increase of 1 gram could represent a “zero” flow as well as flow causing an increase of 1 gram. A 1 gram increase during one week gives a flow of $1 \cdot 10^{-7}$ L/min. This flow is therefor set as the measurement limit of this methodology.

Each diaper covered an area of 0.03465 (0.11 x 0.315) m^2. The distance between the planks is approximately 0.05 meters.

The planks were mounted clock-wise along the circumference of the borehole. Plank 1 was situated in the centreline of the tunnel facing east towards the tunnel opening.

In Figure 4-2 the result is shown graphically together with the geological mapping of structures and inleaking locations. Leakage points are numbered 1 – 9.

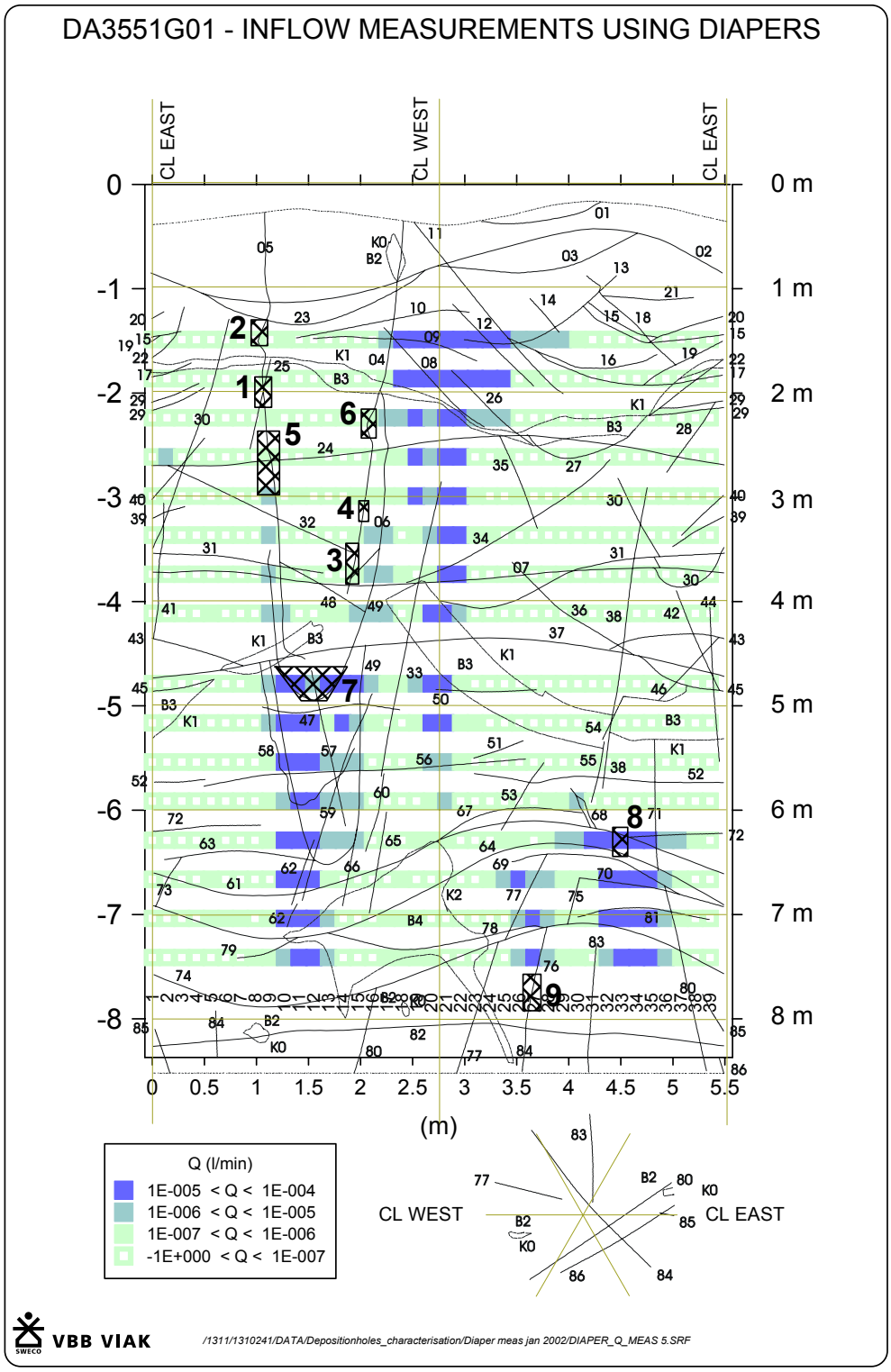

***Figure 4-2**. Inflow measurements using diapers in DA3551G01.*

In total the measurement gives an estimated borehole flow of $3 \cdot 10^{-3}$ L/min. In the calculation the total measured flow (water absorbed by diapers) is $1.6 \cdot 10^{-4}$ L/min. Taken into account that parts of the borehole is not covered by diapers this flow was upscaled by a factor 2. The estimated flow is a factor 2 larger than earlier whole borehole measurements (Rhen, Forsmark, 2001) have indicated but still is within the same order of magnitude as earlier measurements.

If the pressure in the rock mass is known the measured flow can be translated to a hydraulic conductivity. To be able to estimate a relevant pressure, measured pressures in existing boreholes close to the deposition holes were utilised to develop a relationship between the distance between the deposition borehole centre and the pressure at a location in the rockmass outside the borehole wall. In Table 4-1 the utilised pressures are presented together with the distance to the centre of the closest deposition borehole.

Table 4-1 Utilized pressures when developing a relationship between the horizontal distance between the deposition borehole centre and and the pressure at a location in the rockmass outside the borehole wall. Pressures for the inner section are from July 1999 and for the outer section from January 2000.

Borehole	Secup (m)	Seclow (m)	R (m)	P (m)
KA3539G:1	19.30	30.01	6.82	262.0
KA3539G:2	9.80	18.30	6.82	262.0
KA3539G:3	1.30	8.80	6.82	205.0
KA3544G01:1	6.30	12.00	1.17	227.5
KA3544G01:2	1.30	5.30	1.17	101.0
KA3546G01:1	6.80	12.00	1.18	12.8
KA3546G01:2	1.30	5.80	1.18	6.5
KA3548G01:1	0.30	12.01	3.00	8.4
KA3550G01:1	6.30	12.03	1.18	5.2
KA3550G01:2	1.30	5.30	1.18	6.5
KA3552G01:1	8.80	12.01	1.18	48.0
KA3552G01:2	4.05	7.80	1.18	12.5
KA3552G01:3	1.30	3.05	1.18	23.4
KA3557G:1	0.30	30.04	5.13	17.9
KA3563G01:1	9.30	30.00	6.83	137.8
KA3563G01:2	3.80	8.30	6.83	137.8
KA3563G01:3	1.30	2.80	6.83	25.5
KA3572G01:1	6.30	12.00	2.97	98.0
KA3572G01:2	1.30	5.30	2.97	98.2
KA3574G01:1	8.80	12.00	1.18	37.4
KA3574G01:2	5.30	7.80	1.18	10.3
KA3574G01:3	1.30	4.30	1.18	10.1
KA3576G01:1	8.80	12.01	1.15	162.3
KA3576G01:2	3.80	7.80	1.15	7.3
KA3576G01:3	1.30	2.80	1.15	161.5
KA3578G01:1	6.80	12.58	2.99	142.9

Borehole	Secup (m)	Seclow (m)	R (m)	P (m)
KA3578G01:2	1.30	5.80	2.99	7.3
KA3579G01:1	9.30	22.65	1.83	155.3
KA3579G01:2	5.30	8.30	1.83	49.1
KA3579G01:3	1.30	4.30	1.83	42.6
KA3584G01:1	0.30	12.00	2.99	11.0
KA3593G01:1	8.30	30.02	5.14	199.1
KA3593G01:2	1.30	7.30	5.14	126.6

The pressures in the Table 4-1 above are pressures measured 6 – 12 months before the diaper measurements. This fact may cause that the pressures in some cases are overrated since the open deposition boreholes will reduce the pressure in the closest surrounding rockmass. This will, mostly, be the case in the borehole sections with the highest pressure. The declining pressure trend is, however, at most 2 – 3 metres per month in those sections in the outer section where pressure time series are available.

The pressure at the borehole wall with the radius 0.875 meters is set to 0. The simple regression analysis gives the following relationship with a correlation coefficient of 0.59, which indicates a relatively strong relationship between the variables. The relationship shown in Figure 4-3 is

$$P = 7.835 + 94.397 \cdot LOG_R$$

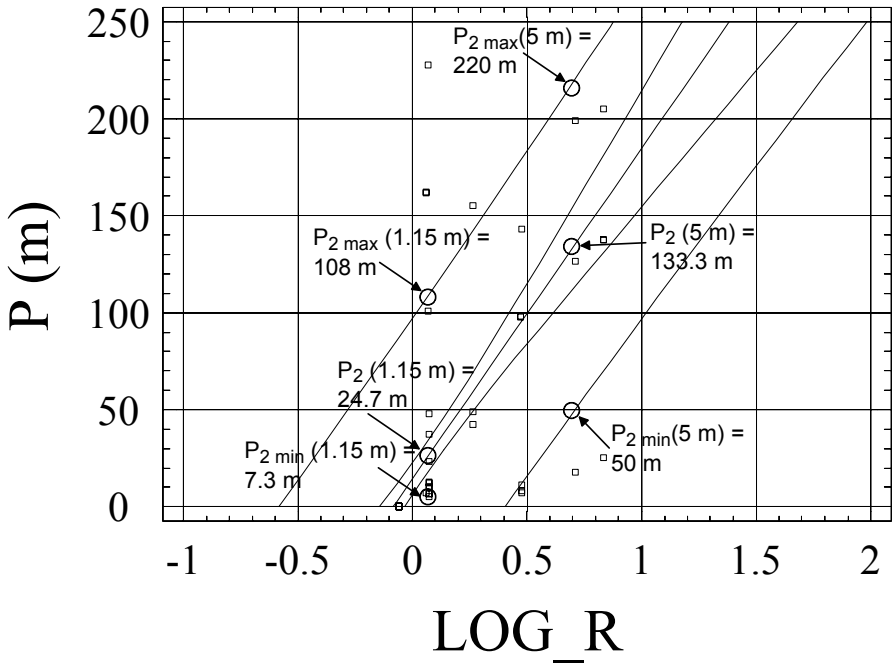

Figure 4-3*. Simple regression analysis with 95 % confidence limits (inner pair of dotted lines) for mean value and predicted value*

The hydraulic conductivity, K, was estimated using Thiem´s relationship in the form below:

$$K = q \cdot r_1 \cdot \ln (r_2 / r_1) / (P_2 - P_1) \text{ where}$$

q = measured inflow for each area covered with a diaper ($m^3/s \cdot m^2$)

r_1 = radius of deposition borehole (=0.875 m)

r_2 = distance to location outside borehole from borehole centre, where pressure is estimated from relationship above

P_1 = Pressure at borehole wall (=0 m of water)

P_2 = Pressure estimated from relationship above (meters of water)

Two cases have been calculated for. The first is with r_2 = 1.15 m and the second with r_2 = 5 m. The pressure P_2 used for the different cases are shown in *Figure 4-3*. The resulting K_{min}, K_{mean} and K_{max} are presented in *Figures 4-4* to *4-6* and in *Appendix 1*.

As earlier described the estimated measurement limit of a diaper is +/- 1 gram. Using the different extreme pressures, P_2, in *Figure 4-3* above this indicate a hydraulic conductivity (m/s) interval for the 1.15 meter case of $5.6 \cdot 10^{-14}$ (P_{min}) – $3.8 \cdot 10^{-15}$ (P_{max}) and for the 5 meter case of $5.1 \cdot 10^{-14}$ (P_{min}) – $1.2 \cdot 10^{-14}$ (P_{max}). Considering this, the measurement limit for hydraulic conductivity is estimated to be $\underline{5 \cdot 10^{-14}}$ m/s.

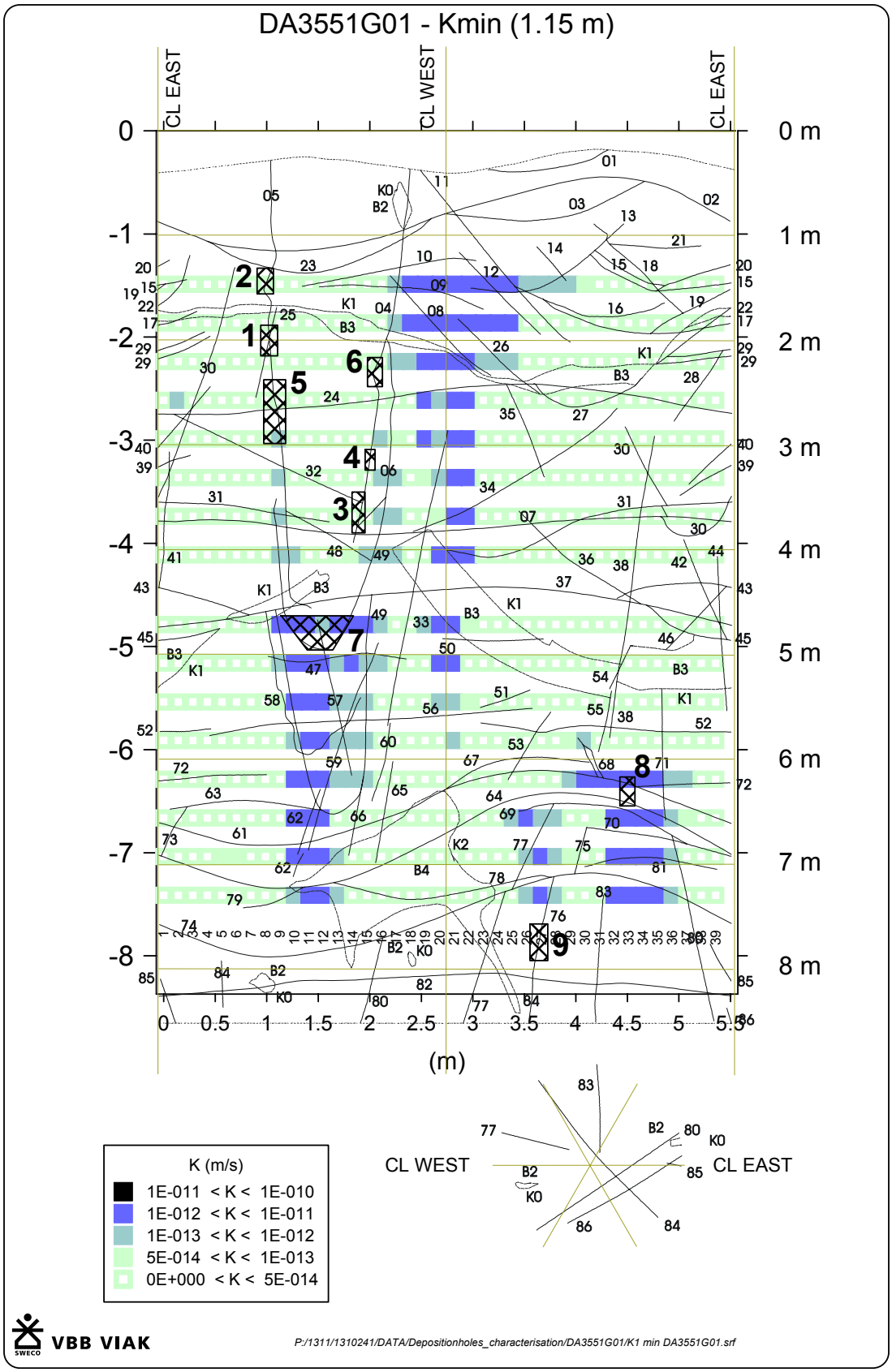

Figure 4-4. *Estimated K_{min} at distance 1.15 meters from borehole center*

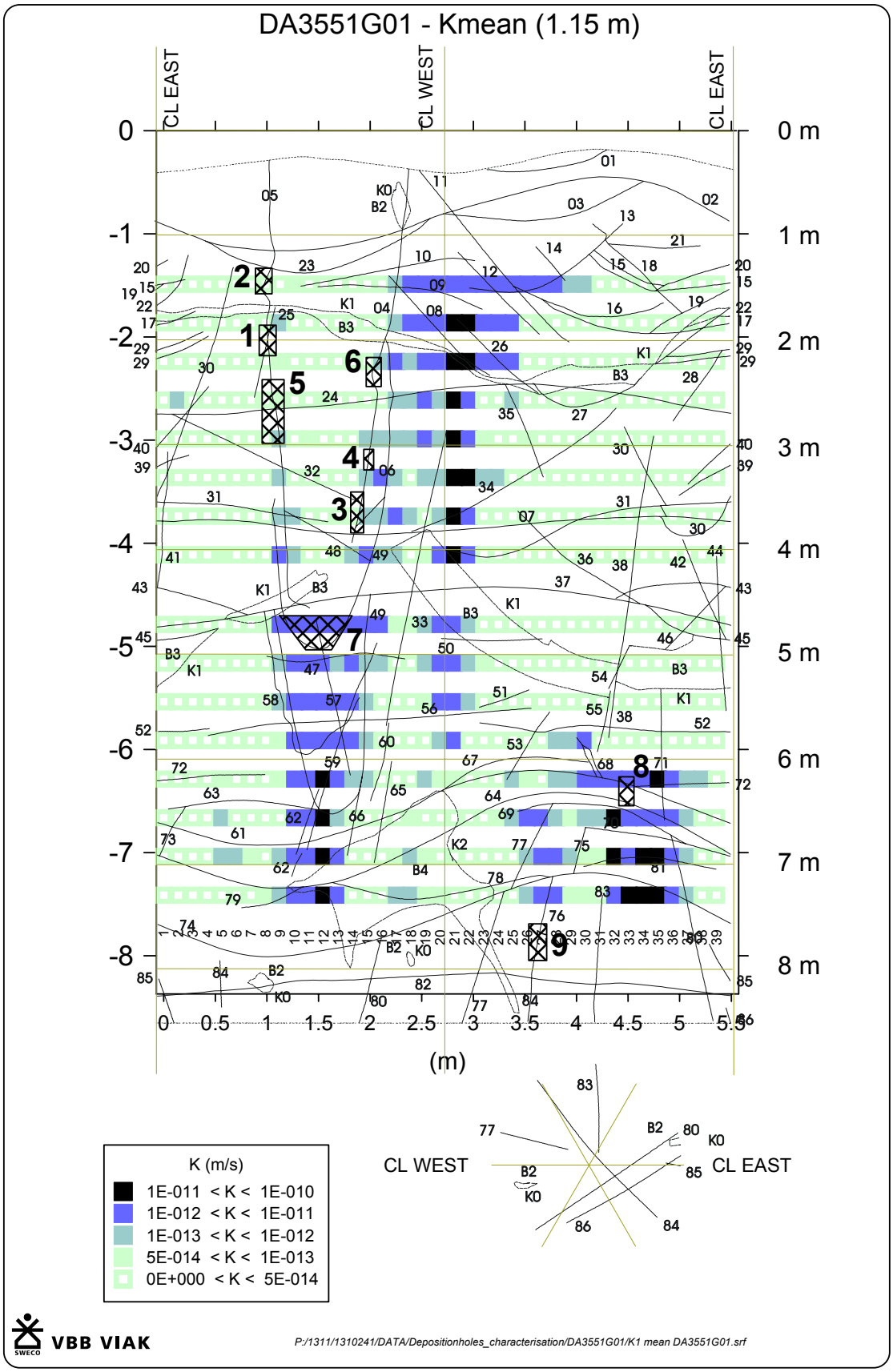

***Figure 4-5**. Estimated K_{mean} at distance 1.15 meters from borehole center*

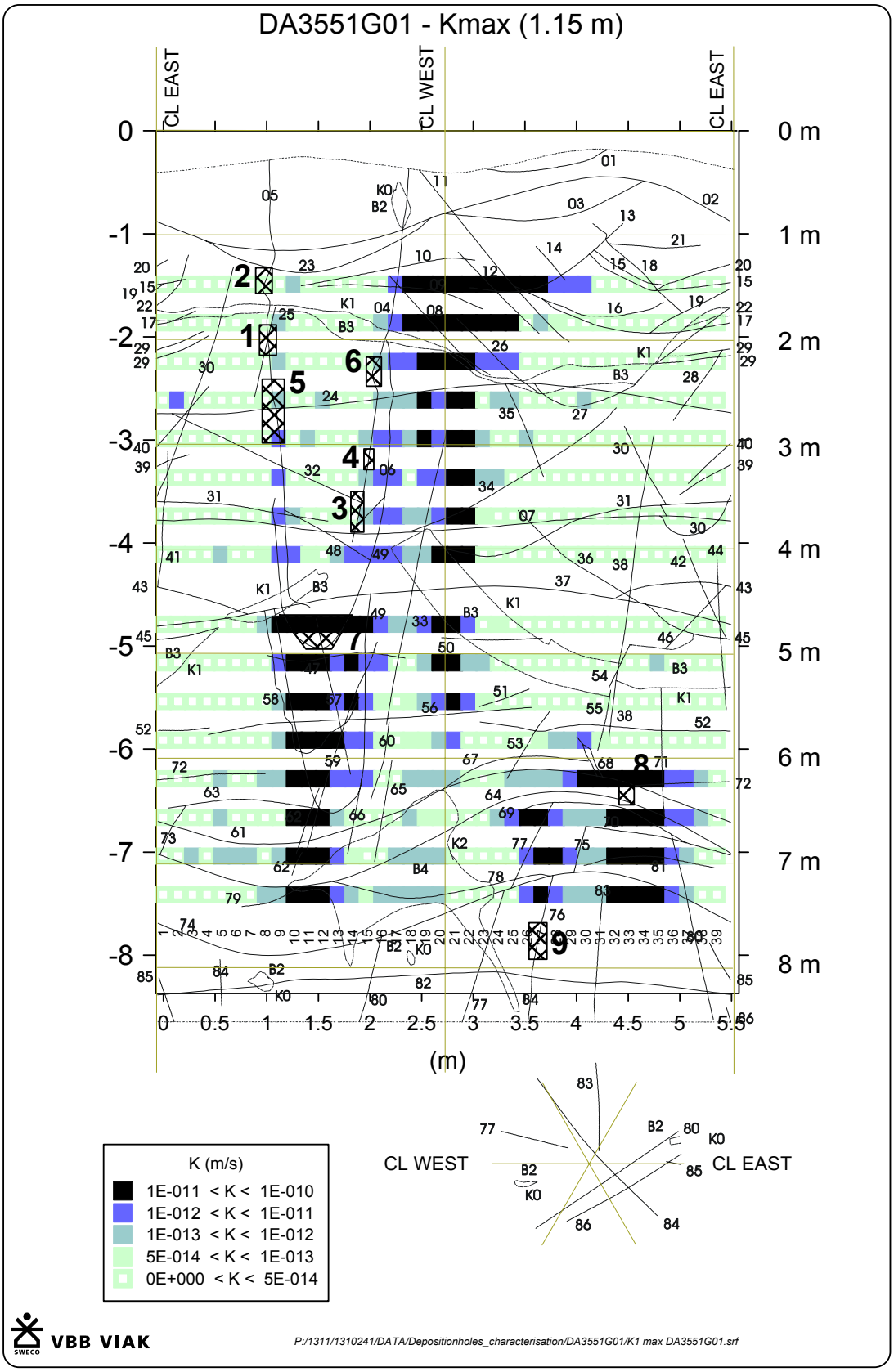

Figure 4-6. *Estimated K_{max} at distance 1.15 meters from borehole center*

The result of a statistical analysis of K_{min}, K_{mean} and K_{max} for the two distances 1.15 and 5 meters from deposition borehole centre is shown in *Table 4-2*. Detailed results are presented in Appendix 1.

Table 4-2 Result of statistical analysis of K_{min}, $K_{mean}$and K_{max} for the two distances 1.15 and 5 meters from deposition borehole centre

Data set	Geometric mean (m/s)	Standard deviation (Log10 K)
K_{min} (d = 1.15 m)	$9.8 \cdot 10^{-14}$	2.7 *
K_{mean} (d = 1.15 m)	$1.5 \cdot 10^{-13}$	3.0 *
K_{max} (d = 1.15 m)	$2.5 \cdot 10^{-13}$	2.7 *
K_{min} (d = 5 m)	$1.0 \cdot 10^{-13}$	2.7 *
K_{mean} (d = 5 m)	$1.2 \cdot 10^{-13}$	3.0 *
K_{max} (d = 5 m)	$2.1 \cdot 10^{-13}$	2.7 *

* estimated by fitting a line (dotted line i Appendix 1) in the probability diagram in Appendix 1

It is to be remembered in this context that some of the higher inflow spots probably reflect water coming from a fracture above them, as was pointed out earlier. This means that the statistics probably to some extent is biased. There should probably be fewer values with high K-values but some of the values could possibly be higher (representing the mapped flowing feature). K_{min} and K_{max} should be seen as the possible range for individual values. The distribution of K_{mean} should be the best estimate of the hydraulic conductivity.

4.2 Diaper measurement inflow rate to prototype repository deposition borehole KA3545G01

Ordinary baby diapers were applied to a plank. A total of 8 diapers were applied in a row to each of 78 planks. Each diaper was weighted before applying to the plank. All of the plank-diaper arrangements were then applied tight to the borehole wall. The first 39 were applied vertically at level 4.60 – 7.60 meters and the last 25 were applied vertically at level 1.30 – 4.30 meters. After the end of the period each diaper was again weighted to be able to estimate the inflow to each diaper. Measurement data is detailed in Appendix 2.

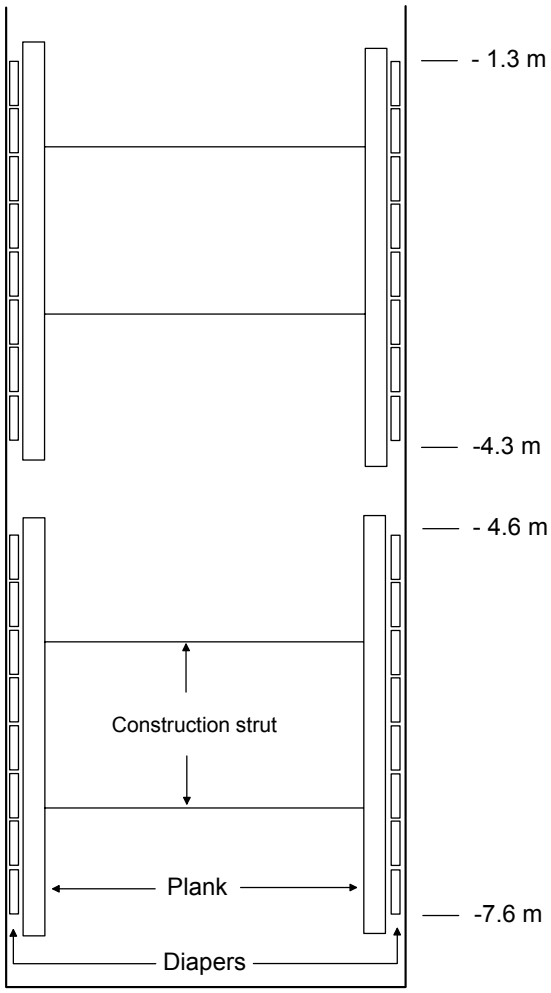

Figure 4-7. *Diaper measurement arrangement in DA3545G01*

A detailed flow measurement was done in DA3545G01 2002-01-08 to 2002-01-16.

To be able to estimate the effect of the background humidity on water content in the diaper some reference diapers were used at different levels in the borehole. The results of these reference measurements are that the reference diapers increased its weight by 4.0 to 7.4 grams giving an average increase of 5.34 grams. Three of the diapers were hanging free in the air at 0levels 6 m, 4 m and 2 m below tunnel floor in the borehole. Three diapers was mounted in the centre of the hole at a level of 4 meter below tunnel floor and covered with a steel plate on both sides. Eight diapers were mounted on the outside of a plank in row 1, 10, 20 and 30 respectively at both the upper and the lower level.

A simple test was carried out to see how much water a diaper could absorb. With 200 g water the diaper felt moist, and with 300 g it was possible to squeeze the water out of the diaper. Considering the increase of the water content in the diapers nearly none of the diapers became saturated during the experiment, see Appendix 2.

A weight increase of 0 – 1 grams is considered as uncertain, giving that an increase of 1 gram could represent a "zero" flow as well as flow causing an increase of 1 gram. A 1 gram increase during one week gives a flow of $1 \cdot 10^{-7}$ L/min. This flow is therefor set as the measurement limit of this methodology.

Each diaper covered an area of 0.03465 (0.11 x 0.315) m^2. The distance between the planks is approximately 0.05 meters.

The planks were mounted clock-wise along the circumference of the borehole. Plank 1 was situated in the centreline of the tunnel facing east towards the tunnel opening.

In Figure 4-8 the result is shown graphically together with the geological mapping of structures and inleaking locations. Leakage points are numbered 1 – 10.

Two cases have been calculated for. The first is with $r_2 = 1.15$ m and the second with $r_2 = 5$ m. The pressure P_2 used for the different cases are shown in Figure 4-3. The resulting K_{min}, K_{mean} and K_{max} are presented in Figures 4-9 to *4-11* and in Appendix 2.

As earlier described the estimated measurement limit of a diaper is +/- 1 gram. Using the different extreme pressures, P_2, in Figure 4-3 above this indicate a hydraulic conductivity (m/s) interval for the 1.15 meter case of $5.6 \cdot 10^{-14}$ (P_{min}) – $3.8 \cdot 10^{-15}$ (P_{max}) and for the 5 meter case of $5.1 \cdot 10^{-14}$ (P_{min}) – $1.2 \cdot 10^{-14}$ (P_{max}). Considering this, the measurement limit for hydraulic conductivity is estimated to be $\underline{5 \cdot 10^{-14}}$ m/s.

During the measurements a small leakage was detected causing the the diapers at the western part of the hole to indicate a somewhat higher flowrate than otherwise. The origin and magnitude of the leakage is uncertain.

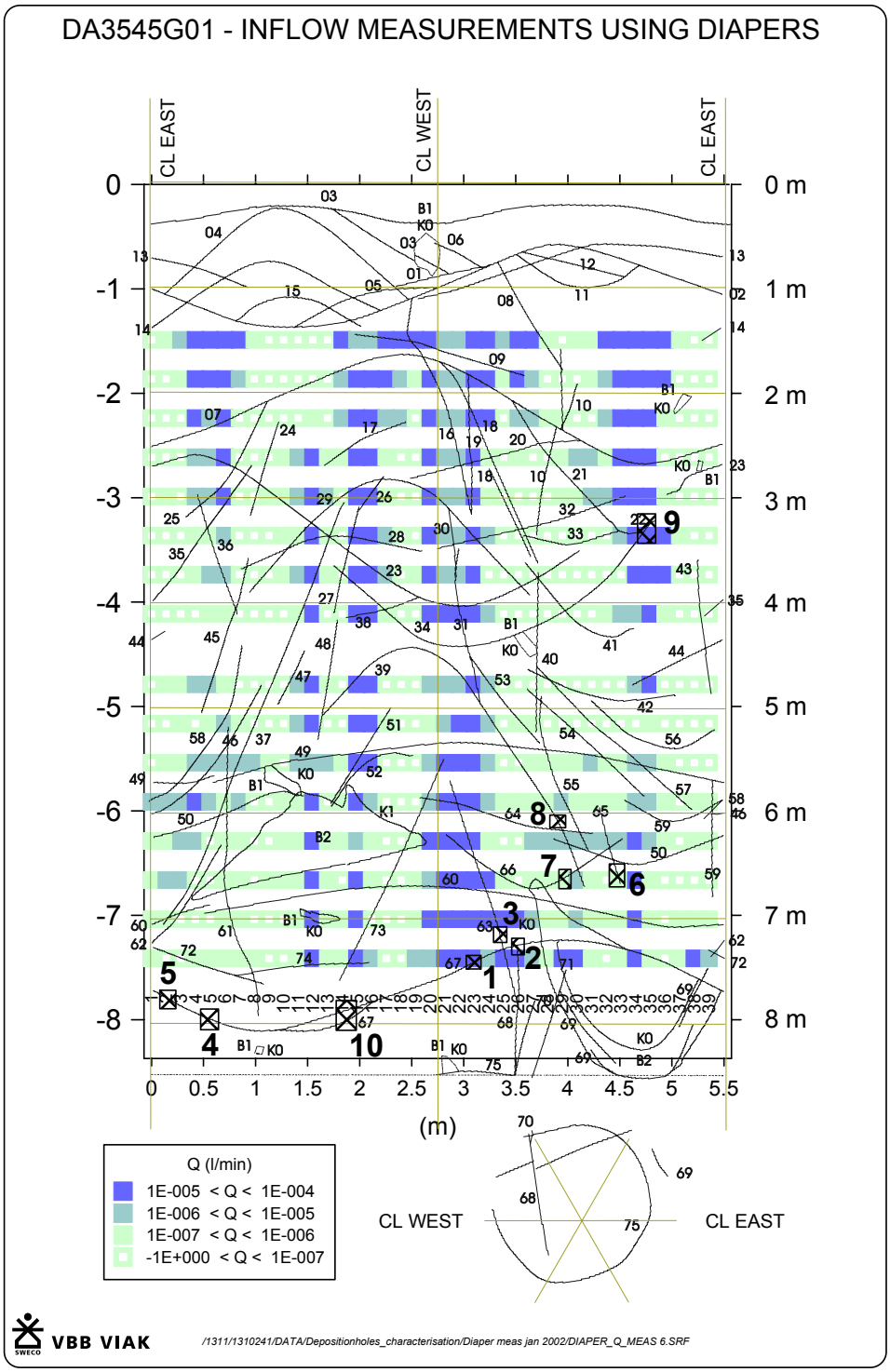

Figure 4-8. *Inflow measurements using diapers in DA3545G01.*

In total the measurement gives an estimated borehole flow of $6 \cdot 10^{-3}$ L/min. In the calculation the total measured flow (water absorbed by diapers) is $3.1 \cdot 10^{-4}$ L/min. Taken into account that parts of the borehole is not covered by diapers this flow was upscaled by a factor 2. The estimated flow will then be close to what earlier whole borehole measurements (Rhen, Forsmark, 2001) have indicated. Still the leakage from the tunnelfloor west close to the hole make this flowrate somewhat overestimated but still the inflow ought to be in this order of magnitude.

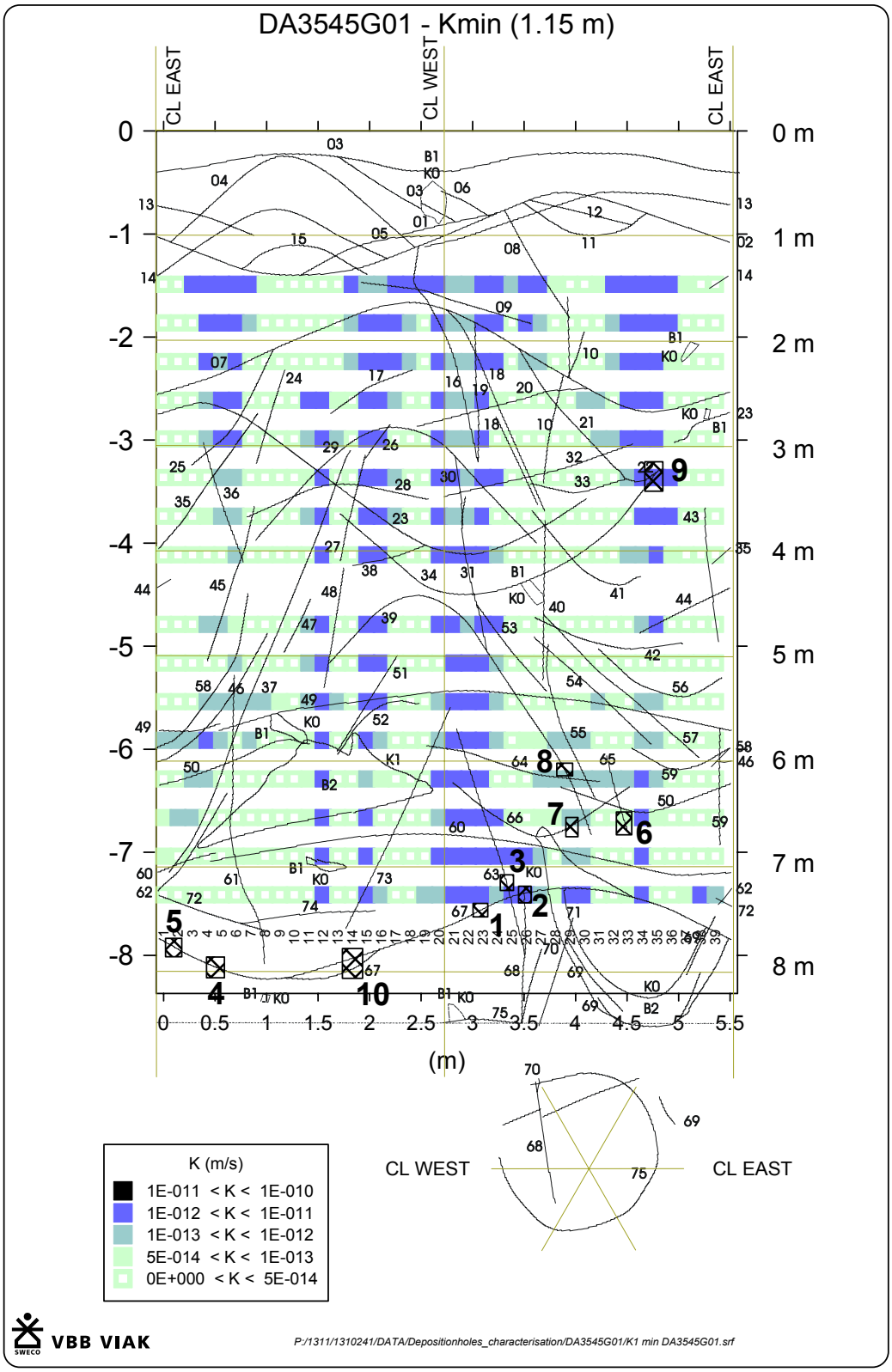

Figure 4-9. *Estimated K_{min} at distance 5 meters from borehole center*

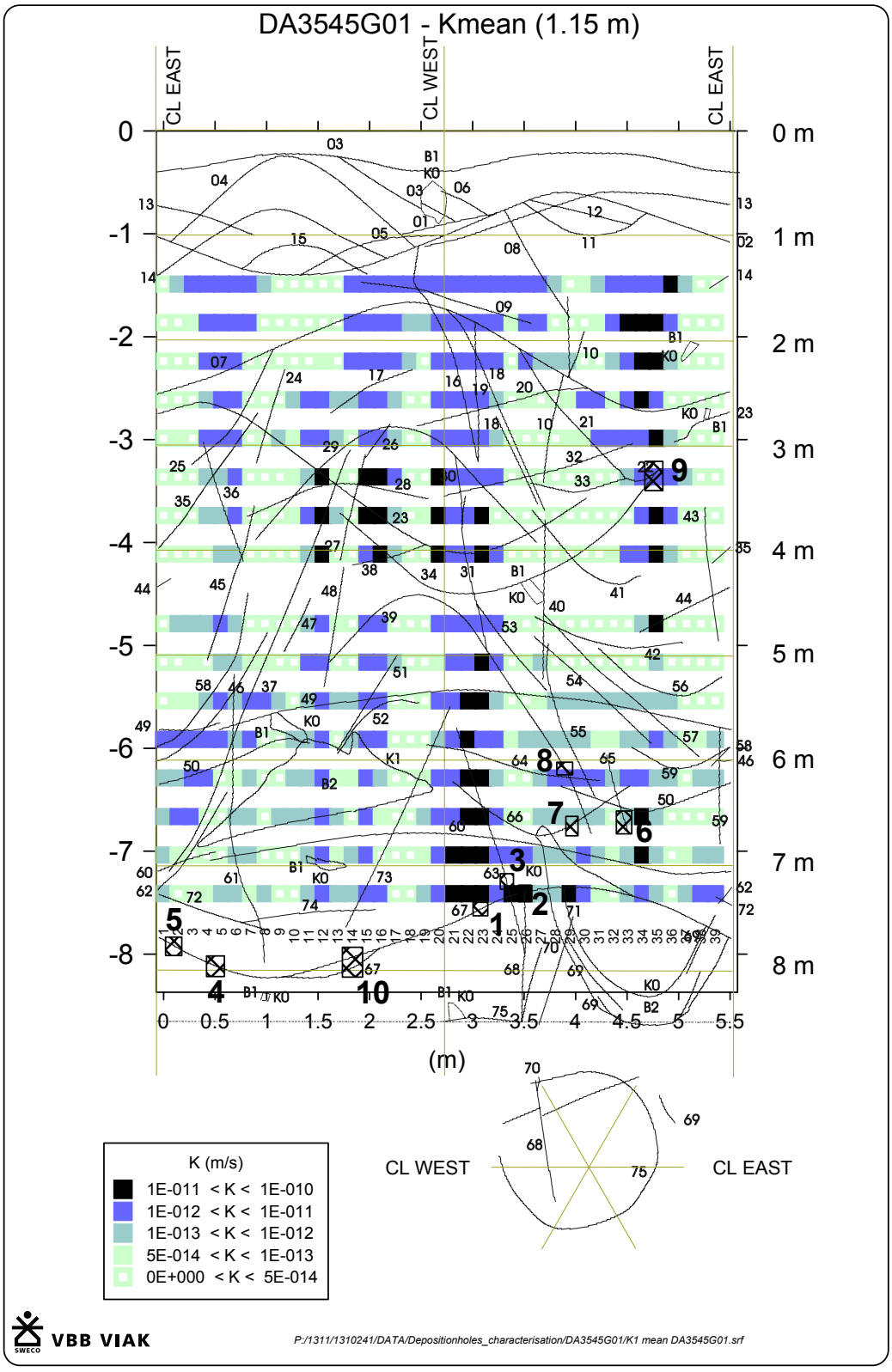

***Figure 4-10**. Estimated K_{mean} at distance 5 meters from borehole center*

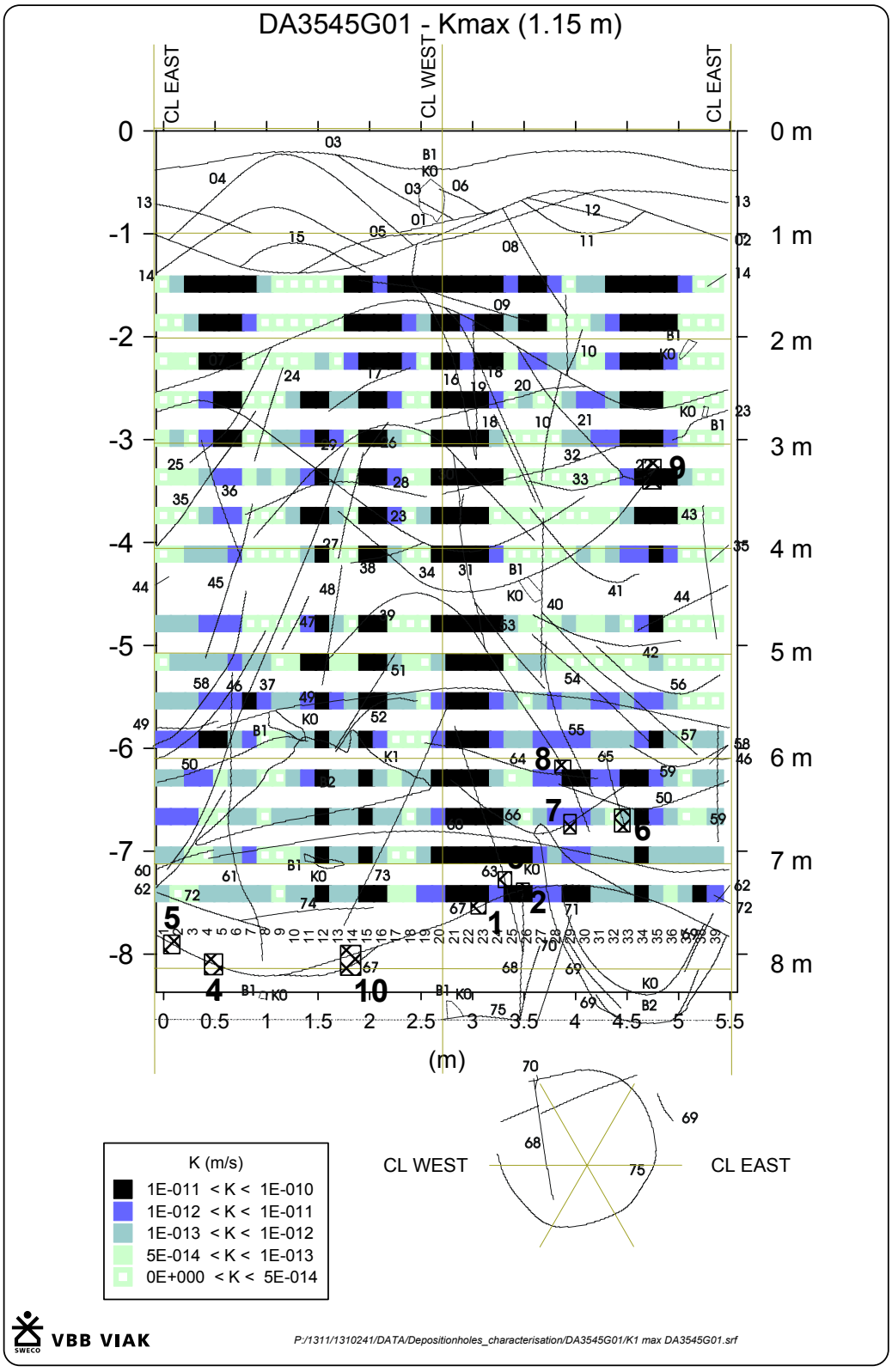

Figure 4-11. *Estimated K_{max} at distance 5 meters from borehole center*

The result of a statistical analysis of K_{min}, K_{mean} and K_{max} for the two distances 1.15 and 5 meters from deposition borehole centre is shown in Table 4-3. Detailed results are presented in Appendix 2.

Table 4-3 Result of statistical analysis of K_{min}, $K_{mean}$and K_{max} for the two distances 1.15 and 5 meters from deposition borehole centre

Data set	Geometric mean (m/s)	Standard deviation (Log10 K)
K_{min} (d = 1.15 m)	$1.7 \cdot 10^{-13}$	2.6 *
K_{mean} (d = 1.15 m)	$3.9 \cdot 10^{-13}$	2.6 *
K_{max} (d = 1.15 m)	$8.9 \cdot 10^{-13}$	1.8 *
K_{min} (d = 5 m)	$1.8 \cdot 10^{-13}$	2.8 *
K_{mean} (d = 5 m)	$2.3 \cdot 10^{-13}$	2.8 *
K_{max} (d = 5 m)	$4.2 \cdot 10^{-13}$	2.5 *

*estimated by fitting a line (dotted line i Appendix 1) in the probability diagram in Appendix 1

It is to be remembered in this context that some of the higher inflow spots probably reflect water coming from a fracture above them, as was pointed out earlier. This means that the statistics probably to some extent is biased. There should probably be fewer values with high K-values but some of the values could possibly be higher (representing the mapped flowing feature). K_{min} and K_{max} should be seen as the possible range for individual values. The distribution of K_{mean} should be the best estimate of the hydraulic conductivity.

5 Flow measurements in tunnel

5.1 Tunnel A

The purpose of the flow measurements in the tunnel A is to get an estimate of the leakage amount from Section I via any leakage pathways between Plug 1 and the rock itself. Also measured is the amount of leakage into the rock-cut Slit 2 in the position of the future Plug 2.

5.1.1 Flow measurements – Plug 1

The casting of Plug 1 was finalised 2001-12-19. The flowrates were measured during two periods, 2001-12-27 to 2002-01-07 and 2002-03-12 to 2002-03-26. The flowrate was measured with a flowmeter mounted on the hose from the pump.

In Figure 5-1 and Table 5-1 the flowrates are illustrated.

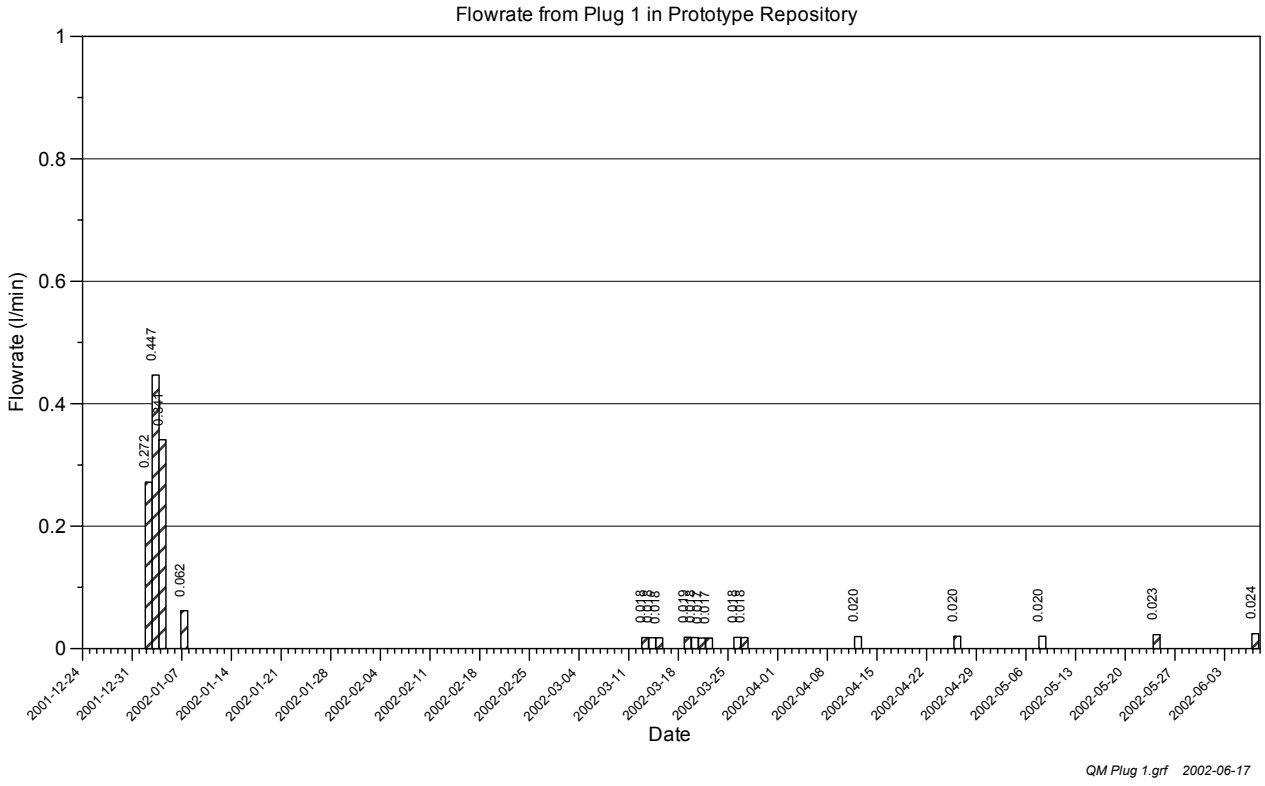

Figure 5-1. *Flowrate from Plug 1 (collected by a weir-dam 1 m from the plug at the tunnelfloor.*

Table 5-1 Flow measurement - Plug 1

Start Date	Start Time	Stop Date	Stop Time	Volume (l)	Flowrate (l/min)	Flow (m3/s)
2001-12-27	07:42	2002-01-02	07:55	2352	0.272	4.5E-06
2002-01-02	07:55	2002-01-03	07:34	634	0.447	7.4E-06
2002-01-03	07:34	2002-01-04	06:35	471	0.341	5.7E-06
2002-01-04	06:35	2002-01-07	08:08	273	0.062	1.0E-06
2002-03-12	07:30	2002-03-13	07:35	25.9	0.018	3.0E-07
2002-03-13	07:35	2002-03-14	07:40	25.7	0.018	3.0E-07
2002-03-14	07:40	2002-03-15	07:40	25.3	0.018	2.9E-07
2002-03-18	07:40	2002-03-19	07:35	26.7	0.019	3.1E-07
2002-03-19	07:35	2002-03-20	07:34	25.9	0.018	3.0E-07
2002-03-20	07:34	2002-03-21	07:35	25.1	0.017	2.9E-07
2002-03-21	07:35	2002-03-22	07:50	24.9	0.017	2.9E-07
2002-03-25	07:20	2002-03-26	07:35	26.7	0.018	3.1E-07
2002-03-26	07:35	2002-03-27	07:35	26	0.018	3.0E-07
2002-04-11	07:30	2002-04-12	07:40	28.3	0.020	3.3E-07
2002-04-25	07:55	2002-04-26	07:35	28.7	0.020	3.4E-07
2002-05-07	08:00	2002-05-08	07:25	28.4	0.020	3.4E-07
2002-05-23	07:25	2002-05-24	10:15	36.6	0.023	3.8E-07
2002-06-06	07:35	2002-06-07	07:50	35.6	0.024	4.1E-07
2002-07-29	10:05	2002-07-30	10:05	33.9	0.024	3.9E-07
2002-08-15	07:50	2002-08-16	07:46	32.2	0.022	3.7E-07
2002-08-29	07:30	2002-08-30	07:23	31.6	0.022	3.7E-07

Grouting was done at the plug 2002-01-28 and 2002-01-29. As observed above the leaking rate has decreased from January 2002 to the end of March 2002.

5.1.2 Flow measurements – Slit 2

Slit 2 is in the position of tunnel A where later Plug 2 was casted.

The flowrates were measured during two periods, 2001-12-27 to 2002-01-07 and 2002-03-12 to 2002-03-26. The flowrate was measured with a flowmeter mounted on the hose from the pump.

In Figure 5-2 and Table 5-2 the flowrates are illustrated.

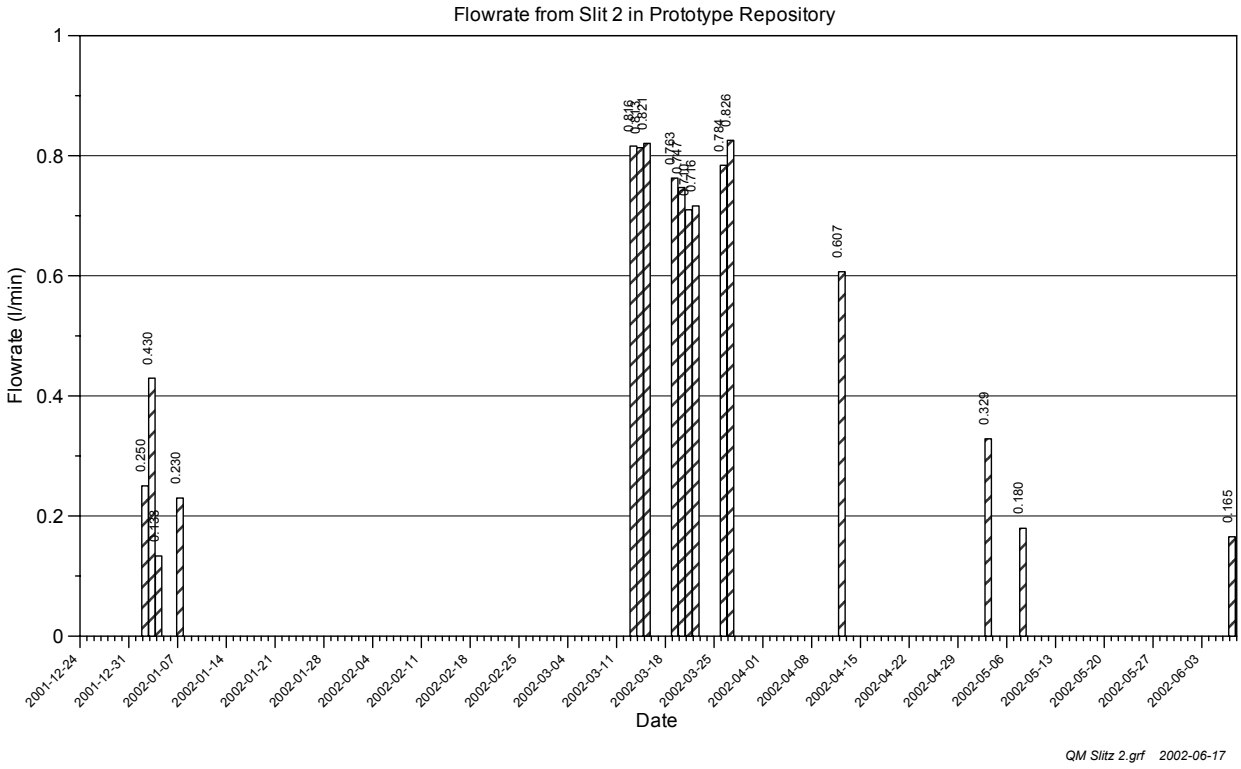

***Figure 5-2**. Flowrate from Slit 2*

Table 5-2 Flow measurements- Slit 2

Start Date	Start Time	Stop Date	Stop Time	Volume (l)	Flowrate (l/min)	Flow (m3/s)
2001-12-27	15:03	2002-01-02	07:55	2056	0.250	4.2E-06
2002-01-02	07:55	2002-01-03	07:35	610	0.430	7.2E-06
2002-01-03	07:35	2002-01-04	06:34	184	0.133	2.2E-06
2002-01-04	06:34	2002-01-07	08:08	1015	0.230	3.8E-06
2002-03-12	11:00	2002-03-13	10:00	1126	0.816	1.4E-05
2002-03-13	10:00	2002-03-14	08:20	1090	0.813	1.4E-05
2002-03-14	08:20	2002-03-15	08:40	1198	0.821	1.4E-05
2002-03-18	07:20	2002-03-19	08:15	1140	0.763	1.3E-05
2002-03-19	08:15	2002-03-20	08:10	1072	0.747	1.2E-05
2002-03-20	08:10	2002-03-21	08:15	1026	0.710	1.2E-05
2002-03-21	08:15	2002-03-22	08:55	1060	0.716	1.2E-05
2002-03-25	07:20	2002-03-26	08:20	1176	0.784	1.3E-05
2002-03-26	08:20	2002-03-27	08:30	1197	0.826	1.4E-05
2002-04-11	07:50	2002-04-12	08:00	880	0.607	1.0E-05
2002-05-02	08:10	2002-05-03	08:00	470	0.329	5.5E-06
2002-05-07	08:00	2002-05-08	07:40	255	0.180	3.0E-06
2002-06-06	08:38	2002-06-07	07:50	230	0.165	2.8E-06
2002-07-29	11:55	2002-07-30	10:00	182	0.137	2.3E-06
2002-08-15	08:15	2002-08-16	08:18	458	0.317	5.3E-06
2002-08-29	08:05	2002-08-30	08:03	265	0.184	3.1E-06

As can be noticed the flowrate into Slit 2 has increased during the period January – March 2002. The flowrates measured in January 2002 are however considered as very uncertain while the rates measured in March are more accurate.

5.1.3 Flow measurements downstream of Plug 2

The casting of Plug 2 was finalised 2003-09-11. Construction of the three weirs downstream of the plug were done during the autumn of 2003. The freezing of the plug started 2004-09-20 and the final grouting of the plug was done 2004-10-06 to 10-08.

Flow measurements in the weirs were done manually twice only 2003-12-12 and 2003-12-17, see Table 5-3. Manual measurements done in December 2003 show a flowrate for MA3515G of 0.175 – 0.19 L/min, for MA3525G of 1.15 – 1.25 L/min and for MA3535G of 0.38 – 0.45 L/min.

Table 5-3 First measurements in MA3515G, MA3525G and MA3535G

Weir	Q (L/min) : 20031212	Q (L/min) : 20031217
MA3515G	0.90	0.76
MA3525G	1.15	0.75
MA3535G	0.175	0.19

The increase of flow during October 2004 was caused by yet unknown causes, but it is believed that the final grouting that was done around Plug 2 October 8, 2004 is the cause to it. The flowrates have now decreased once again (January 2005).

In April 2004 the flow measurements were connected to HMS and automatical measurements proceeds since then.

An updated plot (2004-10-31) of each weir is shown in Figures 5-3 to 5-5.

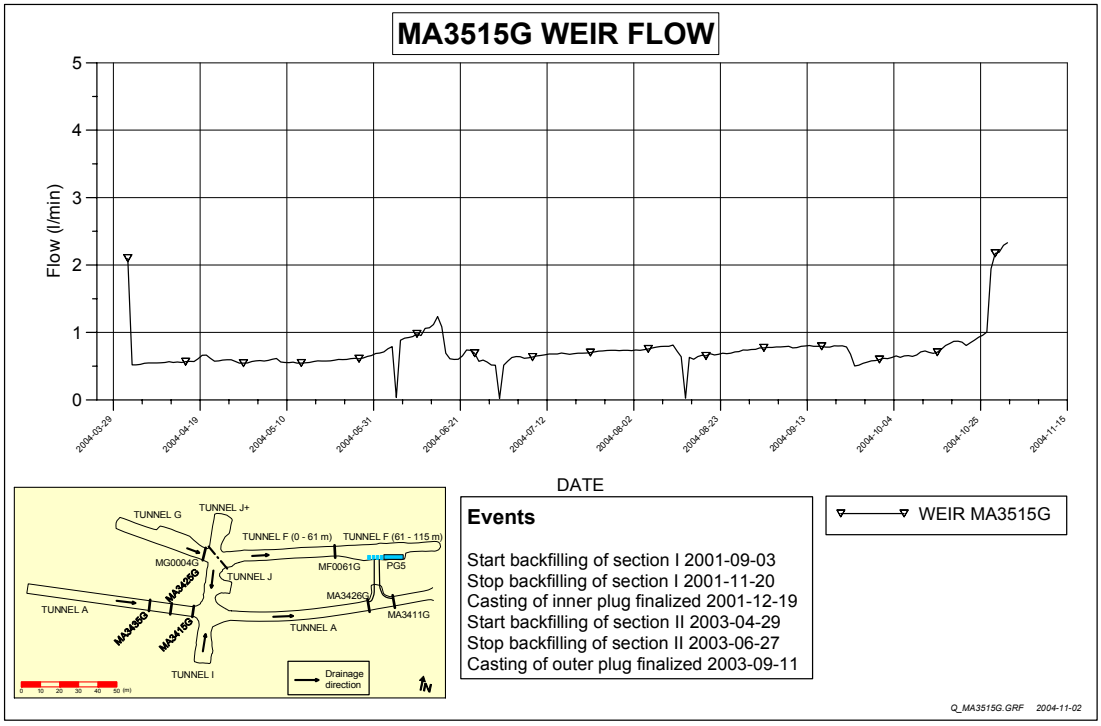

Figure 5-3. *Flow in MA3515G*

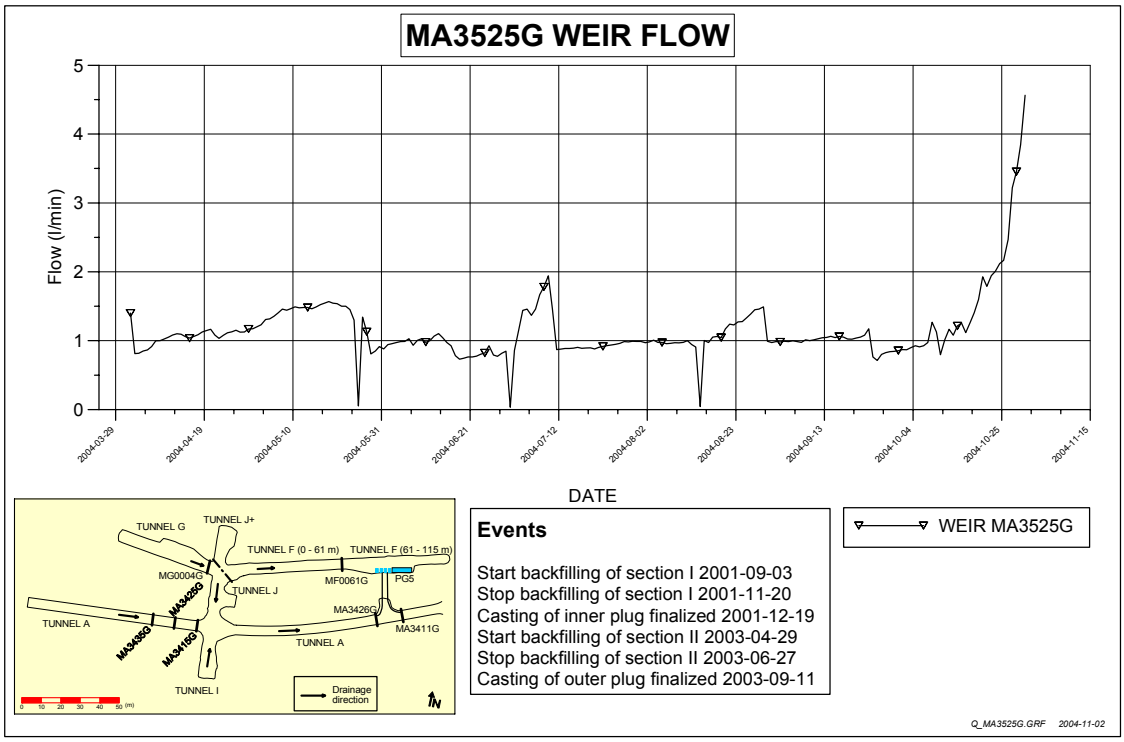

***Figure 5-4**. Flow in MA3525G*

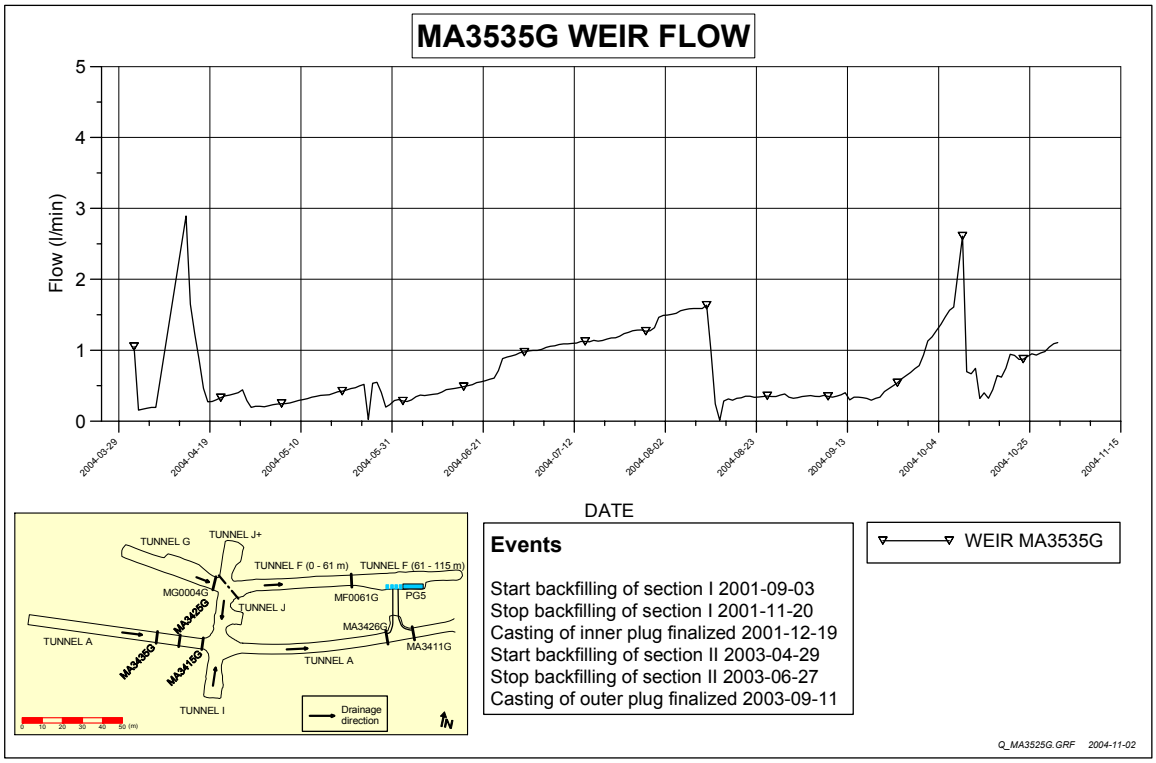

***Figure 5-5.** Flow in MA3535G*

5.2 Tunnel G

A measurement weir has been constructed 4 meters into the G-tunnel in order to get correct inleakage rates to this part of the tunnel system.

The drainage from Section I in the prototype repository will be continued until Section II is finalized and in operation. Meanwhile the drainage water from the pumps is led through three lead-through holes into the G-tunnel. This water is included in the rate measured at the weir MG0004G. The flowrate was 2002-05-10 measured to be 2.5 L/min.

In (Rhén, Forsmark, 2001), the inflow to the G-tunnel was estimated to be within the interval 5 – 7 L/min. When taken into account the subflow from Section I in the prototype this estimation is still valid.

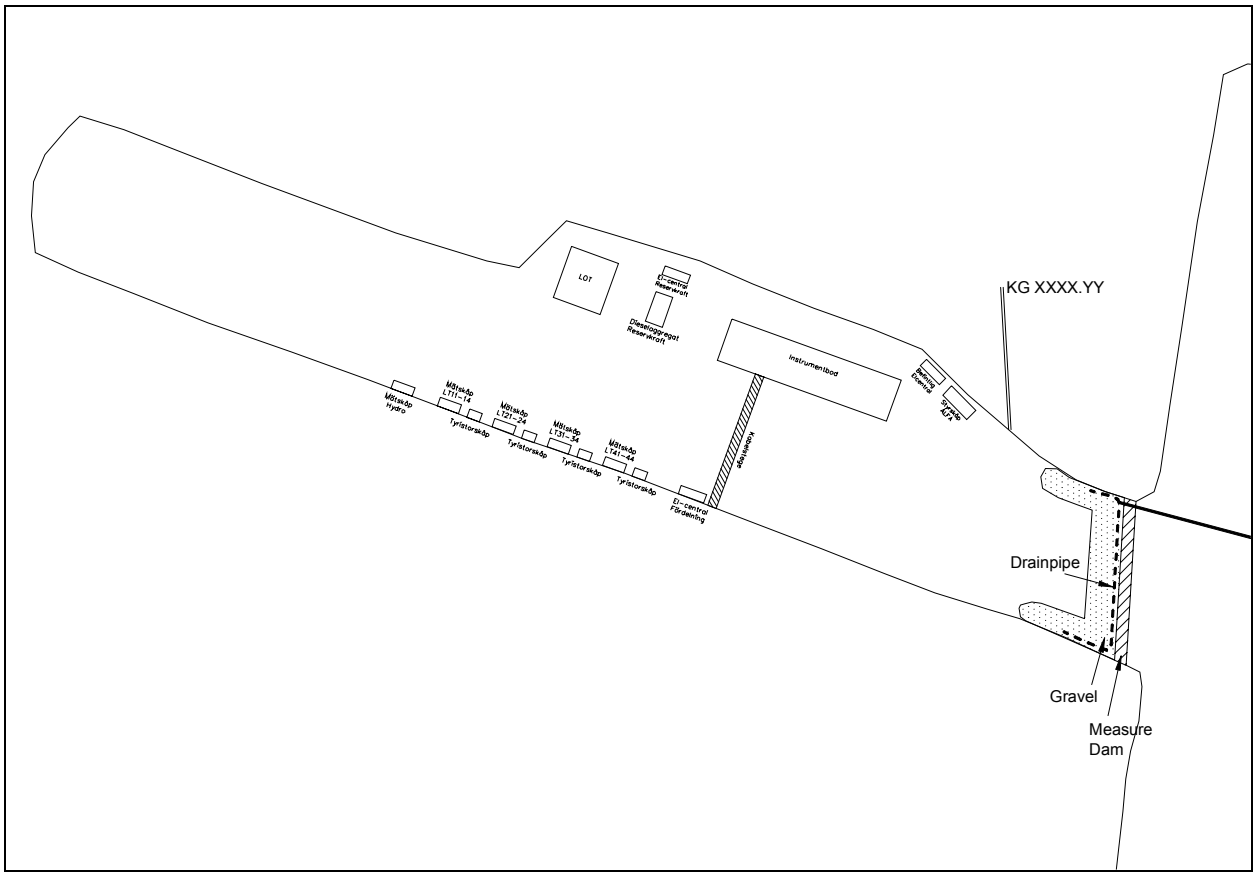

Figure 5-6. *Position of the weir MG0004G in Tunnel G, The borehole KGXXXX.YY is KG0010B01 (a borehole for testing HM equipment).*

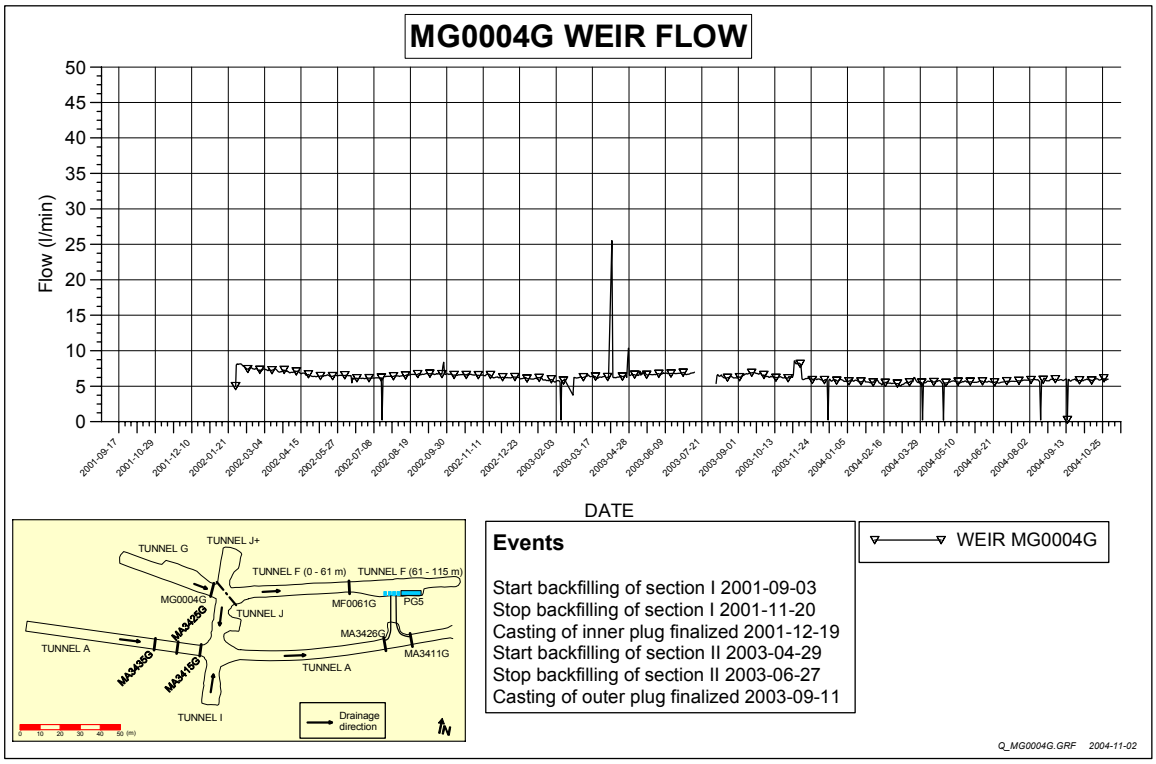

Figure 5-7, *Flow in MG0004G (Flow from Section I is included)*

6 Grouting close to Prototype Repository

Grouting has been done in the tunnelsystem ever since construction due to various resons. These main grouting activities has been identified

- Pregrouting grouting during construction
- Supplementary grouting after construction
- Grouting of lead-through holes between G and A tunnel
- Grouting around plug 1
- Grouting around plug 2
- Various grouting activities in G, I, J and A tunnel section 3500 – 3600 m where the main known activity is the grouting of KA3510A, 0 – 50 m, (Forsmark, Rhén, 2000).

6.1 Pregrouting grouting during construction

Grouting was done during construction from the TBM machine in August 1994. In Table 6-1 below the recorded data is shown. The surplus of grout column gives an indication of how effective the actual grouting was, i.e. how much grout entered the fracture system connected to the borehole.

Table 6-1 Data of pregrouting activities during construction

Pregrouting round	Tunnel chainage (m)	Number of holes	Length of holes (m)	Volume of holes (L)	Volume of injected cement / agent (L)	Surplus of grout (%)
FI 234	3481	4	140 (4 x 35)	345	1045?	203
FI 235	3526	4	88 (4 x 22)	217	1211?	458

In Figure 6-1 an overview of pregrouting and supplementary reinforcement activities are shown.

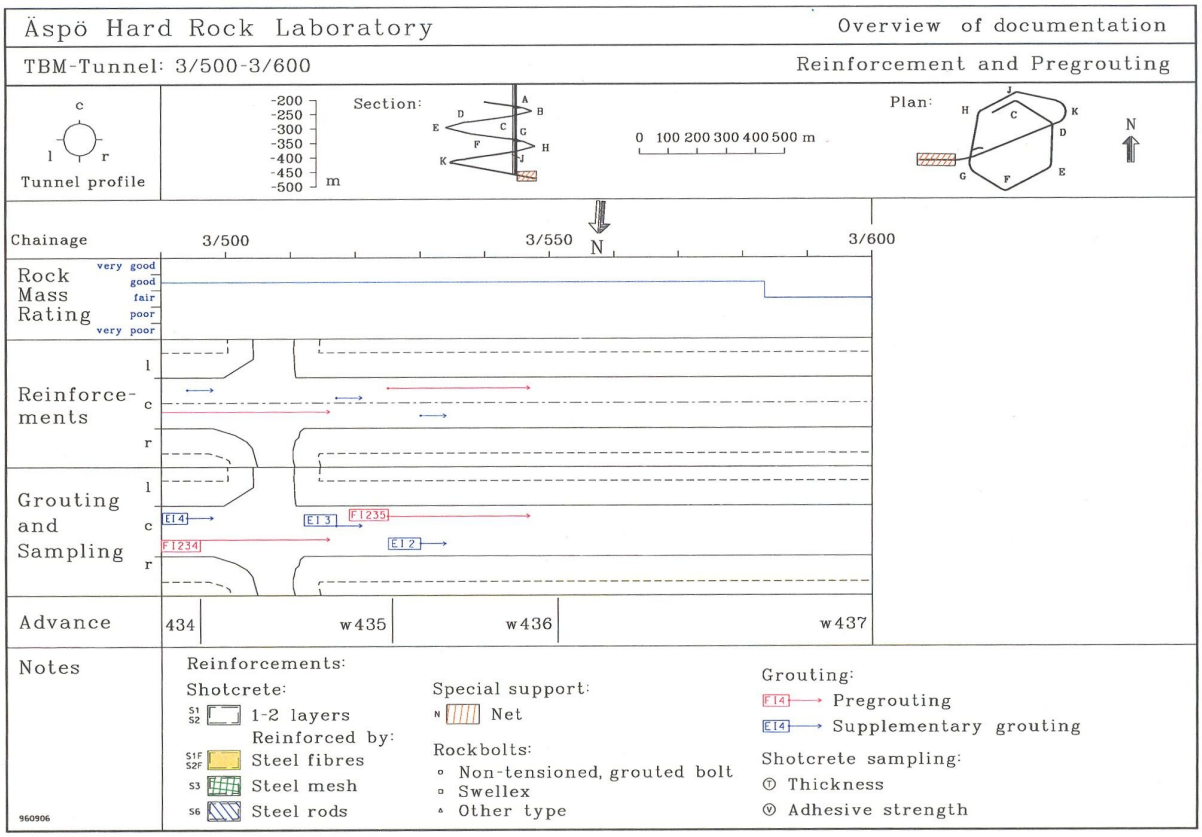

Figure 6-1. *Overview of reinforcement activities during construction and supplementary grouting*

6.2 Supplementary grouting after construction

Supplementary grouting was done in April 1995. In Table 6-2 below the recorded data is shown. The surplus of grout column gives an indication of how effective the actual grouting was, i.e. how much grout entered the fracture system connected to the borehole.

Table 6-2 Data of supplementary grouting activities after construction

Supplementary grouting round	Tunnel chainage (m)	Number of holes	Length of holes (m)	Volume of holes (L)	Volume of injected cement / agent (L)	Surplus of grout (%)
EI 2	3530	3	12 (3 x 4)	29	240	728
EI 3	3517	4	16 (4 x 4)	39	588	1408

6.3 Grouting of lead-through holes between G and A tunnel

Grouting was made in the lead-through holes between the G-tunnel and the prototype tunnel. The intention was to close possible hydraulic short-cuts without injecting too much grout into the rockmass (maximum 15% of theoretical volume between borehole wall and cable lead-through casing). In Table 6-3 the recorded data is shown. The surplus of grout column gives an indication of how effective the actual grouting was, i.e. how much grout entered the fracture system connected to the borehole.

Table 6-3 Grouting of lead-through holes

Borehole	Hole length (m)	Water flow before grouting (L/min)	Theoretical volume (L)	Total grout volume (L)	Surplus of grout (L)	Surplus of grout (%)
HG0020A01	31.84	0	471	445	-26	-
HG0021A01	31.72	0.4	469	555	86	18.3
HG0022A01	33.44	0.7	477	555	78	16.4
HG0022A02	32.74	2	482	536	54	11.2
KG0023A01	33.40	Drip	495	56	-439	-
HG0023A01	33.53	1.2	500	593	93	18.6
HG0023A02	34.27	0.3	513	481	-32	-
HG0024A01	35.06	0.7	522	555	33	6.3
HG0024A02	35.21	0.95	525	574	49	9.3
HG0025A01	36.00	1.1	538	574	36	6.7
HG0025A02	36.20	1.7	542	149	-393	-
HG0025A03	43.76	1.5	659	759	100	15.2
HG0026A01	44.10	0.8	671	883	212	31.6
HG0026A02	45.51	Drip	689	815	126	18.3
KG0027A01	46.72	0.85	708	814	106	15.0
HG0027A01	48.07	0	729	555	-174	-
HG0028A01	48.42	0	739	698	-41	-
HG0028A02	49.70	0.75	758	796	38	5.0
HG0029A01	50.50	0	772	223	-549	-
HG0029A02	51.73	0.8	788	907	119	15.1
HG0030A01	52.19	Drip	793	611	-182	-
HG0030A02	53.43	0.5	817	888	71	8.7
HG0031A01	53.55	1.6	824	555	-269	-
HG0032A01	54.28	0.9	835	722	-113	-
HG0032A02	57.74	Drip	884	907	23	2.6
KG0033A01	56.90	Drip	870	851	-19	-
HG0033A01	58.98	3.5	905	981	76	8.4

6.4 Grouting around plug 1

Some minor contact grouting was done January 28 – 29, 2002.

6.5 Grouting around plug 2

In order to finally to finally close any short-cuts around plug 2 injection grouting was done October 8, 2004. Some minor contact grouting was done October 8 – 10, 2004.

Seven boreholes were drilled and in Table 6-4 the grout amounts are detailed.

In Figure 6-2 the approximate locations of the grouting boreholes around Plug 2 are shown.

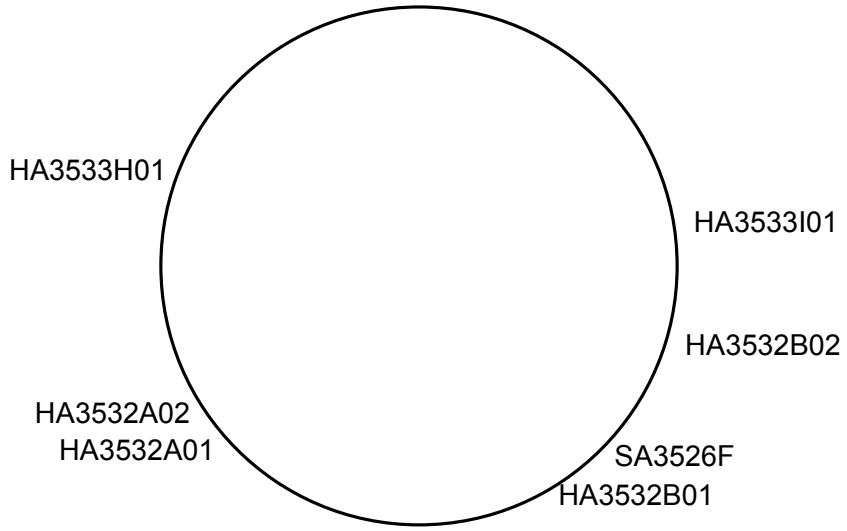

Figure 6-2. *Grouting boreholes around plug 2 facing westwards in A-tunnel*

Table 6-4 Grouted boreholes near Plug 2 (All boreholes have diameter 57 mm)

Borehole	Grouted hole length (m)	Water flow before grouting (L/min)	Grouting date	Theorethical hole volume (L)	Grout volume (L)
HA3533H01	6.5	1 drip/10min	2004-10-08	16.5	17
HA3532A02	6.5	0.025	2004-10-08	16.5	15.5
HA3532A01	6.5	1 drip/10 min	2004-10-08	16.5	19.1
HA3532B01	6.5	0.26	2004-10-08	16.5	17.5
SA3526F	22.2	No flow	2004-10-08	56.6	15.7
HA3532B02	6.5	0.04	2004-10-08	16.5	15.5
HA3533I01	6.5	1 drip/ min	2004-10-08	16.5	17

6.6 Various grouting activities in G, I, J and A tunnel section 3500 – 3600 m

The first 50 meters of borehole KA3510A is grouted since during the drilling of KA3510A in 1996 rather large amounts of water inleakage to the borehole was encountered during the first 47 meters. The accumulated flow was at 47.32 m 62 L/min. It was then decided to grout this the first part of the borehole. This was done at five different occasions with a total injected volume of cement of 1609 litres. After the grouting and redrilling of the borehole the water inflow was 0.64 L/min.

The following boreholes in Table 6-5 have been grouted. The surplus of grout column gives an indication of how effective the actual grouting was, i.e. how much grout entered the fracture system connected to the borehole.

Table 6-5 Various grouted boreholes near or within the prototype

Borehole	Grouted hole length (m)	Grouting date	Hole volume (L)	Grout volume (L)	Surplus of grout (%)
KA3510A	50	1996-08-29 – 1996-09-01	227	1609	609
KA3575G07	7.90	2001-05-04	35.8	323	802
SA3583F	8.08	2001-05-04	20.0	28	40
SA3584F	8.18	2001-05-04	20.1	37	84
HA3578C01	3.50	2001-05-04	8.6	46	435
HA3599F03	5.13	2001-05-04	12.6	28	122

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Appendix 1

Measurement of inflow rates to deposition hole DA3551G01 using diapers

This appendix includes the details of the diaper measurement of DA3551G01 as described in chapter 4.1 and consists of three parts:

1. Flow measurements using diapers
2. Hydraulic conductivity estimations
3. Statistics of hydraulic conductivity estimations

Part 1 Flow measurements using diapers

Plank	The plank number
Diaper	The diaper number applied downwards
O_length	The ”length” following the borehole circumference starting at centreline of the tunnel facing east and running clock-wise
Depth	Centre of each diaper at borehole depth
Date_start	Start of measurement
Weight_start	Weight of diaper at the start of the measurement, grams
Date_end	Stop of measurement
Weight_end	Weight of diaper at the end of the measurement, grams
Weight_diff	Difference in weight between start and stop time, grams
Q_corrected	The calculated flowrate of each area covered by a diaper, m^3/s, after reducing the weight_diff with the reference value 6 grams.

Plank	Diaper	O_length (m)	Depth (m)	Date_start	Weight_start (g)	Date_end	Weight_end (g)	Weight_diff (g)	Q_corrected (m^3/s)	Q_corrected (l/min)
Upper 01	1	0	-1.4875	2002-01-18 08:36	38.48	2002-01-24 08:43	42.29	3.81	-3.39E-12	-2.04E-07
Upper 01	2	0	-1.8625	2002-01-18 08:36	39.94	2002-01-24 08:43	43.8	3.86	-3.30E-12	-1.98E-07
Upper 01	3	0	-2.2375	2002-01-18 08:36	37.7	2002-01-24 08:43	42.55	4.85	-1.39E-12	-8.33E-08
Upper 01	4	0	-2.6125	2002-01-18 08:36	40.04	2002-01-24 08:43	44.6	4.56	-1.95E-12	-1.17E-07
Upper 01	5	0	-2.9875	2002-01-18 08:36	40.53	2002-01-24 08:43	45.86	5.33	-4.63E-13	-2.78E-08
Upper 01	6	0	-3.3625	2002-01-18 08:36	39.78	2002-01-24 08:43	43.97	4.19	-2.66E-12	-1.60E-07
Upper 01	7	0	-3.7375	2002-01-18 08:36	37.85	2002-01-24 08:43	42.86	5.01	-1.08E-12	-6.48E-08
Upper 01	8	0	-4.1125	2002-01-18 08:36	35.76	2002-01-24 08:43	40.56	4.8	-1.48E-12	-8.90E-08
Upper 02	1	0.141	-1.4875	2002-01-18 08:40	39.14	2002-01-24 08:40	43.22	4.08	-2.87E-12	-1.72E-07
Upper 02	2	0.141	-1.8625	2002-01-18 08:40	39.7	2002-01-24 08:40	43.61	3.91	-3.20E-12	-1.92E-07
Upper 02	3	0.141	-2.2375	2002-01-18 08:40	36.94	2002-01-24 08:40	41.85	4.91	-1.27E-12	-7.64E-08
Upper 02	4	0.141	-2.6125	2002-01-18 08:40	37.93	2002-01-24 08:40	57.33	19.4	2.67E-11	1.60E-06
Upper 02	5	0.141	-2.9875	2002-01-18 08:40	39.42	2002-01-24 08:40	43.4	3.98	-3.07E-12	-1.84E-07
Upper 02	6	0.141	-3.3625	2002-01-18 08:40	37	2002-01-24 08:40	42.54	5.54	-5.79E-14	-3.47E-09
Upper 02	7	0.141	-3.7375	2002-01-18 08:40	40.25	2002-01-24 08:40	44.65	4.4	-2.26E-12	-1.35E-07
Upper 02	8	0.141	-4.1125	2002-01-18 08:40	39	2002-01-24 08:40	43.2	4.2	-2.64E-12	-1.59E-07
Upper 03	1	0.282	-1.4875	2002-01-18 08:45	37.08	2002-01-24 08:35	41.92	4.84	-1.41E-12	-8.46E-08
Upper 03	2	0.282	-1.8625	2002-01-18 08:45	38.6	2002-01-24 08:35	43.14	4.54	-1.99E-12	-1.19E-07
Upper 03	3	0.282	-2.2375	2002-01-18 08:45	38.19	2002-01-24 08:35	42.44	4.25	-2.55E-12	-1.53E-07
Upper 03	4	0.282	-2.6125	2002-01-18 08:45	39.21	2002-01-24 08:35	44.18	4.97	-1.16E-12	-6.95E-08
Upper 03	5	0.282	-2.9875	2002-01-18 08:45	38.6	2002-01-24 08:35	43.05	4.45	-2.16E-12	-1.30E-07
Upper 03	6	0.282	-3.3625	2002-01-18 08:45	37.8	2002-01-24 08:35	42.28	4.48	-2.11E-12	-1.26E-07
Upper 03	7	0.282	-3.7375	2002-01-18 08:45	37.75	2002-01-24 08:35	41.92	4.17	-2.70E-12	-1.62E-07
Upper 03	8	0.282	-4.1125	2002-01-18 08:45	39.29	2002-01-24 08:35	43.19	3.9	-3.23E-12	-1.94E-07
Upper 04	1	0.423	-1.4875	2002-01-18 08:52	38.12	2002-01-24 08:33	41.06	2.94	-5.08E-12	-3.05E-07
Upper 04	2	0.423	-1.8625	2002-01-18 08:52	38.02	2002-01-24 08:33	41.58	3.56	-3.89E-12	-2.33E-07
Upper 04	3	0.423	-2.2375	2002-01-18 08:52	38.84	2002-01-24 08:33	42.33	3.49	-4.02E-12	-2.41E-07
Upper 04	4	0.423	-2.6125	2002-01-18 08:52	40.82	2002-01-24 08:33	44.08	3.26	-4.47E-12	-2.68E-07
Upper 04	5	0.423	-2.9875	2002-01-18 08:52	40	2002-01-24 08:33	43.75	3.75	-3.52E-12	-2.11E-07
Upper 04	6	0.423	-3.3625	2002-01-18 08:52	38.92	2002-01-24 08:33	42.33	3.41	-4.18E-12	-2.51E-07
Upper 04	7	0.423	-3.7375	2002-01-18 08:52	38.84	2002-01-24 08:33	42.38	3.54	-3.92E-12	-2.35E-07
Upper 04	8	0.423	-4.1125	2002-01-18 08:52	39.44	2002-01-24 08:33	42.94	3.5	-4.00E-12	-2.40E-07
Upper 05	1	0.564	-1.4875	2002-01-09 12:04	37.27	2002-01-17 12:00	41.01	3.74	-2.65E-12	-1.59E-07
Upper 05	2	0.564	-1.8625	2002-01-09 12:04	38	2002-01-17 12:00	42.26	4.26	-1.90E-12	-1.14E-07
Upper 05	3	0.564	-2.2375	2002-01-09 12:04	40	2002-01-17 12:00	45.11	5.11	-6.66E-13	-3.99E-08
Upper 05	4	0.564	-2.6125	2002-01-09 12:04	38.4	2002-01-17 12:00	43.09	4.69	-1.27E-12	-7.64E-08
Upper 05	5	0.564	-2.9875	2002-01-09 12:04	39.92	2002-01-17 12:00	44.5	4.58	-1.43E-12	-8.60E-08
Upper 05	6	0.564	-3.3625	2002-01-09 12:04	36.25	2002-01-17 12:00	40.91	4.66	-1.32E-12	-7.90E-08
Upper 05	7	0.564	-3.7375	2002-01-09 12:04	39.17	2002-01-17 12:00	44	4.83	-1.07E-12	-6.43E-08
Upper 05	8	0.564	-4.1125	2002-01-09 12:04	38.6	2002-01-17 12:00	45.39	6.79	1.77E-12	1.06E-07
Upper 06	1	0.705	-1.4875	2002-01-09 12:06	39.01	2002-01-17 12:00	42.69	3.68	-2.74E-12	-1.64E-07
Upper 06	2	0.705	-1.8625	2002-01-09 12:06	39.34	2002-01-17 12:00	43.6	4.26	-1.90E-12	-1.14E-07
Upper 06	3	0.705	-2.2375	2002-01-09 12:06	37.36	2002-01-17 12:00	41.28	3.92	-2.39E-12	-1.43E-07
Upper 06	4	0.705	-2.6125	2002-01-09 12:06	37.85	2002-01-17 12:00	41.86	4.01	-2.26E-12	-1.35E-07
Upper 06	5	0.705	-2.9875	2002-01-09 12:06	38.4	2002-01-17 12:00	42.97	4.57	-1.45E-12	-8.69E-08
Upper 06	6	0.705	-3.3625	2002-01-09 12:06	37.67	2002-01-17 12:00	41.93	4.26	-1.90E-12	-1.14E-07
Upper 06	7	0.705	-3.7375	2002-01-09 12:06	38.6	2002-01-17 12:00	43.02	4.42	-1.66E-12	-9.99E-08
Upper 06	8	0.705	-4.1125	2002-01-09 12:06	37.47	2002-01-17 12:00	41.76	4.29	-1.85E-12	-1.11E-07
Upper 07	1	0.846	-1.4875	2002-01-09 12:08	37.51	2002-01-17 12:00	41.45	3.94	-2.36E-12	-1.42E-07
Upper 07	2	0.846	-1.8625	2002-01-09 12:08	39.2	2002-01-17 12:00	43.5	4.3	-1.84E-12	-1.10E-07
Upper 07	3	0.846	-2.2375	2002-01-09 12:08	38.3	2002-01-17 12:00	42.52	4.22	-1.95E-12	-1.17E-07
Upper 07	4	0.846	-2.6125	2002-01-09 12:08	37.76	2002-01-17 12:00	41.55	3.79	-2.58E-12	-1.55E-07
Upper 07	5	0.846	-2.9875	2002-01-09 12:08	38.24	2002-01-17 12:00	42.47	4.23	-1.94E-12	-1.16E-07
Upper 07	6	0.846	-3.3625	2002-01-09 12:08	37.62	2002-01-17 12:00	41.65	4.03	-2.23E-12	-1.34E-07
Upper 07	7	0.846	-3.7375	2002-01-09 12:08	38.39	2002-01-17 12:00	42.53	4.14	-2.07E-12	-1.24E-07
Upper 07	8	0.846	-4.1125	2002-01-09 12:08	38.5	2002-01-17 12:00	42.72	4.22	-1.95E-12	-1.17E-07
Upper 08	1	0.987	-1.4875	2002-01-09 12:10	37.56	2002-01-17 11:17	42.42	4.86	-1.03E-12	-6.19E-08
Upper 08	2	0.987	-1.8625	2002-01-09 12:10	40	2002-01-17 11:17	44.79	4.79	-1.13E-12	-6.80E-08
Upper 08	3	0.987	-2.2375	2002-01-09 12:10	38.2	2002-01-17 11:17	42.7	4.5	-1.56E-12	-9.33E-08
Upper 08	4	0.987	-2.6125	2002-01-09 12:10	39.5	2002-01-17 11:17	43.49	3.99	-2.30E-12	-1.38E-07
Upper 08	5	0.987	-2.9875	2002-01-09 12:10	38.65	2002-01-17 11:17	42.99	4.34	-1.79E-12	-1.07E-07
Upper 08	6	0.987	-3.3625	2002-01-09 12:10	38.17	2002-01-17 11:17	42.96	4.79	-1.13E-12	-6.80E-08
Upper 08	7	0.987	-3.7375	2002-01-09 12:10	38.1	2002-01-17 11:17	43.19	5.09	-6.98E-13	-4.19E-08
Upper 08	8	0.987	-4.1125	2002-01-09 12:10	39.34	2002-01-17 11:17	45.53	6.19	9.01E-13	5.41E-08

Plank	Diaper	O_length (m)	Depth (m)	Date_start	Weight_start (g)	Date_end	Weight_end (g)	Weight_diff (g)	Q_corrected (m^3/s)	Q_corrected (l/min)
Upper 09	1	1.128	-1.4875	2002-01-09 12:14	39.21	2002-01-17 11:20	43.39	4.18	-2.02E-12	-1.21E-07
Upper 09	2	1.128	-1.8625	2002-01-09 12:14	39.4	2002-01-17 11:20	48.26	8.86	4.78E-12	2.87E-07
Upper 09	3	1.128	-2.2375	2002-01-09 12:14	40	2002-01-17 11:20	47.76	7.76	3.18E-12	1.91E-07
Upper 09	4	1.128	-2.6125	2002-01-09 12:14	38.4	2002-01-17 11:20	45.85	7.45	2.73E-12	1.64E-07
Upper 09	5	1.128	-2.9875	2002-01-09 12:14	39.3	2002-01-17 11:20	62.52	23.22	2.57E-11	1.54E-06
Upper 09	6	1.128	-3.3625	2002-01-09 12:14	40.27	2002-01-17 11:20	59.59	19.32	2.00E-11	1.20E-06
Upper 09	7	1.128	-3.7375	2002-01-09 12:14	41.19	2002-01-17 11:20	67.65	26.46	3.04E-11	1.82E-06
Upper 09	8	1.128	-4.1125	2002-01-09 12:14	40.6	2002-01-17 11:20	99.69	59.09	7.78E-11	4.67E-06
Upper 10	1	1.269	-1.4875	2002-01-09 12:15	38.9	2002-01-17 11:23	46.51	7.61	2.96E-12	1.78E-07
Upper 10	2	1.269	-1.8625	2002-01-09 12:15	38.99	2002-01-17 11:23	43.89	4.9	-9.74E-13	-5.84E-08
Upper 10	3	1.269	-2.2375	2002-01-09 12:15	38.25	2002-01-17 11:23	42.98	4.73	-1.22E-12	-7.32E-08
Upper 10	4	1.269	-2.6125	2002-01-09 12:15	39.73	2002-01-17 11:23	44.26	4.53	-1.51E-12	-9.07E-08
Upper 10	5	1.269	-2.9875	2002-01-09 12:15	39.81	2002-01-17 11:23	45.12	5.31	-3.78E-13	-2.27E-08
Upper 10	6	1.269	-3.3625	2002-01-09 12:15	39.4	2002-01-17 11:23	44.7	5.3	-3.92E-13	-2.35E-08
Upper 10	7	1.269	-3.7375	2002-01-09 12:15	40.1	2002-01-17 11:23	51.74	11.64	8.82E-12	5.29E-07
Upper 10	8	1.269	-4.1125	2002-01-09 12:15	38.36	2002-01-17 11:23	65.43	27.07	3.12E-11	1.87E-06
Upper 11	1	1.410	-1.4875	2002-01-09 12:17	41.36	2002-01-17 11:25	45.77	4.41	-1.69E-12	-1.01E-07
Upper 11	2	1.410	-1.8625	2002-01-09 12:17	39	2002-01-17 11:25	43.68	4.68	-1.29E-12	-7.76E-08
Upper 11	3	1.410	-2.2375	2002-01-09 12:17	39.7	2002-01-17 11:25	44.43	4.73	-1.22E-12	-7.32E-08
Upper 11	4	1.410	-2.6125	2002-01-09 12:17	39.12	2002-01-17 11:25	43.69	4.57	-1.45E-12	-8.72E-08
Upper 11	5	1.410	-2.9875	2002-01-09 12:17	40.67	2002-01-17 11:25	47.9	7.23	2.41E-12	1.45E-07
Upper 11	6	1.410	-3.3625	2002-01-09 12:17	37.86	2002-01-17 11:25	42.59	4.73	-1.22E-12	-7.32E-08
Upper 11	7	1.410	-3.7375	2002-01-09 12:17	39.43	2002-01-17 11:25	44.2	4.77	-1.16E-12	-6.98E-08
Upper 11	8	1.410	-4.1125	2002-01-09 12:17	39.55	2002-01-17 11:25	45.7	6.15	8.43E-13	5.06E-08
Upper 12	1	1.551	-1.4875	2002-01-09 12:20	38.81	2002-01-17 11:27	42.5	3.69	-2.73E-12	-1.64E-07
Upper 12	2	1.551	-1.8625	2002-01-09 12:20	37.3	2002-01-17 11:27	41.75	4.45	-1.63E-12	-9.77E-08
Upper 12	3	1.551	-2.2375	2002-01-09 12:20	39.24	2002-01-17 11:27	43.91	4.67	-1.31E-12	-7.85E-08
Upper 12	4	1.551	-2.6125	2002-01-09 12:20	38.29	2002-01-17 11:27	45.75	7.46	2.75E-12	1.65E-07
Upper 12	5	1.551	-2.9875	2002-01-09 12:20	37.6	2002-01-17 11:27	42.16	4.56	-1.47E-12	-8.81E-08
Upper 12	6	1.551	-3.3625	2002-01-09 12:20	39.3	2002-01-17 11:27	44.02	4.72	-1.24E-12	-7.41E-08
Upper 12	7	1.551	-3.7375	2002-01-09 12:20	39.9	2002-01-17 11:27	44.64	4.74	-1.21E-12	-7.24E-08
Upper 12	8	1.551	-4.1125	2002-01-09 12:20	37.57	2002-01-17 11:27	42.02	4.45	-1.63E-12	-9.77E-08
Upper 13	1	1.692	-1.4875	2002-01-09 12:25	37	2002-01-17 11:30	40.52	3.52	-2.98E-12	-1.79E-07
Upper 13	2	1.692	-1.8625	2002-01-09 12:25	38.05	2002-01-17 11:30	42.36	4.31	-1.83E-12	-1.10E-07
Upper 13	3	1.692	-2.2375	2002-01-09 12:25	38.54	2002-01-17 11:30	42.53	3.99	-2.30E-12	-1.38E-07
Upper 13	4	1.692	-2.6125	2002-01-09 12:25	38.03	2002-01-17 11:30	42	3.97	-2.33E-12	-1.40E-07
Upper 13	5	1.692	-2.9875	2002-01-09 12:25	38.16	2002-01-17 11:30	43.04	4.88	-1.00E-12	-6.02E-08
Upper 13	6	1.692	-3.3625	2002-01-09 12:25	37.55	2002-01-17 11:30	42.17	4.62	-1.38E-12	-8.29E-08
Upper 13	7	1.692	-3.7375	2002-01-09 12:25	38.31	2002-01-17 11:30	42.9	4.59	-1.42E-12	-8.55E-08
Upper 13	8	1.692	-4.1125	2002-01-09 12:25	38.39	2002-01-17 11:30	46.16	7.77	3.20E-12	1.92E-07
Upper 14	1	1.833	-1.4875	2002-01-09 12:30	39.17	2002-01-17 11:32	42.43	3.26	-3.36E-12	-2.02E-07
Upper 14	2	1.833	-1.8625	2002-01-09 12:30	39.54	2002-01-17 11:32	43.59	4.05	-2.21E-12	-1.33E-07
Upper 14	3	1.833	-2.2375	2002-01-09 12:30	38.16	2002-01-17 11:32	42.05	3.89	-2.44E-12	-1.47E-07
Upper 14	4	1.833	-2.6125	2002-01-09 12:30	37.3	2002-01-17 11:32	41.26	3.96	-2.34E-12	-1.40E-07
Upper 14	5	1.833	-2.9875	2002-01-09 12:30	39.4	2002-01-17 11:32	44.35	4.95	-9.02E-13	-5.41E-08
Upper 14	6	1.833	-3.3625	2002-01-09 12:30	38.1	2002-01-17 11:32	42.94	4.84	-1.06E-12	-6.37E-08
Upper 14	7	1.833	-3.7375	2002-01-09 12:30	38.74	2002-01-17 11:32	43.62	4.88	-1.00E-12	-6.02E-08
Upper 14	8	1.833	-4.1125	2002-01-09 12:30	39.03	2002-01-17 11:32	54.41	15.38	1.43E-11	8.56E-07
Upper 15	1	1.974	-1.4875	2002-01-09 13:20	38.78	2002-01-17 11:34	39.7	0.92	-6.79E-12	-4.07E-07
Upper 15	2	1.974	-1.8625	2002-01-09 13:20	38.65	2002-01-17 11:34	43.03	4.38	-1.74E-12	-1.04E-07
Upper 15	3	1.974	-2.2375	2002-01-09 13:20	37.09	2002-01-17 11:34	41.59	4.5	-1.56E-12	-9.37E-08
Upper 15	4	1.974	-2.6125	2002-01-09 13:20	40.15	2002-01-17 11:34	45.12	4.97	-8.76E-13	-5.26E-08
Upper 15	5	1.974	-2.9875	2002-01-09 13:20	39.17	2002-01-17 11:34	48.14	8.97	4.96E-12	2.98E-07
Upper 15	6	1.974	-3.3625	2002-01-09 13:20	39.23	2002-01-17 11:34	47.2	7.97	3.50E-12	2.10E-07
Upper 15	7	1.974	-3.7375	2002-01-09 13:20	38.14	2002-01-17 11:34	48.73	10.59	7.33E-12	4.40E-07
Upper 15	8	1.974	-4.1125	2002-01-09 13:20	37.88	2002-01-17 11:34	88.92	51.04	6.64E-11	3.98E-06
Upper 16	1	2.115	-1.4875	2002-01-09 13:27	39.13	2002-01-17 11:35	43.29	4.16	-2.06E-12	-1.24E-07
Upper 16	2	2.115	-1.8625	2002-01-09 13:27	38.36	2002-01-17 11:35	44.72	6.36	1.15E-12	6.92E-08
Upper 16	3	2.115	-2.2375	2002-01-09 13:27	38.1	2002-01-17 11:35	46.73	8.63	4.47E-12	2.68E-07
Upper 16	4	2.115	-2.6125	2002-01-09 13:27	38.62	2002-01-17 11:35	45.08	6.46	1.30E-12	7.80E-08
Upper 16	5	2.115	-2.9875	2002-01-09 13:27	37.75	2002-01-17 11:35	54.62	16.87	1.65E-11	9.91E-07
Upper 16	6	2.115	-3.3625	2002-01-09 13:27	38.35	2002-01-17 11:35	73.66	35.31	4.34E-11	2.61E-06
Upper 16	7	2.115	-3.7375	2002-01-09 13:27	39.3	2002-01-17 11:35	66.91	27.61	3.22E-11	1.93E-06
Upper 16	8	2.115	-4.1125	2002-01-09 13:27	39.87	2002-01-17 11:35	66.96	27.09	3.14E-11	1.89E-06

Plank	Diaper	O_length (m)	Depth (m)	Date_start	Weight_start (g)	Date_end	Weight_end (g)	Weight_diff (g)	Q_corrected (m^3/s)	Q_corrected (l/min)
Upper 17	1	2.256	-1.4875	2002-01-09 13:30	40.68	2002-01-17 11:37	58.59	17.91	1.80E-11	1.08E-06
Upper 17	2	2.256	-1.8625	2002-01-09 13:30	38.63	2002-01-17 11:37	54.31	15.68	1.48E-11	8.86E-07
Upper 17	3	2.256	-2.2375	2002-01-09 13:30	37.29	2002-01-17 11:37	66.05	28.76	3.39E-11	2.03E-06
Upper 17	4	2.256	-2.6125	2002-01-09 13:30	37.62	2002-01-17 11:37	47.36	9.74	6.09E-12	3.66E-07
Upper 17	5	2.256	-2.9875	2002-01-09 13:30	37.62	2002-01-17 11:37	50.76	13.14	1.11E-11	6.64E-07
Upper 17	6	2.256	-3.3625	2002-01-09 13:30	37.55	2002-01-17 11:37	56.75	19.2	1.99E-11	1.19E-06
Upper 17	7	2.256	-3.7375	2002-01-09 13:30	37.9	2002-01-17 11:37	67.12	29.22	3.46E-11	2.07E-06
Upper 17	8	2.256	-4.1125	2002-01-09 13:30	38.06	2002-01-17 11:37	64.51	26.45	3.05E-11	1.83E-06
Upper 18	1	2.396	-1.4875	2002-01-09 13:32	39.87	2002-01-17 11:42	204.18	164.31	2.32E-10	1.39E-05
Upper 18	2	2.396	-1.8625	2002-01-09 13:32	39	2002-01-17 11:42	207.68	168.68	2.38E-10	1.43E-05
Upper 18	3	2.396	-2.2375	2002-01-09 13:32	37.8	2002-01-17 11:42	60.23	22.43	2.46E-11	1.48E-06
Upper 18	4	2.396	-2.6125	2002-01-09 13:32	37.66	2002-01-17 11:42	47.45	9.79	6.16E-12	3.70E-07
Upper 18	5	2.396	-2.9875	2002-01-09 13:32	38.33	2002-01-17 11:42	47.23	8.9	4.86E-12	2.92E-07
Upper 18	6	2.396	-3.3625	2002-01-09 13:32	39.22	2002-01-17 11:42	45.04	5.82	3.65E-13	2.19E-08
Upper 18	7	2.396	-3.7375	2002-01-09 13:32	37.85	2002-01-17 11:42	47.39	9.54	5.80E-12	3.48E-07
Upper 18	8	2.396	-4.1125	2002-01-09 13:32	37.53	2002-01-17 11:42	44.16	6.63	1.55E-12	9.29E-08
Upper 19	1	2.537	-1.4875	2002-01-09 13:35	38.5	2002-01-17 11:42	234.76	196.26	2.79E-10	1.67E-05
Upper 19	2	2.537	-1.8625	2002-01-09 13:35	37.9	2002-01-17 11:42	266.44	228.54	3.26E-10	1.95E-05
Upper 19	3	2.537	-2.2375	2002-01-09 13:35	37.3	2002-01-17 11:42	232.41	195.11	2.77E-10	1.66E-05
Upper 19	4	2.537	-2.6125	2002-01-09 13:35	36.9	2002-01-17 11:42	198.53	161.63	2.28E-10	1.37E-05
Upper 19	5	2.537	-2.9875	2002-01-09 13:35	38.15	2002-01-17 11:42	171.44	133.29	1.87E-10	1.12E-05
Upper 19	6	2.537	-3.3625	2002-01-09 13:35	39.53	2002-01-17 11:42	53.44	13.91	1.22E-11	7.31E-07
Upper 19	7	2.537	-3.7375	2002-01-09 13:35	37.35	2002-01-17 11:42	43.62	6.27	1.02E-12	6.14E-08
Upper 19	8	2.537	-4.1125	2002-01-09 13:35	38.96	2002-01-17 11:42	46	7.04	2.15E-12	1.29E-07
Upper 20	1	2.678	-1.4875	2002-01-09 13:37	39.18	2002-01-17 11:44	252.36	213.18	3.03E-10	1.82E-05
Upper 20	2	2.678	-1.8625	2002-01-09 13:37	37	2002-01-17 11:44	252.54	215.54	3.07E-10	1.84E-05
Upper 20	3	2.678	-2.2375	2002-01-09 13:37	38.91	2002-01-17 11:44	157.64	118.73	1.65E-10	9.92E-06
Upper 20	4	2.678	-2.6125	2002-01-09 13:37	37.23	2002-01-17 11:44	56.96	19.73	2.07E-11	1.24E-06
Upper 20	5	2.678	-2.9875	2002-01-09 13:37	38.63	2002-01-17 11:44	58.39	19.76	2.07E-11	1.24E-06
Upper 20	6	2.678	-3.3625	2002-01-09 13:37	39.32	2002-01-17 11:44	57.34	18.02	1.82E-11	1.09E-06
Upper 20	7	2.678	-3.7375	2002-01-09 13:37	39.3	2002-01-17 11:44	52.6	13.3	1.13E-11	6.78E-07
Upper 20	8	2.678	-4.1125	2002-01-09 13:37	39.58	2002-01-17 11:44	176.68	137.1	1.92E-10	1.15E-05
Upper 21	1	2.819	-1.4875	2002-01-09 13:40	40.73	2002-01-17 11:45	177.17	136.44	1.91E-10	1.15E-05
Upper 21	2	2.819	-1.8625	2002-01-09 13:40	38.34	2002-01-17 11:45	307.46	269.12	3.85E-10	2.31E-05
Upper 21	3	2.819	-2.2375	2002-01-09 13:40	37.77	2002-01-17 11:45	382.06	344.29	4.95E-10	2.97E-05
Upper 21	4	2.819	-2.6125	2002-01-09 13:40	38.21	2002-01-17 11:45	274.51	236.3	3.37E-10	2.02E-05
Upper 21	5	2.819	-2.9875	2002-01-09 13:40	40.18	2002-01-17 11:45	282.62	242.44	3.46E-10	2.08E-05
Upper 21	6	2.819	-3.3625	2002-01-09 13:40	37.4	2002-01-17 11:45	286.8	249.4	3.56E-10	2.14E-05
Upper 21	7	2.819	-3.7375	2002-01-09 13:40	37.32	2002-01-17 11:45	322.14	284.82	4.08E-10	2.45E-05
Upper 21	8	2.819	-4.1125	2002-01-09 13:40	37.84	2002-01-17 11:45	285.04	247.2	3.53E-10	2.12E-05
Upper 22	1	2.960	-1.4875	2002-01-09 13:43	37	2002-01-17 11:47	190.69	153.69	2.16E-10	1.30E-05
Upper 22	2	2.960	-1.8625	2002-01-09 13:43	38.8	2002-01-17 11:47	298.67	259.87	3.72E-10	2.23E-05
Upper 22	3	2.960	-2.2375	2002-01-09 13:43	37.81	2002-01-17 11:47	276.76	238.95	3.41E-10	2.05E-05
Upper 22	4	2.960	-2.6125	2002-01-09 13:43	39.6	2002-01-17 11:47	257.9	218.3	3.11E-10	1.87E-05
Upper 22	5	2.960	-2.9875	2002-01-09 13:43	40.41	2002-01-17 11:47	257.04	216.63	3.08E-10	1.85E-05
Upper 22	6	2.960	-3.3625	2002-01-09 13:43	38.42	2002-01-17 11:47	283	244.58	3.49E-10	2.10E-05
Upper 22	7	2.960	-3.7375	2002-01-09 13:43	37.3	2002-01-17 11:47	245.18	207.88	2.96E-10	1.77E-05
Upper 22	8	2.960	-4.1125	2002-01-09 13:43	37.36	2002-01-17 11:47	152.5	115.14	1.60E-10	9.61E-06
Upper 23	1	3.101	-1.4875	2002-01-09 13:47	38.52	2002-01-17 11:50	221.82	183.3	2.60E-10	1.56E-05
Upper 23	2	3.101	-1.8625	2002-01-09 13:47	38	2002-01-17 11:50	188	150	2.11E-10	1.27E-05
Upper 23	3	3.101	-2.2375	2002-01-09 13:47	39.23	2002-01-17 11:50	70.04	30.81	3.69E-11	2.21E-06
Upper 23	4	3.101	-2.6125	2002-01-09 13:47	37.52	2002-01-17 11:50	42.69	5.17	-5.85E-13	-3.51E-08
Upper 23	5	3.101	-2.9875	2002-01-09 13:47	38.24	2002-01-17 11:50	45.1	6.86	1.89E-12	1.13E-07
Upper 23	6	3.101	-3.3625	2002-01-09 13:47	38	2002-01-17 11:50	45.98	7.98	3.52E-12	2.11E-07
Upper 23	7	3.101	-3.7375	2002-01-09 13:47	36.76	2002-01-17 11:50	42.77	6.01	6.43E-13	3.86E-08
Upper 23	8	3.101	-4.1125	2002-01-09 13:47	38.52	2002-01-17 11:50	43.98	5.46	-1.61E-13	-9.65E-09
Upper 24	1	3.242	-1.4875	2002-01-09 13:50	36.9	2002-01-17 11:52	215.41	178.51	2.53E-10	1.52E-05
Upper 24	2	3.242	-1.8625	2002-01-09 13:50	37.6	2002-01-17 11:52	199.65	162.05	2.29E-10	1.37E-05
Upper 24	3	3.242	-2.2375	2002-01-09 13:50	38.67	2002-01-17 11:52	95.55	56.88	7.50E-11	4.50E-06
Upper 24	4	3.242	-2.6125	2002-01-09 13:50	38.8	2002-01-17 11:52	45.18	6.38	1.18E-12	7.10E-08
Upper 24	5	3.242	-2.9875	2002-01-09 13:50	37.35	2002-01-17 11:52	42.39	5.04	-7.75E-13	-4.65E-08
Upper 24	6	3.242	-3.3625	2002-01-09 13:50	38.8	2002-01-17 11:52	48.29	9.49	5.73E-12	3.44E-07
Upper 24	7	3.242	-3.7375	2002-01-09 13:50	37.69	2002-01-17 11:52	42.79	5.1	-6.87E-13	-4.12E-08
Upper 24	8	3.242	-4.1125	2002-01-09 13:50	37.12	2002-01-17 11:52	42.41	5.29	-4.09E-13	-2.46E-08

Plank	Diaper	O_length (m)	Depth (m)	Date_start	Weight_start (g)	Date_end	Weight_end (g)	Weight_diff (g)	Q_corrected (m^3/s)	Q_corrected (l/min)
Upper 25	1	3.383	-1.4875	2002-01-09 13:55	39	2002-01-17 11:55	202.91	163.91	2.31E-10	1.39E-05
Upper 25	2	3.383	-1.8625	2002-01-09 13:55	38.5	2002-01-17 11:55	213.75	175.25	2.48E-10	1.49E-05
Upper 25	3	3.383	-2.2375	2002-01-09 13:55	38.32	2002-01-17 11:55	67.51	29.19	3.45E-11	2.07E-06
Upper 25	4	3.383	-2.6125	2002-01-09 13:55	38	2002-01-17 11:55	47.12	9.12	5.19E-12	3.11E-07
Upper 25	5	3.383	-2.9875	2002-01-09 13:55	38.37	2002-01-17 11:55	43.29	4.92	-9.50E-13	-5.70E-08
Upper 25	6	3.383	-3.3625	2002-01-09 13:55	38	2002-01-17 11:55	42.7	4.7	-1.27E-12	-7.63E-08
Upper 25	7	3.383	-3.7375	2002-01-09 13:55	37.33	2002-01-17 11:55	42.09	4.76	-1.18E-12	-7.11E-08
Upper 25	8	3.383	-4.1125	2002-01-09 13:55	37.76	2002-01-17 11:55	42.58	4.82	-1.10E-12	-6.58E-08
Upper 26	1	3.524	-1.4875	2002-01-09 13:52	39.4	2002-01-17 12:00	138.28	98.88	1.36E-10	8.18E-06
Upper 26	2	3.524	-1.8625	2002-01-09 13:52	38.85	2002-01-17 12:00	44.62	5.77	2.92E-13	1.75E-08
Upper 26	3	3.524	-2.2375	2002-01-09 13:52	37.96	2002-01-17 12:00	42.82	4.86	-1.04E-12	-6.22E-08
Upper 26	4	3.524	-2.6125	2002-01-09 13:52	39.98	2002-01-17 12:00	44.5	4.52	-1.53E-12	-9.20E-08
Upper 26	5	3.524	-2.9875	2002-01-09 13:52	38.33	2002-01-17 12:00	45.49	7.16	2.32E-12	1.39E-07
Upper 26	6	3.524	-3.3625	2002-01-09 13:52	37.3	2002-01-17 12:00	42.13	4.83	-1.08E-12	-6.49E-08
Upper 26	7	3.524	-3.7375	2002-01-09 13:52	39.05	2002-01-17 12:00	44.18	5.13	-6.43E-13	-3.86E-08
Upper 26	8	3.524	-4.1125	2002-01-09 13:52	39.7	2002-01-17 12:00	45.07	5.37	-2.92E-13	-1.75E-08
Upper 27	1	3.665	-1.4875	2002-01-09 14:00	39.04	2002-01-17 12:00	142.04	103	1.42E-10	8.55E-06
Upper 27	2	3.665	-1.8625	2002-01-09 14:00	38.33	2002-01-17 12:00	45.1	6.77	1.75E-12	1.05E-07
Upper 27	3	3.665	-2.2375	2002-01-09 14:00	38.8	2002-01-17 12:00	43.67	4.87	-1.02E-12	-6.14E-08
Upper 27	4	3.665	-2.6125	2002-01-09 14:00	39.1	2002-01-17 12:00	43.4	4.3	-1.86E-12	-1.11E-07
Upper 27	5	3.665	-2.9875	2002-01-09 14:00	37.65	2002-01-17 12:00	42.65	5	-8.33E-13	-5.00E-08
Upper 27	6	3.665	-3.3625	2002-01-09 14:00	37.86	2002-01-17 12:00	42.73	4.87	-1.02E-12	-6.14E-08
Upper 27	7	3.665	-3.7375	2002-01-09 14:00	36.96	2002-01-17 12:00	41.9	4.94	-9.21E-13	-5.53E-08
Upper 27	8	3.665	-4.1125	2002-01-09 14:00	39	2002-01-17 12:00	44.29	5.29	-4.09E-13	-2.46E-08
Upper 28	1	3.806	-1.4875	2002-01-09 14:04	39.02	2002-01-17 12:02	99.14	60.12	7.98E-11	4.79E-06
Upper 28	2	3.806	-1.8625	2002-01-09 14:04	39.9	2002-01-17 12:02	46.07	6.17	8.77E-13	5.26E-08
Upper 28	3	3.806	-2.2375	2002-01-09 14:04	39.3	2002-01-17 12:02	44.17	4.87	-1.02E-12	-6.14E-08
Upper 28	4	3.806	-2.6125	2002-01-09 14:04	38.4	2002-01-17 12:02	42.66	4.26	-1.92E-12	-1.15E-07
Upper 28	5	3.806	-2.9875	2002-01-09 14:04	38.14	2002-01-17 12:02	43.8	5.66	1.32E-13	7.90E-09
Upper 28	6	3.806	-3.3625	2002-01-09 14:04	41.21	2002-01-17 12:02	46.84	5.63	8.77E-14	5.26E-09
Upper 28	7	3.806	-3.7375	2002-01-09 14:04	40.54	2002-01-17 12:02	45.56	5.02	-8.04E-13	-4.83E-08
Upper 28	8	3.806	-4.1125	2002-01-09 14:04	38.62	2002-01-17 12:02	43.75	5.13	-6.43E-13	-3.86E-08
Upper 29	1	3.947	-1.4875	2002-01-09 14:06	38.14	2002-01-17 12:04	59.98	21.84	2.38E-11	1.43E-06
Upper 29	2	3.947	-1.8625	2002-01-09 14:06	38.67	2002-01-17 12:04	44.5	5.83	3.80E-13	2.28E-08
Upper 29	3	3.947	-2.2375	2002-01-09 14:06	39	2002-01-17 12:04	43.6	4.6	-1.42E-12	-8.51E-08
Upper 29	4	3.947	-2.6125	2002-01-09 14:06	36.25	2002-01-17 12:04	40.36	4.11	-2.13E-12	-1.28E-07
Upper 29	5	3.947	-2.9875	2002-01-09 14:06	38.69	2002-01-17 12:04	44.52	5.83	3.80E-13	2.28E-08
Upper 29	6	3.947	-3.3625	2002-01-09 14:06	37.93	2002-01-17 12:04	42.21	4.28	-1.89E-12	-1.13E-07
Upper 29	7	3.947	-3.7375	2002-01-09 14:06	38.05	2002-01-17 12:04	42.8	4.75	-1.20E-12	-7.19E-08
Upper 29	8	3.947	-4.1125	2002-01-09 14:06	41.35	2002-01-17 12:04	46.41	5.06	-7.46E-13	-4.47E-08
Upper 30	1	4.088	-1.4875	2002-01-09 14:09	38.5	2002-01-17 12:05	53.28	14.78	1.35E-11	8.08E-07
Upper 30	2	4.088	-1.8625	2002-01-09 14:09	37.18	2002-01-17 12:05	42.87	5.69	1.76E-13	1.05E-08
Upper 30	3	4.088	-2.2375	2002-01-09 14:09	38.49	2002-01-17 12:05	43.26	4.77	-1.17E-12	-7.02E-08
Upper 30	4	4.088	-2.6125	2002-01-09 14:09	38.06	2002-01-17 12:05	45.54	7.48	2.79E-12	1.68E-07
Upper 30	5	4.088	-2.9875	2002-01-09 14:09	38.55	2002-01-17 12:05	43.44	4.89	-9.95E-13	-5.97E-08
Upper 30	6	4.088	-3.3625	2002-01-09 14:09	37.2	2002-01-17 12:05	41.91	4.71	-1.26E-12	-7.55E-08
Upper 30	7	4.088	-3.7375	2002-01-09 14:09	38.4	2002-01-17 12:05	43.44	5.04	-7.75E-13	-4.65E-08
Upper 30	8	4.088	-4.1125	2002-01-09 14:09	38	2002-01-17 12:05	42.82	4.82	-1.10E-12	-6.58E-08
Upper 31	1	4.229	-1.4875	2002-01-18 08:12	39.35	2002-01-24 10:10	43.73	4.38	-2.26E-12	-1.36E-07
Upper 31	2	4.229	-1.8625	2002-01-18 08:12	43.04	2002-01-24 10:10	47.17	4.13	-2.74E-12	-1.64E-07
Upper 31	3	4.229	-2.2375	2002-01-18 08:12	39.28	2002-01-24 10:10	42.92	3.64	-3.67E-12	-2.20E-07
Upper 31	4	4.229	-2.6125	2002-01-18 08:12	42.93	2002-01-24 10:10	47.45	4.52	-2.00E-12	-1.20E-07
Upper 31	5	4.229	-2.9875	2002-01-18 08:12	39.78	2002-01-24 10:10	44.12	4.34	-2.34E-12	-1.40E-07
Upper 31	6	4.229	-3.3625	2002-01-18 08:12	42.24	2002-01-24 10:10	46.41	4.17	-2.66E-12	-1.60E-07
Upper 31	7	4.229	-3.7375	2002-01-18 08:12	41.25	2002-01-24 10:10	45.3	4.05	-2.89E-12	-1.74E-07
Upper 31	8	4.229	-4.1125	2002-01-18 08:12	42.93	2002-01-24 10:10	46.8	3.87	-3.24E-12	-1.94E-07
Upper 32	1	4.370	-1.4875	2002-01-18 08:15	42.22	2002-01-24 10:05	46.53	4.31	-2.40E-12	-1.44E-07
Upper 32	2	4.370	-1.8625	2002-01-18 08:15	44.09	2002-01-24 10:05	47.9	3.81	-3.35E-12	-2.01E-07
Upper 32	3	4.370	-2.2375	2002-01-18 08:15	42.07	2002-01-24 10:05	45.87	3.8	-3.37E-12	-2.02E-07
Upper 32	4	4.370	-2.6125	2002-01-18 08:15	42.09	2002-01-24 10:05	46.37	4.28	-2.46E-12	-1.47E-07
Upper 32	5	4.370	-2.9875	2002-01-18 08:15	42.93	2002-01-24 10:05	47.06	4.13	-2.74E-12	-1.65E-07
Upper 32	6	4.370	-3.3625	2002-01-18 08:15	42.37	2002-01-24 10:05	46.38	4.01	-2.97E-12	-1.78E-07
Upper 32	7	4.370	-3.7375	2002-01-18 08:15	43.89	2002-01-24 10:05	48.1	4.21	-2.59E-12	-1.55E-07
Upper 32	8	4.370	-4.1125	2002-01-18 08:15	42	2002-01-24 10:05	45.47	3.47	-4.00E-12	-2.40E-07

Plank	Diaper	O_length (m)	Depth (m)	Date_start	Weight_start (g)	Date_end	Weight_end (g)	Weight_diff (g)	Q_corrected (m^3/s)	Q_corrected (l/min)
Upper 33	1	4.511	-1.4875	2002-01-18 08:18	39.2	2002-01-24 10:00	43.81	4.61	-1.83E-12	-1.10E-07
Upper 33	2	4.511	-1.8625	2002-01-18 08:18	38.64	2002-01-24 10:00	42.23	3.59	-3.77E-12	-2.26E-07
Upper 33	3	4.511	-2.2375	2002-01-18 08:18	38.89	2002-01-24 10:00	42.6	3.71	-3.55E-12	-2.13E-07
Upper 33	4	4.511	-2.6125	2002-01-18 08:18	38.45	2002-01-24 10:00	42.68	4.23	-2.55E-12	-1.53E-07
Upper 33	5	4.511	-2.9875	2002-01-18 08:18	39.67	2002-01-24 10:00	43.36	3.69	-3.58E-12	-2.15E-07
Upper 33	6	4.511	-3.3625	2002-01-18 08:18	40.36	2002-01-24 10:00	44.23	3.87	-3.24E-12	-1.94E-07
Upper 33	7	4.511	-3.7375	2002-01-18 08:18	39.24	2002-01-24 10:00	42.86	3.62	-3.72E-12	-2.23E-07
Upper 33	8	4.511	-4.1125	2002-01-18 08:18	38	2002-01-24 10:00	42.03	4.03	-2.94E-12	-1.76E-07
Upper 34	1	4.652	-1.4875	2002-01-18 08:20	39.49	2002-01-24 09:57	43.46	3.97	-3.05E-12	-1.83E-07
Upper 34	2	4.652	-1.8625	2002-01-18 08:20	39.35	2002-01-24 09:57	42.98	3.63	-3.70E-12	-2.22E-07
Upper 34	3	4.652	-2.2375	2002-01-18 08:20	40.16	2002-01-24 09:57	43.76	3.6	-3.76E-12	-2.25E-07
Upper 34	4	4.652	-2.6125	2002-01-18 08:20	37.4	2002-01-24 09:57	40.95	3.55	-3.85E-12	-2.31E-07
Upper 34	5	4.652	-2.9875	2002-01-18 08:20	40.38	2002-01-24 09:57	44.38	4	-2.99E-12	-1.80E-07
Upper 34	6	4.652	-3.3625	2002-01-18 08:20	40.6	2002-01-24 09:57	44.99	4.39	-2.25E-12	-1.35E-07
Upper 34	7	4.652	-3.7375	2002-01-18 08:20	39.77	2002-01-24 09:57	43.67	3.9	-3.19E-12	-1.91E-07
Upper 34	8	4.652	-4.1125	2002-01-18 08:20	41.84	2002-01-24 09:57	46.08	4.24	-2.54E-12	-1.52E-07
Upper 35	1	4.793	-1.4875	2002-01-18 08:25	40.55	2002-01-24 09:54	44.45	3.9	-3.19E-12	-1.91E-07
Upper 35	2	4.793	-1.8625	2002-01-18 08:25	36.46	2002-01-24 09:54	39.85	3.39	-4.16E-12	-2.50E-07
Upper 35	3	4.793	-2.2375	2002-01-18 08:25	38.86	2002-01-24 09:54	42.33	3.47	-4.01E-12	-2.41E-07
Upper 35	4	4.793	-2.6125	2002-01-18 08:25	40.39	2002-01-24 09:54	44.15	3.76	-3.46E-12	-2.07E-07
Upper 35	5	4.793	-2.9875	2002-01-18 08:25	39.8	2002-01-24 09:54	44.88	5.08	-9.36E-13	-5.61E-08
Upper 35	6	4.793	-3.3625	2002-01-18 08:25	37.56	2002-01-24 09:54	41.23	3.67	-3.63E-12	-2.18E-07
Upper 35	7	4.793	-3.7375	2002-01-18 08:25	38.9	2002-01-24 09:54	42.79	3.89	-3.21E-12	-1.92E-07
Upper 35	8	4.793	-4.1125	2002-01-18 08:25	41.11	2002-01-24 09:54	45.31	4.2	-2.62E-12	-1.57E-07
Upper 36	1	4.934	-1.4875	2002-01-18 08:30	38.12	2002-01-24 09:50	41.47	3.35	-4.24E-12	-2.55E-07
Upper 36	2	4.934	-1.8625	2002-01-18 08:30	38.8	2002-01-24 09:50	42	3.2	-4.53E-12	-2.72E-07
Upper 36	3	4.934	-2.2375	2002-01-18 08:30	38.34	2002-01-24 09:50	41.8	3.46	-4.03E-12	-2.42E-07
Upper 36	4	4.934	-2.6125	2002-01-18 08:30	39.11	2002-01-24 09:50	43.1	3.99	-3.02E-12	-1.81E-07
Upper 36	5	4.934	-2.9875	2002-01-18 08:30	38.74	2002-01-24 09:50	42.58	3.84	-3.31E-12	-1.98E-07
Upper 36	6	4.934	-3.3625	2002-01-18 08:30	40.44	2002-01-24 09:50	44.26	3.82	-3.34E-12	-2.01E-07
Upper 36	7	4.934	-3.7375	2002-01-18 08:30	38.71	2002-01-24 09:50	42.34	3.63	-3.71E-12	-2.22E-07
Upper 36	8	4.934	-4.1125	2002-01-18 08:30	38	2002-01-24 09:50	42.18	4.18	-2.66E-12	-1.59E-07
Upper 37	1	5.075	-1.4875	2002-01-18 08:30	37.96	2002-01-24 08:51	41.55	3.59	-3.81E-12	-2.29E-07
Upper 37	2	5.075	-1.8625	2002-01-18 08:30	39.97	2002-01-24 08:51	43.37	3.4	-4.18E-12	-2.51E-07
Upper 37	3	5.075	-2.2375	2002-01-18 08:30	40	2002-01-24 08:51	43.55	3.55	-3.89E-12	-2.33E-07
Upper 37	4	5.075	-2.6125	2002-01-18 08:30	40.27	2002-01-24 08:51	43.81	3.54	-3.91E-12	-2.34E-07
Upper 37	5	5.075	-2.9875	2002-01-18 08:30	39.2	2002-01-24 08:51	42.89	3.69	-3.62E-12	-2.17E-07
Upper 37	6	5.075	-3.3625	2002-01-18 08:30	39.76	2002-01-24 08:51	43.18	3.42	-4.14E-12	-2.48E-07
Upper 37	7	5.075	-3.7375	2002-01-18 08:30	38.9	2002-01-24 08:51	42.7	3.8	-3.41E-12	-2.04E-07
Upper 37	8	5.075	-4.1125	2002-01-18 08:30	39	2002-01-24 08:51	43.4	4.4	-2.25E-12	-1.35E-07
Upper 38	1	5.216	-1.4875	2002-01-18 08:32	39.61	2002-01-24 08:49	43.28	3.67	-3.66E-12	-2.19E-07
Upper 38	2	5.216	-1.8625	2002-01-18 08:32	39.71	2002-01-24 08:49	43.32	3.61	-3.77E-12	-2.26E-07
Upper 38	3	5.216	-2.2375	2002-01-18 08:32	40	2002-01-24 08:49	44.18	4.18	-2.68E-12	-1.61E-07
Upper 38	4	5.216	-2.6125	2002-01-18 08:32	39.3	2002-01-24 08:49	42.77	3.47	-4.04E-12	-2.43E-07
Upper 38	5	5.216	-2.9875	2002-01-18 08:32	38	2002-01-24 08:49	41.8	3.8	-3.41E-12	-2.04E-07
Upper 38	6	5.216	-3.3625	2002-01-18 08:32	39.87	2002-01-24 08:49	43.49	3.62	-3.75E-12	-2.25E-07
Upper 38	7	5.216	-3.7375	2002-01-18 08:32	39.86	2002-01-24 08:49	44.12	4.26	-2.52E-12	-1.51E-07
Upper 38	8	5.216	-4.1125	2002-01-18 08:32	38.33	2002-01-24 08:49	42.86	4.53	-2.00E-12	-1.20E-07
Upper 39	1	5.357	-1.4875	2002-01-18 08:35	39.46	2002-01-24 08:46	43.39	3.93	-3.16E-12	-1.90E-07
Upper 39	2	5.357	-1.8625	2002-01-18 08:35	39.85	2002-01-24 08:46	43.82	3.97	-3.08E-12	-1.85E-07
Upper 39	3	5.357	-2.2375	2002-01-18 08:35	38.92	2002-01-24 08:46	43.17	4.25	-2.54E-12	-1.53E-07
Upper 39	4	5.357	-2.6125	2002-01-18 08:35	40.46	2002-01-24 08:46	44.31	3.85	-3.31E-12	-1.99E-07
Upper 39	5	5.357	-2.9875	2002-01-18 08:35	37.92	2002-01-24 08:46	42.15	4.23	-2.58E-12	-1.55E-07
Upper 39	6	5.357	-3.3625	2002-01-18 08:35	38.35	2002-01-24 08:46	42.56	4.21	-2.62E-12	-1.57E-07
Upper 39	7	5.357	-3.7375	2002-01-18 08:35	39	2002-01-24 08:46	43.52	4.52	-2.02E-12	-1.21E-07
Upper 39	8	5.357	-4.1125	2002-01-18 08:35	36.6	2002-01-24 08:46	42.49	5.89	6.16E-13	3.70E-08

Plank	Diaper	O_length (m)	Depth (m)	Date_start	Weight_start (g)	Date_end	Weight_end (g)	Weight_diff (g)	Q_corrected (m^3/s)	Q_corrected (l/min)
Lower 01	1	0.000	-4.7875	2002-01-18 07:55	40.21	2002-01-24 07:45	43.77	3.56	-3.88E-12	-2.33E-07
Lower 01	2	0.000	-5.1625	2002-01-18 07:55	40.07	2002-01-24 07:45	44.15	4.08	-2.88E-12	-1.73E-07
Lower 01	3	0.000	-5.5375	2002-01-18 07:55	41.95	2002-01-24 07:45	46.22	4.27	-2.51E-12	-1.51E-07
Lower 01	4	0.000	-5.9125	2002-01-18 07:55	40.98	2002-01-24 07:45	44.22	3.24	-4.50E-12	-2.70E-07
Lower 01	5	0.000	-6.2875	2002-01-18 07:55	38.16	2002-01-24 07:45	42.49	4.33	-2.39E-12	-1.44E-07
Lower 01	6	0.000	-6.6625	2002-01-18 07:55	41.85	2002-01-24 07:45	47.06	5.21	-6.95E-13	-4.17E-08
Lower 01	7	0.000	-7.0375	2002-01-18 07:55	41.14	2002-01-24 07:45	45.49	4.35	-2.36E-12	-1.41E-07
Lower 01	8	0.000	-7.4125	2002-01-18 07:55	39.76	2002-01-24 07:45	43.92	4.16	-2.72E-12	-1.63E-07
Lower 02	1	0.141	-4.7875	2002-01-18 07:58	39.65	2002-01-24 07:45	43.48	3.83	-3.36E-12	-2.02E-07
Lower 02	2	0.141	-5.1625	2002-01-18 07:58	40.09	2002-01-24 07:45	44.62	4.53	-2.01E-12	-1.21E-07
Lower 02	3	0.141	-5.5375	2002-01-18 07:58	38.91	2002-01-24 07:45	42.68	3.77	-3.48E-12	-2.09E-07
Lower 02	4	0.141	-5.9125	2002-01-18 07:58	40.94	2002-01-24 07:45	44.47	3.53	-3.94E-12	-2.36E-07
Lower 02	5	0.141	-6.2875	2002-01-18 07:58	39.39	2002-01-24 07:45	43.18	3.79	-3.44E-12	-2.06E-07
Lower 02	6	0.141	-6.6625	2002-01-18 07:58	40.2	2002-01-24 07:45	44.09	3.89	-3.25E-12	-1.95E-07
Lower 02	7	0.141	-7.0375	2002-01-18 07:58	40.78	2002-01-24 07:45	45.3	4.52	-2.03E-12	-1.22E-07
Lower 02	8	0.141	-7.4125	2002-01-18 07:58	39.8	2002-01-24 07:45	43.82	4.02	-2.99E-12	-1.80E-07
Lower 03	1	0.282	-4.7875	2002-01-18 07:59	43.06	2002-01-24 07:55	46.08	3.02	-4.92E-12	-2.95E-07
Lower 03	2	0.282	-5.1625	2002-01-18 07:59	40.13	2002-01-24 07:55	43.22	3.09	-4.79E-12	-2.87E-07
Lower 03	3	0.282	-5.5375	2002-01-18 07:59	43.76	2002-01-24 07:55	47.15	3.39	-4.21E-12	-2.52E-07
Lower 03	4	0.282	-5.9125	2002-01-18 07:59	42.03	2002-01-24 07:55	45.45	3.42	-4.15E-12	-2.49E-07
Lower 03	5	0.282	-6.2875	2002-01-18 07:59	43.12	2002-01-24 07:55	47.05	3.93	-3.17E-12	-1.90E-07
Lower 03	6	0.282	-6.6625	2002-01-18 07:59	40.56	2002-01-24 07:55	44.04	3.48	-4.03E-12	-2.42E-07
Lower 03	7	0.282	-7.0375	2002-01-18 07:59	43.1	2002-01-24 07:55	49.38	6.28	1.37E-12	8.22E-08
Lower 03	8	0.282	-7.4125	2002-01-18 07:59	42.54	2002-01-24 07:55	46.62	4.08	-2.88E-12	-1.73E-07
Lower 04	1	0.423	-4.7875	2002-01-18 08:00	42.8	2002-01-24 08:15	46.03	3.23	-4.51E-12	-2.70E-07
Lower 04	2	0.423	-5.1625	2002-01-18 08:00	43.5	2002-01-24 08:15	47.05	3.55	-3.89E-12	-2.33E-07
Lower 04	3	0.423	-5.5375	2002-01-18 08:00	42.13	2002-01-24 08:15	45.75	3.62	-3.76E-12	-2.25E-07
Lower 04	4	0.423	-5.9125	2002-01-18 08:00	41.82	2002-01-24 08:15	45.59	3.77	-3.47E-12	-2.08E-07
Lower 04	5	0.423	-6.2875	2002-01-18 08:00	43.69	2002-01-24 08:15	48.42	4.73	-1.62E-12	-9.71E-08
Lower 04	6	0.423	-6.6625	2002-01-18 08:00	40.99	2002-01-24 08:15	44.25	3.26	-4.45E-12	-2.67E-07
Lower 04	7	0.423	-7.0375	2002-01-18 08:00	41.3	2002-01-24 08:15	46.78	5.48	-1.73E-13	-1.04E-08
Lower 04	8	0.423	-7.4125	2002-01-18 08:00	43	2002-01-24 08:15	47.15	4.15	-2.73E-12	-1.64E-07
Lower 05	1	0.564	-4.7875	2002-01-08 15:42	39	2002-01-17 08:13	43.52	4.52	-1.40E-12	-8.39E-08
Lower 05	2	0.564	-5.1625	2002-01-08 15:42	39.93	2002-01-17 08:13	44.75	4.82	-9.99E-13	-5.99E-08
Lower 05	3	0.564	-5.5375	2002-01-08 15:42	40	2002-01-17 08:13	45.2	5.2	-4.93E-13	-2.96E-08
Lower 05	4	0.564	-5.9125	2002-01-08 15:42	37.77	2002-01-17 08:13	42.37	4.6	-1.29E-12	-7.75E-08
Lower 05	5	0.564	-6.2875	2002-01-08 15:42	37.93	2002-01-17 08:13	44.9	6.97	1.87E-12	1.12E-07
Lower 05	6	0.564	-6.6625	2002-01-08 15:42	37.44	2002-01-17 08:13	47.12	9.68	5.48E-12	3.29E-07
Lower 05	7	0.564	-7.0375	2002-01-08 15:42	38.47	2002-01-17 08:13	50.76	12.29	8.95E-12	5.37E-07
Lower 05	8	0.564	-7.4125	2002-01-08 15:42	39.56	2002-01-17 08:13	45.33	5.77	2.66E-13	1.60E-08
Lower 06	1	0.705	-4.7875	2002-01-09 07:20	38.05	2002-01-17 08:15	40.28	2.23	-4.81E-12	-2.89E-07
Lower 06	2	0.705	-5.1625	2002-01-09 07:20	37.51	2002-01-17 08:15	39.45	1.94	-5.23E-12	-3.14E-07
Lower 06	3	0.705	-5.5375	2002-01-09 07:20	38.77	2002-01-17 08:15	39.17	0.4	-7.44E-12	-4.47E-07
Lower 06	4	0.705	-5.9125	2002-01-09 07:20	38.18	2002-01-17 08:15	40.64	2.46	-4.48E-12	-2.69E-07
Lower 06	5	0.705	-6.2875	2002-01-09 07:20	36.78	2002-01-17 08:15	40.86	4.08	-2.15E-12	-1.29E-07
Lower 06	6	0.705	-6.6625	2002-01-09 07:20	37.72	2002-01-17 08:15	42	4.28	-1.86E-12	-1.11E-07
Lower 06	7	0.705	-7.0375	2002-01-09 07:20	37.8	2002-01-17 08:15	48.48	10.68	7.36E-12	4.41E-07
Lower 06	8	0.705	-7.4125	2002-01-09 07:20	38.45	2002-01-17 08:15	44	5.55	-2.88E-14	-1.73E-09
Lower 07	1	0.846	-4.7875	2002-01-09 07:27	39.41	2002-01-17 08:18	44.33	4.92	-9.36E-13	-5.62E-08
Lower 07	2	0.846	-5.1625	2002-01-09 07:27	37.53	2002-01-17 08:18	42.5	4.97	-8.64E-13	-5.19E-08
Lower 07	3	0.846	-5.5375	2002-01-09 07:27	38.54	2002-01-17 08:18	43.44	4.9	-9.65E-13	-5.79E-08
Lower 07	4	0.846	-5.9125	2002-01-09 07:27	37.23	2002-01-17 08:18	42.06	4.83	-1.07E-12	-6.40E-08
Lower 07	5	0.846	-6.2875	2002-01-09 07:27	37.59	2002-01-17 08:18	42.92	5.33	-3.46E-13	-2.07E-08
Lower 07	6	0.846	-6.6625	2002-01-09 07:27	38.19	2002-01-17 08:18	43.5	5.31	-3.74E-13	-2.25E-08
Lower 07	7	0.846	-7.0375	2002-01-09 07:27	37.8	2002-01-17 08:18	44.88	7.08	2.17E-12	1.30E-07
Lower 07	8	0.846	-7.4125	2002-01-09 07:27	37.37	2002-01-17 08:18	43.18	5.81	3.46E-13	2.07E-08
Lower 08	1	0.987	-4.7875	2002-01-09 07:27	38.69	2002-01-17 08:20	45.93	7.24	2.41E-12	1.44E-07
Lower 08	2	0.987	-5.1625	2002-01-09 07:27	37.47	2002-01-17 08:20	43.17	5.7	1.87E-13	1.12E-08
Lower 08	3	0.987	-5.5375	2002-01-09 07:27	37.43	2002-01-17 08:20	42.8	5.37	-2.88E-13	-1.73E-08
Lower 08	4	0.987	-5.9125	2002-01-09 07:27	38.27	2002-01-17 08:20	43.72	5.45	-1.73E-13	-1.04E-08
Lower 08	5	0.987	-6.2875	2002-01-09 07:27	36.95	2002-01-17 08:20	43.44	6.49	1.32E-12	7.95E-08
Lower 08	6	0.987	-6.6625	2002-01-09 07:27	37.94	2002-01-17 08:20	43.54	5.6	4.32E-14	2.59E-09
Lower 08	7	0.987	-7.0375	2002-01-09 07:27	38.11	2002-01-17 08:20	43.57	5.46	-1.58E-13	-9.50E-09
Lower 08	8	0.987	-7.4125	2002-01-09 07:27	37.4	2002-01-17 08:20	44.2	6.8	1.77E-12	1.06E-07

Plank	Diaper	O_length (m)	Depth (m)	Date_start	Weight_start (g)	Date_end	Weight_end (g)	Weight_diff (g)	Q_corrected (m^3/s)	Q_corrected (l/min)
Lower 09	1	1.128	-4.7875	2002-01-09 07:30	38.95	2002-01-17 08:22	156.84	117.89	1.62E-10	9.71E-06
Lower 09	2	1.128	-5.1625	2002-01-09 07:30	37.88	2002-01-17 08:22	57.22	19.34	1.98E-11	1.19E-06
Lower 09	3	1.128	-5.5375	2002-01-09 07:30	38.78	2002-01-17 08:22	50.42	11.64	8.74E-12	5.25E-07
Lower 09	4	1.128	-5.9125	2002-01-09 07:30	38.72	2002-01-17 08:22	45.9	7.18	2.32E-12	1.39E-07
Lower 09	5	1.128	-6.2875	2002-01-09 07:30	38.12	2002-01-17 08:22	45.98	7.86	3.30E-12	1.98E-07
Lower 09	6	1.128	-6.6625	2002-01-09 07:30	39.5	2002-01-17 08:22	45.24	5.74	2.45E-13	1.47E-08
Lower 09	7	1.128	-7.0375	2002-01-09 07:30	39.3	2002-01-17 08:22	48.71	9.41	5.53E-12	3.32E-07
Lower 09	8	1.128	-7.4125	2002-01-09 07:30	39.04	2002-01-17 08:22	48.45	9.41	5.53E-12	3.32E-07
Lower 10	1	1.269	-4.7875	2002-01-09 07:34	37.85	2002-01-17 08:25	193.06	155.21	2.16E-10	1.29E-05
Lower 10	2	1.269	-5.1625	2002-01-09 07:34	37.43	2002-01-17 08:25	227.18	189.75	2.65E-10	1.59E-05
Lower 10	3	1.269	-5.5375	2002-01-09 07:34	37.6	2002-01-17 08:25	242.18	204.58	2.87E-10	1.72E-05
Lower 10	4	1.269	-5.9125	2002-01-09 07:34	39.03	2002-01-17 08:25	137.06	98.03	1.33E-10	7.99E-06
Lower 10	5	1.269	-6.2875	2002-01-09 07:34	38.04	2002-01-17 08:25	227.15	189.11	2.64E-10	1.59E-05
Lower 10	6	1.269	-6.6625	2002-01-09 07:34	40.03	2002-01-17 08:25	242.74	202.71	2.84E-10	1.70E-05
Lower 10	7	1.269	-7.0375	2002-01-09 07:34	38.9	2002-01-17 08:25	233.01	194.11	2.72E-10	1.63E-05
Lower 10	8	1.269	-7.4125	2002-01-09 07:34	38.85	2002-01-17 08:25	136.1	97.25	1.32E-10	7.92E-06
Lower 11	1	1.410	-4.7875	2002-01-09 07:36	37.78	2002-01-17 08:27	184.95	147.17	2.04E-10	1.22E-05
Lower 11	2	1.410	-5.1625	2002-01-09 07:36	38.55	2002-01-17 08:27	214.48	175.93	2.45E-10	1.47E-05
Lower 11	3	1.410	-5.5375	2002-01-09 07:36	39.45	2002-01-17 08:27	170.71	131.26	1.81E-10	1.09E-05
Lower 11	4	1.410	-5.9125	2002-01-09 07:36	38.11	2002-01-17 08:27	162.82	124.71	1.72E-10	1.03E-05
Lower 11	5	1.410	-6.2875	2002-01-09 07:36	36.9	2002-01-17 08:27	168.92	132.02	1.82E-10	1.09E-05
Lower 11	6	1.410	-6.6625	2002-01-09 07:36	37.42	2002-01-17 08:27	186.93	149.51	2.07E-10	1.24E-05
Lower 11	7	1.410	-7.0375	2002-01-09 07:36	38.28	2002-01-17 08:27	165.72	127.44	1.76E-10	1.05E-05
Lower 11	8	1.410	-7.4125	2002-01-09 07:36	39.6	2002-01-17 08:27	210.64	171.04	2.38E-10	1.43E-05
Lower 12	1	1.551	-4.7875	2002-01-09 07:40	37.83	2002-01-17 08:30	115.33	77.5	1.04E-10	6.22E-06
Lower 12	2	1.551	-5.1625	2002-01-09 07:40	38.6	2002-01-17 08:30	222.12	183.52	2.56E-10	1.54E-05
Lower 12	3	1.551	-5.5375	2002-01-09 07:40	38.45	2002-01-17 08:30	163.2	124.75	1.72E-10	1.03E-05
Lower 12	4	1.551	-5.9125	2002-01-09 07:40	36.82	2002-01-17 08:30	205.35	168.53	2.35E-10	1.41E-05
Lower 12	5	1.551	-6.2875	2002-01-09 07:40	37	2002-01-17 08:30	286.82	249.82	3.52E-10	2.11E-05
Lower 12	6	1.551	-6.6625	2002-01-09 07:40	37.9	2002-01-17 08:30	290.8	252.9	3.56E-10	2.14E-05
Lower 12	7	1.551	-7.0375	2002-01-09 07:40	36.77	2002-01-17 08:30	305.97	269.2	3.80E-10	2.28E-05
Lower 12	8	1.551	-7.4125	2002-01-09 07:40	37.59	2002-01-17 08:30	296.27	258.68	3.65E-10	2.19E-05
Lower 13	1	1.692	-4.7875	2002-01-09 07:44	38.69	2002-01-17 08:32	177.8	139.11	1.92E-10	1.15E-05
Lower 13	2	1.692	-5.1625	2002-01-09 07:44	37	2002-01-17 08:32	53.75	16.75	1.61E-11	9.66E-07
Lower 13	3	1.692	-5.5375	2002-01-09 07:44	37.09	2002-01-17 08:32	72.74	35.65	4.33E-11	2.60E-06
Lower 13	4	1.692	-5.9125	2002-01-09 07:44	38.21	2002-01-17 08:32	121.13	82.92	1.11E-10	6.69E-06
Lower 13	5	1.692	-6.2875	2002-01-09 07:44	38.63	2002-01-17 08:32	99.14	60.51	7.92E-11	4.75E-06
Lower 13	6	1.692	-6.6625	2002-01-09 07:44	36.32	2002-01-17 08:32	44.66	8.34	3.99E-12	2.39E-07
Lower 13	7	1.692	-7.0375	2002-01-09 07:44	35.4	2002-01-17 08:32	79.7	44.3	5.58E-11	3.35E-06
Lower 13	8	1.692	-7.4125	2002-01-09 07:44	37.6	2002-01-17 08:32	74.26	36.66	4.48E-11	2.69E-06
Lower 14	1	1.833	-4.7875	2002-01-09 07:50	38.03	2002-01-17 08:34	219.89	181.86	2.54E-10	1.52E-05
Lower 14	2	1.833	-5.1625	2002-01-09 07:50	38.58	2002-01-17 08:34	228.29	189.71	2.65E-10	1.59E-05
Lower 14	3	1.833	-5.5375	2002-01-09 07:50	38.58	2002-01-17 08:34	119.75	81.17	1.09E-10	6.54E-06
Lower 14	4	1.833	-5.9125	2002-01-09 07:50	36.85	2002-01-17 08:34	91.36	54.51	7.05E-11	4.23E-06
Lower 14	5	1.833	-6.2875	2002-01-09 07:50	37.23	2002-01-17 08:34	64.82	27.59	3.17E-11	1.90E-06
Lower 14	6	1.833	-6.6625	2002-01-09 07:50	38.25	2002-01-17 08:34	44.01	5.76	2.74E-13	1.64E-08
Lower 14	7	1.833	-7.0375	2002-01-09 07:50	38.26	2002-01-17 08:34	44.21	5.95	5.48E-13	3.29E-08
Lower 14	8	1.833	-7.4125	2002-01-09 07:50	37.83	2002-01-17 08:34	44.53	6.7	1.63E-12	9.77E-08
Lower 15	1	1.974	-4.7875	2002-01-09 08:00	41.29	2002-01-17 08:35	216.66	175.37	2.45E-10	1.47E-05
Lower 15	2	1.974	-5.1625	2002-01-09 08:00	39.24	2002-01-17 08:35	66.84	27.6	3.18E-11	1.91E-06
Lower 15	3	1.974	-5.5375	2002-01-09 08:00	39.12	2002-01-17 08:35	58.46	19.34	1.99E-11	1.19E-06
Lower 15	4	1.974	-5.9125	2002-01-09 08:00	39.37	2002-01-17 08:35	64.18	24.81	2.78E-11	1.67E-06
Lower 15	5	1.974	-6.2875	2002-01-09 08:00	37.8	2002-01-17 08:35	61.36	23.56	2.59E-11	1.56E-06
Lower 15	6	1.974	-6.6625	2002-01-09 08:00	38.56	2002-01-17 08:35	43.76	5.2	-5.34E-13	-3.20E-08
Lower 15	7	1.974	-7.0375	2002-01-09 08:00	36.55	2002-01-17 08:35	41.44	4.89	-9.81E-13	-5.88E-08
Lower 15	8	1.974	-7.4125	2002-01-09 08:00	37.8	2002-01-17 08:35	43.93	6.13	8.08E-13	4.85E-08
Lower 16	1	2.115	-4.7875	2002-01-09 08:09	38.54	2002-01-17 08:37	95.12	56.58	7.36E-11	4.42E-06
Lower 16	2	2.115	-5.1625	2002-01-09 08:09	38.72	2002-01-17 08:37	54.92	16.2	1.53E-11	9.21E-07
Lower 16	3	2.115	-5.5375	2002-01-09 08:09	37.44	2002-01-17 08:37	43.64	6.2	9.09E-13	5.46E-08
Lower 16	4	2.115	-5.9125	2002-01-09 08:09	38.1	2002-01-17 08:37	44.27	6.17	8.66E-13	5.20E-08
Lower 16	5	2.115	-6.2875	2002-01-09 08:09	37.2	2002-01-17 08:37	43.1	5.9	4.76E-13	2.86E-08
Lower 16	6	2.115	-6.6625	2002-01-09 08:09	36.36	2002-01-17 08:37	41.92	5.56	-1.44E-14	-8.66E-10
Lower 16	7	2.115	-7.0375	2002-01-09 08:09	37.17	2002-01-17 08:37	42.63	5.46	-1.59E-13	-9.53E-09
Lower 16	8	2.115	-7.4125	2002-01-09 08:09	37.77	2002-01-17 08:37	44.03	6.26	9.96E-13	5.98E-08

Plank	Diaper	O_length (m)	Depth (m)	Date_start	Weight_start (g)	Date_end	Weight_end (g)	Weight_diff (g)	Q_corrected (m^3/s)	Q_corrected (l/min)
Lower 17	1	2.256	-4.7875	2002-01-09 08:11	38.22	2002-01-17 08:40	44.97	6.75	1.70E-12	1.02E-07
Lower 17	2	2.256	-5.1625	2002-01-09 08:11	37.28	2002-01-17 08:40	42.85	5.57	0.00E+00	0.00E+00
Lower 17	3	2.256	-5.5375	2002-01-09 08:11	38.72	2002-01-17 08:40	44.2	5.48	-1.30E-13	-7.79E-09
Lower 17	4	2.256	-5.9125	2002-01-09 08:11	37.84	2002-01-17 08:40	43.03	5.19	-5.48E-13	-3.29E-08
Lower 17	5	2.256	-6.2875	2002-01-09 08:11	39.11	2002-01-17 08:40	44.9	5.79	3.17E-13	1.90E-08
Lower 17	6	2.256	-6.6625	2002-01-09 08:11	37.89	2002-01-17 08:40	43.8	5.91	4.91E-13	2.94E-08
Lower 17	7	2.256	-7.0375	2002-01-09 08:11	37.7	2002-01-17 08:40	44.54	6.84	1.83E-12	1.10E-07
Lower 17	8	2.256	-7.4125	2002-01-09 08:11	39.3	2002-01-17 08:40	47.2	7.9	3.36E-12	2.02E-07
Lower 18	1	2.396	-4.7875	2002-01-09 08:14	39	2002-01-17 08:42	45.98	6.98	2.03E-12	1.22E-07
Lower 18	2	2.396	-5.1625	2002-01-09 08:14	37.46	2002-01-17 08:42	41.42	3.96	-2.32E-12	-1.39E-07
Lower 18	3	2.396	-5.5375	2002-01-09 08:14	37.88	2002-01-17 08:42	43.83	5.95	5.48E-13	3.29E-08
Lower 18	4	2.396	-5.9125	2002-01-09 08:14	36.92	2002-01-17 08:42	42.86	5.94	5.34E-13	3.20E-08
Lower 18	5	2.396	-6.2875	2002-01-09 08:14	38.19	2002-01-17 08:42	44.85	6.66	1.57E-12	9.44E-08
Lower 18	6	2.396	-6.6625	2002-01-09 08:14	40.54	2002-01-17 08:42	47.92	7.38	2.61E-12	1.57E-07
Lower 18	7	2.396	-7.0375	2002-01-09 08:14	39.21	2002-01-17 08:42	47.65	8.44	4.14E-12	2.49E-07
Lower 18	8	2.396	-7.4125	2002-01-09 08:14	39.31	2002-01-17 08:42	47.75	8.44	4.14E-12	2.49E-07
Lower 19	1	2.537	-4.7875	2002-01-09 08:14	40.4	2002-01-17 08:43	58.87	18.47	1.86E-11	1.12E-06
Lower 19	2	2.537	-5.1625	2002-01-09 08:14	38.91	2002-01-17 08:43	47.82	8.91	4.82E-12	2.89E-07
Lower 19	3	2.537	-5.5375	2002-01-09 08:14	37.66	2002-01-17 08:43	45.3	7.64	2.99E-12	1.79E-07
Lower 19	4	2.537	-5.9125	2002-01-09 08:14	38.92	2002-01-17 08:43	45.14	6.22	9.38E-13	5.63E-08
Lower 19	5	2.537	-6.2875	2002-01-09 08:14	37	2002-01-17 08:43	44.97	7.97	3.46E-12	2.08E-07
Lower 19	6	2.537	-6.6625	2002-01-09 08:14	37.8	2002-01-17 08:43	43.9	6.1	7.65E-13	4.59E-08
Lower 19	7	2.537	-7.0375	2002-01-09 08:14	36.67	2002-01-17 08:43	44.42	7.75	3.15E-12	1.89E-07
Lower 19	8	2.537	-7.4125	2002-01-09 08:14	38.28	2002-01-17 08:43	45.78	7.5	2.79E-12	1.67E-07
Lower 20	1	2.678	-4.7875	2002-01-09 08:21	37.54	2002-01-17 08:45	237.45	199.91	2.81E-10	1.68E-05
Lower 20	2	2.678	-5.1625	2002-01-09 08:21	38.15	2002-01-17 08:45	166.06	127.91	1.77E-10	1.06E-05
Lower 20	3	2.678	-5.5375	2002-01-09 08:21	39.33	2002-01-17 08:45	72.16	32.83	3.94E-11	2.36E-06
Lower 20	4	2.678	-5.9125	2002-01-09 08:21	38.7	2002-01-17 08:45	47.06	8.36	4.03E-12	2.42E-07
Lower 20	5	2.678	-6.2875	2002-01-09 08:21	38.14	2002-01-17 08:45	44.9	6.76	1.72E-12	1.03E-07
Lower 20	6	2.678	-6.6625	2002-01-09 08:21	37.7	2002-01-17 08:45	43.71	6.01	6.35E-13	3.81E-08
Lower 20	7	2.678	-7.0375	2002-01-09 08:21	38.1	2002-01-17 08:45	44.73	6.63	1.53E-12	9.18E-08
Lower 20	8	2.678	-7.4125	2002-01-09 08:21	38.12	2002-01-17 08:45	45.08	6.96	2.01E-12	1.20E-07
Lower 21	1	2.819	-4.7875	2002-01-09 08:25	37.32	2002-01-17 08:48	234.66	197.34	2.77E-10	1.66E-05
Lower 21	2	2.819	-5.1625	2002-01-09 08:25	37.9	2002-01-17 08:48	176.19	138.29	1.92E-10	1.15E-05
Lower 21	3	2.819	-5.5375	2002-01-09 08:25	38.7	2002-01-17 08:48	117.36	78.66	1.06E-10	6.33E-06
Lower 21	4	2.819	-5.9125	2002-01-09 08:25	37.23	2002-01-17 08:48	66.93	29.7	3.48E-11	2.09E-06
Lower 21	5	2.819	-6.2875	2002-01-09 08:25	38.4	2002-01-17 08:48	46.07	7.67	3.03E-12	1.82E-07
Lower 21	6	2.819	-6.6625	2002-01-09 08:25	37.14	2002-01-17 08:48	42.98	5.84	3.90E-13	2.34E-08
Lower 21	7	2.819	-7.0375	2002-01-09 08:25	37.39	2002-01-17 08:48	43.29	5.9	4.76E-13	2.86E-08
Lower 21	8	2.819	-7.4125	2002-01-09 08:25	37.64	2002-01-17 08:48	43.35	5.71	2.02E-13	1.21E-08
Lower 22	1	2.960	-4.7875	2002-01-09 08:34	38.4	2002-01-17 08:50	51.35	12.95	1.07E-11	6.40E-07
Lower 22	2	2.960	-5.1625	2002-01-09 08:34	38.13	2002-01-17 08:50	46.44	8.31	3.96E-12	2.38E-07
Lower 22	3	2.960	-5.5375	2002-01-09 08:34	38.92	2002-01-17 08:50	51.38	12.46	9.95E-12	5.97E-07
Lower 22	4	2.960	-5.9125	2002-01-09 08:34	38.07	2002-01-17 08:50	43.75	5.68	1.59E-13	9.54E-09
Lower 22	5	2.960	-6.2875	2002-01-09 08:34	36.89	2002-01-17 08:50	42.97	6.08	7.37E-13	4.42E-08
Lower 22	6	2.960	-6.6625	2002-01-09 08:34	37.3	2002-01-17 08:50	42.76	5.46	-1.59E-13	-9.54E-09
Lower 22	7	2.960	-7.0375	2002-01-09 08:34	37.3	2002-01-17 08:50	42.02	4.72	-1.23E-12	-7.37E-08
Lower 22	8	2.960	-7.4125	2002-01-09 08:34	38.85	2002-01-17 08:50	43.9	5.05	-7.51E-13	-4.51E-08
Lower 23	1	3.101	-4.7875	2002-01-09 08:45	38	2002-01-17 09:55	43.82	5.82	3.60E-13	2.16E-08
Lower 23	2	3.101	-5.1625	2002-01-09 08:45	38.72	2002-01-17 09:55	45.84	7.12	2.23E-12	1.34E-07
Lower 23	3	3.101	-5.5375	2002-01-09 08:45	37.98	2002-01-17 09:55	44.16	6.18	8.77E-13	5.26E-08
Lower 23	4	3.101	-5.9125	2002-01-09 08:45	38.86	2002-01-17 09:55	43.99	5.13	-6.33E-13	-3.80E-08
Lower 23	5	3.101	-6.2875	2002-01-09 08:45	39.56	2002-01-17 09:55	45.09	5.53	-5.75E-14	-3.45E-09
Lower 23	6	3.101	-6.6625	2002-01-09 08:45	39.68	2002-01-17 09:55	45.51	5.83	3.74E-13	2.24E-08
Lower 23	7	3.101	-7.0375	2002-01-09 08:45	38.17	2002-01-17 09:55	43.26	5.09	-6.90E-13	-4.14E-08
Lower 23	8	3.101	-7.4125	2002-01-09 08:45	37.41	2002-01-17 09:55	41.84	4.43	-1.64E-12	-9.84E-08
Lower 24	1	3.242	-4.7875	2002-01-09 08:50	37.81	2002-01-17 10:00	43.94	6.13	8.05E-13	4.83E-08
Lower 24	2	3.242	-5.1625	2002-01-09 08:50	37.14	2002-01-17 10:00	41.75	4.61	-1.38E-12	-8.28E-08
Lower 24	3	3.242	-5.5375	2002-01-09 08:50	37.56	2002-01-17 10:00	42.25	4.69	-1.27E-12	-7.59E-08
Lower 24	4	3.242	-5.9125	2002-01-09 08:50	38.42	2002-01-17 10:00	43.22	4.8	-1.11E-12	-6.64E-08
Lower 24	5	3.242	-6.2875	2002-01-09 08:50	37.57	2002-01-17 10:00	43.56	5.99	6.04E-13	3.62E-08
Lower 24	6	3.242	-6.6625	2002-01-09 08:50	38.4	2002-01-17 10:00	45.54	7.14	2.26E-12	1.35E-07
Lower 24	7	3.242	-7.0375	2002-01-09 08:50	37.92	2002-01-17 10:00	42.6	4.68	-1.28E-12	-7.68E-08
Lower 24	8	3.242	-7.4125	2002-01-09 08:50	36.95	2002-01-17 10:00	41.07	4.12	-2.09E-12	-1.25E-07

Plank	Diaper	O_length (m)	Depth (m)	Date_start	Weight_start (g)	Date_end	Weight_end (g)	Weight_diff (g)	Q_corrected (m^3/s)	Q_corrected (l/min)
Lower 25	1	3.383	-4.7875	2002-01-09 08:55	38.7	2002-01-17 10:02	43.67	4.97	-8.63E-13	-5.18E-08
Lower 25	2	3.383	-5.1625	2002-01-09 08:55	38.3	2002-01-17 10:02	43.14	4.84	-1.05E-12	-6.30E-08
Lower 25	3	3.383	-5.5375	2002-01-09 08:55	40.45	2002-01-17 10:02	45.62	5.17	-5.75E-13	-3.45E-08
Lower 25	4	3.383	-5.9125	2002-01-09 08:55	36.7	2002-01-17 10:02	41.61	4.91	-9.49E-13	-5.70E-08
Lower 25	5	3.383	-6.2875	2002-01-09 08:55	38.72	2002-01-17 10:02	48.59	9.87	6.19E-12	3.71E-07
Lower 25	6	3.383	-6.6625	2002-01-09 08:55	38.92	2002-01-17 10:02	64.02	25.1	2.81E-11	1.69E-06
Lower 25	7	3.383	-7.0375	2002-01-09 08:55	38.64	2002-01-17 10:02	44.52	5.88	4.46E-13	2.68E-08
Lower 25	8	3.383	-7.4125	2002-01-09 08:55	37.72	2002-01-17 10:02	43.08	5.36	-3.02E-13	-1.81E-08
Lower 26	1	3.524	-4.7875	2002-01-09 08:58	37.42	2002-01-17 10:05	41.71	4.29	-1.84E-12	-1.10E-07
Lower 26	2	3.524	-5.1625	2002-01-09 08:58	38.23	2002-01-17 10:05	42.66	4.43	-1.64E-12	-9.84E-08
Lower 26	3	3.524	-5.5375	2002-01-09 08:58	37.93	2002-01-17 10:05	42.39	4.46	-1.60E-12	-9.58E-08
Lower 26	4	3.524	-5.9125	2002-01-09 08:58	37.92	2002-01-17 10:05	42.34	4.42	-1.65E-12	-9.92E-08
Lower 26	5	3.524	-6.2875	2002-01-09 08:58	38.53	2002-01-17 10:05	45.83	7.3	2.49E-12	1.49E-07
Lower 26	6	3.524	-6.6625	2002-01-09 08:58	39.84	2002-01-17 10:05	221.7	181.86	2.54E-10	1.52E-05
Lower 26	7	3.524	-7.0375	2002-01-09 08:58	36.87	2002-01-17 10:05	63.08	26.21	2.97E-11	1.78E-06
Lower 26	8	3.524	-7.4125	2002-01-09 08:58	38.4	2002-01-17 10:05	56.43	18.03	1.79E-11	1.08E-06
Lower 27	1	3.665	-4.7875	2002-01-09 09:55	39.53	2002-01-17 10:07	43.79	4.26	-1.89E-12	-1.14E-07
Lower 27	2	3.665	-5.1625	2002-01-09 09:55	39.73	2002-01-17 10:07	44.06	4.33	-1.79E-12	-1.08E-07
Lower 27	3	3.665	-5.5375	2002-01-09 09:55	37.94	2002-01-17 10:07	41.99	4.05	-2.20E-12	-1.32E-07
Lower 27	4	3.665	-5.9125	2002-01-09 09:55	39.08	2002-01-17 10:07	45.11	6.03	6.65E-13	3.99E-08
Lower 27	5	3.665	-6.2875	2002-01-09 09:55	39.49	2002-01-17 10:07	46.14	6.65	1.56E-12	9.37E-08
Lower 27	6	3.665	-6.6625	2002-01-09 09:55	37.4	2002-01-17 10:07	127.1	89.7	1.22E-10	7.30E-06
Lower 27	7	3.665	-7.0375	2002-01-09 09:55	40.66	2002-01-17 10:07	178.51	137.85	1.91E-10	1.15E-05
Lower 27	8	3.665	-7.4125	2002-01-09 09:55	37.89	2002-01-17 10:07	215.43	177.54	2.49E-10	1.49E-05
Lower 28	1	3.806	-4.7875	2002-01-09 10:00	38.72	2002-01-17 10:14	42.43	3.71	-2.69E-12	-1.61E-07
Lower 28	2	3.806	-5.1625	2002-01-09 10:00	38.02	2002-01-17 10:14	42.07	4.05	-2.20E-12	-1.32E-07
Lower 28	3	3.806	-5.5375	2002-01-09 10:00	38.11	2002-01-17 10:14	42.43	4.32	-1.81E-12	-1.08E-07
Lower 28	4	3.806	-5.9125	2002-01-09 10:00	37.62	2002-01-17 10:14	45.6	7.98	3.48E-12	2.09E-07
Lower 28	5	3.806	-6.2875	2002-01-09 10:00	37.7	2002-01-17 10:14	47.16	9.46	5.62E-12	3.37E-07
Lower 28	6	3.806	-6.6625	2002-01-09 10:00	38.67	2002-01-17 10:14	62.51	23.84	2.64E-11	1.58E-06
Lower 28	7	3.806	-7.0375	2002-01-09 10:00	38.16	2002-01-17 10:14	120.22	82.06	1.11E-10	6.63E-06
Lower 28	8	3.806	-7.4125	2002-01-09 10:00	38.96	2002-01-17 10:14	71.48	32.52	3.89E-11	2.34E-06
Lower 29	1	3.947	-4.7875	2002-01-09 10:04	38.4	2002-01-17 10:16	42.06	3.66	-2.76E-12	-1.66E-07
Lower 29	2	3.947	-5.1625	2002-01-09 10:04	37.7	2002-01-17 10:16	42.1	4.4	-1.69E-12	-1.01E-07
Lower 29	3	3.947	-5.5375	2002-01-09 10:04	39.02	2002-01-17 10:16	43.61	4.59	-1.42E-12	-8.50E-08
Lower 29	4	3.947	-5.9125	2002-01-09 10:04	39.82	2002-01-17 10:16	51.62	11.8	9.00E-12	5.40E-07
Lower 29	5	3.947	-6.2875	2002-01-09 10:04	39.35	2002-01-17 10:16	62.14	22.79	2.49E-11	1.49E-06
Lower 29	6	3.947	-6.6625	2002-01-09 10:04	38.62	2002-01-17 10:16	45.38	6.76	1.72E-12	1.03E-07
Lower 29	7	3.947	-7.0375	2002-01-09 10:04	38.6	2002-01-17 10:16	53.47	14.87	1.34E-11	8.06E-07
Lower 29	8	3.947	-7.4125	2002-01-09 10:04	38.63	2002-01-17 10:16	46.03	7.4	2.64E-12	1.59E-07
Lower 30	1	4.088	-4.7875	2002-01-09 10:06	38.02	2002-01-17 10:20	41.55	3.53	-2.95E-12	-1.77E-07
Lower 30	2	4.088	-5.1625	2002-01-09 10:06	38.16	2002-01-17 10:20	42.46	4.3	-1.84E-12	-1.10E-07
Lower 30	3	4.088	-5.5375	2002-01-09 10:06	38.58	2002-01-17 10:20	42.92	4.34	-1.78E-12	-1.07E-07
Lower 30	4	4.088	-5.9125	2002-01-09 10:06	37.94	2002-01-17 10:20	92.62	54.68	7.10E-11	4.26E-06
Lower 30	5	4.088	-6.2875	2002-01-09 10:06	37.45	2002-01-17 10:20	145.58	108.13	1.48E-10	8.89E-06
Lower 30	6	4.088	-6.6625	2002-01-09 10:06	39	2002-01-17 10:20	47.35	8.35	4.02E-12	2.41E-07
Lower 30	7	4.088	-7.0375	2002-01-09 10:06	38.27	2002-01-17 10:20	45.04	6.77	1.73E-12	1.04E-07
Lower 30	8	4.088	-7.4125	2002-01-09 10:06	37.7	2002-01-17 10:20	44.5	6.8	1.78E-12	1.07E-07
Lower 31	1	4.229	-4.7875	2002-01-18 07:29	45.18	2002-01-24 08:20	48.51	3.33	-4.30E-12	-2.58E-07
Lower 31	2	4.229	-5.1625	2002-01-18 07:29	43.36	2002-01-24 08:20	46.64	3.28	-4.39E-12	-2.63E-07
Lower 31	3	4.229	-5.5375	2002-01-18 07:29	45.1	2002-01-24 08:20	48.95	3.85	-3.30E-12	-1.98E-07
Lower 31	4	4.229	-5.9125	2002-01-18 07:29	46.09	2002-01-24 08:20	52.03	5.94	7.10E-13	4.26E-08
Lower 31	5	4.229	-6.2875	2002-01-18 07:29	45.63	2002-01-24 08:20	182.7	137.07	2.52E-10	1.51E-05
Lower 31	6	4.229	-6.6625	2002-01-18 07:29	46.75	2002-01-24 08:20	56.56	9.81	8.13E-12	4.88E-07
Lower 31	7	4.229	-7.0375	2002-01-18 07:29	44.24	2002-01-24 08:20	50.74	6.5	1.78E-12	1.07E-07
Lower 31	8	4.229	-7.4125	2002-01-18 07:29	48.12	2002-01-24 08:20	54.22	6.1	1.02E-12	6.10E-08
Lower 32	1	4.370	-4.7875	2002-01-18 07:30	46.65	2002-01-24 08:25	50.06	3.41	-4.14E-12	-2.48E-07
Lower 32	2	4.370	-5.1625	2002-01-18 07:30	46.75	2002-01-24 08:25	50.7	3.95	-3.11E-12	-1.86E-07
Lower 32	3	4.370	-5.5375	2002-01-18 07:30	45.76	2002-01-24 08:25	49.86	4.1	-2.82E-12	-1.69E-07
Lower 32	4	4.370	-5.9125	2002-01-18 07:30	45.07	2002-01-24 08:25	50.05	4.98	-1.13E-12	-6.79E-08
Lower 32	5	4.370	-6.2875	2002-01-18 07:30	44.39	2002-01-24 08:25	185.7	141.31	2.60E-10	1.56E-05
Lower 32	6	4.370	-6.6625	2002-01-18 07:30	43.19	2002-01-24 08:25	274.03	230.84	4.32E-10	2.59E-05
Lower 32	7	4.370	-7.0375	2002-01-18 07:30	46	2002-01-24 08:25	234.77	188.77	3.51E-10	2.11E-05
Lower 32	8	4.370	-7.4125	2002-01-18 07:30	44.36	2002-01-24 08:25	127.84	83.48	1.49E-10	8.96E-06

Plank	Diaper	O_length (m)	Depth (m)	Date_start	Weight_start (g)	Date_end	Weight_end (g)	Weight_diff (g)	Q_corrected (m^3/s)	Q_corrected (l/min)
Lower 33	1	4.511	-4.7875	2002-01-18 07:31	46.4	2002-01-24 08:30	50.06	3.66	-3.66E-12	-2.20E-07
Lower 33	2	4.511	-5.1625	2002-01-18 07:31	44.61	2002-01-24 08:30	48.5	3.89	-3.22E-12	-1.93E-07
Lower 33	3	4.511	-5.5375	2002-01-18 07:31	44.62	2002-01-24 08:30	48.57	3.95	-3.10E-12	-1.86E-07
Lower 33	4	4.511	-5.9125	2002-01-18 07:31	46.45	2002-01-24 08:30	51.03	4.58	-1.90E-12	-1.14E-07
Lower 33	5	4.511	-6.2875	2002-01-18 07:31	43.19	2002-01-24 08:30	168.17	124.98	2.29E-10	1.37E-05
Lower 33	6	4.511	-6.6625	2002-01-18 07:31	45.5	2002-01-24 08:30	181.73	136.23	2.50E-10	1.50E-05
Lower 33	7	4.511	-7.0375	2002-01-18 07:31	45.7	2002-01-24 08:30	221.78	176.08	3.27E-10	1.96E-05
Lower 33	8	4.511	-7.4125	2002-01-18 07:31	44.6	2002-01-24 08:30	319	274.4	5.15E-10	3.09E-05
Lower 34	1	4.652	-4.7875	2002-01-18 07:32	44.26	2002-01-24 08:30	47.95	3.69	-3.60E-12	-2.16E-07
Lower 34	2	4.652	-5.1625	2002-01-18 07:32	45.04	2002-01-24 08:30	49.02	3.98	-3.05E-12	-1.83E-07
Lower 34	3	4.652	-5.5375	2002-01-18 07:32	44.59	2002-01-24 08:30	48	3.41	-4.14E-12	-2.48E-07
Lower 34	4	4.652	-5.9125	2002-01-18 07:32	44.37	2002-01-24 08:30	48.66	4.29	-2.45E-12	-1.47E-07
Lower 34	5	4.652	-6.2875	2002-01-18 07:32	45.6	2002-01-24 08:30	189.79	144.19	2.66E-10	1.59E-05
Lower 34	6	4.652	-6.6625	2002-01-18 07:32	44.2	2002-01-24 08:30	184.12	139.92	2.57E-10	1.54E-05
Lower 34	7	4.652	-7.0375	2002-01-18 07:32	48.4	2002-01-24 08:30	398.99	350.59	6.61E-10	3.97E-05
Lower 34	8	4.652	-7.4125	2002-01-18 07:32	55.73	2002-01-24 08:30	554.56	498.83	9.45E-10	5.67E-05
Lower 35	1	4.793	-4.7875	2002-01-18 07:34	45.93	2002-01-24 08:17	50.87	4.94	-1.21E-12	-7.26E-08
Lower 35	2	4.793	-5.1625	2002-01-18 07:34	50.29	2002-01-24 08:17	56.59	6.3	1.40E-12	8.41E-08
Lower 35	3	4.793	-5.5375	2002-01-18 07:34	43.62	2002-01-24 08:17	48.49	4.87	-1.34E-12	-8.06E-08
Lower 35	4	4.793	-5.9125	2002-01-18 07:34	48.68	2002-01-24 08:17	54.23	5.55	-3.84E-14	-2.30E-09
Lower 35	5	4.793	-6.2875	2002-01-18 07:34	50	2002-01-24 08:17	232	182	3.39E-10	2.03E-05
Lower 35	6	4.793	-6.6625	2002-01-18 07:34	49.69	2002-01-24 08:17	208.22	158.53	2.94E-10	1.76E-05
Lower 35	7	4.793	-7.0375	2002-01-18 07:34	48.25	2002-01-24 08:17	269.65	221.4	4.14E-10	2.49E-05
Lower 35	8	4.793	-7.4125	2002-01-18 07:34	47.52	2002-01-24 08:17	345.7	298.18	5.62E-10	3.37E-05
Lower 36	1	4.934	-4.7875	2002-01-18 07:36	46.82	2002-01-24 08:14	51.3	4.48	-2.09E-12	-1.26E-07
Lower 36	2	4.934	-5.1625	2002-01-18 07:36	48.26	2002-01-24 08:14	53.63	5.37	-3.84E-13	-2.30E-08
Lower 36	3	4.934	-5.5375	2002-01-18 07:36	42.8	2002-01-24 08:14	48.12	5.32	-4.80E-13	-2.88E-08
Lower 36	4	4.934	-5.9125	2002-01-18 07:36	45.53	2002-01-24 08:14	51.12	5.59	3.84E-14	2.30E-09
Lower 36	5	4.934	-6.2875	2002-01-18 07:36	43.42	2002-01-24 08:14	76.8	33.38	5.34E-11	3.20E-06
Lower 36	6	4.934	-6.6625	2002-01-18 07:36	43.98	2002-01-24 08:14	85.71	41.73	6.94E-11	4.17E-06
Lower 36	7	4.934	-7.0375	2002-01-18 07:36	47.12	2002-01-24 08:14	81.28	34.16	5.49E-11	3.29E-06
Lower 36	8	4.934	-7.4125	2002-01-18 07:36	44.66	2002-01-24 08:14	75.63	30.97	4.88E-11	2.93E-06
Lower 37	1	5.075	-4.7875	2002-01-18 07:45	46	2002-01-24 08:09	50.51	4.51	-2.04E-12	-1.22E-07
Lower 37	2	5.075	-5.1625	2002-01-18 07:45	47.02	2002-01-24 08:09	52.3	5.28	-5.58E-13	-3.35E-08
Lower 37	3	5.075	-5.5375	2002-01-18 07:45	47.24	2002-01-24 08:09	52.96	5.72	2.89E-13	1.73E-08
Lower 37	4	5.075	-5.9125	2002-01-18 07:45	43.9	2002-01-24 08:09	48.55	4.65	-1.77E-12	-1.06E-07
Lower 37	5	5.075	-6.2875	2002-01-18 07:45	42.47	2002-01-24 08:09	56.88	14.41	1.70E-11	1.02E-06
Lower 37	6	5.075	-6.6625	2002-01-18 07:45	42.96	2002-01-24 08:09	54.1	11.14	1.07E-11	6.43E-07
Lower 37	7	5.075	-7.0375	2002-01-18 07:45	44.73	2002-01-24 08:09	52.5	7.77	4.23E-12	2.54E-07
Lower 37	8	5.075	-7.4125	2002-01-18 07:45	45.33	2002-01-24 08:09	53.74	8.41	5.46E-12	3.28E-07
Lower 38	1	5.216	-4.7875	2002-01-18 07:48	42.29	2002-01-24 08:05	46.33	4.04	-2.95E-12	-1.77E-07
Lower 38	2	5.216	-5.1625	2002-01-18 07:48	41.47	2002-01-24 08:05	46.01	4.54	-1.98E-12	-1.19E-07
Lower 38	3	5.216	-5.5375	2002-01-18 07:48	43.07	2002-01-24 08:05	47.87	4.8	-1.48E-12	-8.89E-08
Lower 38	4	5.216	-5.9125	2002-01-18 07:48	44.26	2002-01-24 08:05	48.72	4.46	-2.14E-12	-1.28E-07
Lower 38	5	5.216	-6.2875	2002-01-18 07:48	40.7	2002-01-24 08:05	49.37	8.67	5.97E-12	3.58E-07
Lower 38	6	5.216	-6.6625	2002-01-18 07:48	40.82	2002-01-24 08:05	47.25	6.43	1.66E-12	9.93E-08
Lower 38	7	5.216	-7.0375	2002-01-18 07:48	42.03	2002-01-24 08:05	46.88	4.85	-1.39E-12	-8.32E-08
Lower 38	8	5.216	-7.4125	2002-01-18 07:48	39.4	2002-01-24 08:05	44.23	4.83	-1.42E-12	-8.55E-08
Lower 39	1	5.357	-4.7875	2002-01-18 07:50	42.18	2002-01-24 08:00	40.12	-2.06	-1.47E-11	-8.82E-07
Lower 39	2	5.357	-5.1625	2002-01-18 07:50	40.21	2002-01-24 08:00	43.74	3.53	-3.93E-12	-2.36E-07
Lower 39	3	5.357	-5.5375	2002-01-18 07:50	41.1	2002-01-24 08:00	45.31	4.21	-2.62E-12	-1.57E-07
Lower 39	4	5.357	-5.9125	2002-01-18 07:50	38.86	2002-01-24 08:00	42.45	3.59	-3.82E-12	-2.29E-07
Lower 39	5	5.357	-6.2875	2002-01-18 07:50	40.65	2002-01-24 08:00	45.68	5.03	-1.04E-12	-6.24E-08
Lower 39	6	5.357	-6.6625	2002-01-18 07:50	41.3	2002-01-24 08:00	46.79	5.49	-1.54E-13	-9.25E-09
Lower 39	7	5.357	-7.0375	2002-01-18 07:50	39.52	2002-01-24 08:00	43.77	4.25	-2.54E-12	-1.53E-07
Lower 39	8	5.357	-7.4125	2002-01-18 07:50	41.08	2002-01-24 08:00	45.5	4.42	-2.22E-12	-1.33E-07

Part 2 Hydraulic conductivity estimations

Abbreviations in Table below

Plank	The plank number
Diaper	The diaper number applied downwards
O_length	The ”length” following the borehole circumference starting at centreline of the tunnel facing east and running clock-wise
Depth	Centre of each diaper at borehole depth
Q_corrected	The calculated flowrate of each area covered by a diaper, l/min, after reducing the weight_diff with the reference value 6 grams.
K_{max} (d=1.15)	Maximum estimated hydraulic conductivity at a distance of 1.15 meters from deposition borehole centre.
K_{med} (d=1.15)	Mean estimated hydraulic conductivity at a distance of 1.15 meters from deposition borehole centre.
K_{min} (d=1.15)	Minimum estimated hydraulic conductivity at a distance of 1.15 meters from deposition borehole centre.
K_{max} (d=5)	Maximum estimated hydraulic conductivity at a distance of 5 meters from deposition borehole centre.
K_{med} (d=5)	Mean estimated hydraulic conductivity at a distance of 5 meters from deposition borehole centre.
K_{min} (d=5)	Minimum estimated hydraulic conductivity at a distance of 5 meters from deposition borehole centre.

Plank	Diaper	O_length	Depth	Q_corrected	K_{max} (d=1.15)	K_{med} (d=1.15)	K_{min} (d=1.15)	K_{max} (d=5)	K_{med} (d=5)	K_{min} (d=5)
				(l/min)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)
	Distance from borehole centre:			d=	1.15	1.15	1.15	5	5	5
	Measurement limit K = 5E-14 m/s			Diaper area=	0.03465	0.03465	0.03465	0.03465	0.03465	0.03465
				P (m) in rock=	7.3	24.7	108	50	133.3	220
				Median K=	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 01	1	0	-1.4875	-2.04E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 01	2	0	-1.8625	-1.98E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 01	3	0	-2.2375	-8.33E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 01	4	0	-2.6125	-1.17E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 01	5	0	-2.9875	-2.78E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 01	6	0	-3.3625	-1.60E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 01	7	0	-3.7375	-6.48E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 01	8	0	-4.1125	-8.90E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 02	1	0.1409689	-1.4875	-1.72E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 02	2	0.1409689	-1.8625	-1.92E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 02	3	0.1409689	-2.2375	-7.64E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 02	4	0.1409689	-2.6125	1.60E-06	2.7E-12	7.9E-13	1.8E-13	8.9E-13	3.3E-13	2.0E-13
Upper 02	5	0.1409689	-2.9875	-1.84E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 02	6	0.1409689	-3.3625	-3.47E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 02	7	0.1409689	-3.7375	-1.35E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 02	8	0.1409689	-4.1125	-1.59E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 03	1	0.2819378	-1.4875	-8.46E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 03	2	0.2819378	-1.8625	-1.19E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 03	3	0.2819378	-2.2375	-1.53E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 03	4	0.2819378	-2.6125	-6.95E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 03	5	0.2819378	-2.9875	-1.30E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 03	6	0.2819378	-3.3625	-1.26E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 03	7	0.2819378	-3.7375	-1.62E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 03	8	0.2819378	-4.1125	-1.94E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 04	1	0.4229067	-1.4875	-3.05E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 04	2	0.4229067	-1.8625	-2.33E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 04	3	0.4229067	-2.2375	-2.41E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 04	4	0.4229067	-2.6125	-2.68E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 04	5	0.4229067	-2.9875	-2.11E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 04	6	0.4229067	-3.3625	-2.51E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 04	7	0.4229067	-3.7375	-2.35E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 04	8	0.4229067	-4.1125	-2.40E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 05	1	0.5638756	-1.4875	-1.59E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 05	2	0.5638756	-1.8625	-1.14E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 05	3	0.5638756	-2.2375	-3.99E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 05	4	0.5638756	-2.6125	-7.64E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 05	5	0.5638756	-2.9875	-8.60E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 05	6	0.5638756	-3.3625	-7.90E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 05	7	0.5638756	-3.7375	-6.43E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 05	8	0.5638756	-4.1125	1.06E-07	1.8E-13	5.3E-14	5.0E-14	5.9E-14	5.0E-14	5.0E-14
Upper 06	1	0.70484451	-1.4875	-1.64E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 06	2	0.70484451	-1.8625	-1.14E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 06	3	0.70484451	-2.2375	-1.43E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 06	4	0.70484451	-2.6125	-1.35E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 06	5	0.70484451	-2.9875	-8.69E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 06	6	0.70484451	-3.3625	-1.14E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 06	7	0.70484451	-3.7375	-9.99E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 06	8	0.70484451	-4.1125	-1.11E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 07	1	0.84581341	-1.4875	-1.42E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 07	2	0.84581341	-1.8625	-1.10E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 07	3	0.84581341	-2.2375	-1.17E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 07	4	0.84581341	-2.6125	-1.55E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 07	5	0.84581341	-2.9875	-1.16E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 07	6	0.84581341	-3.3625	-1.34E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 07	7	0.84581341	-3.7375	-1.24E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 07	8	0.84581341	-4.1125	-1.17E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14

Plank	Diaper	O_length	Depth	Q_corrected	K_{max} (d=1.15)	K_{med} (d=1.15)	K_{min} (d=1.15)	K_{max} (d=5)	K_{med} (d=5)	K_{min} (d=5)
				(l/min)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)
	Distance from borehole centre:			d=	1.15	1.15	1.15	5	5	5
	Measurement limit K = 5E-14 m/s			Diaper area=	0.03465	0.03465	0.03465	0.03465	0.03465	0.03465
				P (m) in rock=	7.3	24.7	108	50	133.3	220
				Median K=	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 08	1	0.98678231	-1.4875	-6.19E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 08	2	0.98678231	-1.8625	-6.80E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 08	3	0.98678231	-2.2375	-9.33E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 08	4	0.98678231	-2.6125	-1.38E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 08	5	0.98678231	-2.9875	-1.07E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 08	6	0.98678231	-3.3625	-6.80E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 08	7	0.98678231	-3.7375	-4.19E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 08	8	0.98678231	-4.1125	5.41E-08	9.1E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 09	1	1.12775121	-1.4875	-1.21E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 09	2	1.12775121	-1.8625	2.87E-07	4.8E-13	1.4E-13	5.0E-14	1.6E-13	6.0E-14	5.0E-14
Upper 09	3	1.12775121	-2.2375	1.91E-07	3.2E-13	9.5E-14	5.0E-14	1.1E-13	5.0E-14	5.0E-14
Upper 09	4	1.12775121	-2.6125	1.64E-07	2.7E-13	8.1E-14	5.0E-14	9.1E-14	5.0E-14	5.0E-14
Upper 09	5	1.12775121	-2.9875	1.54E-06	2.6E-12	7.6E-13	1.7E-13	8.5E-13	3.2E-13	1.9E-13
Upper 09	6	1.12775121	-3.3625	1.20E-06	2.0E-12	5.9E-13	1.4E-13	6.7E-13	2.5E-13	1.5E-13
Upper 09	7	1.12775121	-3.7375	1.82E-06	3.1E-12	9.0E-13	2.1E-13	1.0E-12	3.8E-13	2.3E-13
Upper 09	8	1.12775121	-4.1125	4.67E-06	7.8E-12	2.3E-12	5.3E-13	2.6E-12	9.7E-13	5.9E-13
Upper 10	1	1.26872011	-1.4875	1.78E-07	3.0E-13	8.8E-14	5.0E-14	9.9E-14	5.0E-14	5.0E-14
Upper 10	2	1.26872011	-1.8625	-5.84E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 10	3	1.26872011	-2.2375	-7.32E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 10	4	1.26872011	-2.6125	-9.07E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 10	5	1.26872011	-2.9875	-2.27E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 10	6	1.26872011	-3.3625	-2.35E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 10	7	1.26872011	-3.7375	5.29E-07	8.9E-13	2.6E-13	6.0E-14	2.9E-13	1.1E-13	6.7E-14
Upper 10	8	1.26872011	-4.1125	1.87E-06	3.1E-12	9.3E-13	2.1E-13	1.0E-12	3.9E-13	2.4E-13
Upper 11	1	1.40968901	-1.4875	-1.01E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 11	2	1.40968901	-1.8625	-7.76E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 11	3	1.40968901	-2.2375	-7.32E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 11	4	1.40968901	-2.6125	-8.72E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 11	5	1.40968901	-2.9875	1.45E-07	2.4E-13	7.2E-14	5.0E-14	8.0E-14	5.0E-14	5.0E-14
Upper 11	6	1.40968901	-3.3625	-7.32E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 11	7	1.40968901	-3.7375	-6.98E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 11	8	1.40968901	-4.1125	5.06E-08	8.5E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 12	1	1.55065791	-1.4875	-1.64E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 12	2	1.55065791	-1.8625	-9.77E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 12	3	1.55065791	-2.2375	-7.85E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 12	4	1.55065791	-2.6125	1.65E-07	2.8E-13	8.2E-14	5.0E-14	9.2E-14	5.0E-14	5.0E-14
Upper 12	5	1.55065791	-2.9875	-8.81E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 12	6	1.55065791	-3.3625	-7.41E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 12	7	1.55065791	-3.7375	-7.24E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 12	8	1.55065791	-4.1125	-9.77E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 13	1	1.69162681	-1.4875	-1.79E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 13	2	1.69162681	-1.8625	-1.10E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 13	3	1.69162681	-2.2375	-1.38E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 13	4	1.69162681	-2.6125	-1.40E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 13	5	1.69162681	-2.9875	-6.02E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 13	6	1.69162681	-3.3625	-8.29E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 13	7	1.69162681	-3.7375	-8.55E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 13	8	1.69162681	-4.1125	1.92E-07	3.2E-13	9.5E-14	5.0E-14	1.1E-13	5.0E-14	5.0E-14
Upper 14	1	1.83259571	-1.4875	-2.02E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 14	2	1.83259571	-1.8625	-1.33E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 14	3	1.83259571	-2.2375	-1.47E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 14	4	1.83259571	-2.6125	-1.40E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 14	5	1.83259571	-2.9875	-5.41E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 14	6	1.83259571	-3.3625	-6.37E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 14	7	1.83259571	-3.7375	-6.02E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 14	8	1.83259571	-4.1125	8.56E-07	1.4E-12	4.2E-13	9.7E-14	4.8E-13	1.8E-13	1.1E-13

Plank	Diaper	O_length	Depth	Q_corrected	K_{max} (d=1.15)	K_{med} (d=1.15)	K_{min} (d=1.15)	K_{max} (d=5)	K_{med} (d=5)	K_{min} (d=5)
				(l/min)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)
	Distance from borehole centre:			d=	1.15	1.15	1.15	5	5	5
	Measurement limit K = 5E-14 m/s			Diaper area=	0.03465	0.03465	0.03465	0.03465	0.03465	0.03465
				P (m) in rock=	7.3	24.7	108	50	133.3	220
				Median K=	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 15	1	1.97356462	-1.4875	-4.07E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 15	2	1.97356462	-1.8625	-1.04E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 15	3	1.97356462	-2.2375	-9.37E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 15	4	1.97356462	-2.6125	-5.26E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 15	5	1.97356462	-2.9875	2.98E-07	5.0E-13	1.5E-13	5.0E-14	1.7E-13	6.2E-14	5.0E-14
Upper 15	6	1.97356462	-3.3625	2.10E-07	3.5E-13	1.0E-13	5.0E-14	1.2E-13	5.0E-14	5.0E-14
Upper 15	7	1.97356462	-3.7375	4.40E-07	7.4E-13	2.2E-13	5.0E-14	2.4E-13	9.2E-14	5.6E-14
Upper 15	8	1.97356462	-4.1125	3.98E-06	6.7E-12	2.0E-12	4.5E-13	2.2E-12	8.3E-13	5.0E-13
Upper 16	1	2.11453352	-1.4875	-1.24E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 16	2	2.11453352	-1.8625	6.92E-08	1.2E-13	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 16	3	2.11453352	-2.2375	2.68E-07	4.5E-13	1.3E-13	5.0E-14	1.5E-13	5.6E-14	5.0E-14
Upper 16	4	2.11453352	-2.6125	7.80E-08	1.3E-13	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 16	5	2.11453352	-2.9875	9.91E-07	1.7E-12	4.9E-13	1.1E-13	5.5E-13	2.1E-13	1.3E-13
Upper 16	6	2.11453352	-3.3625	2.61E-06	4.4E-12	1.3E-12	3.0E-13	1.4E-12	5.4E-13	3.3E-13
Upper 16	7	2.11453352	-3.7375	1.93E-06	3.2E-12	9.6E-13	2.2E-13	1.1E-12	4.0E-13	2.4E-13
Upper 16	8	2.11453352	-4.1125	1.89E-06	3.2E-12	9.4E-13	2.1E-13	1.0E-12	3.9E-13	2.4E-13
Upper 17	1	2.25550242	-1.4875	1.08E-06	1.8E-12	5.4E-13	1.2E-13	6.0E-13	2.3E-13	1.4E-13
Upper 17	2	2.25550242	-1.8625	8.86E-07	1.5E-12	4.4E-13	1.0E-13	4.9E-13	1.8E-13	1.1E-13
Upper 17	3	2.25550242	-2.2375	2.03E-06	3.4E-12	1.0E-12	2.3E-13	1.1E-12	4.2E-13	2.6E-13
Upper 17	4	2.25550242	-2.6125	3.66E-07	6.1E-13	1.8E-13	5.0E-14	2.0E-13	7.6E-14	5.0E-14
Upper 17	5	2.25550242	-2.9875	6.64E-07	1.1E-12	3.3E-13	7.5E-14	3.7E-13	1.4E-13	8.4E-14
Upper 17	6	2.25550242	-3.3625	1.19E-06	2.0E-12	5.9E-13	1.4E-13	6.6E-13	2.5E-13	1.5E-13
Upper 17	7	2.25550242	-3.7375	2.07E-06	3.5E-12	1.0E-12	2.3E-13	1.2E-12	4.3E-13	2.6E-13
Upper 17	8	2.25550242	-4.1125	1.83E-06	3.1E-12	9.1E-13	2.1E-13	1.0E-12	3.8E-13	2.3E-13
Upper 18	1	2.39647132	-1.4875	1.39E-05	2.3E-11	6.9E-12	1.6E-12	7.7E-12	2.9E-12	1.8E-12
Upper 18	2	2.39647132	-1.8625	1.43E-05	2.4E-11	7.1E-12	1.6E-12	7.9E-12	3.0E-12	1.8E-12
Upper 18	3	2.39647132	-2.2375	1.48E-06	2.5E-12	7.3E-13	1.7E-13	8.2E-13	3.1E-13	1.9E-13
Upper 18	4	2.39647132	-2.6125	3.70E-07	6.2E-13	1.8E-13	5.0E-14	2.1E-13	7.7E-14	5.0E-14
Upper 18	5	2.39647132	-2.9875	2.92E-07	4.9E-13	1.4E-13	5.0E-14	1.6E-13	6.1E-14	5.0E-14
Upper 18	6	2.39647132	-3.3625	2.19E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 18	7	2.39647132	-3.7375	3.48E-07	5.8E-13	1.7E-13	5.0E-14	1.9E-13	7.2E-14	5.0E-14
Upper 18	8	2.39647132	-4.1125	9.29E-08	1.6E-13	5.0E-14	5.0E-14	5.2E-14	5.0E-14	5.0E-14
Upper 19	1	2.53744022	-1.4875	1.67E-05	2.8E-11	8.3E-12	1.9E-12	9.3E-12	3.5E-12	2.1E-12
Upper 19	2	2.53744022	-1.8625	1.95E-05	3.3E-11	9.7E-12	2.2E-12	1.1E-11	4.1E-12	2.5E-12
Upper 19	3	2.53744022	-2.2375	1.66E-05	2.8E-11	8.2E-12	1.9E-12	9.2E-12	3.5E-12	2.1E-12
Upper 19	4	2.53744022	-2.6125	1.37E-05	2.3E-11	6.8E-12	1.6E-12	7.6E-12	2.8E-12	1.7E-12
Upper 19	5	2.53744022	-2.9875	1.12E-05	1.9E-11	5.6E-12	1.3E-12	6.2E-12	2.3E-12	1.4E-12
Upper 19	6	2.53744022	-3.3625	7.31E-07	1.2E-12	3.6E-13	8.3E-14	4.1E-13	1.5E-13	9.2E-14
Upper 19	7	2.53744022	-3.7375	6.14E-08	1.0E-13	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 19	8	2.53744022	-4.1125	1.29E-07	2.2E-13	6.4E-14	5.0E-14	7.2E-14	5.0E-14	5.0E-14
Upper 20	1	2.67840912	-1.4875	1.82E-05	3.1E-11	9.0E-12	2.1E-12	1.0E-11	3.8E-12	2.3E-12
Upper 20	2	2.67840912	-1.8625	1.84E-05	3.1E-11	9.1E-12	2.1E-12	1.0E-11	3.8E-12	2.3E-12
Upper 20	3	2.67840912	-2.2375	9.92E-06	1.7E-11	4.9E-12	1.1E-12	5.5E-12	2.1E-12	1.3E-12
Upper 20	4	2.67840912	-2.6125	1.24E-06	2.1E-12	6.2E-13	1.4E-13	6.9E-13	2.6E-13	1.6E-13
Upper 20	5	2.67840912	-2.9875	1.24E-06	2.1E-12	6.2E-13	1.4E-13	6.9E-13	2.6E-13	1.6E-13
Upper 20	6	2.67840912	-3.3625	1.09E-06	1.8E-12	5.4E-13	1.2E-13	6.1E-13	2.3E-13	1.4E-13
Upper 20	7	2.67840912	-3.7375	6.78E-07	1.1E-12	3.4E-13	7.7E-14	3.8E-13	1.4E-13	8.6E-14
Upper 20	8	2.67840912	-4.1125	1.15E-05	1.9E-11	5.7E-12	1.3E-12	6.4E-12	2.4E-12	1.5E-12
Upper 21	1	2.81937802	-1.4875	1.15E-05	1.9E-11	5.7E-12	1.3E-12	6.4E-12	2.4E-12	1.4E-12
Upper 21	2	2.81937802	-1.8625	2.31E-05	3.9E-11	1.1E-11	2.6E-12	1.3E-11	4.8E-12	2.9E-12
Upper 21	3	2.81937802	-2.2375	2.97E-05	5.0E-11	1.5E-11	3.4E-12	1.6E-11	6.2E-12	3.7E-12
Upper 21	4	2.81937802	-2.6125	2.02E-05	3.4E-11	1.0E-11	2.3E-12	1.1E-11	4.2E-12	2.6E-12
Upper 21	5	2.81937802	-2.9875	2.08E-05	3.5E-11	1.0E-11	2.4E-12	1.2E-11	4.3E-12	2.6E-12
Upper 21	6	2.81937802	-3.3625	2.14E-05	3.6E-11	1.1E-11	2.4E-12	1.2E-11	4.5E-12	2.7E-12
Upper 21	7	2.81937802	-3.7375	2.45E-05	4.1E-11	1.2E-11	2.8E-12	1.4E-11	5.1E-12	3.1E-12
Upper 21	8	2.81937802	-4.1125	2.12E-05	3.6E-11	1.1E-11	2.4E-12	1.2E-11	4.4E-12	2.7E-12

Plank	Diaper	O_length	Depth	Q_corrected	K_{max} (d=1.15)	K_{med} (d=1.15)	K_{min} (d=1.15)	K_{max} (d=5)	K_{med} (d=5)	K_{min} (d=5)
				(l/min)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)
		Distance from borehole centre:		d=	1.15	1.15	1.15	5	5	5
		Measurement limit K = 5E-14 m/s		Diaper area=	0.03465	0.03465	0.03465	0.03465	0.03465	0.03465
				P (m) in rock=	7.3	24.7	108	50	133.3	220
				Median K=	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 22	1	2.96034692	-1.4875	1.30E-05	2.2E-11	6.4E-12	1.5E-12	7.2E-12	2.7E-12	1.6E-12
Upper 22	2	2.96034692	-1.8625	2.23E-05	3.7E-11	1.1E-11	2.5E-12	1.2E-11	4.6E-12	2.8E-12
Upper 22	3	2.96034692	-2.2375	2.05E-05	3.4E-11	1.0E-11	2.3E-12	1.1E-11	4.3E-12	2.6E-12
Upper 22	4	2.96034692	-2.6125	1.87E-05	3.1E-11	9.3E-12	2.1E-12	1.0E-11	3.9E-12	2.4E-12
Upper 22	5	2.96034692	-2.9875	1.85E-05	3.1E-11	9.2E-12	2.1E-12	1.0E-11	3.9E-12	2.3E-12
Upper 22	6	2.96034692	-3.3625	2.10E-05	3.5E-11	1.0E-11	2.4E-12	1.2E-11	4.4E-12	2.6E-12
Upper 22	7	2.96034692	-3.7375	1.77E-05	3.0E-11	8.8E-12	2.0E-12	9.9E-12	3.7E-12	2.2E-12
Upper 22	8	2.96034692	-4.1125	9.61E-06	1.6E-11	4.8E-12	1.1E-12	5.3E-12	2.0E-12	1.2E-12
Upper 23	1	3.10131582	-1.4875	1.56E-05	2.6E-11	7.7E-12	1.8E-12	8.7E-12	3.2E-12	2.0E-12
Upper 23	2	3.10131582	-1.8625	1.27E-05	2.1E-11	6.3E-12	1.4E-12	7.0E-12	2.6E-12	1.6E-12
Upper 23	3	3.10131582	-2.2375	2.21E-06	3.7E-12	1.1E-12	2.5E-13	1.2E-12	4.6E-13	2.8E-13
Upper 23	4	3.10131582	-2.6125	-3.51E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 23	5	3.10131582	-2.9875	1.13E-07	1.9E-13	5.6E-14	5.0E-14	6.3E-14	5.0E-14	5.0E-14
Upper 23	6	3.10131582	-3.3625	2.11E-07	3.5E-13	1.0E-13	5.0E-14	1.2E-13	5.0E-14	5.0E-14
Upper 23	7	3.10131582	-3.7375	3.86E-08	6.5E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 23	8	3.10131582	-4.1125	-9.65E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 24	1	3.24228473	-1.4875	1.52E-05	2.5E-11	7.5E-12	1.7E-12	8.4E-12	3.2E-12	1.9E-12
Upper 24	2	3.24228473	-1.8625	1.37E-05	2.3E-11	6.8E-12	1.6E-12	7.6E-12	2.9E-12	1.7E-12
Upper 24	3	3.24228473	-2.2375	4.50E-06	7.5E-12	2.2E-12	5.1E-13	2.5E-12	9.4E-13	5.7E-13
Upper 24	4	3.24228473	-2.6125	7.10E-08	1.2E-13	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 24	5	3.24228473	-2.9875	-4.65E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 24	6	3.24228473	-3.3625	3.44E-07	5.8E-13	1.7E-13	5.0E-14	1.9E-13	7.2E-14	5.0E-14
Upper 24	7	3.24228473	-3.7375	-4.12E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 24	8	3.24228473	-4.1125	-2.46E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 25	1	3.38325363	-1.4875	1.39E-05	2.3E-11	6.9E-12	1.6E-12	7.7E-12	2.9E-12	1.8E-12
Upper 25	2	3.38325363	-1.8625	1.49E-05	2.5E-11	7.4E-12	1.7E-12	8.3E-12	3.1E-12	1.9E-12
Upper 25	3	3.38325363	-2.2375	2.07E-06	3.5E-12	1.0E-12	2.3E-13	1.2E-12	4.3E-13	2.6E-13
Upper 25	4	3.38325363	-2.6125	3.11E-07	5.2E-13	1.5E-13	5.0E-14	1.7E-13	6.5E-14	5.0E-14
Upper 25	5	3.38325363	-2.9875	-5.70E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 25	6	3.38325363	-3.3625	-7.63E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 25	7	3.38325363	-3.7375	-7.11E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 25	8	3.38325363	-4.1125	-6.58E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 26	1	3.52422253	-1.4875	8.18E-06	1.4E-11	4.1E-12	9.3E-13	4.5E-12	1.7E-12	1.0E-12
Upper 26	2	3.52422253	-1.8625	1.75E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 26	3	3.52422253	-2.2375	-6.22E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 26	4	3.52422253	-2.6125	-9.20E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 26	5	3.52422253	-2.9875	1.39E-07	2.3E-13	6.9E-14	5.0E-14	7.7E-14	5.0E-14	5.0E-14
Upper 26	6	3.52422253	-3.3625	-6.49E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 26	7	3.52422253	-3.7375	-3.86E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 26	8	3.52422253	-4.1125	-1.75E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 27	1	3.66519143	-1.4875	8.55E-06	1.4E-11	4.2E-12	9.7E-13	4.7E-12	1.8E-12	1.1E-12
Upper 27	2	3.66519143	-1.8625	1.05E-07	1.8E-13	5.2E-14	5.0E-14	5.8E-14	5.0E-14	5.0E-14
Upper 27	3	3.66519143	-2.2375	-6.14E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 27	4	3.66519143	-2.6125	-1.11E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 27	5	3.66519143	-2.9875	-5.00E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 27	6	3.66519143	-3.3625	-6.14E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 27	7	3.66519143	-3.7375	-5.53E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 27	8	3.66519143	-4.1125	-2.46E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 28	1	3.80616033	-1.4875	4.79E-06	8.0E-12	2.4E-12	5.4E-13	2.7E-12	1.0E-12	6.0E-13
Upper 28	2	3.80616033	-1.8625	5.26E-08	8.8E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 28	3	3.80616033	-2.2375	-6.14E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 28	4	3.80616033	-2.6125	-1.15E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 28	5	3.80616033	-2.9875	7.90E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 28	6	3.80616033	-3.3625	5.26E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 28	7	3.80616033	-3.7375	-4.83E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 28	8	3.80616033	-4.1125	-3.86E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14

Plank	Diaper	O_length	Depth	Q_corrected	K_{max} (d=1.15)	K_{med} (d=1.15)	K_{min} (d=1.15)	K_{max} (d=5)	K_{med} (d=5)	K_{min} (d=5)
				(l/min)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)
	Distance from borehole centre:			d=	1.15	1.15	1.15	5	5	5
	Measurement limit K = 5E-14 m/s			Diaper area=	0.03465	0.03465	0.03465	0.03465	0.03465	0.03465
				P (m) in rock=	7.3	24.7	108	50	133.3	220
				Median K=	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 29	1	3.94712923	-1.4875	1.43E-06	2.4E-12	7.1E-13	1.6E-13	7.9E-13	3.0E-13	1.8E-13
Upper 29	2	3.94712923	-1.8625	2.28E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 29	3	3.94712923	-2.2375	-8.51E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 29	4	3.94712923	-2.6125	-1.28E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 29	5	3.94712923	-2.9875	2.28E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 29	6	3.94712923	-3.3625	-1.13E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 29	7	3.94712923	-3.7375	-7.19E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 29	8	3.94712923	-4.1125	-4.47E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 30	1	4.08809813	-1.4875	8.08E-07	1.4E-12	4.0E-13	9.2E-14	4.5E-13	1.7E-13	1.0E-13
Upper 30	2	4.08809813	-1.8625	1.05E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 30	3	4.08809813	-2.2375	-7.02E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 30	4	4.08809813	-2.6125	1.68E-07	2.8E-13	8.3E-14	5.0E-14	9.3E-14	5.0E-14	5.0E-14
Upper 30	5	4.08809813	-2.9875	-5.97E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 30	6	4.08809813	-3.3625	-7.55E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 30	7	4.08809813	-3.7375	-4.65E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 30	8	4.08809813	-4.1125	-6.58E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 31	1	4.22906703	-1.4875	-1.36E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 31	2	4.22906703	-1.8625	-1.64E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 31	3	4.22906703	-2.2375	-2.20E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 31	4	4.22906703	-2.6125	-1.20E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 31	5	4.22906703	-2.9875	-1.40E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 31	6	4.22906703	-3.3625	-1.60E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 31	7	4.22906703	-3.7375	-1.74E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 31	8	4.22906703	-4.1125	-1.94E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 32	1	4.37003593	-1.4875	-1.44E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 32	2	4.37003593	-1.8625	-2.01E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 32	3	4.37003593	-2.2375	-2.02E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 32	4	4.37003593	-2.6125	-1.47E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 32	5	4.37003593	-2.9875	-1.65E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 32	6	4.37003593	-3.3625	-1.78E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 32	7	4.37003593	-3.7375	-1.55E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 32	8	4.37003593	-4.1125	-2.40E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 33	1	4.51100484	-1.4875	-1.10E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 33	2	4.51100484	-1.8625	-2.26E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 33	3	4.51100484	-2.2375	-2.13E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 33	4	4.51100484	-2.6125	-1.53E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 33	5	4.51100484	-2.9875	-2.15E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 33	6	4.51100484	-3.3625	-1.94E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 33	7	4.51100484	-3.7375	-2.23E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 33	8	4.51100484	-4.1125	-1.76E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 34	1	4.65197374	-1.4875	-1.83E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 34	2	4.65197374	-1.8625	-2.22E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 34	3	4.65197374	-2.2375	-2.25E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 34	4	4.65197374	-2.6125	-2.31E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 34	5	4.65197374	-2.9875	-1.80E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 34	6	4.65197374	-3.3625	-1.35E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 34	7	4.65197374	-3.7375	-1.91E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 34	8	4.65197374	-4.1125	-1.52E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 35	1	4.79294264	-1.4875	-1.91E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 35	2	4.79294264	-1.8625	-2.50E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 35	3	4.79294264	-2.2375	-2.41E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 35	4	4.79294264	-2.6125	-2.07E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 35	5	4.79294264	-2.9875	-5.61E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 35	6	4.79294264	-3.3625	-2.18E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 35	7	4.79294264	-3.7375	-1.92E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 35	8	4.79294264	-4.1125	-1.57E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14

Plank	Diaper	O_length	Depth	Q_corrected	K_{max} (d=1.15)	K_{med} (d=1.15)	K_{min} (d=1.15)	K_{max} (d=5)	K_{med} (d=5)	K_{min} (d=5)
				(l/min)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)
	Distance from borehole centre:			d=	1.15	1.15	1.15	5	5	5
	Measurement limit K = 5E-14 m/s			Diaper area=	0.03465	0.03465	0.03465	0.03465	0.03465	0.03465
				P (m) in rock=	7.3	24.7	108	50	133.3	220
				Median K=	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 36	1	4.93391154	-1.4875	-2.55E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 36	2	4.93391154	-1.8625	-2.72E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 36	3	4.93391154	-2.2375	-2.42E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 36	4	4.93391154	-2.6125	-1.81E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 36	5	4.93391154	-2.9875	-1.98E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 36	6	4.93391154	-3.3625	-2.01E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 36	7	4.93391154	-3.7375	-2.22E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 36	8	4.93391154	-4.1125	-1.59E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 37	1	5.07488044	-1.4875	-2.29E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 37	2	5.07488044	-1.8625	-2.51E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 37	3	5.07488044	-2.2375	-2.33E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 37	4	5.07488044	-2.6125	-2.34E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 37	5	5.07488044	-2.9875	-2.17E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 37	6	5.07488044	-3.3625	-2.48E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 37	7	5.07488044	-3.7375	-2.04E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 37	8	5.07488044	-4.1125	-1.35E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 38	1	5.21584934	-1.4875	-2.19E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 38	2	5.21584934	-1.8625	-2.26E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 38	3	5.21584934	-2.2375	-1.61E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 38	4	5.21584934	-2.6125	-2.43E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 38	5	5.21584934	-2.9875	-2.04E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 38	6	5.21584934	-3.3625	-2.25E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 38	7	5.21584934	-3.7375	-1.51E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 38	8	5.21584934	-4.1125	-1.20E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 39	1	5.35681824	-1.4875	-1.90E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 39	2	5.35681824	-1.8625	-1.85E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 39	3	5.35681824	-2.2375	-1.53E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 39	4	5.35681824	-2.6125	-1.99E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 39	5	5.35681824	-2.9875	-1.55E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 39	6	5.35681824	-3.3625	-1.57E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 39	7	5.35681824	-3.7375	-1.21E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 39	8	5.35681824	-4.1125	3.70E-08	6.2E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 01	1	0	-4.7875	-2.33E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 01	2	0	-5.1625	-1.73E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 01	3	0	-5.5375	-1.51E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 01	4	0	-5.9125	-2.70E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 01	5	0	-6.2875	-1.44E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 01	6	0	-6.6625	-4.17E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 01	7	0	-7.0375	-1.41E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 01	8	0	-7.4125	-1.63E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 02	1	0.1409689	-4.7875	-2.02E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 02	2	0.1409689	-5.1625	-1.21E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 02	3	0.1409689	-5.5375	-2.09E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 02	4	0.1409689	-5.9125	-2.36E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 02	5	0.1409689	-6.2875	-2.06E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 02	6	0.1409689	-6.6625	-1.95E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 02	7	0.1409689	-7.0375	-1.22E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 02	8	0.1409689	-7.4125	-1.80E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 03	1	0.2819378	-4.7875	-2.95E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 03	2	0.2819378	-5.1625	-2.87E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 03	3	0.2819378	-5.5375	-2.52E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 03	4	0.2819378	-5.9125	-2.49E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 03	5	0.2819378	-6.2875	-1.90E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 03	6	0.2819378	-6.6625	-2.42E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 03	7	0.2819378	-7.0375	8.22E-08	1.4E-13	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 03	8	0.2819378	-7.4125	-1.73E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14

Plank	Diaper	O_length	Depth	Q_corrected	K_{max} (d=1.15)	K_{med} (d=1.15)	K_{min} (d=1.15)	K_{max} (d=5)	K_{med} (d=5)	K_{min} (d=5)
				(l/min)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)
	Distance from borehole centre:			d=	1.15	1.15	1.15	5	5	5
	Measurement limit K = 5E-14 m/s			Diaper area=	0.03465	0.03465	0.03465	0.03465	0.03465	0.03465
				P (m) in rock=	7.3	24.7	108	50	133.3	220
				Median K=	1.5E-13	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 04	1	0.4229067	-4.7875	-2.70E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 04	2	0.4229067	-5.1625	-2.33E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 04	3	0.4229067	-5.5375	-2.25E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 04	4	0.4229067	-5.9125	-2.08E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 04	5	0.4229067	-6.2875	-9.71E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 04	6	0.4229067	-6.6625	-2.67E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 04	7	0.4229067	-7.0375	-1.04E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 04	8	0.4229067	-7.4125	-1.64E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 05	1	0.5638756	-4.7875	-8.39E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 05	2	0.5638756	-5.1625	-5.99E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 05	3	0.5638756	-5.5375	-2.96E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 05	4	0.5638756	-5.9125	-7.75E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 05	5	0.5638756	-6.2875	1.12E-07	1.9E-13	5.6E-14	5.0E-14	6.2E-14	5.0E-14	5.0E-14
Lower 05	6	0.5638756	-6.6625	3.29E-07	5.5E-13	1.6E-13	5.0E-14	1.8E-13	6.8E-14	5.0E-14
Lower 05	7	0.5638756	-7.0375	5.37E-07	9.0E-13	2.7E-13	6.1E-14	3.0E-13	1.1E-13	6.8E-14
Lower 05	8	0.5638756	-7.4125	1.60E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 06	1	0.70484451	-4.7875	-2.89E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 06	2	0.70484451	-5.1625	-3.14E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 06	3	0.70484451	-5.5375	-4.47E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 06	4	0.70484451	-5.9125	-2.69E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 06	5	0.70484451	-6.2875	-1.29E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 06	6	0.70484451	-6.6625	-1.11E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 06	7	0.70484451	-7.0375	4.41E-07	7.4E-13	2.2E-13	5.0E-14	2.5E-13	9.2E-14	5.6E-14
Lower 06	8	0.70484451	-7.4125	-1.73E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 07	1	0.84581341	-4.7875	-5.62E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 07	2	0.84581341	-5.1625	-5.19E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 07	3	0.84581341	-5.5375	-5.79E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 07	4	0.84581341	-5.9125	-6.40E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 07	5	0.84581341	-6.2875	-2.07E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 07	6	0.84581341	-6.6625	-2.25E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 07	7	0.84581341	-7.0375	1.30E-07	2.2E-13	6.5E-14	5.0E-14	7.2E-14	5.0E-14	5.0E-14
Lower 07	8	0.84581341	-7.4125	2.07E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 08	1	0.98678231	-4.7875	1.44E-07	2.4E-13	7.2E-14	5.0E-14	8.0E-14	5.0E-14	5.0E-14
Lower 08	2	0.98678231	-5.1625	1.12E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 08	3	0.98678231	-5.5375	-1.73E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 08	4	0.98678231	-5.9125	-1.04E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 08	5	0.98678231	-6.2875	7.95E-08	1.3E-13	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 08	6	0.98678231	-6.6625	2.59E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 08	7	0.98678231	-7.0375	-9.50E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 08	8	0.98678231	-7.4125	1.06E-07	1.8E-13	5.3E-14	5.0E-14	5.9E-14	5.0E-14	5.0E-14
Lower 09	1	1.12775121	-4.7875	9.71E-06	1.6E-11	4.8E-12	1.1E-12	5.4E-12	2.0E-12	1.2E-12
Lower 09	2	1.12775121	-5.1625	1.19E-06	2.0E-12	5.9E-13	1.3E-13	6.6E-13	2.5E-13	1.5E-13
Lower 09	3	1.12775121	-5.5375	5.25E-07	8.8E-13	2.6E-13	5.9E-14	2.9E-13	1.1E-13	6.6E-14
Lower 09	4	1.12775121	-5.9125	1.39E-07	2.3E-13	6.9E-14	5.0E-14	7.7E-14	5.0E-14	5.0E-14
Lower 09	5	1.12775121	-6.2875	1.98E-07	3.3E-13	9.8E-14	5.0E-14	1.1E-13	5.0E-14	5.0E-14
Lower 09	6	1.12775121	-6.6625	1.47E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 09	7	1.12775121	-7.0375	3.32E-07	5.6E-13	1.6E-13	5.0E-14	1.8E-13	6.9E-14	5.0E-14
Lower 09	8	1.12775121	-7.4125	3.32E-07	5.6E-13	1.6E-13	5.0E-14	1.8E-13	6.9E-14	5.0E-14
Lower 10	1	1.26872011	-4.7875	1.29E-05	2.2E-11	6.4E-12	1.5E-12	7.2E-12	2.7E-12	1.6E-12
Lower 10	2	1.26872011	-5.1625	1.59E-05	2.7E-11	7.9E-12	1.8E-12	8.8E-12	3.3E-12	2.0E-12
Lower 10	3	1.26872011	-5.5375	1.72E-05	2.9E-11	8.5E-12	1.9E-12	9.6E-12	3.6E-12	2.2E-12
Lower 10	4	1.26872011	-5.9125	7.99E-06	1.3E-11	4.0E-12	9.1E-13	4.4E-12	1.7E-12	1.0E-12
Lower 10	5	1.26872011	-6.2875	1.59E-05	2.7E-11	7.9E-12	1.8E-12	8.8E-12	3.3E-12	2.0E-12
Lower 10	6	1.26872011	-6.6625	1.70E-05	2.9E-11	8.5E-12	1.9E-12	9.5E-12	3.5E-12	2.2E-12
Lower 10	7	1.26872011	-7.0375	1.63E-05	2.7E-11	8.1E-12	1.8E-12	9.0E-12	3.4E-12	2.1E-12
Lower 10	8	1.26872011	-7.4125	7.92E-06	1.3E-11	3.9E-12	9.0E-13	4.4E-12	1.7E-12	1.0E-12

Plank	Diaper	O_length	Depth	Q_corrected	K_{max} (d=1.15)	K_{med} (d=1.15)	K_{min} (d=1.15)	K_{max} (d=5)	K_{med} (d=5)	K_{min} (d=5)
				(l/min)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)
	Distance from borehole centre:			d=	1.15	1.15	1.15	5	5	5
	Measurement limit K = 5E-14 m/s			Diaper area=	0.03465	0.03465	0.03465	0.03465	0.03465	0.03465
				P (m) in rock=	7.3	24.7	108	50	133.3	220
				Median K=	1.7E-13	5.1E-14	5.0E-14	5.7E-14	5.0E-14	5.0E-14
Lower 11	1	1.40968901	-4.7875	1.22E-05	2.1E-11	6.1E-12	1.4E-12	6.8E-12	2.5E-12	1.5E-12
Lower 11	2	1.40968901	-5.1625	1.47E-05	2.5E-11	7.3E-12	1.7E-12	8.2E-12	3.1E-12	1.9E-12
Lower 11	3	1.40968901	-5.5375	1.09E-05	1.8E-11	5.4E-12	1.2E-12	6.0E-12	2.3E-12	1.4E-12
Lower 11	4	1.40968901	-5.9125	1.03E-05	1.7E-11	5.1E-12	1.2E-12	5.7E-12	2.1E-12	1.3E-12
Lower 11	5	1.40968901	-6.2875	1.09E-05	1.8E-11	5.4E-12	1.2E-12	6.1E-12	2.3E-12	1.4E-12
Lower 11	6	1.40968901	-6.6625	1.24E-05	2.1E-11	6.2E-12	1.4E-12	6.9E-12	2.6E-12	1.6E-12
Lower 11	7	1.40968901	-7.0375	1.05E-05	1.8E-11	5.2E-12	1.2E-12	5.8E-12	2.2E-12	1.3E-12
Lower 11	8	1.40968901	-7.4125	1.43E-05	2.4E-11	7.1E-12	1.6E-12	7.9E-12	3.0E-12	1.8E-12
Lower 12	1	1.55065791	-4.7875	6.22E-06	1.0E-11	3.1E-12	7.0E-13	3.5E-12	1.3E-12	7.8E-13
Lower 12	2	1.55065791	-5.1625	1.54E-05	2.6E-11	7.6E-12	1.7E-12	8.5E-12	3.2E-12	1.9E-12
Lower 12	3	1.55065791	-5.5375	1.03E-05	1.7E-11	5.1E-12	1.2E-12	5.7E-12	2.1E-12	1.3E-12
Lower 12	4	1.55065791	-5.9125	1.41E-05	2.4E-11	7.0E-12	1.6E-12	7.8E-12	2.9E-12	1.8E-12
Lower 12	5	1.55065791	-6.2875	2.11E-05	3.5E-11	1.0E-11	2.4E-12	1.2E-11	4.4E-12	2.7E-12
Lower 12	6	1.55065791	-6.6625	2.14E-05	3.6E-11	1.1E-11	2.4E-12	1.2E-11	4.5E-12	2.7E-12
Lower 12	7	1.55065791	-7.0375	2.28E-05	3.8E-11	1.1E-11	2.6E-12	1.3E-11	4.7E-12	2.9E-12
Lower 12	8	1.55065791	-7.4125	2.19E-05	3.7E-11	1.1E-11	2.5E-12	1.2E-11	4.6E-12	2.8E-12
Lower 13	1	1.69162681	-4.7875	1.15E-05	1.9E-11	5.7E-12	1.3E-12	6.4E-12	2.4E-12	1.5E-12
Lower 13	2	1.69162681	-5.1625	9.66E-07	1.6E-12	4.8E-13	1.1E-13	5.4E-13	2.0E-13	1.2E-13
Lower 13	3	1.69162681	-5.5375	2.60E-06	4.4E-12	1.3E-12	2.9E-13	1.4E-12	5.4E-13	3.3E-13
Lower 13	4	1.69162681	-5.9125	6.69E-06	1.1E-11	3.3E-12	7.6E-13	3.7E-12	1.4E-12	8.4E-13
Lower 13	5	1.69162681	-6.2875	4.75E-06	8.0E-12	2.4E-12	5.4E-13	2.6E-12	9.9E-13	6.0E-13
Lower 13	6	1.69162681	-6.6625	2.39E-07	4.0E-13	1.2E-13	5.0E-14	1.3E-13	5.0E-14	5.0E-14
Lower 13	7	1.69162681	-7.0375	3.35E-06	5.6E-12	1.7E-12	3.8E-13	1.9E-12	7.0E-13	4.2E-13
Lower 13	8	1.69162681	-7.4125	2.69E-06	4.5E-12	1.3E-12	3.0E-13	1.5E-12	5.6E-13	3.4E-13
Lower 14	1	1.83259571	-4.7875	1.52E-05	2.6E-11	7.6E-12	1.7E-12	8.5E-12	3.2E-12	1.9E-12
Lower 14	2	1.83259571	-5.1625	1.59E-05	2.7E-11	7.9E-12	1.8E-12	8.8E-12	3.3E-12	2.0E-12
Lower 14	3	1.83259571	-5.5375	6.54E-06	1.1E-11	3.2E-12	7.4E-13	3.6E-12	1.4E-12	8.3E-13
Lower 14	4	1.83259571	-5.9125	4.23E-06	7.1E-12	2.1E-12	4.8E-13	2.4E-12	8.8E-13	5.3E-13
Lower 14	5	1.83259571	-6.2875	1.90E-06	3.2E-12	9.4E-13	2.2E-13	1.1E-12	4.0E-13	2.4E-13
Lower 14	6	1.83259571	-6.6625	1.64E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 14	7	1.83259571	-7.0375	3.29E-08	5.5E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 14	8	1.83259571	-7.4125	9.77E-08	1.6E-13	5.0E-14	5.0E-14	5.4E-14	5.0E-14	5.0E-14
Lower 15	1	1.97356462	-4.7875	1.47E-05	2.5E-11	7.3E-12	1.7E-12	8.2E-12	3.1E-12	1.9E-12
Lower 15	2	1.97356462	-5.1625	1.91E-06	3.2E-12	9.5E-13	2.2E-13	1.1E-12	4.0E-13	2.4E-13
Lower 15	3	1.97356462	-5.5375	1.19E-06	2.0E-12	5.9E-13	1.4E-13	6.6E-13	2.5E-13	1.5E-13
Lower 15	4	1.97356462	-5.9125	1.67E-06	2.8E-12	8.3E-13	1.9E-13	9.2E-13	3.5E-13	2.1E-13
Lower 15	5	1.97356462	-6.2875	1.56E-06	2.6E-12	7.7E-13	1.8E-13	8.6E-13	3.2E-13	2.0E-13
Lower 15	6	1.97356462	-6.6625	-3.20E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 15	7	1.97356462	-7.0375	-5.88E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 15	8	1.97356462	-7.4125	4.85E-08	8.1E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 16	1	2.11453352	-4.7875	4.42E-06	7.4E-12	2.2E-12	5.0E-13	2.5E-12	9.2E-13	5.6E-13
Lower 16	2	2.11453352	-5.1625	9.21E-07	1.5E-12	4.6E-13	1.0E-13	5.1E-13	1.9E-13	1.2E-13
Lower 16	3	2.11453352	-5.5375	5.46E-08	9.1E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 16	4	2.11453352	-5.9125	5.20E-08	8.7E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 16	5	2.11453352	-6.2875	2.86E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 16	6	2.11453352	-6.6625	-8.66E-10	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 16	7	2.11453352	-7.0375	-9.53E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 16	8	2.11453352	-7.4125	5.98E-08	1.0E-13	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 17	1	2.25550242	-4.7875	1.02E-07	1.7E-13	5.1E-14	5.0E-14	5.7E-14	5.0E-14	5.0E-14
Lower 17	2	2.25550242	-5.1625	0.00E+00	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 17	3	2.25550242	-5.5375	-7.79E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 17	4	2.25550242	-5.9125	-3.29E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 17	5	2.25550242	-6.2875	1.90E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 17	6	2.25550242	-6.6625	2.94E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 17	7	2.25550242	-7.0375	1.10E-07	1.8E-13	5.5E-14	5.0E-14	6.1E-14	5.0E-14	5.0E-14
Lower 17	8	2.25550242	-7.4125	2.02E-07	3.4E-13	1.0E-13	5.0E-14	1.1E-13	5.0E-14	5.0E-14

Plank	Diaper	O_length	Depth	Q_corrected	K_{max} (d=1.15)	K_{med} (d=1.15)	K_{min} (d=1.15)	K_{max} (d=5)	K_{med} (d=5)	K_{min} (d=5)
				(l/min)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)
	Distance from borehole centre:			d=	1.15	1.15	1.15	5	5	5
	Measurement limit K = 5E-14 m/s			Diaper area=	0.03465	0.03465	0.03465	0.03465	0.03465	0.03465
				P (m) in rock=	7.3	24.7	108	50	133.3	220
				Median K=	7.6E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 18	1	2.39647132	-4.7875	1.22E-07	2.0E-13	6.1E-14	5.0E-14	6.8E-14	5.0E-14	5.0E-14
Lower 18	2	2.39647132	-5.1625	-1.39E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 18	3	2.39647132	-5.5375	3.29E-08	5.5E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 18	4	2.39647132	-5.9125	3.20E-08	5.4E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 18	5	2.39647132	-6.2875	9.44E-08	1.6E-13	5.0E-14	5.0E-14	5.2E-14	5.0E-14	5.0E-14
Lower 18	6	2.39647132	-6.6625	1.57E-07	2.6E-13	7.8E-14	5.0E-14	8.7E-14	5.0E-14	5.0E-14
Lower 18	7	2.39647132	-7.0375	2.49E-07	4.2E-13	1.2E-13	5.0E-14	1.4E-13	5.2E-14	5.0E-14
Lower 18	8	2.39647132	-7.4125	2.49E-07	4.2E-13	1.2E-13	5.0E-14	1.4E-13	5.2E-14	5.0E-14
Lower 19	1	2.53744022	-4.7875	1.12E-06	1.9E-12	5.5E-13	1.3E-13	6.2E-13	2.3E-13	1.4E-13
Lower 19	2	2.53744022	-5.1625	2.89E-07	4.8E-13	1.4E-13	5.0E-14	1.6E-13	6.0E-14	5.0E-14
Lower 19	3	2.53744022	-5.5375	1.79E-07	3.0E-13	8.9E-14	5.0E-14	1.0E-13	5.0E-14	5.0E-14
Lower 19	4	2.53744022	-5.9125	5.63E-08	9.4E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 19	5	2.53744022	-6.2875	2.08E-07	3.5E-13	1.0E-13	5.0E-14	1.2E-13	5.0E-14	5.0E-14
Lower 19	6	2.53744022	-6.6625	4.59E-08	7.7E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 19	7	2.53744022	-7.0375	1.89E-07	3.2E-13	9.4E-14	5.0E-14	1.0E-13	5.0E-14	5.0E-14
Lower 19	8	2.53744022	-7.4125	1.67E-07	2.8E-13	8.3E-14	5.0E-14	9.3E-14	5.0E-14	5.0E-14
Lower 20	1	2.67840912	-4.7875	1.68E-05	2.8E-11	8.3E-12	1.9E-12	9.4E-12	3.5E-12	2.1E-12
Lower 20	2	2.67840912	-5.1625	1.06E-05	1.8E-11	5.3E-12	1.2E-12	5.9E-12	2.2E-12	1.3E-12
Lower 20	3	2.67840912	-5.5375	2.36E-06	4.0E-12	1.2E-12	2.7E-13	1.3E-12	4.9E-13	3.0E-13
Lower 20	4	2.67840912	-5.9125	2.42E-07	4.1E-13	1.2E-13	5.0E-14	1.3E-13	5.0E-14	5.0E-14
Lower 20	5	2.67840912	-6.2875	1.03E-07	1.7E-13	5.1E-14	5.0E-14	5.7E-14	5.0E-14	5.0E-14
Lower 20	6	2.67840912	-6.6625	3.81E-08	6.4E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 20	7	2.67840912	-7.0375	9.18E-08	1.5E-13	5.0E-14	5.0E-14	5.1E-14	5.0E-14	5.0E-14
Lower 20	8	2.67840912	-7.4125	1.20E-07	2.0E-13	6.0E-14	5.0E-14	6.7E-14	5.0E-14	5.0E-14
Lower 21	1	2.81937802	-4.7875	1.66E-05	2.8E-11	8.2E-12	1.9E-12	9.2E-12	3.5E-12	2.1E-12
Lower 21	2	2.81937802	-5.1625	1.15E-05	1.9E-11	5.7E-12	1.3E-12	6.4E-12	2.4E-12	1.5E-12
Lower 21	3	2.81937802	-5.5375	6.33E-06	1.1E-11	3.1E-12	7.2E-13	3.5E-12	1.3E-12	8.0E-13
Lower 21	4	2.81937802	-5.9125	2.09E-06	3.5E-12	1.0E-12	2.4E-13	1.2E-12	4.4E-13	2.6E-13
Lower 21	5	2.81937802	-6.2875	1.82E-07	3.0E-13	9.0E-14	5.0E-14	1.0E-13	5.0E-14	5.0E-14
Lower 21	6	2.81937802	-6.6625	2.34E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 21	7	2.81937802	-7.0375	2.86E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 21	8	2.81937802	-7.4125	1.21E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 22	1	2.96034692	-4.7875	6.40E-07	1.1E-12	3.2E-13	7.2E-14	3.6E-13	1.3E-13	8.1E-14
Lower 22	2	2.96034692	-5.1625	2.38E-07	4.0E-13	1.2E-13	5.0E-14	1.3E-13	5.0E-14	5.0E-14
Lower 22	3	2.96034692	-5.5375	5.97E-07	1.0E-12	3.0E-13	6.8E-14	3.3E-13	1.2E-13	7.5E-14
Lower 22	4	2.96034692	-5.9125	9.54E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 22	5	2.96034692	-6.2875	4.42E-08	7.4E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 22	6	2.96034692	-6.6625	-9.54E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 22	7	2.96034692	-7.0375	-7.37E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 22	8	2.96034692	-7.4125	-4.51E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 23	1	3.10131582	-4.7875	2.16E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 23	2	3.10131582	-5.1625	1.34E-07	2.2E-13	6.6E-14	5.0E-14	7.4E-14	5.0E-14	5.0E-14
Lower 23	3	3.10131582	-5.5375	5.26E-08	8.8E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 23	4	3.10131582	-5.9125	-3.80E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 23	5	3.10131582	-6.2875	-3.45E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 23	6	3.10131582	-6.6625	2.24E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 23	7	3.10131582	-7.0375	-4.14E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 23	8	3.10131582	-7.4125	-9.84E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 24	1	3.24228473	-4.7875	4.83E-08	8.1E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 24	2	3.24228473	-5.1625	-8.28E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 24	3	3.24228473	-5.5375	-7.59E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 24	4	3.24228473	-5.9125	-6.64E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 24	5	3.24228473	-6.2875	3.62E-08	6.1E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 24	6	3.24228473	-6.6625	1.35E-07	2.3E-13	6.7E-14	5.0E-14	7.5E-14	5.0E-14	5.0E-14
Lower 24	7	3.24228473	-7.0375	-7.68E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 24	8	3.24228473	-7.4125	-1.25E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14

Plank	Diaper	O_length	Depth	Q_corrected	K_{max} (d=1.15)	K_{med} (d=1.15)	K_{min} (d=1.15)	K_{max} (d=5)	K_{med} (d=5)	K_{min} (d=5)
				(l/min)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)
	Distance from borehole centre:			d=	1.15	1.15	1.15	5	5	5
	Measurement limit K = 5E-14 m/s			Diaper area=	0.03465	0.03465	0.03465	0.03465	0.03465	0.03465
				P (m) in rock=	7.3	24.7	108	50	133.3	220
				Median K=	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 25	1	3.38325363	-4.7875	-5.18E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 25	2	3.38325363	-5.1625	-6.30E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 25	3	3.38325363	-5.5375	-3.45E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 25	4	3.38325363	-5.9125	-5.70E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 25	5	3.38325363	-6.2875	3.71E-07	6.2E-13	1.8E-13	5.0E-14	2.1E-13	7.7E-14	5.0E-14
Lower 25	6	3.38325363	-6.6625	1.69E-06	2.8E-12	8.4E-13	1.9E-13	9.4E-13	3.5E-13	2.1E-13
Lower 25	7	3.38325363	-7.0375	2.68E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 25	8	3.38325363	-7.4125	-1.81E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 26	1	3.52422253	-4.7875	-1.10E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 26	2	3.52422253	-5.1625	-9.84E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 26	3	3.52422253	-5.5375	-9.58E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 26	4	3.52422253	-5.9125	-9.92E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 26	5	3.52422253	-6.2875	1.49E-07	2.5E-13	7.4E-14	5.0E-14	8.3E-14	5.0E-14	5.0E-14
Lower 26	6	3.52422253	-6.6625	1.52E-05	2.6E-11	7.5E-12	1.7E-12	8.5E-12	3.2E-12	1.9E-12
Lower 26	7	3.52422253	-7.0375	1.78E-06	3.0E-12	8.8E-13	2.0E-13	9.9E-13	3.7E-13	2.2E-13
Lower 26	8	3.52422253	-7.4125	1.08E-06	1.8E-12	5.3E-13	1.2E-13	6.0E-13	2.2E-13	1.4E-13
Lower 27	1	3.66519143	-4.7875	-1.14E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 27	2	3.66519143	-5.1625	-1.08E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 27	3	3.66519143	-5.5375	-1.32E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 27	4	3.66519143	-5.9125	3.99E-08	6.7E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 27	5	3.66519143	-6.2875	9.37E-08	1.6E-13	5.0E-14	5.0E-14	5.2E-14	5.0E-14	5.0E-14
Lower 27	6	3.66519143	-6.6625	7.30E-06	1.2E-11	3.6E-12	8.3E-13	4.1E-12	1.5E-12	9.2E-13
Lower 27	7	3.66519143	-7.0375	1.15E-05	1.9E-11	5.7E-12	1.3E-12	6.4E-12	2.4E-12	1.4E-12
Lower 27	8	3.66519143	-7.4125	1.49E-05	2.5E-11	7.4E-12	1.7E-12	8.3E-12	3.1E-12	1.9E-12
Lower 28	1	3.80616033	-4.7875	-1.61E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 28	2	3.80616033	-5.1625	-1.32E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 28	3	3.80616033	-5.5375	-1.08E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 28	4	3.80616033	-5.9125	2.09E-07	3.5E-13	1.0E-13	5.0E-14	1.2E-13	5.0E-14	5.0E-14
Lower 28	5	3.80616033	-6.2875	3.37E-07	5.7E-13	1.7E-13	5.0E-14	1.9E-13	7.0E-14	5.0E-14
Lower 28	6	3.80616033	-6.6625	1.58E-06	2.7E-12	7.9E-13	1.8E-13	8.8E-13	3.3E-13	2.0E-13
Lower 28	7	3.80616033	-7.0375	6.63E-06	1.1E-11	3.3E-12	7.5E-13	3.7E-12	1.4E-12	8.4E-13
Lower 28	8	3.80616033	-7.4125	2.34E-06	3.9E-12	1.2E-12	2.6E-13	1.3E-12	4.9E-13	2.9E-13
Lower 29	1	3.94712923	-4.7875	-1.66E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 29	2	3.94712923	-5.1625	-1.01E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 29	3	3.94712923	-5.5375	-8.50E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 29	4	3.94712923	-5.9125	5.40E-07	9.1E-13	2.7E-13	6.1E-14	3.0E-13	1.1E-13	6.8E-14
Lower 29	5	3.94712923	-6.2875	1.49E-06	2.5E-12	7.4E-13	1.7E-13	8.3E-13	3.1E-13	1.9E-13
Lower 29	6	3.94712923	-6.6625	1.03E-07	1.7E-13	5.1E-14	5.0E-14	5.7E-14	5.0E-14	5.0E-14
Lower 29	7	3.94712923	-7.0375	8.06E-07	1.4E-12	4.0E-13	9.1E-14	4.5E-13	1.7E-13	1.0E-13
Lower 29	8	3.94712923	-7.4125	1.59E-07	2.7E-13	7.9E-14	5.0E-14	8.8E-14	5.0E-14	5.0E-14
Lower 30	1	4.08809813	-4.7875	-1.77E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 30	2	4.08809813	-5.1625	-1.10E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 30	3	4.08809813	-5.5375	-1.07E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 30	4	4.08809813	-5.9125	4.26E-06	7.1E-12	2.1E-12	4.8E-13	2.4E-12	8.9E-13	5.4E-13
Lower 30	5	4.08809813	-6.2875	8.89E-06	1.5E-11	4.4E-12	1.0E-12	4.9E-12	1.9E-12	1.1E-12
Lower 30	6	4.08809813	-6.6625	2.41E-07	4.0E-13	1.2E-13	5.0E-14	1.3E-13	5.0E-14	5.0E-14
Lower 30	7	4.08809813	-7.0375	1.04E-07	1.7E-13	5.2E-14	5.0E-14	5.8E-14	5.0E-14	5.0E-14
Lower 30	8	4.08809813	-7.4125	1.07E-07	1.8E-13	5.3E-14	5.0E-14	5.9E-14	5.0E-14	5.0E-14
Lower 31	1	4.22906703	-4.7875	-2.58E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 31	2	4.22906703	-5.1625	-2.63E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 31	3	4.22906703	-5.5375	-1.98E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 31	4	4.22906703	-5.9125	4.26E-08	7.1E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 31	5	4.22906703	-6.2875	1.51E-05	2.5E-11	7.5E-12	1.7E-12	8.4E-12	3.2E-12	1.9E-12
Lower 31	6	4.22906703	-6.6625	4.88E-07	8.2E-13	2.4E-13	5.5E-14	2.7E-13	1.0E-13	6.2E-14
Lower 31	7	4.22906703	-7.0375	1.07E-07	1.8E-13	5.3E-14	5.0E-14	5.9E-14	5.0E-14	5.0E-14
Lower 31	8	4.22906703	-7.4125	6.10E-08	1.0E-13	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14

Plank	Diaper	O_length	Depth	Q_corrected	K_{max} (d=1.15)	K_{med} (d=1.15)	K_{min} (d=1.15)	K_{max} (d=5)	K_{med} (d=5)	K_{min} (d=5)
				(l/min)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)
	Distance from borehole centre:			d=	1.15	1.15	1.15	5	5	5
	Measurement limit K = 5E-14 m/s			Diaper area=	0.03465	0.03465	0.03465	0.03465	0.03465	0.03465
				P (m) in rock=	7.3	24.7	108	50	133.3	220
				Median K=	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 32	1	4.37003593	-4.7875	-2.48E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 32	2	4.37003593	-5.1625	-1.86E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 32	3	4.37003593	-5.5375	-1.69E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 32	4	4.37003593	-5.9125	-6.79E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 32	5	4.37003593	-6.2875	1.56E-05	2.6E-11	7.7E-12	1.8E-12	8.7E-12	3.3E-12	2.0E-12
Lower 32	6	4.37003593	-6.6625	2.59E-05	4.3E-11	1.3E-11	2.9E-12	1.4E-11	5.4E-12	3.3E-12
Lower 32	7	4.37003593	-7.0375	2.11E-05	3.5E-11	1.0E-11	2.4E-12	1.2E-11	4.4E-12	2.7E-12
Lower 32	8	4.37003593	-7.4125	8.96E-06	1.5E-11	4.4E-12	1.0E-12	5.0E-12	1.9E-12	1.1E-12
Lower 33	1	4.51100484	-4.7875	-2.20E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 33	2	4.51100484	-5.1625	-1.93E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 33	3	4.51100484	-5.5375	-1.86E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 33	4	4.51100484	-5.9125	-1.14E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 33	5	4.51100484	-6.2875	1.37E-05	2.3E-11	6.8E-12	1.6E-12	7.6E-12	2.9E-12	1.7E-12
Lower 33	6	4.51100484	-6.6625	1.50E-05	2.5E-11	7.4E-12	1.7E-12	8.3E-12	3.1E-12	1.9E-12
Lower 33	7	4.51100484	-7.0375	1.96E-05	3.3E-11	9.7E-12	2.2E-12	1.1E-11	4.1E-12	2.5E-12
Lower 33	8	4.51100484	-7.4125	3.09E-05	5.2E-11	1.5E-11	3.5E-12	1.7E-11	6.4E-12	3.9E-12
Lower 34	1	4.65197374	-4.7875	-2.16E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 34	2	4.65197374	-5.1625	-1.83E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 34	3	4.65197374	-5.5375	-2.48E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 34	4	4.65197374	-5.9125	-1.47E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 34	5	4.65197374	-6.2875	1.59E-05	2.7E-11	7.9E-12	1.8E-12	8.9E-12	3.3E-12	2.0E-12
Lower 34	6	4.65197374	-6.6625	1.54E-05	2.6E-11	7.7E-12	1.8E-12	8.6E-12	3.2E-12	1.9E-12
Lower 34	7	4.65197374	-7.0375	3.97E-05	6.6E-11	2.0E-11	4.5E-12	2.2E-11	8.3E-12	5.0E-12
Lower 34	8	4.65197374	-7.4125	5.67E-05	9.5E-11	2.8E-11	6.4E-12	3.1E-11	1.2E-11	7.2E-12
Lower 35	1	4.79294264	-4.7875	-7.26E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 35	2	4.79294264	-5.1625	8.41E-08	1.4E-13	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 35	3	4.79294264	-5.5375	-8.06E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 35	4	4.79294264	-5.9125	-2.30E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 35	5	4.79294264	-6.2875	2.03E-05	3.4E-11	1.0E-11	2.3E-12	1.1E-11	4.2E-12	2.6E-12
Lower 35	6	4.79294264	-6.6625	1.76E-05	3.0E-11	8.7E-12	2.0E-12	9.8E-12	3.7E-12	2.2E-12
Lower 35	7	4.79294264	-7.0375	2.49E-05	4.2E-11	1.2E-11	2.8E-12	1.4E-11	5.2E-12	3.1E-12
Lower 35	8	4.79294264	-7.4125	3.37E-05	5.6E-11	1.7E-11	3.8E-12	1.9E-11	7.0E-12	4.3E-12
Lower 36	1	4.93391154	-4.7875	-1.26E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 36	2	4.93391154	-5.1625	-2.30E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 36	3	4.93391154	-5.5375	-2.88E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 36	4	4.93391154	-5.9125	2.30E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 36	5	4.93391154	-6.2875	3.20E-06	5.4E-12	1.6E-12	3.6E-13	1.8E-12	6.7E-13	4.0E-13
Lower 36	6	4.93391154	-6.6625	4.17E-06	7.0E-12	2.1E-12	4.7E-13	2.3E-12	8.7E-13	5.3E-13
Lower 36	7	4.93391154	-7.0375	3.29E-06	5.5E-12	1.6E-12	3.7E-13	1.8E-12	6.9E-13	4.2E-13
Lower 36	8	4.93391154	-7.4125	2.93E-06	4.9E-12	1.5E-12	3.3E-13	1.6E-12	6.1E-13	3.7E-13
Lower 37	1	5.07488044	-4.7875	-1.22E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 37	2	5.07488044	-5.1625	-3.35E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 37	3	5.07488044	-5.5375	1.73E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 37	4	5.07488044	-5.9125	-1.06E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 37	5	5.07488044	-6.2875	1.02E-06	1.7E-12	5.1E-13	1.2E-13	5.7E-13	2.1E-13	1.3E-13
Lower 37	6	5.07488044	-6.6625	6.43E-07	1.1E-12	3.2E-13	7.3E-14	3.6E-13	1.3E-13	8.1E-14
Lower 37	7	5.07488044	-7.0375	2.54E-07	4.3E-13	1.3E-13	5.0E-14	1.4E-13	5.3E-14	5.0E-14
Lower 37	8	5.07488044	-7.4125	3.28E-07	5.5E-13	1.6E-13	5.0E-14	1.8E-13	6.8E-14	5.0E-14

Plank	Diaper	O_length	Depth	Q_corrected	K_{max} (d=1.15)	K_{med} (d=1.15)	K_{min} (d=1.15)	K_{max} (d=5)	K_{med} (d=5)	K_{min} (d=5)
				(l/min)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)
	Distance from borehole centre:			d=	1.15	1.15	1.15	5	5	5
	Measurement limit K = 5E-14 m/s			Diaper area=	0.03465	0.03465	0.03465	0.03465	0.03465	0.03465
				P (m) in rock=	7.3	24.7	108	50	133.3	220
				Median K=	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 38	1	5.21584934	-4.7875	-1.77E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 38	2	5.21584934	-5.1625	-1.19E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 38	3	5.21584934	-5.5375	-8.89E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 38	4	5.21584934	-5.9125	-1.28E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 38	5	5.21584934	-6.2875	3.58E-07	6.0E-13	1.8E-13	5.0E-14	2.0E-13	7.5E-14	5.0E-14
Lower 38	6	5.21584934	-6.6625	9.93E-08	1.7E-13	5.0E-14	5.0E-14	5.5E-14	5.0E-14	5.0E-14
Lower 38	7	5.21584934	-7.0375	-8.32E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 38	8	5.21584934	-7.4125	-8.55E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 39	1	5.35681824	-4.7875	-8.82E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 39	2	5.35681824	-5.1625	-2.36E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 39	3	5.35681824	-5.5375	-1.57E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 39	4	5.35681824	-5.9125	-2.29E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 39	5	5.35681824	-6.2875	-6.24E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 39	6	5.35681824	-6.6625	-9.25E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 39	7	5.35681824	-7.0375	-1.53E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 39	8	5.35681824	-7.4125	-1.33E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14

Part 3 Statistics of hydraulic conductivity estimations

This part presents the detailed result of a one-variable analysis of the hydraulic conductivity presented in Part 2 in this appendix. The software used is Statgraphics version 4.0.

Distribution characteristics presented in Chapter 4 is estimated from the dashed line, if it is drawn in the figures below, and from the calculated characteristics otherwise.

Analysis Summary

Data variable: Log_Kmin_1.15_m

624 values ranging from -13.301 to -11.1938

The StatAdvisor

   This procedure is designed to summarize a single sample of data. It will calculate various statistics and graphs. Also included in the procedure are confidence intervals and hypothesis tests. Use the Tabular Options and Graphical Options buttons on the analysis toolbar to access these different procedures.

Summary Statistics for Log_Kmin_1.15_m

Count = 624
Average = -13.0107
Median = -13.301
Mode = -13.301
Geometric mean =
Variance = 0.313352
Standard deviation = 0.559779
Standard error = 0.0224091
Minimum = -13.301
Maximum = -11.1938
Range = 2.10721
Lower quartile = -13.301
Upper quartile = -13.1397
Interquartile range = 0.161358
Skewness = 1.67607
Stnd. skewness = 17.0926
Kurtosis = 1.17378
Stnd. kurtosis = 5.98511
Coeff. of variation = -4.30245%
Sum = -8118.68

The StatAdvisor

   This table shows summary statistics for Log_Kmin_1.15_m. It includes measures of central tendency, measures of variability, and measures of shape. Of particular interest here are the standardized skewness and standardized kurtosis, which can be used to determine whether the sample comes from a normal distribution. Values of these statistics outside the range of -2 to +2 indicate significant departures from normality, which would tend to invalidate any statistical test regarding the standard deviation. In this case, the standardized skewness value is not within the range expected for data from a normal distribution. The standardized kurtosis value is not within the range expected for data from a normal distribution.

Percentiles for Log_Kmin_1.15_m

1.0% = -13.301
5.0% = -13.301
10.0% = -13.301
25.0% = -13.301
50.0% = -13.301
75.0% = -13.1397
90.0% = -11.8239
95.0% = -11.7212
99.0% = -11.5528

The StatAdvisor

This pane shows sample percentiles for Log_Kmin_1.15_m. The percentiles are values below which specific percentages of the data are found. You can see the percentiles graphically by selecting Quantile Plot from the list of Graphical Options.

Frequency Tabulation for Log_Kmin_1.15_m

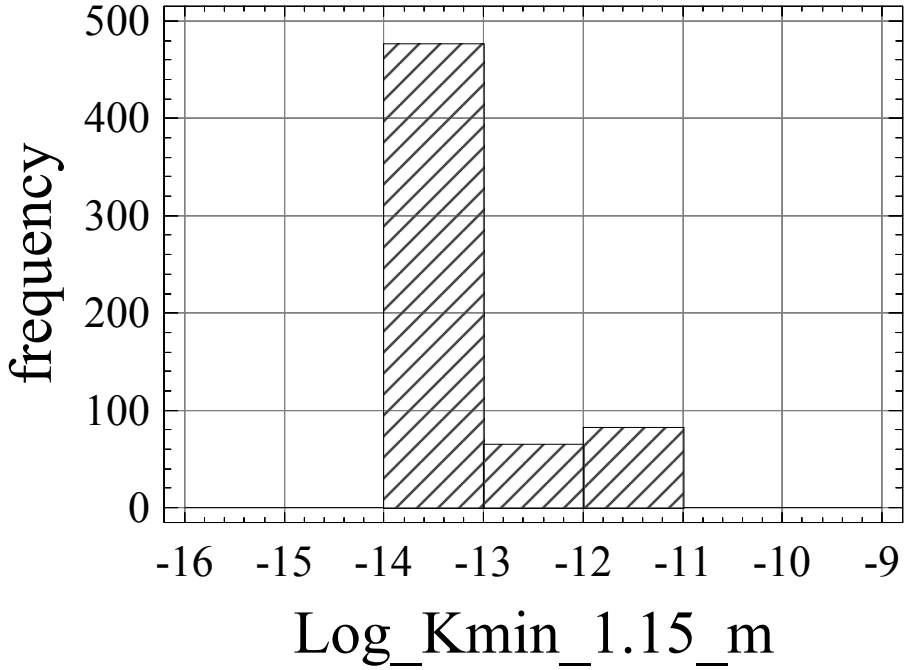
Class	Lower Limit	Upper Limit	Midpoint	Frequency	Relative Frequency	Cumulative Frequency	Cum. Rel. Frequency
at or below		-16.0		0	0.0000	0	0.0000
1	-16.0	-15.0	-15.5	0	0.0000	0	0.0000
2	-15.0	-14.0	-14.5	0	0.0000	0	0.0000
3	-14.0	-13.0	-13.5	477	0.7644	477	0.7644
4	-13.0	-12.0	-12.5	65	0.1042	542	0.8686
5	-12.0	-11.0	-11.5	82	0.1314	624	1.0000
6	-11.0	-10.0	-10.5	0	0.0000	624	1.0000
7	-10.0	-9.0	-9.5	0	0.0000	624	1.0000
above	-9.0			0	0.0000	624	1.0000

Mean = -13.0107 Standard deviation = 0.559779

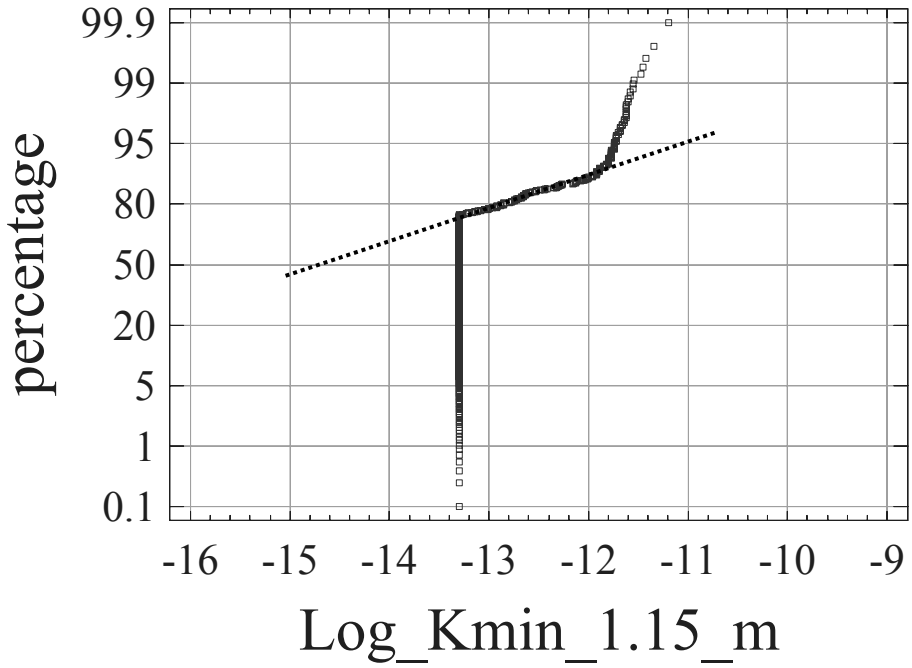
The StatAdvisor

This option performs a frequency tabulation by dividing the range of Log_Kmin_1.15_m into equal width intervals and counting the number of data values in each interval. The frequencies show the number of data values in each interval, while the relative frequencies show the proportions in each interval. You can change the definition of the intervals by pressing the alternate mouse button and selecting Pane Options. You can see the results of the tabulation graphically by selecting Frequency Histogram from the list of Graphical Options.

Histogram for Log_Kmin_1.15_m



Normal Probability Plot for Log_Kmin_1.15_m



Analysis Summary

Data variable: Log_Kmean_1.15_m

624 values ranging from -13.301 to -10.5528

The StatAdvisor

This procedure is designed to summarize a single sample of data. It will calculate various statistics and graphs. Also included in the procedure are confidence intervals and hypothesis tests. Use the Tabular Options and Graphical Options buttons on the analysis toolbar to access these different procedures.

Summary Statistics for Log_Kmean_1.15_m

Count = 624
Average = -12.8131
Median = -13.301
Mode = -13.301
Geometric mean =
Variance = 0.651381
Standard deviation = 0.807082
Standard error = 0.0323091
Minimum = -13.301
Maximum = -10.5528
Range = 2.74819
Lower quartile = -13.301
Upper quartile = -12.4949
Interquartile range = 0.80618
Skewness = 1.36774
Stnd. skewness = 13.9483
Kurtosis = 0.243978
Stnd. kurtosis = 1.24405
Coeff. of variation = -6.29889%
Sum = -7995.36

The StatAdvisor

This table shows summary statistics for Log_Kmean_1.15_m. It includes measures of central tendency, measures of variability, and measures of shape. Of particular interest here are the standardized skewness and standardized kurtosis, which can be used to determine whether the sample comes from a normal distribution. Values of these statistics outside the range of -2 to +2 indicate significant departures from normality, which would tend to invalidate any statistical test regarding the standard deviation. In this case, the standardized skewness value is not within the range expected for data from a normal distribution. The standardized kurtosis value is within the range expected for data from a normal distribution.

Percentiles for Log_Kmean_1.15_m

1.0% = -13.301
5.0% = -13.301
10.0% = -13.301
25.0% = -13.301
50.0% = -13.301
75.0% = -12.4949
90.0% = -11.1938
95.0% = -11.0706
99.0% = -10.9208

The StatAdvisor

This pane shows sample percentiles for Log_Kmean_1.15_m. The percentiles are values below which specific percentages of the data are found. You can see the percentiles graphically by selecting Quantile Plot from the list of Graphical Options.

Frequency Tabulation for Log_Kmean_1.15_m

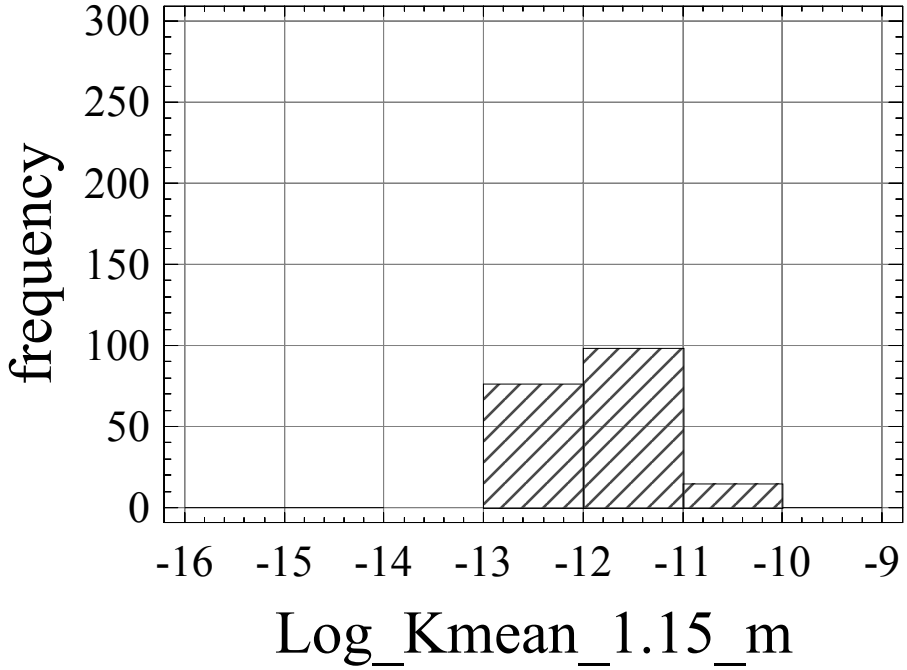
Class	Lower Limit	Upper Limit	Midpoint	Frequency	Relative Frequency	Cumulative Frequency	Cum. Rel. Frequency
at or below		-16.0		0	0.0000	0	0.0000
1	-16.0	-15.0	-15.5	0	0.0000	0	0.0000
2	-15.0	-14.0	-14.5	0	0.0000	0	0.0000
3	-14.0	-13.0	-13.5	435	0.6971	435	0.6971
4	-13.0	-12.0	-12.5	76	0.1218	511	0.8189
5	-12.0	-11.0	-11.5	98	0.1571	609	0.9760
6	-11.0	-10.0	-10.5	15	0.0240	624	1.0000
7	-10.0	-9.0	-9.5	0	0.0000	624	1.0000
above	-9.0			0	0.0000	624	1.0000

Mean = -12.8131 Standard deviation = 0.807082

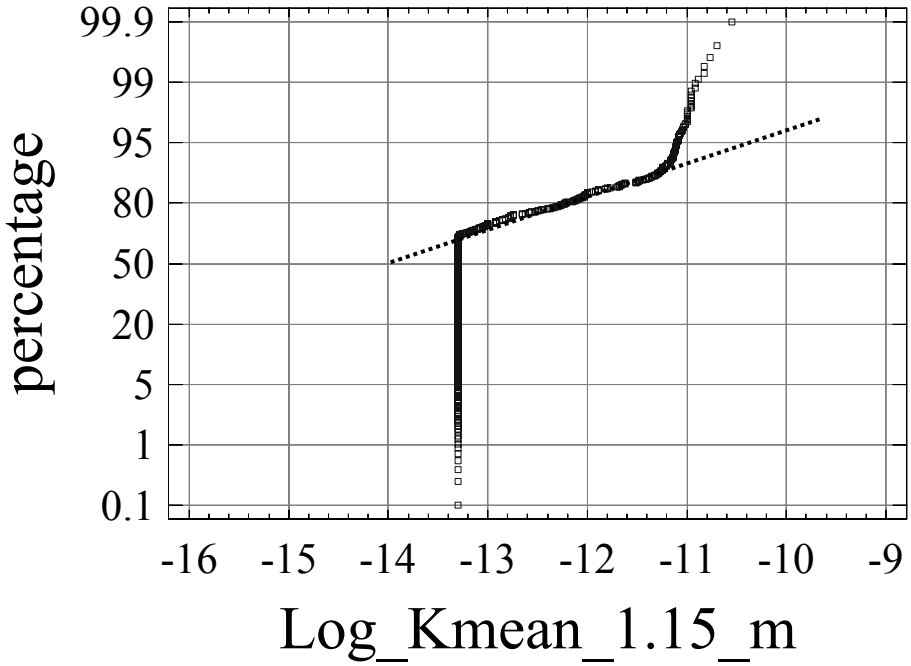
The StatAdvisor

This option performs a frequency tabulation by dividing the range of Log_Kmean_1.15_m into equal width intervals and counting the number of data values in each interval. The frequencies show the number of data values in each interval, while the relative frequencies show the proportions in each interval. You can change the definition of the intervals by pressing the alternate mouse button and selecting Pane Options. You can see the results of the tabulation graphically by selecting Frequency Histogram from the list of Graphical Options.

Histogram for Log_Kmean_1.15_m



Normal Probability Plot for Log_Kmean_1.15_m



Analysis Summary

Data variable: Log_Kmax_1.15_m

624 values ranging from -13.301 to -10.0223

The StatAdvisor

This procedure is designed to summarize a single sample of data. It will calculate various statistics and graphs. Also included in the procedure are confidence intervals and hypothesis tests. Use the Tabular Options and Graphical Options buttons on the analysis toolbar to access these different procedures.

Summary Statistics for Log_Kmax_1.15_m

Count = 624
Average = -12.6022
Median = -13.301
Mode = -13.301
Geometric mean =
Variance = 1.0277
Standard deviation = 1.01376
Standard error = 0.0405827
Minimum = -13.301
Maximum = -10.0223
Range = 3.27875
Lower quartile = -13.301
Upper quartile = -11.9586
Interquartile range = 1.34242
Skewness = 1.12929
Stnd. skewness = 11.5165
Kurtosis = -0.307925
Stnd. kurtosis = -1.57011
Coeff. of variation = -8.04427%
Sum = -7863.78

The StatAdvisor

This table shows summary statistics for Log_Kmax_1.15_m. It includes measures of central tendency, measures of variability, and measures of shape. Of particular interest here are the standardized skewness and standardized kurtosis, which can be used to determine whether the sample comes from a normal distribution. Values of these statistics outside the range of -2 to +2 indicate significant departures from normality, which would tend to invalidate any statistical test regarding the standard deviation. In this case, the standardized skewness value is not within the range expected for data from a normal distribution. The standardized kurtosis value is within the range expected for data from a normal distribution.

Percentiles for Log_Kmax_1.15_m

1.0% = -13.301
5.0% = -13.301
10.0% = -13.301
25.0% = -13.301
50.0% = -13.301
75.0% = -11.9586
90.0% = -10.6576
95.0% = -10.5376
99.0% = -10.3768

The StatAdvisor

This pane shows sample percentiles for Log_Kmax_1.15_m. The percentiles are values below which specific percentages of the data are found. You can see the percentiles graphically by selecting Quantile Plot from the list of Graphical Options.

Frequency Tabulation for Log_Kmax_1.15_m

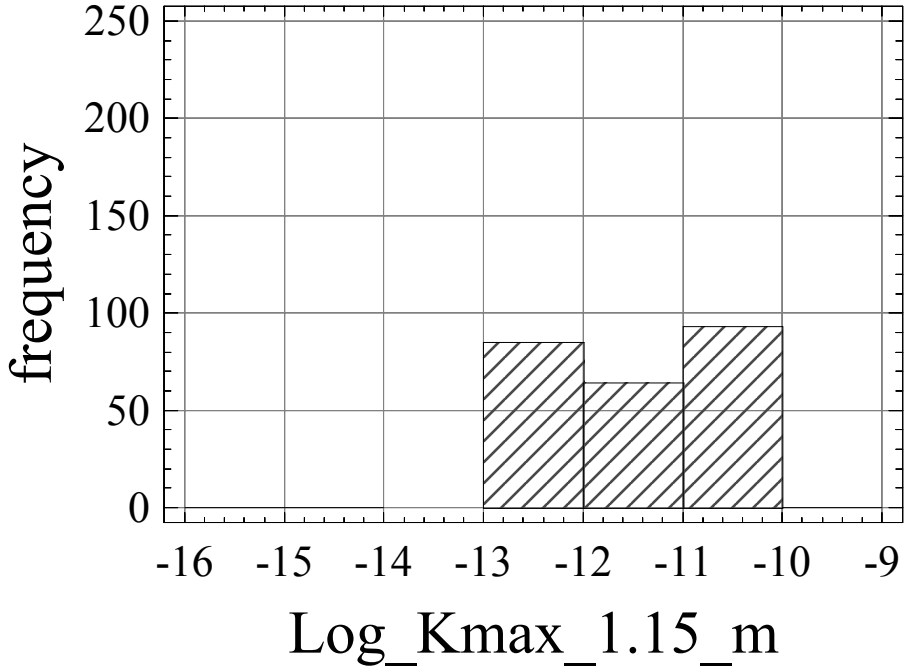
Class	Lower Limit	Upper Limit	Midpoint	Frequency	Relative Frequency	Cumulative Frequency	Cum. Rel. Frequency
at or below		-16.0		0	0.0000	0	0.0000
1	-16.0	-15.0	-15.5	0	0.0000	0	0.0000
2	-15.0	-14.0	-14.5	0	0.0000	0	0.0000
3	-14.0	-13.0	-13.5	382	0.6122	382	0.6122
4	-13.0	-12.0	-12.5	85	0.1362	467	0.7484
5	-12.0	-11.0	-11.5	64	0.1026	531	0.8510
6	-11.0	-10.0	-10.5	93	0.1490	624	1.0000
7	-10.0	-9.0	-9.5	0	0.0000	624	1.0000
above	-9.0			0	0.0000	624	1.0000

Mean = -12.6022 Standard deviation = 1.01376

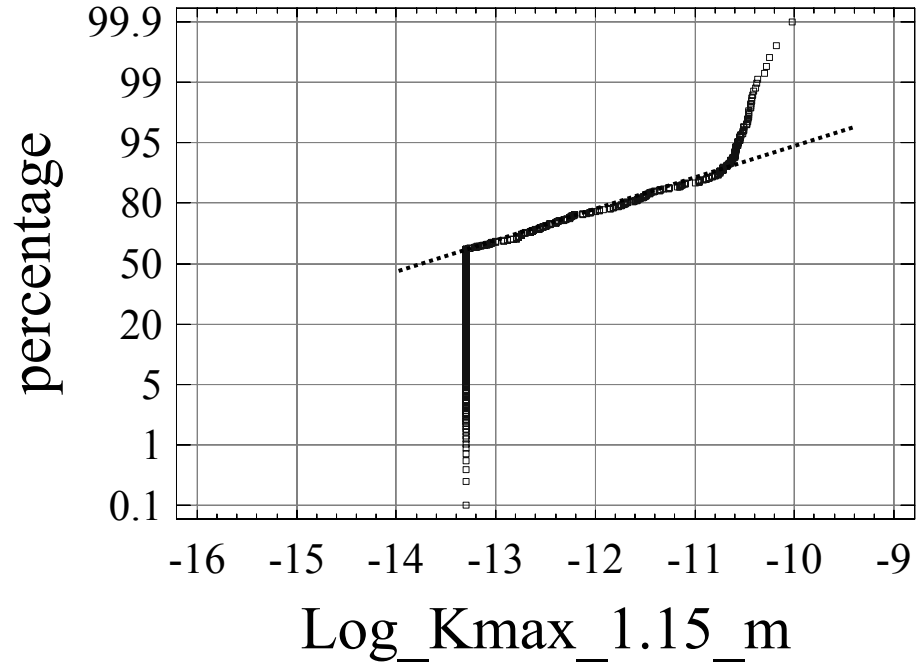
The StatAdvisor

This option performs a frequency tabulation by dividing the range of Log_Kmax_1.15_m into equal width intervals and counting the number of data values in each interval. The frequencies show the number of data values in each interval, while the relative frequencies show the proportions in each interval. You can change the definition of the intervals by pressing the alternate mouse button and selecting Pane Options. You can see the results of the tabulation graphically by selecting Frequency Histogram from the list of Graphical Options.

Histogram for Log_Kmax_1.15_m



Normal Probability Plot for Log_Kmax_1.15_m



Analysis Summary

Data variable: Log_Kmin_5_m

624 values ranging from -13.301 to -11.1427

The StatAdvisor

This procedure is designed to summarize a single sample of data. It will calculate various statistics and graphs. Also included in the procedure are confidence intervals and hypothesis tests. Use the Tabular Options and Graphical Options buttons on the analysis toolbar to access these different procedures.

Summary Statistics for Log_Kmin_5_m

Count = 624
Average = -12.9983
Median = -13.301
Mode = -13.301
Geometric mean =
Variance = 0.333713
Standard deviation = 0.577679
Standard error = 0.0231257
Minimum = -13.301
Maximum = -11.1427
Range = 2.15836
Lower quartile = -13.301
Upper quartile = -13.0915
Interquartile range = 0.209515
Skewness = 1.65091
Stnd. skewness = 16.836
Kurtosis = 1.0917
Stnd. kurtosis = 5.56662
Coeff. of variation = -4.44427%
Sum = -8110.93

The StatAdvisor

This table shows summary statistics for Log_Kmin_5_m. It includes measures of central tendency, measures of variability, and measures of shape. Of particular interest here are the standardized skewness and standardized kurtosis, which can be used to determine whether the sample comes from a normal distribution. Values of these statistics outside the range of -2 to +2 indicate significant departures from normality, which would tend to invalidate any statistical test regarding the standard deviation. In this case, the standardized skewness value is not within the range expected for data from a normal distribution. The standardized kurtosis value is not within the range expected for data from a normal distribution.

Percentiles for Log_Kmin_5_m

1.0% = -13.301
5.0% = -13.301
10.0% = -13.301
25.0% = -13.301
50.0% = -13.301
75.0% = -13.0915
90.0% = -11.7959
95.0% = -11.6576
99.0% = -11.5086

The StatAdvisor

This pane shows sample percentiles for Log_Kmin_5_m. The percentiles are values below which specific percentages of the data are found. You can see the percentiles graphically by selecting Quantile Plot from the list of Graphical Options.

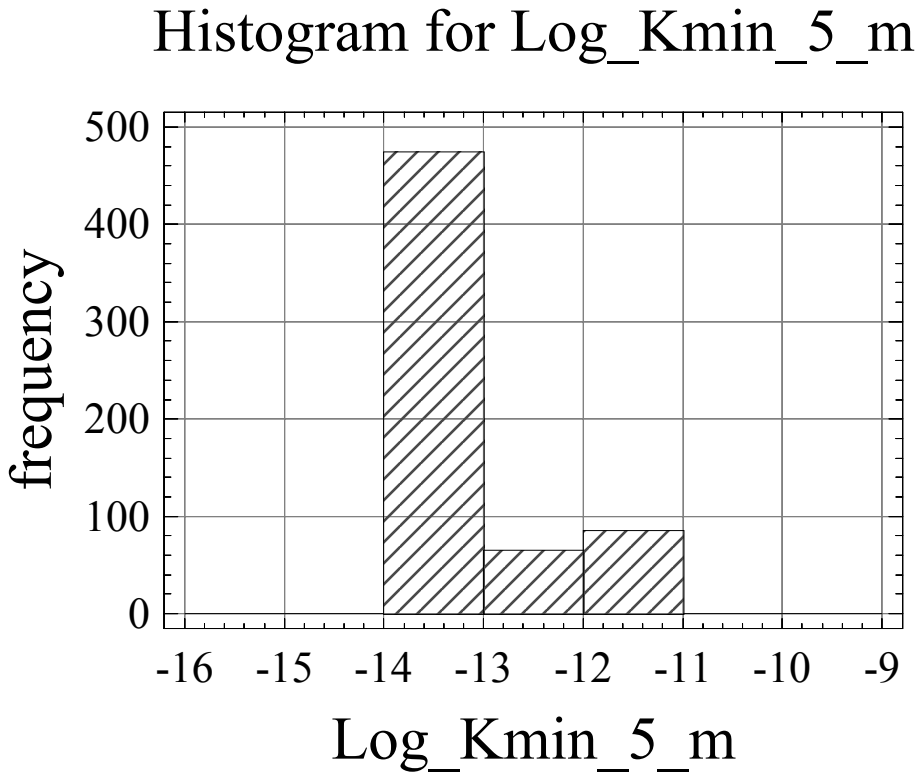
Frequency Tabulation for Log_Kmin_5_m

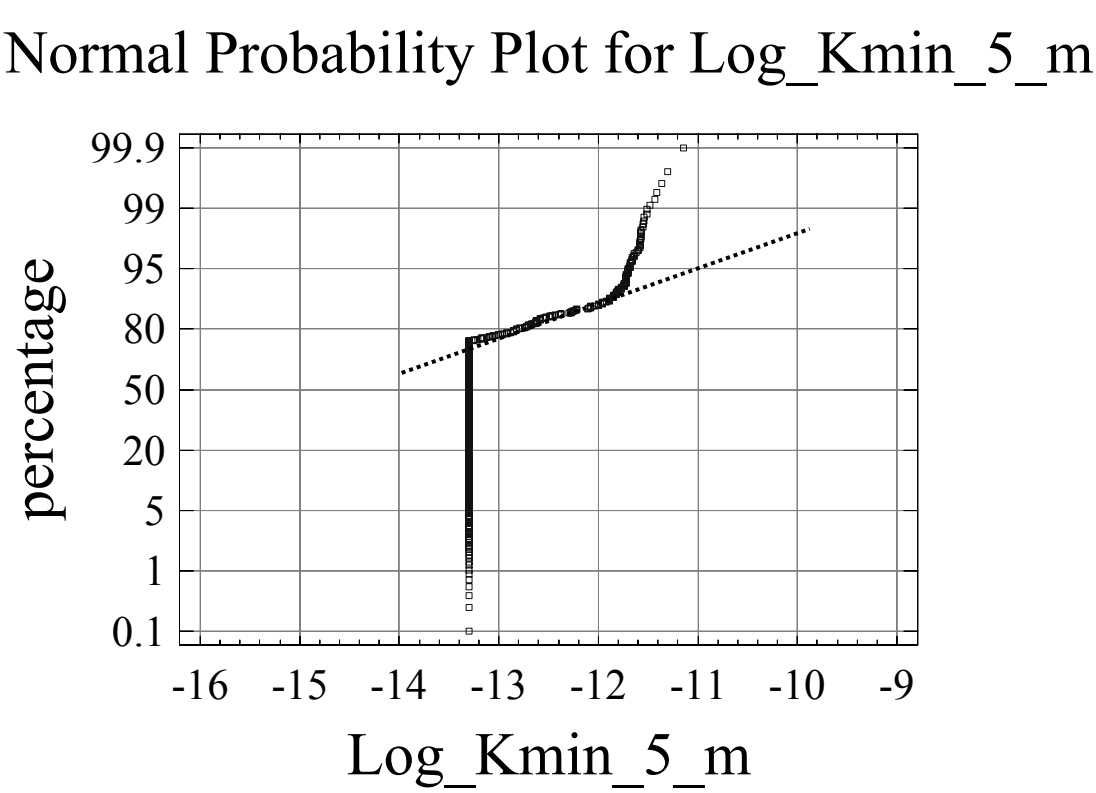
Class	Lower Limit	Upper Limit	Midpoint	Frequency	Relative Frequency	Cumulative Frequency	Cum. Rel. Frequency
at or below		-16.0		0	0.0000	0	0.0000
1	-16.0	-15.0	-15.5	0	0.0000	0	0.0000
2	-15.0	-14.0	-14.5	0	0.0000	0	0.0000
3	-14.0	-13.0	-13.5	474	0.7596	474	0.7596
4	-13.0	-12.0	-12.5	65	0.1042	539	0.8638
5	-12.0	-11.0	-11.5	85	0.1362	624	1.0000
6	-11.0	-10.0	-10.5	0	0.0000	624	1.0000
7	-10.0	-9.0	-9.5	0	0.0000	624	1.0000
above	-9.0			0	0.0000	624	1.0000

Mean = -12.9983 Standard deviation = 0.577679

The StatAdvisor

This option performs a frequency tabulation by dividing the range of Log_Kmin_5_m into equal width intervals and counting the number of data values in each interval. The frequencies show the number of data values in each interval, while the relative frequencies show the proportions in each interval. You can change the definition of the intervals by pressing the alternate mouse button and selecting Pane Options. You can see the results of the tabulation graphically by selecting Frequency Histogram from the list of Graphical Options.


Histogram for Log_Kmin_5_m
frequency
500
400
300
200
100
0
-16
-15
-14
-13
-12
-11
-10
-9
Log_Kmin_5_m


Normal Probability Plot for Log_Kmin_5_m
percentage
99.9
99
95
80
50
20
5
1
0.1
-16
-15
-14
-13
-12
-11
-10
-9
Log_Kmin_5_m

Analysis Summary

Data variable: Log_Kmean_5_m

624 values ranging from -13.301 to -10.9208

The StatAdvisor

This procedure is designed to summarize a single sample of data. It will calculate various statistics and graphs. Also included in the procedure are confidence intervals and hypothesis tests. Use the Tabular Options and Graphical Options buttons on the analysis toolbar to access these different procedures.

Summary Statistics for Log_Kmean_5_m

Count = 624
Average = -12.9371
Median = -13.301
Mode = -13.301
Geometric mean =
Variance = 0.438183
Standard deviation = 0.661954
Standard error = 0.0264994
Minimum = -13.301
Maximum = -10.9208
Range = 2.38021
Lower quartile = -13.301
Upper quartile = -12.8861
Interquartile range = 0.414973
Skewness = 1.54263
Stnd. skewness = 15.7318
Kurtosis = 0.740662
Stnd. kurtosis = 3.77665
Coeff. of variation = -5.11672%
Sum = -8072.73

The StatAdvisor

This table shows summary statistics for Log_Kmean_5_m. It includes measures of central tendency, measures of variability, and measures of shape. Of particular interest here are the standardized skewness and standardized kurtosis, which can be used to determine whether the sample comes from a normal distribution. Values of these statistics outside the range of -2 to +2 indicate significant departures from normality, which would tend to invalidate any statistical test regarding the standard deviation. In this case, the standardized skewness value is not within the range expected for data from a normal distribution. The standardized kurtosis value is not within the range expected for data from a normal distribution.

Percentiles for Log_Kmean_5_m

1.0% = -13.301
5.0% = -13.301
10.0% = -13.301
25.0% = -13.301
50.0% = -13.301
75.0% = -12.8861
90.0% = -11.5686
95.0% = -11.4559
99.0% = -11.284

The StatAdvisor

This pane shows sample percentiles for Log_Kmean_5_m. The percentiles are values below which specific percentages of the data are found. You can see the percentiles graphically by selecting Quantile Plot from the list of Graphical Options.

Frequency Tabulation for Log_Kmean_5_m

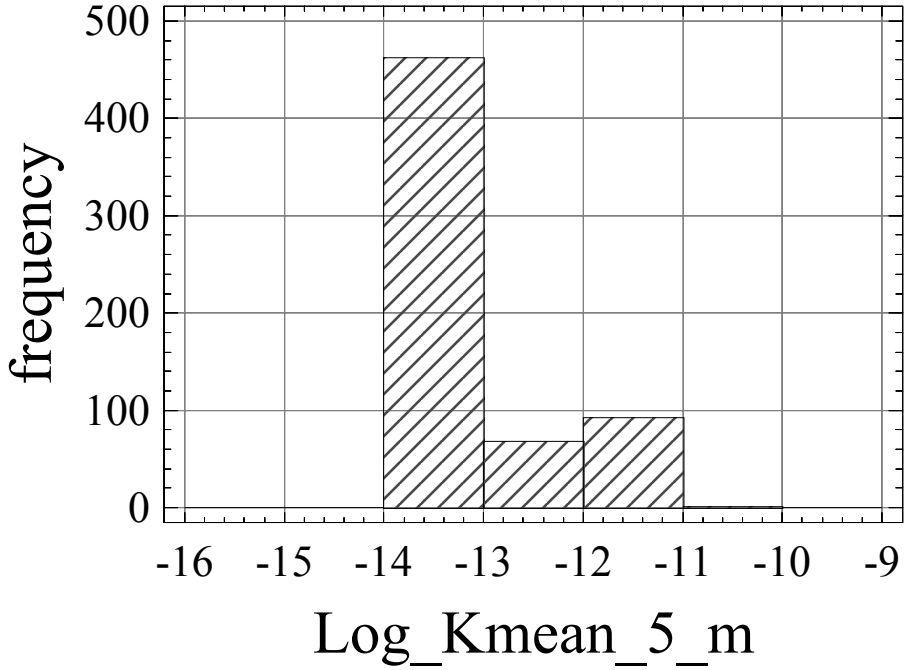
Class	Lower Limit	Upper Limit	Midpoint	Frequency	Relative Frequency	Cumulative Frequency	Cum. Rel. Frequency
at or below		-16.0		0	0.0000	0	0.0000
1	-16.0	-15.0	-15.5	0	0.0000	0	0.0000
2	-15.0	-14.0	-14.5	0	0.0000	0	0.0000
3	-14.0	-13.0	-13.5	462	0.7404	462	0.7404
4	-13.0	-12.0	-12.5	68	0.1090	530	0.8494
5	-12.0	-11.0	-11.5	93	0.1490	623	0.9984
6	-11.0	-10.0	-10.5	1	0.0016	624	1.0000
7	-10.0	-9.0	-9.5	0	0.0000	624	1.0000
above	-9.0			0	0.0000	624	1.0000

Mean = -12.9371 Standard deviation = 0.661954

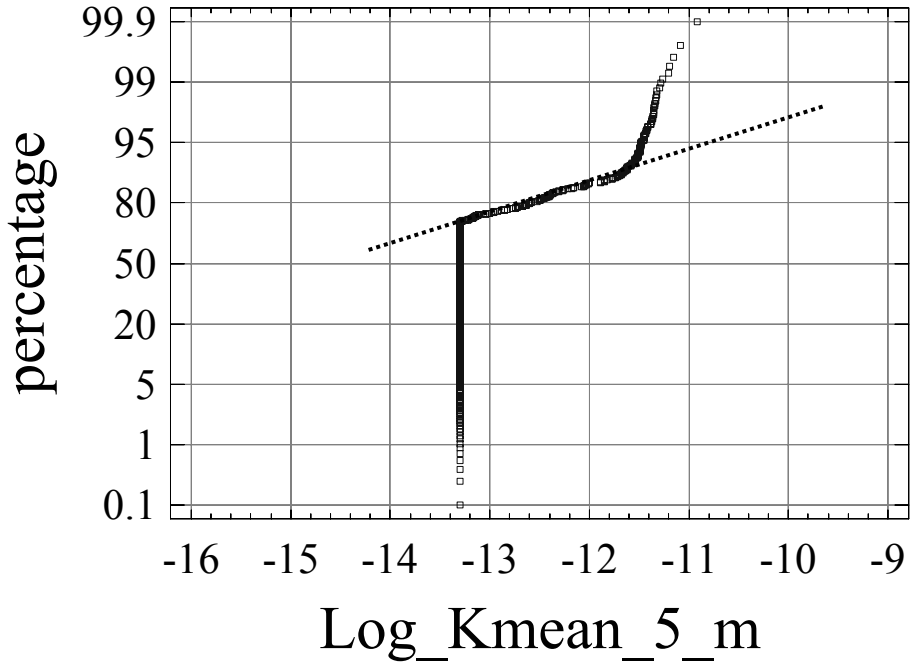
The StatAdvisor

This option performs a frequency tabulation by dividing the range of Log_Kmean_5_m into equal width intervals and counting the number of data values in each interval. The frequencies show the number of data values in each interval, while the relative frequencies show the proportions in each interval. You can change the definition of the intervals by pressing the alternate mouse button and selecting Pane Options. You can see the results of the tabulation graphically by selecting Frequency Histogram from the list of Graphical Options.

Histogram for Log_Kmean_5_m



Normal Probability Plot for Log_Kmean_5_m



Analysis Summary

Data variable: Log_Kmax_5_m

624 values ranging from -13.301 to -10.5086

The StatAdvisor

This procedure is designed to summarize a single sample of data. It will calculate various statistics and graphs. Also included in the procedure are confidence intervals and hypothesis tests. Use the Tabular Options and Graphical Options buttons on the analysis toolbar to access these different procedures.

Summary Statistics for Log_Kmax_5_m

Count = 624
Average = -12.7945
Median = -13.301
Mode = -13.301
Geometric mean =
Variance = 0.682368
Standard deviation = 0.826056
Standard error = 0.0330687
Minimum = -13.301
Maximum = -10.5086
Range = 2.79239
Lower quartile = -13.301
Upper quartile = -12.4437
Interquartile range = 0.857332
Skewness = 1.34487
Stnd. skewness = 13.715
Kurtosis = 0.18632
Stnd. kurtosis = 0.950048
Coeff. of variation = -6.45635%
Sum = -7983.75

The StatAdvisor

This table shows summary statistics for Log_Kmax_5_m. It includes measures of central tendency, measures of variability, and measures of shape. Of particular interest here are the standardized skewness and standardized kurtosis, which can be used to determine whether the sample comes from a normal distribution. Values of these statistics outside the range of -2 to +2 indicate significant departures from normality, which would tend to invalidate any statistical test regarding the standard deviation. In this case, the standardized skewness value is not within the range expected for data from a normal distribution. The standardized kurtosis value is within the range expected for data from a normal distribution.

Percentiles for Log_Kmax_5_m

1.0% = -13.301
5.0% = -13.301
10.0% = -13.301
25.0% = -13.301
50.0% = -13.301
75.0% = -12.4437
90.0% = -11.1427
95.0% = -11.0223
99.0% = -10.8539

The StatAdvisor

This pane shows sample percentiles for Log_Kmax_5_m. The percentiles are values below which specific percentages of the data are found. You can see the percentiles graphically by selecting Quantile Plot from the list of Graphical Options.

Frequency Tabulation for Log_Kmax_5_m

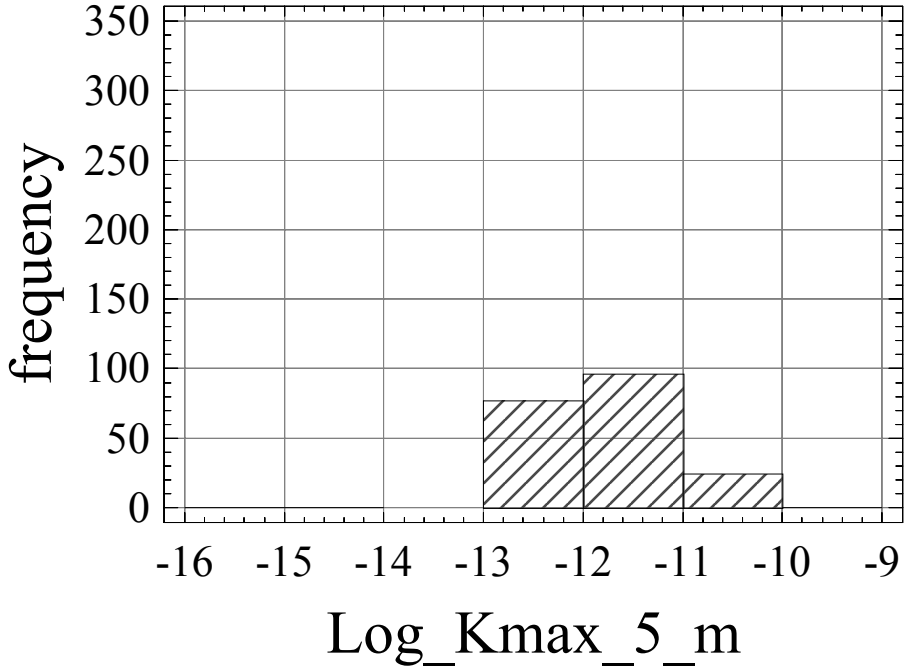
Class	Lower Limit	Upper Limit	Midpoint	Frequency	Relative Frequency	Cumulative Frequency	Cum. Rel. Frequency
at or below		-16.0		0	0.0000	0	0.0000
1	-16.0	-15.0	-15.5	0	0.0000	0	0.0000
2	-15.0	-14.0	-14.5	0	0.0000	0	0.0000
3	-14.0	-13.0	-13.5	427	0.6843	427	0.6843
4	-13.0	-12.0	-12.5	77	0.1234	504	0.8077
5	-12.0	-11.0	-11.5	96	0.1538	600	0.9615
6	-11.0	-10.0	-10.5	24	0.0385	624	1.0000
7	-10.0	-9.0	-9.5	0	0.0000	624	1.0000
above	-9.0			0	0.0000	624	1.0000

Mean = -12.7945 Standard deviation = 0.826056

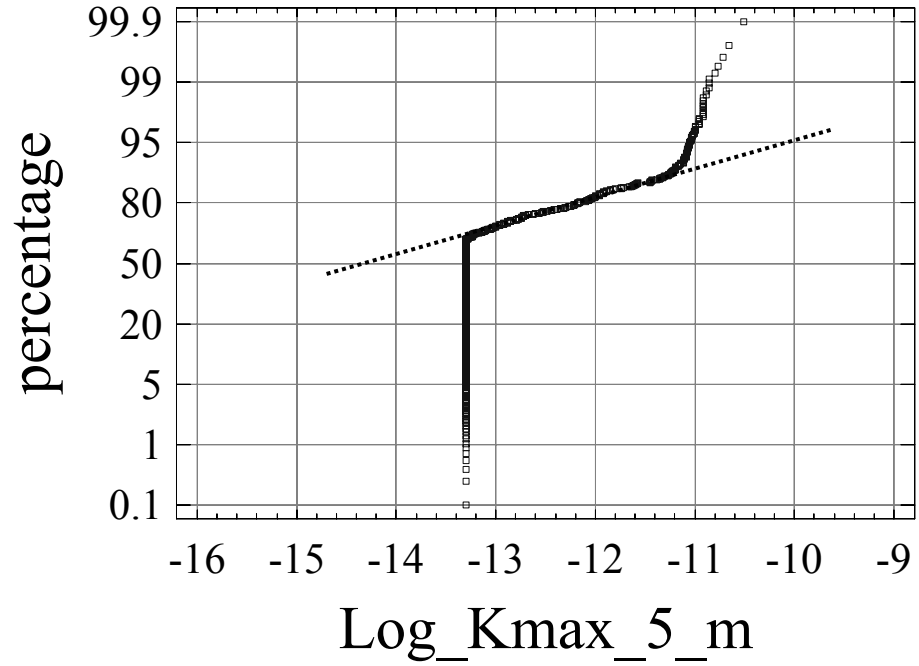
The StatAdvisor

This option performs a frequency tabulation by dividing the range of Log_Kmax_5_m into equal width intervals and counting the number of data values in each interval. The frequencies show the number of data values in each interval, while the relative frequencies show the proportions in each interval. You can change the definition of the intervals by pressing the alternate mouse button and selecting Pane Options. You can see the results of the tabulation graphically by selecting Frequency Histogram from the list of Graphical Options.

Histogram for Log_Kmax_5_m



Normal Probability Plot for Log_Kmax_5_m



Appendix 2

Measurement of inflow rates to deposition hole DA3545G01 using diapers

This appendix includes the details of the diaper measurement of DA3545G01 as described in chapter 4.2 and consists of three parts:

1. Flow measurements using diapers
2. Hydraulic conductivity estimations
3. Statistics of hydraulic conductivity estimations

Part 1 Flow measurements using diapers

Plank	The plank number
Diaper	The diaper number applied downwards
O_length	The ”length” following the borehole circumference starting at centreline of the tunnel facing east and running clock-wise
Depth	Centre of each diaper at borehole depth
Date_start	Start of measurement
Weight_start	Weight of diaper at the start of the measurement, grams
Date_end	Stop of measurement
Weight_end	Weight of diaper at the end of the measurement, grams
Weight_diff	Difference in weight between start and stop time, grams
Q_corrected	The calculated flowrate of each area covered by a diaper, m^3/s, after reducing the weight_diff with the reference value 6 grams.

Plank	Diaper	O_length (m)	Depth (m)	Date_start	Weight_start (g)	Date_end	Weight_end (g)	Weight_diff (g)	Q_corrected (m^3/s)	Q_corrected (l/min)
Upper 01	1	0	-1.4875	2002-01-08 11:05	40	2002-01-16 11:50	43.63	3.63	-2.46E-12	-1.48E-07
Upper 01	2	0	-1.8625	2002-01-08 11:05	37.57	2002-01-16 11:50	41.35	3.78	-2.25E-12	-1.35E-07
Upper 01	3	0	-2.2375	2002-01-08 11:05	39.4	2002-01-16 11:50	43.67	4.27	-1.54E-12	-9.25E-08
Upper 01	4	0	-2.6125	2002-01-08 11:05	40.5	2002-01-16 11:50	45.56	5.06	-4.04E-13	-2.42E-08
Upper 01	5	0	-2.9875	2002-01-08 11:05	40.2	2002-01-16 11:50	46.17	5.97	9.08E-13	5.45E-08
Upper 01	6	0	-3.3625	2002-01-08 11:05	40.58	2002-01-16 11:50	45.69	5.11	-3.31E-13	-1.99E-08
Upper 01	7	0	-3.7375	2002-01-08 11:05	40.7	2002-01-16 11:50	45.17	4.47	-1.25E-12	-7.52E-08
Upper 01	8	0	-4.1125	2002-01-08 11:05	39.86	2002-01-16 11:50	44.73	4.87	-6.77E-13	-4.06E-08
Upper 02	1	0.141	-1.4875	2002-01-08 11:10	39.71	2002-01-16 11:52	48.3	8.59	4.68E-12	2.81E-07
Upper 02	2	0.141	-1.8625	2002-01-08 11:10	39.6	2002-01-16 11:52	44.27	4.67	-9.66E-13	-5.79E-08
Upper 02	3	0.141	-2.2375	2002-01-08 11:10	40.08	2002-01-16 11:52	45.99	5.91	8.22E-13	4.93E-08
Upper 02	4	0.141	-2.6125	2002-01-08 11:10	39.2	2002-01-16 11:52	44.6	5.4	8.65E-14	5.19E-09
Upper 02	5	0.141	-2.9875	2002-01-08 11:10	40.31	2002-01-16 11:52	47.14	6.83	2.15E-12	1.29E-07
Upper 02	6	0.141	-3.3625	2002-01-08 11:10	39.85	2002-01-16 11:52	45.68	5.83	7.06E-13	4.24E-08
Upper 02	7	0.141	-3.7375	2002-01-08 11:10	40.47	2002-01-16 11:52	45.5	5.03	-4.47E-13	-2.68E-08
Upper 02	8	0.141	-4.1125	2002-01-08 11:10	39.76	2002-01-16 11:52	45.49	5.73	5.62E-13	3.37E-08
Upper 03	1	0.282	-1.4875	2002-01-08 11:10	41	2002-01-16 11:54	157.54	116.54	1.60E-10	9.62E-06
Upper 03	2	0.282	-1.8625	2002-01-08 11:10	39.39	2002-01-16 11:54	46.33	6.94	2.31E-12	1.38E-07
Upper 03	3	0.282	-2.2375	2002-01-08 11:10	39.25	2002-01-16 11:54	44.47	5.22	-1.73E-13	-1.04E-08
Upper 03	4	0.282	-2.6125	2002-01-08 11:10	39.79	2002-01-16 11:54	44.93	5.14	-2.88E-13	-1.73E-08
Upper 03	5	0.282	-2.9875	2002-01-08 11:10	36.85	2002-01-16 11:54	41.78	4.93	-5.91E-13	-3.55E-08
Upper 03	6	0.282	-3.3625	2002-01-08 11:10	41.2	2002-01-16 11:54	47.13	5.93	8.50E-13	5.10E-08
Upper 03	7	0.282	-3.7375	2002-01-08 11:10	39.54	2002-01-16 11:54	44.88	5.34	5.12E-27	3.07E-22
Upper 03	8	0.282	-4.1125	2002-01-08 11:10	41.09	2002-01-16 11:54	47.12	6.03	9.94E-13	5.97E-08
Upper 04	1	0.423	-1.4875	2002-01-08 11:15	40.45	2002-01-16 12:00	273.83	233.38	3.29E-10	1.97E-05
Upper 04	2	0.423	-1.8625	2002-01-08 11:15	40.16	2002-01-16 12:00	245.64	205.48	2.88E-10	1.73E-05
Upper 04	3	0.423	-2.2375	2002-01-08 11:15	40.7	2002-01-16 12:00	191.45	150.75	2.10E-10	1.26E-05
Upper 04	4	0.423	-2.6125	2002-01-08 11:15	39.99	2002-01-16 12:00	63.19	23.2	2.57E-11	1.54E-06
Upper 04	5	0.423	-2.9875	2002-01-08 11:15	39.57	2002-01-16 12:00	72.76	33.19	4.01E-11	2.41E-06
Upper 04	6	0.423	-3.3625	2002-01-08 11:15	40.76	2002-01-16 12:00	48.45	7.69	3.39E-12	2.03E-07
Upper 04	7	0.423	-3.7375	2002-01-08 11:15	40.94	2002-01-16 12:00	51.78	10.84	7.93E-12	4.76E-07
Upper 04	8	0.423	-4.1125	2002-01-08 11:15	39.03	2002-01-16 12:00	45.17	6.14	1.15E-12	6.92E-08
Upper 05	1	0.564	-1.4875	2002-01-08 11:18	40.93	2002-01-16 12:00	273.51	232.58	3.28E-10	1.97E-05
Upper 05	2	0.564	-1.8625	2002-01-08 11:18	40.23	2002-01-16 12:00	236.88	196.65	2.76E-10	1.65E-05
Upper 05	3	0.564	-2.2375	2002-01-08 11:18	41.33	2002-01-16 12:00	144.82	103.49	1.41E-10	8.49E-06
Upper 05	4	0.564	-2.6125	2002-01-08 11:18	40.41	2002-01-16 12:00	152.52	112.11	1.54E-10	9.23E-06
Upper 05	5	0.564	-2.9875	2002-01-08 11:18	40.31	2002-01-16 12:00	156.04	115.73	1.59E-10	9.55E-06
Upper 05	6	0.564	-3.3625	2002-01-08 11:18	39.9	2002-01-16 12:00	55.73	15.83	1.51E-11	9.07E-07
Upper 05	7	0.564	-3.7375	2002-01-08 11:18	39.79	2002-01-16 12:00	61.63	21.84	2.38E-11	1.43E-06
Upper 05	8	0.564	-4.1125	2002-01-08 11:18	39.82	2002-01-16 12:00	49.88	10.06	6.80E-12	4.08E-07
Upper 06	1	0.705	-1.4875	2002-01-08 11:20	38.53	2002-01-16 12:00	233.43	194.9	2.73E-10	1.64E-05
Upper 06	2	0.705	-1.8625	2002-01-08 11:20	41.84	2002-01-16 12:00	228.6	186.76	2.62E-10	1.57E-05
Upper 06	3	0.705	-2.2375	2002-01-08 11:20	39.68	2002-01-16 12:00	267.85	228.17	3.21E-10	1.93E-05
Upper 06	4	0.705	-2.6125	2002-01-08 11:20	40.9	2002-01-16 12:00	177.16	136.26	1.89E-10	1.13E-05
Upper 06	5	0.705	-2.9875	2002-01-08 11:20	39.58	2002-01-16 12:00	217.68	178.1	2.49E-10	1.49E-05
Upper 06	6	0.705	-3.3625	2002-01-08 11:20	40.04	2002-01-16 12:00	107.33	67.29	8.93E-11	5.36E-06
Upper 06	7	0.705	-3.7375	2002-01-08 11:20	40.9	2002-01-16 12:00	77.4	36.5	4.49E-11	2.70E-06
Upper 06	8	0.705	-4.1125	2002-01-08 11:20	39.85	2002-01-16 12:00	55.8	15.95	1.53E-11	9.18E-07
Upper 07	1	0.846	-1.4875	2002-01-08 11:23	41.12	2002-01-16 12:08	265.64	224.52	3.16E-10	1.90E-05
Upper 07	2	0.846	-1.8625	2002-01-08 11:23	40.27	2002-01-16 12:08	73.22	32.95	3.98E-11	2.39E-06
Upper 07	3	0.846	-2.2375	2002-01-08 11:23	38.24	2002-01-16 12:08	43.41	5.17	-2.45E-13	-1.47E-08
Upper 07	4	0.846	-2.6125	2002-01-08 11:23	39.24	2002-01-16 12:08	44.56	5.32	-2.88E-14	-1.73E-09
Upper 07	5	0.846	-2.9875	2002-01-08 11:23	40.32	2002-01-16 12:08	46	5.68	4.90E-13	2.94E-08
Upper 07	6	0.846	-3.3625	2002-01-08 11:23	40.11	2002-01-16 12:08	46.04	5.93	8.50E-13	5.10E-08
Upper 07	7	0.846	-3.7375	2002-01-08 11:23	39.15	2002-01-16 12:08	43.92	4.77	-8.21E-13	-4.93E-08
Upper 07	8	0.846	-4.1125	2002-01-08 11:23	40.07	2002-01-16 12:08	44.82	4.75	-8.50E-13	-5.10E-08
Upper 08	1	0.987	-1.4875	2002-01-08 11:25	40	2002-01-16 12:10	50.89	10.89	8.00E-12	4.80E-07
Upper 08	2	0.987	-1.8625	2002-01-08 11:25	40.11	2002-01-16 12:10	44.7	4.59	-1.08E-12	-6.49E-08
Upper 08	3	0.987	-2.2375	2002-01-08 11:25	41.4	2002-01-16 12:10	45.75	4.35	-1.43E-12	-8.56E-08
Upper 08	4	0.987	-2.6125	2002-01-08 11:25	38	2002-01-16 12:10	42.56	4.56	-1.12E-12	-6.74E-08
Upper 08	5	0.987	-2.9875	2002-01-08 11:25	40.17	2002-01-16 12:10	44.46	4.29	-1.51E-12	-9.08E-08
Upper 08	6	0.987	-3.3625	2002-01-08 11:25	40.37	2002-01-16 12:10	46.5	6.13	1.14E-12	6.83E-08
Upper 08	7	0.987	-3.7375	2002-01-08 11:25	42.69	2002-01-16 12:10	47.45	4.76	-8.36E-13	-5.02E-08
Upper 08	8	0.987	-4.1125	2002-01-08 11:25	42.46	2002-01-16 12:10	46.08	3.62	-2.48E-12	-1.49E-07

Plank	Diaper	O_length (m)	Depth (m)	Date_start	Weight_start (g)	Date_end	Weight_end (g)	Weight_diff (g)	Q_corrected (m^3/s)	Q_corrected (l/min)
Upper 09	1	1.128	-1.4875	2002-01-08 11:28	42.63	2002-01-16 12:13	46.97	4.34	-1.44E-12	-8.65E-08
Upper 09	2	1.128	-1.8625	2002-01-08 11:28	43.22	2002-01-16 12:13	47	3.78	-2.25E-12	-1.35E-07
Upper 09	3	1.128	-2.2375	2002-01-08 11:28	42	2002-01-16 12:13	46.73	4.73	-8.79E-13	-5.27E-08
Upper 09	4	1.128	-2.6125	2002-01-08 11:28	39.99	2002-01-16 12:13	43.78	3.79	-2.23E-12	-1.34E-07
Upper 09	5	1.128	-2.9875	2002-01-08 11:28	38.65	2002-01-16 12:13	46.85	8.2	4.12E-12	2.47E-07
Upper 09	6	1.128	-3.3625	2002-01-08 11:28	37.54	2002-01-16 12:13	43.34	5.8	6.63E-13	3.98E-08
Upper 09	7	1.128	-3.7375	2002-01-08 11:28	39.45	2002-01-16 12:13	44.02	4.57	-1.11E-12	-6.66E-08
Upper 09	8	1.128	-4.1125	2002-01-08 11:28	40.52	2002-01-16 12:13	44.71	4.19	-1.66E-12	-9.94E-08
Upper 10	1	1.269	-1.4875	2002-01-08 11:34	38.91	2002-01-16 12:15	42.85	3.94	-2.02E-12	-1.21E-07
Upper 10	2	1.269	-1.8625	2002-01-08 11:34	41.91	2002-01-16 12:15	41.98	0.07	-7.60E-12	-4.56E-07
Upper 10	3	1.269	-2.2375	2002-01-08 11:34	41.81	2002-01-16 12:15	46.94	5.13	-3.03E-13	-1.82E-08
Upper 10	4	1.269	-2.6125	2002-01-08 11:34	42.58	2002-01-16 12:15	50.4	7.82	3.58E-12	2.15E-07
Upper 10	5	1.269	-2.9875	2002-01-08 11:34	41.92	2002-01-16 12:15	48.75	6.83	2.15E-12	1.29E-07
Upper 10	6	1.269	-3.3625	2002-01-08 11:34	39.94	2002-01-16 12:15	47.18	7.24	2.74E-12	1.64E-07
Upper 10	7	1.269	-3.7375	2002-01-08 11:34	40.54	2002-01-16 12:15	47.15	6.61	1.83E-12	1.10E-07
Upper 10	8	1.269	-4.1125	2002-01-08 11:34	39.79	2002-01-16 12:15	45.12	5.33	-1.44E-14	-8.65E-10
Upper 11	1	1.410	-1.4875	2002-01-08 11:36	39.96	2002-01-16 12:17	44.03	4.07	-1.83E-12	-1.10E-07
Upper 11	2	1.410	-1.8625	2002-01-08 11:36	39.44	2002-01-16 12:17	43.1	3.66	-2.42E-12	-1.45E-07
Upper 11	3	1.410	-2.2375	2002-01-08 11:36	42.1	2002-01-16 12:17	47.93	5.83	7.06E-13	4.24E-08
Upper 11	4	1.410	-2.6125	2002-01-08 11:36	39.84	2002-01-16 12:17	154.46	114.62	1.58E-10	9.45E-06
Upper 11	5	1.410	-2.9875	2002-01-08 11:36	38.97	2002-01-16 12:17	103.32	64.35	8.51E-11	5.10E-06
Upper 11	6	1.410	-3.3625	2002-01-08 11:36	38.02	2002-01-16 12:17	51.12	13.1	1.12E-11	6.71E-07
Upper 11	7	1.410	-3.7375	2002-01-08 11:36	39.69	2002-01-16 12:17	142.66	102.97	1.41E-10	8.44E-06
Upper 11	8	1.410	-4.1125	2002-01-08 11:36	38.37	2002-01-16 12:17	46.72	8.35	4.34E-12	2.60E-07
Upper 12	1	1.551	-1.4875	2002-01-08 11:40	38.41	2002-01-16 12:18	42.54	4.13	-1.74E-12	-1.05E-07
Upper 12	2	1.551	-1.8625	2002-01-08 11:40	39.9	2002-01-16 12:18	43.87	3.97	-1.98E-12	-1.19E-07
Upper 12	3	1.551	-2.2375	2002-01-08 11:40	38.55	2002-01-16 12:18	45.06	6.51	1.69E-12	1.01E-07
Upper 12	4	1.551	-2.6125	2002-01-08 11:40	41.01	2002-01-16 12:18	177.86	136.85	1.90E-10	1.14E-05
Upper 12	5	1.551	-2.9875	2002-01-08 11:40	40.16	2002-01-16 12:18	253.18	213.02	2.99E-10	1.80E-05
Upper 12	6	1.551	-3.3625	2002-01-08 11:40	38.67	2002-01-16 12:18	373.55	334.88	4.75E-10	2.85E-05
Upper 12	7	1.551	-3.7375	2002-01-08 11:40	39.68	2002-01-16 12:18	341.62	301.94	4.28E-10	2.57E-05
Upper 12	8	1.551	-4.1125	2002-01-08 11:40	41.86	2002-01-16 12:18	336.4	294.54	4.17E-10	2.50E-05
Upper 13	1	1.692	-1.4875	2002-01-08 11:43	40.7	2002-01-16 12:20	45.17	4.47	-1.25E-12	-7.53E-08
Upper 13	2	1.692	-1.8625	2002-01-08 11:43	41.22	2002-01-16 12:20	44.8	3.58	-2.54E-12	-1.52E-07
Upper 13	3	1.692	-2.2375	2002-01-08 11:43	38.6	2002-01-16 12:20	42.92	4.32	-1.47E-12	-8.83E-08
Upper 13	4	1.692	-2.6125	2002-01-08 11:43	38.26	2002-01-16 12:20	49.16	10.9	8.02E-12	4.81E-07
Upper 13	5	1.692	-2.9875	2002-01-08 11:43	39.53	2002-01-16 12:20	56.98	17.45	1.75E-11	1.05E-06
Upper 13	6	1.692	-3.3625	2002-01-08 11:43	38.1	2002-01-16 12:20	45.02	6.92	2.28E-12	1.37E-07
Upper 13	7	1.692	-3.7375	2002-01-08 11:43	39.27	2002-01-16 12:20	49.15	9.88	6.55E-12	3.93E-07
Upper 13	8	1.692	-4.1125	2002-01-08 11:43	39.66	2002-01-16 12:20	44.42	4.76	-8.36E-13	-5.02E-08
Upper 14	1	1.833	-1.4875	2002-01-08 11:45	39.9	2002-01-16 13:25	180	140.1	1.93E-10	1.16E-05
Upper 14	2	1.833	-1.8625	2002-01-08 11:45	39.42	2002-01-16 13:25	145.97	106.55	1.45E-10	8.71E-06
Upper 14	3	1.833	-2.2375	2002-01-08 11:45	38.94	2002-01-16 13:25	75.64	36.7	4.50E-11	2.70E-06
Upper 14	4	1.833	-2.6125	2002-01-08 11:45	42.3	2002-01-16 13:25	52.09	9.79	6.38E-12	3.83E-07
Upper 14	5	1.833	-2.9875	2002-01-08 11:45	40.18	2002-01-16 13:25	45.61	5.43	1.29E-13	7.75E-09
Upper 14	6	1.833	-3.3625	2002-01-08 11:45	37.5	2002-01-16 13:25	42.95	5.45	1.58E-13	9.47E-09
Upper 14	7	1.833	-3.7375	2002-01-08 11:45	38.6	2002-01-16 13:25	43.79	5.19	-2.15E-13	-1.29E-08
Upper 14	8	1.833	-4.1125	2002-01-08 11:45	38.12	2002-01-16 13:25	41.63	3.51	-2.62E-12	-1.57E-07
Upper 15	1	1.974	-1.4875	2002-01-08 11:48	38.42	2002-01-16 13:30	114.41	75.99	1.01E-10	6.08E-06
Upper 15	2	1.974	-1.8625	2002-01-08 11:48	39	2002-01-16 13:30	186.63	147.63	2.04E-10	1.22E-05
Upper 15	3	1.974	-2.2375	2002-01-08 11:48	38.85	2002-01-16 13:30	254.89	216.04	3.02E-10	1.81E-05
Upper 15	4	1.974	-2.6125	2002-01-08 11:48	39.34	2002-01-16 13:30	273.52	234.18	3.28E-10	1.97E-05
Upper 15	5	1.974	-2.9875	2002-01-08 11:48	39.54	2002-01-16 13:30	269.28	229.74	3.22E-10	1.93E-05
Upper 15	6	1.974	-3.3625	2002-01-08 11:48	39.59	2002-01-16 13:30	312.86	273.27	3.84E-10	2.31E-05
Upper 15	7	1.974	-3.7375	2002-01-08 11:48	39.7	2002-01-16 13:30	301.64	261.94	3.68E-10	2.21E-05
Upper 15	8	1.974	-4.1125	2002-01-08 11:48	39.27	2002-01-16 13:30	275.51	236.24	3.31E-10	1.99E-05
Upper 16	1	2.115	-1.4875	2002-01-08 11:52	38.71	2002-01-16 13:33	102.28	63.57	8.35E-11	5.01E-06
Upper 16	2	2.115	-1.8625	2002-01-08 11:52	37.95	2002-01-16 13:33	177.02	139.07	1.92E-10	1.15E-05
Upper 16	3	2.115	-2.2375	2002-01-08 11:52	38.69	2002-01-16 13:33	221.2	182.51	2.54E-10	1.52E-05
Upper 16	4	2.115	-2.6125	2002-01-08 11:52	38.38	2002-01-16 13:33	244.52	206.14	2.88E-10	1.73E-05
Upper 16	5	2.115	-2.9875	2002-01-08 11:52	40.24	2002-01-16 13:33	249.66	209.42	2.93E-10	1.76E-05
Upper 16	6	2.115	-3.3625	2002-01-08 11:52	38.14	2002-01-16 13:33	289.32	251.18	3.53E-10	2.12E-05
Upper 16	7	2.115	-3.7375	2002-01-08 11:52	37.51	2002-01-16 13:33	330.88	293.37	4.13E-10	2.48E-05
Upper 16	8	2.115	-4.1125	2002-01-08 11:52	39.49	2002-01-16 13:33	309.11	269.62	3.79E-10	2.27E-05

Plank	Diaper	O_length (m)	Depth (m)	Date_start	Weight_start (g)	Date_end	Weight_end (g)	Weight_diff (g)	Q_corrected (m^3/s)	Q_corrected (l/min)
Upper 17	1	2.256	-1.4875	2002-01-08 11:55	39.6	2002-01-16 13:37	201.08	161.48	2.24E-10	1.34E-05
Upper 17	2	2.256	-1.8625	2002-01-08 11:55	36.9	2002-01-16 13:37	238.05	201.15	2.81E-10	1.68E-05
Upper 17	3	2.256	-2.2375	2002-01-08 11:55	38.9	2002-01-16 13:37	155.95	117.05	1.60E-10	9.61E-06
Upper 17	4	2.256	-2.6125	2002-01-08 11:55	40.78	2002-01-16 13:37	56.38	15.6	1.47E-11	8.83E-07
Upper 17	5	2.256	-2.9875	2002-01-08 11:55	39	2002-01-16 13:37	49.09	10.09	6.81E-12	4.09E-07
Upper 17	6	2.256	-3.3625	2002-01-08 11:55	39.57	2002-01-16 13:37	93.38	53.81	6.95E-11	4.17E-06
Upper 17	7	2.256	-3.7375	2002-01-08 11:55	37.99	2002-01-16 13:37	59.59	21.6	2.33E-11	1.40E-06
Upper 17	8	2.256	-4.1125	2002-01-08 11:55	39.6	2002-01-16 13:37	50.96	11.36	8.63E-12	5.18E-07
Upper 18	1	2.396	-1.4875	2002-01-08 11:58	39.63	2002-01-16 13:38	265.03	225.4	3.16E-10	1.89E-05
Upper 18	2	2.396	-1.8625	2002-01-08 11:58	41.28	2002-01-16 13:38	60.28	19	1.96E-11	1.18E-06
Upper 18	3	2.396	-2.2375	2002-01-08 11:58	39.84	2002-01-16 13:38	58.61	18.77	1.93E-11	1.16E-06
Upper 18	4	2.396	-2.6125	2002-01-08 11:58	40.3	2002-01-16 13:38	45.23	4.93	-5.88E-13	-3.53E-08
Upper 18	5	2.396	-2.9875	2002-01-08 11:58	37.34	2002-01-16 13:38	41.86	4.52	-1.18E-12	-7.06E-08
Upper 18	6	2.396	-3.3625	2002-01-08 11:58	39	2002-01-16 13:38	43.48	4.48	-1.23E-12	-7.40E-08
Upper 18	7	2.396	-3.7375	2002-01-08 11:58	37	2002-01-16 13:38	41.58	4.58	-1.09E-12	-6.54E-08
Upper 18	8	2.396	-4.1125	2002-01-08 11:58	39.08	2002-01-16 13:38	43.14	4.06	-1.84E-12	-1.10E-07
Upper 19	1	2.537	-1.4875	2002-01-08 12:00	40.19	2002-01-16 13:40	186.3	146.11	2.02E-10	1.21E-05
Upper 19	2	2.537	-1.8625	2002-01-08 12:00	40.35	2002-01-16 13:40	50.34	9.99	6.67E-12	4.00E-07
Upper 19	3	2.537	-2.2375	2002-01-08 12:00	37.7	2002-01-16 13:40	43	5.3	-5.74E-14	-3.44E-09
Upper 19	4	2.537	-2.6125	2002-01-08 12:00	39.91	2002-01-16 13:40	45.23	5.32	-2.87E-14	-1.72E-09
Upper 19	5	2.537	-2.9875	2002-01-08 12:00	41.66	2002-01-16 13:40	43.2	1.54	-5.45E-12	-3.27E-07
Upper 19	6	2.537	-3.3625	2002-01-08 12:00	40.64	2002-01-16 13:40	46.63	5.99	9.32E-13	5.59E-08
Upper 19	7	2.537	-3.7375	2002-01-08 12:00	39.44	2002-01-16 13:40	47.09	7.65	3.31E-12	1.99E-07
Upper 19	8	2.537	-4.1125	2002-01-08 12:00	39.93	2002-01-16 13:40	44.15	4.22	-1.61E-12	-9.64E-08
Upper 20	1	2.678	-1.4875	2002-01-08 12:04	38.76	2002-01-16 13:42	180.56	141.8	1.96E-10	1.17E-05
Upper 20	2	2.678	-1.8625	2002-01-08 12:04	40.69	2002-01-16 13:42	277.36	236.67	3.32E-10	1.99E-05
Upper 20	3	2.678	-2.2375	2002-01-08 12:04	38.02	2002-01-16 13:42	245.67	207.65	2.90E-10	1.74E-05
Upper 20	4	2.678	-2.6125	2002-01-08 12:04	40.5	2002-01-16 13:42	254.99	214.49	3.00E-10	1.80E-05
Upper 20	5	2.678	-2.9875	2002-01-08 12:04	38.28	2002-01-16 13:42	265.51	227.23	3.18E-10	1.91E-05
Upper 20	6	2.678	-3.3625	2002-01-08 12:04	38.8	2002-01-16 13:42	319.82	281.02	3.95E-10	2.37E-05
Upper 20	7	2.678	-3.7375	2002-01-08 12:04	38.83	2002-01-16 13:42	368.9	330.07	4.66E-10	2.80E-05
Upper 20	8	2.678	-4.1125	2002-01-08 12:04	38.43	2002-01-16 13:42	322.3	283.87	4.00E-10	2.40E-05
Upper 21	1	2.819	-1.4875	2002-01-08 12:07	37.91	2002-01-16 13:44	119.13	81.22	1.09E-10	6.53E-06
Upper 21	2	2.819	-1.8625	2002-01-08 12:07	39.63	2002-01-16 13:44	119.6	79.97	1.07E-10	6.42E-06
Upper 21	3	2.819	-2.2375	2002-01-08 12:07	42.57	2002-01-16 13:44	134.5	91.93	1.24E-10	7.45E-06
Upper 21	4	2.819	-2.6125	2002-01-08 12:07	41.24	2002-01-16 13:44	143.43	102.19	1.39E-10	8.34E-06
Upper 21	5	2.819	-2.9875	2002-01-08 12:07	40.65	2002-01-16 13:44	136.79	96.14	1.30E-10	7.82E-06
Upper 21	6	2.819	-3.3625	2002-01-08 12:07	40.73	2002-01-16 13:44	150.09	109.36	1.49E-10	8.95E-06
Upper 21	7	2.819	-3.7375	2002-01-08 12:07	40.18	2002-01-16 13:44	138.58	98.4	1.34E-10	8.01E-06
Upper 21	8	2.819	-4.1125	2002-01-08 12:07	39.09	2002-01-16 13:44	203	163.91	2.27E-10	1.36E-05
Upper 22	1	2.960	-1.4875	2002-01-08 12:10	39.79	2002-01-16 13:46	119.48	79.69	1.07E-10	6.40E-06
Upper 22	2	2.960	-1.8625	2002-01-08 12:10	39.73	2002-01-16 13:46	103.14	63.41	8.33E-11	5.00E-06
Upper 22	3	2.960	-2.2375	2002-01-08 12:10	39.55	2002-01-16 13:46	97.83	58.28	7.60E-11	4.56E-06
Upper 22	4	2.960	-2.6125	2002-01-08 12:10	38.83	2002-01-16 13:46	127.24	88.41	1.19E-10	7.15E-06
Upper 22	5	2.960	-2.9875	2002-01-08 12:10	41.87	2002-01-16 13:46	149.6	107.73	1.47E-10	8.81E-06
Upper 22	6	2.960	-3.3625	2002-01-08 12:10	38.77	2002-01-16 13:46	138.6	99.83	1.36E-10	8.13E-06
Upper 22	7	2.960	-3.7375	2002-01-08 12:10	40	2002-01-16 13:46	138.28	98.28	1.33E-10	8.00E-06
Upper 22	8	2.960	-4.1125	2002-01-08 12:10	39.66	2002-01-16 13:46	239.82	200.16	2.80E-10	1.68E-05
Upper 23	1	3.101	-1.4875	2002-01-08 12:13	40.54	2002-01-16 13:48	191.7	151.16	2.09E-10	1.26E-05
Upper 23	2	3.101	-1.8625	2002-01-08 12:13	38.83	2002-01-16 13:48	227.96	189.13	2.64E-10	1.58E-05
Upper 23	3	3.101	-2.2375	2002-01-08 12:13	39.9	2002-01-16 13:48	261.13	221.23	3.10E-10	1.86E-05
Upper 23	4	3.101	-2.6125	2002-01-08 12:13	38.29	2002-01-16 13:48	250.49	212.2	2.97E-10	1.78E-05
Upper 23	5	3.101	-2.9875	2002-01-08 12:13	37.72	2002-01-16 13:48	261.43	223.71	3.13E-10	1.88E-05
Upper 23	6	3.101	-3.3625	2002-01-08 12:13	40.56	2002-01-16 13:48	278.62	238.06	3.34E-10	2.00E-05
Upper 23	7	3.101	-3.7375	2002-01-08 12:13	40.2	2002-01-16 13:48	345.2	305	4.30E-10	2.58E-05
Upper 23	8	3.101	-4.1125	2002-01-08 12:13	38.58	2002-01-16 13:48	329.18	290.6	4.09E-10	2.46E-05
Upper 24	1	3.242	-1.4875	2002-01-08 12:15	37.93	2002-01-16 13:50	233.21	195.28	2.73E-10	1.64E-05
Upper 24	2	3.242	-1.8625	2002-01-08 12:15	40.32	2002-01-16 13:50	230.93	190.61	2.66E-10	1.60E-05
Upper 24	3	3.242	-2.2375	2002-01-08 12:15	39.58	2002-01-16 13:50	166.88	127.3	1.75E-10	1.05E-05
Upper 24	4	3.242	-2.6125	2002-01-08 12:15	40.56	2002-01-16 13:50	54.67	14.11	1.26E-11	7.55E-07
Upper 24	5	3.242	-2.9875	2002-01-08 12:15	37.7	2002-01-16 13:50	47.37	9.67	6.21E-12	3.73E-07
Upper 24	6	3.242	-3.3625	2002-01-08 12:15	38.56	2002-01-16 13:50	158.46	119.9	1.64E-10	9.86E-06
Upper 24	7	3.242	-3.7375	2002-01-08 12:15	39.12	2002-01-16 13:50	43.68	4.56	-1.12E-12	-6.72E-08

Plank	Diaper	O_length (m)	Depth (m)	Date_start	Weight_start (g)	Date_end	Weight_end (g)	Weight_diff (g)	Q_corrected (m^3/s)	Q_corrected (l/min)
Upper 25	1	3.383	-1.4875	2002-01-08 12:20	37.41	2002-01-16 13:50	102.11	64.7	8.52E-11	5.11E-06
Upper 25	2	3.383	-1.8625	2002-01-08 12:20	37.76	2002-01-16 13:50	45.18	7.42	2.99E-12	1.79E-07
Upper 25	3	3.383	-2.2375	2002-01-08 12:20	38.4	2002-01-16 13:50	44.28	5.88	7.75E-13	4.65E-08
Upper 25	4	3.383	-2.6125	2002-01-08 12:20	39.4	2002-01-16 13:50	44.29	4.89	-6.46E-13	-3.88E-08
Upper 25	5	3.383	-2.9875	2002-01-08 12:20	38.5	2002-01-16 13:50	43.97	5.47	1.87E-13	1.12E-08
Upper 25	6	3.383	-3.3625	2002-01-08 12:20	40.4	2002-01-16 13:50	44.83	4.43	-1.31E-12	-7.84E-08
Upper 25	7	3.383	-3.7375	2002-01-08 12:20	40	2002-01-16 13:50	45.72	5.72	5.46E-13	3.27E-08
Upper 25	8	3.383	-4.1125	2002-01-08 12:20	38.25	2002-01-16 13:50	43.12	4.87	-6.75E-13	-4.05E-08
Upper 26	1	3.524	-1.4875	2002-01-08 13:40	40.1	2002-01-16 13:55	247.66	207.56	2.92E-10	1.75E-05
Upper 26	2	3.524	-1.8625	2002-01-08 13:40	37.57	2002-01-16 13:55	235.87	198.3	2.79E-10	1.67E-05
Upper 26	3	3.524	-2.2375	2002-01-08 13:40	37.8	2002-01-16 13:55	86.9	49.1	6.32E-11	3.79E-06
Upper 26	4	3.524	-2.6125	2002-01-08 13:40	38.56	2002-01-16 13:55	45.8	7.24	2.75E-12	1.65E-07
Upper 26	5	3.524	-2.9875	2002-01-08 13:40	40.39	2002-01-16 13:55	44.84	4.45	-1.29E-12	-7.72E-08
Upper 26	6	3.524	-3.3625	2002-01-08 13:40	37.8	2002-01-16 13:55	41.97	4.17	-1.69E-12	-1.01E-07
Upper 26	7	3.524	-3.7375	2002-01-08 13:40	39.08	2002-01-16 13:55	44.52	5.44	1.44E-13	8.67E-09
Upper 26	8	3.524	-4.1125	2002-01-08 13:40	39.86	2002-01-16 13:55	44.76	4.9	-6.36E-13	-3.81E-08
Upper 27	1	3.665	-1.4875	2002-01-08 13:45	40.25	2002-01-16 13:57	193.94	153.69	2.14E-10	1.29E-05
Upper 27	2	3.665	-1.8625	2002-01-08 13:45	38.52	2002-01-16 13:57	136.18	97.66	1.33E-10	8.01E-06
Upper 27	3	3.665	-2.2375	2002-01-08 13:45	38.08	2002-01-16 13:57	65.35	27.27	3.17E-11	1.90E-06
Upper 27	4	3.665	-2.6125	2002-01-08 13:45	39.15	2002-01-16 13:57	43.41	4.26	-1.56E-12	-9.37E-08
Upper 27	5	3.665	-2.9875	2002-01-08 13:45	37.4	2002-01-16 13:57	42.97	5.57	3.32E-13	1.99E-08
Upper 27	6	3.665	-3.3625	2002-01-08 13:45	37.56	2002-01-16 13:57	42	4.44	-1.30E-12	-7.80E-08
Upper 27	7	3.665	-3.7375	2002-01-08 13:45	37.52	2002-01-16 13:57	42.22	4.7	-9.25E-13	-5.55E-08
Upper 27	8	3.665	-4.1125	2002-01-08 13:45	37.16	2002-01-16 13:57	41.98	4.82	-7.52E-13	-4.51E-08
Upper 28	1	3.806	-1.4875	2002-01-08 13:47	38.09	2002-01-16 13:59	53.06	14.97	1.39E-11	8.35E-07
Upper 28	2	3.806	-1.8625	2002-01-08 13:47	38.81	2002-01-16 13:59	44.07	5.26	-1.16E-13	-6.94E-09
Upper 28	3	3.806	-2.2375	2002-01-08 13:47	37.65	2002-01-16 13:59	46.3	8.65	4.78E-12	2.87E-07
Upper 28	4	3.806	-2.6125	2002-01-08 13:47	36.82	2002-01-16 13:59	41.56	4.74	-8.67E-13	-5.20E-08
Upper 28	5	3.806	-2.9875	2002-01-08 13:47	37	2002-01-16 13:59	41.05	4.05	-1.86E-12	-1.12E-07
Upper 28	6	3.806	-3.3625	2002-01-08 13:47	38.33	2002-01-16 13:59	42.58	4.25	-1.58E-12	-9.45E-08
Upper 28	7	3.806	-3.7375	2002-01-08 13:47	36.59	2002-01-16 13:59	41.32	4.73	-8.82E-13	-5.29E-08
Upper 28	8	3.806	-4.1125	2002-01-08 13:47	38.79	2002-01-16 13:59	43.8	5.01	-4.77E-13	-2.86E-08
Upper 29	1	3.947	-1.4875	2002-01-08 13:50	37.86	2002-01-16 14:00	42.93	5.07	-3.90E-13	-2.34E-08
Upper 29	2	3.947	-1.8625	2002-01-08 13:50	38.83	2002-01-16 14:00	39.53	0.7	-6.71E-12	-4.02E-07
Upper 29	3	3.947	-2.2375	2002-01-08 13:50	39.2	2002-01-16 14:00	48.07	8.87	5.10E-12	3.06E-07
Upper 29	4	3.947	-2.6125	2002-01-08 13:50	39.13	2002-01-16 14:00	46.25	7.12	2.57E-12	1.54E-07
Upper 29	5	3.947	-2.9875	2002-01-08 13:50	36.62	2002-01-16 14:00	43.87	7.25	2.76E-12	1.66E-07
Upper 29	6	3.947	-3.3625	2002-01-08 13:50	37.94	2002-01-16 14:00	42.06	4.12	-1.76E-12	-1.06E-07
Upper 29	7	3.947	-3.7375	2002-01-08 13:50	38.9	2002-01-16 14:00	44	5.1	-3.47E-13	-2.08E-08
Upper 29	8	3.947	-4.1125	2002-01-08 13:50	40.47	2002-01-16 14:00	45.15	4.68	-9.54E-13	-5.72E-08
Upper 30	1	4.088	-1.4875	2002-01-08 13:58	38.22	2002-01-16 14:03	44.97	6.75	2.04E-12	1.22E-07
Upper 30	2	4.088	-1.8625	2002-01-08 13:58	39	2002-01-16 14:03	44.68	5.68	4.92E-13	2.95E-08
Upper 30	3	4.088	-2.2375	2002-01-08 13:58	36.98	2002-01-16 14:03	42.15	5.17	-2.46E-13	-1.48E-08
Upper 30	4	4.088	-2.6125	2002-01-08 13:58	38.79	2002-01-16 14:03	111.66	72.87	9.77E-11	5.86E-06
Upper 30	5	4.088	-2.9875	2002-01-08 13:58	39.99	2002-01-16 14:03	46.7	6.71	1.98E-12	1.19E-07
Upper 30	6	4.088	-3.3625	2002-01-08 13:58	40.1	2002-01-16 14:03	45.35	5.25	-1.30E-13	-7.81E-09
Upper 30	7	4.088	-3.7375	2002-01-08 13:58	41.09	2002-01-16 14:03	46.53	5.44	1.45E-13	8.68E-09
Upper 30	8	4.088	-4.1125	2002-01-08 13:58	41.6	2002-01-16 14:03	47.83	6.23	1.29E-12	7.72E-08
Upper 31	1	4.229	-1.4875	2002-01-08 14:00	41.88	2002-01-16 14:07	53.4	11.52	8.94E-12	5.36E-07
Upper 31	2	4.229	-1.8625	2002-01-08 14:00	39.14	2002-01-16 14:07	46.17	7.03	2.44E-12	1.47E-07
Upper 31	3	4.229	-2.2375	2002-01-08 14:00	41.29	2002-01-16 14:07	47.05	5.76	6.07E-13	3.64E-08
Upper 31	4	4.229	-2.6125	2002-01-08 14:00	40.47	2002-01-16 14:07	95.5	55.03	7.18E-11	4.31E-06
Upper 31	5	4.229	-2.9875	2002-01-08 14:00	40.96	2002-01-16 14:07	70.52	29.56	3.50E-11	2.10E-06
Upper 31	6	4.229	-3.3625	2002-01-08 14:00	41.93	2002-01-16 14:07	47.46	5.53	2.75E-13	1.65E-08
Upper 31	7	4.229	-3.7375	2002-01-08 14:00	41.23	2002-01-16 14:07	46.94	5.71	5.35E-13	3.21E-08
Upper 31	8	4.229	-4.1125	2002-01-08 14:00	40.21	2002-01-16 14:07	45.96	5.75	5.93E-13	3.56E-08
Upper 32	1	4.370	-1.4875	2002-01-08 14:02	39.79	2002-01-16 14:07	239.07	199.28	2.80E-10	1.68E-05
Upper 32	2	4.370	-1.8625	2002-01-08 14:02	38.08	2002-01-16 14:07	92.3	54.22	7.07E-11	4.24E-06
Upper 32	3	4.370	-2.2375	2002-01-08 14:02	39.33	2002-01-16 14:07	63.15	23.82	2.67E-11	1.60E-06
Upper 32	4	4.370	-2.6125	2002-01-08 14:02	39.88	2002-01-16 14:07	47.49	7.61	3.28E-12	1.97E-07
Upper 32	5	4.370	-2.9875	2002-01-08 14:02	39.67	2002-01-16 14:07	105.31	65.64	8.72E-11	5.23E-06
Upper 32	6	4.370	-3.3625	2002-01-08 14:02	42.37	2002-01-16 14:07	47.54	5.17	-2.46E-13	-1.48E-08
Upper 32	7	4.370	-3.7375	2002-01-08 14:02	40.46	2002-01-16 14:07	45.84	5.38	5.78E-14	3.47E-09
Upper 32	8	4.370	-4.1125	2002-01-08 14:02	42.22	2002-01-16 14:07	48.73	6.51	1.69E-12	1.02E-07

Plank	Diaper	O_length (m)	Depth (m)	Date_start	Weight_start (g)	Date_end	Weight_end (g)	Weight_diff (g)	Q_corrected (m^3/s)	Q_corrected (l/min)
Upper 33	1	4.511	-1.4875	2002-01-08 14:04	40.48	2002-01-16 14:10	264.3	223.82	3.16E-10	1.90E-05
Upper 33	2	4.511	-1.8625	2002-01-08 14:04	40.32	2002-01-16 14:10	346.86	306.54	4.36E-10	2.61E-05
Upper 33	3	4.511	-2.2375	2002-01-08 14:04	37.5	2002-01-16 14:10	233.54	196.04	2.76E-10	1.65E-05
Upper 33	4	4.511	-2.6125	2002-01-08 14:04	38.99	2002-01-16 14:10	222.75	183.76	2.58E-10	1.55E-05
Upper 33	5	4.511	-2.9875	2002-01-08 14:04	38.1	2002-01-16 14:10	227.84	189.74	2.67E-10	1.60E-05
Upper 33	6	4.511	-3.3625	2002-01-08 14:04	39.54	2002-01-16 14:10	60.84	21.3	2.31E-11	1.38E-06
Upper 33	7	4.511	-3.7375	2002-01-08 14:04	38.75	2002-01-16 14:10	44.92	6.17	1.20E-12	7.20E-08
Upper 33	8	4.511	-4.1125	2002-01-08 14:04	40.06	2002-01-16 14:10	79.68	39.62	4.96E-11	2.97E-06
Upper 34	1	4.652	-1.4875	2002-01-08 14:05	38.77	2002-01-16 14:12	271.13	232.36	3.28E-10	1.97E-05
Upper 34	2	4.652	-1.8625	2002-01-08 14:05	41.25	2002-01-16 14:12	330.71	289.46	4.11E-10	2.46E-05
Upper 34	3	4.652	-2.2375	2002-01-08 14:05	39.8	2002-01-16 14:12	309.23	269.43	3.82E-10	2.29E-05
Upper 34	4	4.652	-2.6125	2002-01-08 14:05	40.07	2002-01-16 14:12	281.12	241.05	3.41E-10	2.04E-05
Upper 34	5	4.652	-2.9875	2002-01-08 14:05	37.19	2002-01-16 14:12	273.06	235.87	3.33E-10	2.00E-05
Upper 34	6	4.652	-3.3625	2002-01-08 14:05	40.9	2002-01-16 14:12	209.21	168.31	2.36E-10	1.41E-05
Upper 34	7	4.652	-3.7375	2002-01-08 14:05	43.66	2002-01-16 14:12	202.67	159.01	2.22E-10	1.33E-05
Upper 34	8	4.652	-4.1125	2002-01-08 14:05	39.95	2002-01-16 14:12	82.47	42.52	5.38E-11	3.23E-06
Upper 35	1	4.793	-1.4875	2002-01-08 14:08	41.19	2002-01-16 14:15	264.65	223.46	3.15E-10	1.89E-05
Upper 35	2	4.793	-1.8625	2002-01-08 14:08	40.39	2002-01-16 14:15	357.27	316.88	4.50E-10	2.70E-05
Upper 35	3	4.793	-2.2375	2002-01-08 14:08	45.1	2002-01-16 14:15	385.67	340.57	4.85E-10	2.91E-05
Upper 35	4	4.793	-2.6125	2002-01-08 14:08	40.28	2002-01-16 14:15	205.06	164.78	2.31E-10	1.38E-05
Upper 35	5	4.793	-2.9875	2002-01-08 14:08	44.52	2002-01-16 14:15	315.54	271.02	3.84E-10	2.30E-05
Upper 35	6	4.793	-3.3625	2002-01-08 14:08	38.47	2002-01-16 14:15	251.11	212.64	3.00E-10	1.80E-05
Upper 35	7	4.793	-3.7375	2002-01-08 14:08	38.94	2002-01-16 14:15	292.02	253.08	3.58E-10	2.15E-05
Upper 35	8	4.793	-4.1125	2002-01-08 14:08	40	2002-01-16 14:15	298.12	258.12	3.65E-10	2.19E-05
Upper 36	1	4.934	-1.4875	2002-01-08 14:11	39.97	2002-01-16 14:17	279.31	239.34	3.38E-10	2.03E-05
Upper 36	2	4.934	-1.8625	2002-01-08 14:11	40.25	2002-01-16 14:17	162.3	122.05	1.69E-10	1.01E-05
Upper 36	3	4.934	-2.2375	2002-01-08 14:11	40	2002-01-16 14:17	52.49	12.49	1.03E-11	6.20E-07
Upper 36	4	4.934	-2.6125	2002-01-08 14:11	39.53	2002-01-16 14:17	45.3	5.77	6.22E-13	3.73E-08
Upper 36	5	4.934	-2.9875	2002-01-08 14:11	40.03	2002-01-16 14:17	53.38	13.35	1.16E-11	6.95E-07
Upper 36	6	4.934	-3.3625	2002-01-08 14:11	39.81	2002-01-16 14:17	234.7	194.89	2.74E-10	1.64E-05
Upper 36	7	4.934	-3.7375	2002-01-08 14:11	38.22	2002-01-16 14:17	229.7	191.48	2.69E-10	1.61E-05
Upper 36	8	4.934	-4.1125	2002-01-08 14:11	38.49	2002-01-16 14:17	51.38	12.89	1.09E-11	6.55E-07
Upper 37	1	5.075	-1.4875	2002-01-08 14:15	39.43	2002-01-16 14:20	54.31	14.88	1.38E-11	8.28E-07
Upper 37	2	5.075	-1.8625	2002-01-08 14:15	39.7	2002-01-16 14:20	44.36	4.66	-9.83E-13	-5.90E-08
Upper 37	3	5.075	-2.2375	2002-01-08 14:15	39.98	2002-01-16 14:20	44.67	4.69	-9.40E-13	-5.64E-08
Upper 37	4	5.075	-2.6125	2002-01-08 14:15	39.74	2002-01-16 14:20	44.34	4.6	-1.07E-12	-6.42E-08
Upper 37	5	5.075	-2.9875	2002-01-08 14:15	36.77	2002-01-16 14:20	41.96	5.19	-2.17E-13	-1.30E-08
Upper 37	6	5.075	-3.3625	2002-01-08 14:15	37.9	2002-01-16 14:20	46.3	8.4	4.43E-12	2.66E-07
Upper 37	7	5.075	-3.7375	2002-01-08 14:15	39.6	2002-01-16 14:20	43.78	4.18	-1.68E-12	-1.01E-07
Upper 37	8	5.075	-4.1125	2002-01-08 14:15	38.13	2002-01-16 14:20	43.28	5.15	-2.75E-13	-1.65E-08
Upper 38	1	5.216	-1.4875	2002-01-08 14:17	41.48	2002-01-16 14:22	46.29	4.81	-7.66E-13	-4.60E-08
Upper 38	2	5.216	-1.8625	2002-01-08 14:17	39.73	2002-01-16 14:22	43.97	4.24	-1.59E-12	-9.54E-08
Upper 38	3	5.216	-2.2375	2002-01-08 14:17	40.57	2002-01-16 14:22	44.57	4	-1.94E-12	-1.16E-07
Upper 38	4	5.216	-2.6125	2002-01-08 14:17	39.42	2002-01-16 14:22	43.94	4.52	-1.19E-12	-7.11E-08
Upper 38	5	5.216	-2.9875	2002-01-08 14:17	40.88	2002-01-16 14:22	45.75	4.87	-6.80E-13	-4.08E-08
Upper 38	6	5.216	-3.3625	2002-01-08 14:17	41.46	2002-01-16 14:22	46.71	5.25	-1.30E-13	-7.81E-09
Upper 38	7	5.216	-3.7375	2002-01-08 14:17	40.84	2002-01-16 14:22	45.53	4.69	-9.40E-13	-5.64E-08
Upper 38	8	5.216	-4.1125	2002-01-08 14:17	40.15	2002-01-16 14:22	44.9	4.75	-8.53E-13	-5.12E-08
Upper 39	1	5.357	-1.4875	2002-01-08 14:21	39.7	2002-01-16 14:25	43.43	3.73	-2.33E-12	-1.40E-07
Upper 39	2	5.357	-1.8625	2002-01-08 14:21	39.63	2002-01-16 14:25	43.62	3.99	-1.95E-12	-1.17E-07
Upper 39	3	5.357	-2.2375	2002-01-08 14:21	39.49	2002-01-16 14:25	43.44	3.95	-2.01E-12	-1.21E-07
Upper 39	4	5.357	-2.6125	2002-01-08 14:21	40.22	2002-01-16 14:25	44.39	4.17	-1.69E-12	-1.02E-07
Upper 39	5	5.357	-2.9875	2002-01-08 14:21	38.7	2002-01-16 14:25	43.04	4.34	-1.45E-12	-8.68E-08
Upper 39	6	5.357	-3.3625	2002-01-08 14:21	39.37	2002-01-16 14:25	44.58	5.21	-1.88E-13	-1.13E-08
Upper 39	7	5.357	-3.7375	2002-01-08 14:21	39	2002-01-16 14:25	43.8	4.8	-7.81E-13	-4.69E-08
Upper 39	8	5.357	-4.1125	2002-01-08 14:21	38.44	2002-01-16 14:25	42.83	4.39	-1.37E-12	-8.24E-08

Plank	Diaper	O_length (m)	Depth (m)	Date_start	Weight_start (g)	Date_end	Weight_end (g)	Weight_diff (g)	Q_corrected (m^3/s)	Q_corrected (l/min)
Lower 01	1	0.000	-4.7875	2002-01-07 13:55	39.9	2002-01-16 08:24	46.39	6.49	1.52E-12	9.11E-08
Lower 01	2	0.000	-5.1625	2002-01-07 13:55	38.58	2002-01-16 08:24	40.82	2.24	-4.09E-12	-2.45E-07
Lower 01	3	0.000	-5.5375	2002-01-07 13:55	37.92	2002-01-16 08:24	44.04	6.12	1.03E-12	6.18E-08
Lower 01	4	0.000	-5.9125	2002-01-07 13:55	37.46	2002-01-16 08:24	80.46	43	4.97E-11	2.98E-06
Lower 01	5	0.000	-6.2875	2002-01-07 13:55	38.42	2002-01-16 08:24	48.05	9.63	5.66E-12	3.40E-07
Lower 01	6	0.000	-6.6625	2002-01-07 13:55	38.06	2002-01-16 08:24	54.36	16.3	1.45E-11	8.68E-07
Lower 01	7	0.000	-7.0375	2002-01-07 13:55	39.36	2002-01-16 08:24	51.18	11.82	8.55E-12	5.13E-07
Lower 01	8	0.000	-7.4125	2002-01-07 13:55	38.1	2002-01-16 08:24	47.03	8.93	4.74E-12	2.84E-07
Lower 02	1	0.141	-4.7875	2002-01-07 14:10	38.15	2002-01-16 08:26	46.4	8.25	3.84E-12	2.31E-07
Lower 02	2	0.141	-5.1625	2002-01-07 14:10	37.95	2002-01-16 08:26	44.53	6.58	1.64E-12	9.83E-08
Lower 02	3	0.141	-5.5375	2002-01-07 14:10	39.78	2002-01-16 08:26	46.94	7.16	2.40E-12	1.44E-07
Lower 02	4	0.141	-5.9125	2002-01-07 14:10	38.49	2002-01-16 08:26	79.54	41.05	4.72E-11	2.83E-06
Lower 02	5	0.141	-6.2875	2002-01-07 14:10	38.19	2002-01-16 08:26	47.46	9.27	5.19E-12	3.12E-07
Lower 02	6	0.141	-6.6625	2002-01-07 14:10	37.31	2002-01-16 08:26	87.71	50.4	5.95E-11	3.57E-06
Lower 02	7	0.141	-7.0375	2002-01-07 14:10	39.18	2002-01-16 08:26	45.88	6.7	1.80E-12	1.08E-07
Lower 02	8	0.141	-7.4125	2002-01-07 14:10	37.38	2002-01-16 08:26	42.97	5.59	3.30E-13	1.98E-08
Lower 03	1	0.282	-4.7875	2002-01-07 14:30	38.7	2002-01-16 08:30	49.04	10.34	6.61E-12	3.97E-07
Lower 03	2	0.282	-5.1625	2002-01-07 14:30	38.16	2002-01-16 08:30	44.93	6.77	1.89E-12	1.13E-07
Lower 03	3	0.282	-5.5375	2002-01-07 14:30	39.22	2002-01-16 08:30	46.64	7.42	2.75E-12	1.65E-07
Lower 03	4	0.282	-5.9125	2002-01-07 14:30	38.56	2002-01-16 08:30	94.26	55.7	6.66E-11	4.00E-06
Lower 03	5	0.282	-6.2875	2002-01-07 14:30	38.71	2002-01-16 08:30	87.57	48.86	5.76E-11	3.45E-06
Lower 03	6	0.282	-6.6625	2002-01-07 14:30	39.89	2002-01-16 08:30	81.82	41.93	4.84E-11	2.90E-06
Lower 03	7	0.282	-7.0375	2002-01-07 14:30	37.57	2002-01-16 08:30	43.42	5.85	6.75E-13	4.05E-08
Lower 03	8	0.282	-7.4125	2002-01-07 14:30	36.58	2002-01-16 08:30	40.3	3.72	-2.14E-12	-1.29E-07
Lower 04	1	0.423	-4.7875	2002-01-07 14:35	36.5	2002-01-16 08:37	56.49	19.99	1.94E-11	1.16E-06
Lower 04	2	0.423	-5.1625	2002-01-07 14:35	37.24	2002-01-16 08:37	43.57	6.33	1.31E-12	7.86E-08
Lower 04	3	0.423	-5.5375	2002-01-07 14:35	38.3	2002-01-16 08:37	59.83	21.53	2.14E-11	1.28E-06
Lower 04	4	0.423	-5.9125	2002-01-07 14:35	40.4	2002-01-16 08:37	257.7	217.3	2.80E-10	1.68E-05
Lower 04	5	0.423	-6.2875	2002-01-07 14:35	39.06	2002-01-16 08:37	83.67	44.61	5.19E-11	3.12E-06
Lower 04	6	0.423	-6.6625	2002-01-07 14:35	38.47	2002-01-16 08:37	44.37	5.9	7.41E-13	4.44E-08
Lower 04	7	0.423	-7.0375	2002-01-07 14:35	37.08	2002-01-16 08:37	42.4	5.32	-2.65E-14	-1.59E-09
Lower 04	8	0.423	-7.4125	2002-01-07 14:35	38.92	2002-01-16 08:37	45.76	6.84	1.98E-12	1.19E-07
Lower 05	1	0.564	-4.7875	2002-01-07 14:35	37.72	2002-01-16 08:40	85.89	48.17	5.66E-11	3.40E-06
Lower 05	2	0.564	-5.1625	2002-01-07 14:35	37.8	2002-01-16 08:40	47.93	10.13	6.33E-12	3.80E-07
Lower 05	3	0.564	-5.5375	2002-01-07 14:35	38.76	2002-01-16 08:40	90.66	51.9	6.16E-11	3.69E-06
Lower 05	4	0.564	-5.9125	2002-01-07 14:35	38.57	2002-01-16 08:40	126.18	87.61	1.09E-10	6.53E-06
Lower 05	5	0.564	-6.2875	2002-01-07 14:35	37.69	2002-01-16 08:40	43.73	6.04	9.26E-13	5.55E-08
Lower 05	6	0.564	-6.6625	2002-01-07 14:35	39.76	2002-01-16 08:40	44.78	5.02	-4.23E-13	-2.54E-08
Lower 05	7	0.564	-7.0375	2002-01-07 14:35	38.59	2002-01-16 08:40	44.99	6.4	1.40E-12	8.41E-08
Lower 05	8	0.564	-7.4125	2002-01-07 14:35	38.98	2002-01-16 08:40	47.51	8.53	4.22E-12	2.53E-07
Lower 06	1	0.705	-4.7875	2002-01-07 14:40	37.6	2002-01-16 08:42	53.53	15.93	1.40E-11	8.40E-07
Lower 06	2	0.705	-5.1625	2002-01-07 14:40	39.12	2002-01-16 08:42	62	22.88	2.32E-11	1.39E-06
Lower 06	3	0.705	-5.5375	2002-01-07 14:40	36.7	2002-01-16 08:42	64.75	28.05	3.00E-11	1.80E-06
Lower 06	4	0.705	-5.9125	2002-01-07 14:40	38.12	2002-01-16 08:42	46.05	7.93	3.43E-12	2.06E-07
Lower 06	5	0.705	-6.2875	2002-01-07 14:40	37.88	2002-01-16 08:42	45.68	7.8	3.25E-12	1.95E-07
Lower 06	6	0.705	-6.6625	2002-01-07 14:40	38.74	2002-01-16 08:42	48.52	9.78	5.87E-12	3.52E-07
Lower 06	7	0.705	-7.0375	2002-01-07 14:40	38.7	2002-01-16 08:42	50.2	11.5	8.15E-12	4.89E-07
Lower 06	8	0.705	-7.4125	2002-01-07 14:40	38.05	2002-01-16 08:42	46.4	8.35	3.98E-12	2.39E-07
Lower 07	1	0.846	-4.7875	2002-01-07 14:50	38.45	2002-01-16 08:45	43.84	5.39	6.62E-14	3.97E-09
Lower 07	2	0.846	-5.1625	2002-01-07 14:50	39.28	2002-01-16 08:45	46	6.72	1.83E-12	1.10E-07
Lower 07	3	0.846	-5.5375	2002-01-07 14:50	39.38	2002-01-16 08:45	153.87	114.49	1.44E-10	8.67E-06
Lower 07	4	0.846	-5.9125	2002-01-07 14:50	39.93	2002-01-16 08:45	78.38	38.45	4.38E-11	2.63E-06
Lower 07	5	0.846	-6.2875	2002-01-07 14:50	38.44	2002-01-16 08:45	49.3	10.86	7.30E-12	4.38E-07
Lower 07	6	0.846	-6.6625	2002-01-07 14:50	39.02	2002-01-16 08:45	47.31	8.29	3.90E-12	2.34E-07
Lower 07	7	0.846	-7.0375	2002-01-07 14:50	37.71	2002-01-16 08:45	52.04	14.33	1.19E-11	7.14E-07
Lower 07	8	0.846	-7.4125	2002-01-07 14:50	38.52	2002-01-16 08:45	45.38	6.86	2.01E-12	1.21E-07
Lower 08	1	0.987	-4.7875	2002-01-07 15:00	38.51	2002-01-16 08:50	42.95	4.44	-1.19E-12	-7.15E-08
Lower 08	2	0.987	-5.1625	2002-01-07 15:00	38.35	2002-01-16 08:50	44.96	6.61	1.68E-12	1.01E-07
Lower 08	3	0.987	-5.5375	2002-01-07 15:00	39.29	2002-01-16 08:50	110.46	71.17	8.71E-11	5.23E-06
Lower 08	4	0.987	-5.9125	2002-01-07 15:00	38.98	2002-01-16 08:50	44.42	5.44	1.32E-13	7.94E-09
Lower 08	5	0.987	-6.2875	2002-01-07 15:00	39.36	2002-01-16 08:50	44.13	4.77	-7.55E-13	-4.53E-08
Lower 08	6	0.987	-6.6625	2002-01-07 15:00	37.92	2002-01-16 08:50	42.49	4.57	-1.02E-12	-6.12E-08
Lower 08	7	0.987	-7.0375	2002-01-07 15:00	38.86	2002-01-16 08:50	39.77	0.91	-5.86E-12	-3.52E-07
Lower 08	8	0.987	-7.4125	2002-01-07 15:00	39.05	2002-01-16 08:50	47.13	8.08	3.63E-12	2.18E-07

Plank	Diaper	O_length (m)	Depth (m)	Date_start	Weight_start (g)	Date_end	Weight_end (g)	Weight_diff (g)	Q_corrected (m^3/s)	Q_corrected (l/min)
Lower 09	1	1.128	-4.7875	2002-01-07 15:10	36.71	2002-01-16 08:55	41.02	4.31	-1.36E-12	-8.18E-08
Lower 09	2	1.128	-5.1625	2002-01-07 15:10	37.4	2002-01-16 08:55	42.94	5.54	2.65E-13	1.59E-08
Lower 09	3	1.128	-5.5375	2002-01-07 15:10	38.63	2002-01-16 08:55	50.07	11.44	8.08E-12	4.85E-07
Lower 09	4	1.128	-5.9125	2002-01-07 15:10	38.51	2002-01-16 08:55	44.46	5.95	8.08E-13	4.85E-08
Lower 09	5	1.128	-6.2875	2002-01-07 15:10	39.09	2002-01-16 08:55	44.47	5.38	5.30E-14	3.18E-09
Lower 09	6	1.128	-6.6625	2002-01-07 15:10	39.13	2002-01-16 08:55	47.25	8.12	3.68E-12	2.21E-07
Lower 09	7	1.128	-7.0375	2002-01-07 15:10	38.62	2002-01-16 08:55	44.32	5.7	4.77E-13	2.86E-08
Lower 09	8	1.128	-7.4125	2002-01-07 15:10	38.68	2002-01-16 08:55	44.23	5.55	2.78E-13	1.67E-08
Lower 10	1	1.269	-4.7875	2002-01-07 15:10	37.9	2002-01-16 08:57	43.23	5.33	-1.32E-14	-7.94E-10
Lower 10	2	1.269	-5.1625	2002-01-07 15:10	36.99	2002-01-16 08:57	42.95	5.96	8.21E-13	4.93E-08
Lower 10	3	1.269	-5.5375	2002-01-07 15:10	37.58	2002-01-16 08:57	43.97	6.39	1.39E-12	8.34E-08
Lower 10	4	1.269	-5.9125	2002-01-07 15:10	37.6	2002-01-16 08:57	49.24	11.64	8.34E-12	5.01E-07
Lower 10	5	1.269	-6.2875	2002-01-07 15:10	40.62	2002-01-16 08:57	48.96	8.34	3.97E-12	2.38E-07
Lower 10	6	1.269	-6.6625	2002-01-07 15:10	39.76	2002-01-16 08:57	48.91	9.15	5.04E-12	3.03E-07
Lower 10	7	1.269	-7.0375	2002-01-07 15:10	39.7	2002-01-16 08:57	45.53	5.83	6.49E-13	3.89E-08
Lower 10	8	1.269	-7.4125	2002-01-07 15:10	40.63	2002-01-16 08:57	47.2	6.57	1.63E-12	9.77E-08
Lower 11	1	1.410	-4.7875	2002-01-07 15:15	38.91	2002-01-16 09:50	67.09	28.18	3.01E-11	1.81E-06
Lower 11	2	1.410	-5.1625	2002-01-07 15:15	37.93	2002-01-16 09:50	119.65	81.72	1.01E-10	6.05E-06
Lower 11	3	1.410	-5.5375	2002-01-07 15:15	41.73	2002-01-16 09:50	59.84	18.11	1.68E-11	1.01E-06
Lower 11	4	1.410	-5.9125	2002-01-07 15:15	40.49	2002-01-16 09:50	52.25	11.76	8.47E-12	5.08E-07
Lower 11	5	1.410	-6.2875	2002-01-07 15:15	40.65	2002-01-16 09:50	57.05	16.4	1.46E-11	8.75E-07
Lower 11	6	1.410	-6.6625	2002-01-07 15:15	38.27	2002-01-16 09:50	49.41	11.14	7.65E-12	4.59E-07
Lower 11	7	1.410	-7.0375	2002-01-07 15:15	39.58	2002-01-16 09:50	48.25	8.67	4.39E-12	2.64E-07
Lower 11	8	1.410	-7.4125	2002-01-07 15:15	36.98	2002-01-16 09:50	46.35	9.37	5.32E-12	3.19E-07
Lower 12	1	1.551	-4.7875	2002-01-07 15:15	38.15	2002-01-16 10:09	269.74	231.59	2.98E-10	1.79E-05
Lower 12	2	1.551	-5.1625	2002-01-07 15:15	38.73	2002-01-16 10:09	177.15	138.42	1.75E-10	1.05E-05
Lower 12	3	1.551	-5.5375	2002-01-07 15:15	36.92	2002-01-16 10:09	166.7	129.78	1.64E-10	9.83E-06
Lower 12	4	1.551	-5.9125	2002-01-07 15:15	38.55	2002-01-16 10:09	177.23	138.68	1.76E-10	1.05E-05
Lower 12	5	1.551	-6.2875	2002-01-07 15:15	37.82	2002-01-16 10:09	268.67	230.85	2.97E-10	1.78E-05
Lower 12	6	1.551	-6.6625	2002-01-07 15:15	37.96	2002-01-16 10:09	190.22	152.26	1.94E-10	1.16E-05
Lower 12	7	1.551	-7.0375	2002-01-07 15:15	36.83	2002-01-16 10:09	228.7	191.87	2.46E-10	1.47E-05
Lower 12	8	1.551	-7.4125	2002-01-07 15:15	38.66	2002-01-16 10:09	267.02	228.36	2.94E-10	1.76E-05
Lower 13	1	1.692	-4.7875	2002-01-07 14:20	37.76	2002-01-16 11:30	45.36	7.6	2.95E-12	1.77E-07
Lower 13	2	1.692	-5.1625	2002-01-07 14:20	37.83	2002-01-16 11:30	43.7	5.87	6.91E-13	4.14E-08
Lower 13	3	1.692	-5.5375	2002-01-07 14:20	37.93	2002-01-16 11:30	58.37	20.44	1.97E-11	1.18E-06
Lower 13	4	1.692	-5.9125	2002-01-07 14:20	38.76	2002-01-16 11:30	45.3	6.54	1.56E-12	9.38E-08
Lower 13	5	1.692	-6.2875	2002-01-07 14:20	38.87	2002-01-16 11:30	45.83	6.96	2.11E-12	1.27E-07
Lower 13	6	1.692	-6.6625	2002-01-07 14:20	39.36	2002-01-16 11:30	47.78	8.42	4.01E-12	2.41E-07
Lower 13	7	1.692	-7.0375	2002-01-07 14:20	38.28	2002-01-16 11:30	45.71	7.43	2.72E-12	1.63E-07
Lower 13	8	1.692	-7.4125	2002-01-07 14:20	39.65	2002-01-16 11:30	49.21	9.56	5.50E-12	3.30E-07
Lower 14	1	1.833	-4.7875	2002-01-07 14:20	39.66	2002-01-16 11:17	45.06	5.4	7.83E-14	4.70E-09
Lower 14	2	1.833	-5.1625	2002-01-07 14:20	37.97	2002-01-16 11:17	44.06	6.09	9.78E-13	5.87E-08
Lower 14	3	1.833	-5.5375	2002-01-07 14:20	38.29	2002-01-16 11:17	47.11	8.82	4.54E-12	2.72E-07
Lower 14	4	1.833	-5.9125	2002-01-07 14:20	37.56	2002-01-16 11:17	48.3	10.74	7.04E-12	4.23E-07
Lower 14	5	1.833	-6.2875	2002-01-07 14:20	38.28	2002-01-16 11:17	45.35	7.07	2.26E-12	1.35E-07
Lower 14	6	1.833	-6.6625	2002-01-07 14:20	38.1	2002-01-16 11:17	44.65	6.55	1.58E-12	9.47E-08
Lower 14	7	1.833	-7.0375	2002-01-07 14:20	38.15	2002-01-16 11:17	46.69	8.54	4.17E-12	2.50E-07
Lower 14	8	1.833	-7.4125	2002-01-07 14:20	38.54	2002-01-16 11:17	47.08	8.54	4.17E-12	2.50E-07
Lower 15	1	1.974	-4.7875	2002-01-07 14:25	39.42	2002-01-16 10:50	255.34	215.92	2.75E-10	1.65E-05
Lower 15	2	1.974	-5.1625	2002-01-07 14:25	39.32	2002-01-16 10:50	258.24	218.92	2.79E-10	1.68E-05
Lower 15	3	1.974	-5.5375	2002-01-07 14:25	38.48	2002-01-16 10:50	237.36	198.88	2.53E-10	1.52E-05
Lower 15	4	1.974	-5.9125	2002-01-07 14:25	38.79	2002-01-16 10:50	219.34	180.55	2.29E-10	1.37E-05
Lower 15	5	1.974	-6.2875	2002-01-07 14:25	38.59	2002-01-16 10:50	146.24	107.65	1.34E-10	8.03E-06
Lower 15	6	1.974	-6.6625	2002-01-07 14:25	37.67	2002-01-16 10:50	176.52	138.85	1.75E-10	1.05E-05
Lower 15	7	1.974	-7.0375	2002-01-07 14:25	40.32	2002-01-16 10:50	243.88	203.56	2.59E-10	1.56E-05
Lower 15	8	1.974	-7.4125	2002-01-07 14:25	38.36	2002-01-16 10:50	248.46	210.1	2.68E-10	1.61E-05
Lower 16	1	2.115	-4.7875	2002-01-07 14:25	36.95	2002-01-16 10:47	235.46	198.51	2.53E-10	1.52E-05
Lower 16	2	2.115	-5.1625	2002-01-07 14:25	38.13	2002-01-16 10:47	247.24	209.11	2.67E-10	1.60E-05
Lower 16	3	2.115	-5.5375	2002-01-07 14:25	39.57	2002-01-16 10:47	232.32	192.75	2.45E-10	1.47E-05
Lower 16	4	2.115	-5.9125	2002-01-07 14:25	36.7	2002-01-16 10:47	78.92	42.22	4.82E-11	2.89E-06
Lower 16	5	2.115	-6.2875	2002-01-07 14:25	39.52	2002-01-16 10:47	50.88	11.36	7.87E-12	4.72E-07
Lower 16	6	2.115	-6.6625	2002-01-07 14:25	36.86	2002-01-16 10:47	43.59	6.73	1.82E-12	1.09E-07
Lower 16	7	2.115	-7.0375	2002-01-07 14:25	38.46	2002-01-16 10:47	44.8	6.34	1.31E-12	7.85E-08
Lower 16	8	2.115	-7.4125	2002-01-07 14:25	36.26	2002-01-16 10:47	127.32	91.06	1.12E-10	6.73E-06

Plank	Diaper	O_length (m)	Depth (m)	Date_start	Weight_start (g)	Date_end	Weight_end (g)	Weight_diff (g)	Q_corrected (m^3/s)	Q_corrected (l/min)
Lower 17	1	2.256	-4.7875	2002-01-08 07:25	42.24	2002-01-16 11:15	46.77	4.53	-1.15E-12	-6.89E-08
Lower 17	2	2.256	-5.1625	2002-01-08 07:25	42.06	2002-01-16 11:15	51.04	8.98	5.16E-12	3.10E-07
Lower 17	3	2.256	-5.5375	2002-01-08 07:25	40.68	2002-01-16 11:15	46.98	6.3	1.36E-12	8.17E-08
Lower 17	4	2.256	-5.9125	2002-01-08 07:25	39.03	2002-01-16 11:15	44.21	5.18	-2.27E-13	-1.36E-08
Lower 17	5	2.256	-6.2875	2002-01-08 07:25	39.69	2002-01-16 11:15	45.44	5.75	5.82E-13	3.49E-08
Lower 17	6	2.256	-6.6625	2002-01-08 07:25	41.48	2002-01-16 11:15	47.9	6.42	1.53E-12	9.19E-08
Lower 17	7	2.256	-7.0375	2002-01-08 07:25	41.15	2002-01-16 11:15	45.97	4.82	-7.38E-13	-4.43E-08
Lower 17	8	2.256	-7.4125	2002-01-08 07:25	40.83	2002-01-16 11:15	46.74	5.91	8.09E-13	4.85E-08
Lower 18	1	2.396	-4.7875	2002-01-08 07:30	40.05	2002-01-16 11:25	43.75	3.7	-2.33E-12	-1.40E-07
Lower 18	2	2.396	-5.1625	2002-01-08 07:30	41	2002-01-16 11:25	47.01	6.01	9.50E-13	5.70E-08
Lower 18	3	2.396	-5.5375	2002-01-08 07:30	40.87	2002-01-16 11:25	47.26	6.39	1.49E-12	8.93E-08
Lower 18	4	2.396	-5.9125	2002-01-08 07:30	38.75	2002-01-16 11:25	43.44	4.69	-9.22E-13	-5.53E-08
Lower 18	5	2.396	-6.2875	2002-01-08 07:30	41.76	2002-01-16 11:25	48.22	6.46	1.59E-12	9.53E-08
Lower 18	6	2.396	-6.6625	2002-01-08 07:30	40.19	2002-01-16 11:25	45.48	5.29	-7.09E-14	-4.25E-09
Lower 18	7	2.396	-7.0375	2002-01-08 07:30	41.74	2002-01-16 11:25	46.37	4.63	-1.01E-12	-6.04E-08
Lower 18	8	2.396	-7.4125	2002-01-08 07:30	40.39	2002-01-16 11:25	46.27	5.88	7.66E-13	4.59E-08
Lower 19	1	2.537	-4.7875	2002-01-08 07:30	39.85	2002-01-16 10:06	44.43	4.58	-1.08E-12	-6.51E-08
Lower 19	2	2.537	-5.1625	2002-01-08 07:30	38.3	2002-01-16 10:06	42.57	4.27	-1.53E-12	-9.16E-08
Lower 19	3	2.537	-5.5375	2002-01-08 07:30	37.28	2002-01-16 10:06	40.47	3.19	-3.07E-12	-1.84E-07
Lower 19	4	2.537	-5.9125	2002-01-08 07:30	41.5	2002-01-16 10:06	43.26	1.76	-5.11E-12	-3.07E-07
Lower 19	5	2.537	-6.2875	2002-01-08 07:30	39.95	2002-01-16 10:06	47.3	7.35	2.87E-12	1.72E-07
Lower 19	6	2.537	-6.6625	2002-01-08 07:30	40.85	2002-01-16 10:06	50.02	9.17	5.47E-12	3.28E-07
Lower 19	7	2.537	-7.0375	2002-01-08 07:30	41.05	2002-01-16 10:06	48.31	7.26	2.74E-12	1.64E-07
Lower 19	8	2.537	-7.4125	2002-01-08 07:30	41.06	2002-01-16 10:06	60.86	19.8	2.06E-11	1.24E-06
Lower 20	1	2.678	-4.7875	2002-01-08 07:38	39.47	2002-01-16 10:04	152.99	113.52	1.55E-10	9.27E-06
Lower 20	2	2.678	-5.1625	2002-01-08 07:38	40.64	2002-01-16 10:04	48.09	7.45	3.01E-12	1.81E-07
Lower 20	3	2.678	-5.5375	2002-01-08 07:38	40.51	2002-01-16 10:04	74.65	34.14	4.11E-11	2.47E-06
Lower 20	4	2.678	-5.9125	2002-01-08 07:38	41.53	2002-01-16 10:04	69.94	28.41	3.30E-11	1.98E-06
Lower 20	5	2.678	-6.2875	2002-01-08 07:38	40.59	2002-01-16 10:04	176.84	136.25	1.87E-10	1.12E-05
Lower 20	6	2.678	-6.6625	2002-01-08 07:38	40.38	2002-01-16 10:04	112.94	72.56	9.60E-11	5.76E-06
Lower 20	7	2.678	-7.0375	2002-01-08 07:38	40.52	2002-01-16 10:04	261.28	220.76	3.08E-10	1.85E-05
Lower 20	8	2.678	-7.4125	2002-01-08 07:38	39.15	2002-01-16 10:04	111.7	72.55	9.60E-11	5.76E-06
Lower 21	1	2.819	-4.7875	2002-01-08 07:42	41.52	2002-01-16 10:00	151.32	109.8	1.49E-10	8.96E-06
Lower 21	2	2.819	-5.1625	2002-01-08 07:42	40.73	2002-01-16 10:00	151.08	110.35	1.50E-10	9.01E-06
Lower 21	3	2.819	-5.5375	2002-01-08 07:42	42.02	2002-01-16 10:00	168.03	126.01	1.73E-10	1.04E-05
Lower 21	4	2.819	-5.9125	2002-01-08 07:42	41.5	2002-01-16 10:00	204.84	163.34	2.26E-10	1.36E-05
Lower 21	5	2.819	-6.2875	2002-01-08 07:42	39.75	2002-01-16 10:00	205.37	165.62	2.29E-10	1.37E-05
Lower 21	6	2.819	-6.6625	2002-01-08 07:42	39.91	2002-01-16 10:00	222.3	182.39	2.53E-10	1.52E-05
Lower 21	7	2.819	-7.0375	2002-01-08 07:42	42.37	2002-01-16 10:00	302.22	259.85	3.64E-10	2.18E-05
Lower 21	8	2.819	-7.4125	2002-01-08 07:42	39.96	2002-01-16 10:00	321.64	281.68	3.95E-10	2.37E-05
Lower 22	1	2.960	-4.7875	2002-01-08 07:45	39.62	2002-01-16 09:57	139.31	99.69	1.35E-10	8.10E-06
Lower 22	2	2.960	-5.1625	2002-01-08 07:45	40.7	2002-01-16 09:57	191.86	151.16	2.09E-10	1.25E-05
Lower 22	3	2.960	-5.5375	2002-01-08 07:45	40.26	2002-01-16 09:57	334.28	294.02	4.13E-10	2.48E-05
Lower 22	4	2.960	-5.9125	2002-01-08 07:45	40.57	2002-01-16 09:57	294.6	254.03	3.56E-10	2.13E-05
Lower 22	5	2.960	-6.2875	2002-01-08 07:45	41.97	2002-01-16 09:57	358	316.03	4.44E-10	2.67E-05
Lower 22	6	2.960	-6.6625	2002-01-08 07:45	41.2	2002-01-16 09:57	355.45	314.25	4.42E-10	2.65E-05
Lower 22	7	2.960	-7.0375	2002-01-08 07:45	40.33	2002-01-16 09:57	315.77	275.44	3.86E-10	2.32E-05
Lower 22	8	2.960	-7.4125	2002-01-08 07:45	40.02	2002-01-16 09:57	299.7	259.68	3.64E-10	2.18E-05
Lower 23	1	3.101	-4.7875	2002-01-08 07:49	36.99	2002-01-16 09:55	276.15	239.16	3.35E-10	2.01E-05
Lower 23	2	3.101	-5.1625	2002-01-08 07:49	40.88	2002-01-16 09:55	328.8	287.92	4.04E-10	2.43E-05
Lower 23	3	3.101	-5.5375	2002-01-08 07:49	41.52	2002-01-16 09:55	293.16	251.64	3.52E-10	2.11E-05
Lower 23	4	3.101	-5.9125	2002-01-08 07:49	41.84	2002-01-16 09:55	255.41	213.57	2.98E-10	1.79E-05
Lower 23	5	3.101	-6.2875	2002-01-08 07:49	40.81	2002-01-16 09:55	286.02	245.21	3.43E-10	2.06E-05
Lower 23	6	3.101	-6.6625	2002-01-08 07:49	40.16	2002-01-16 09:55	310.52	270.36	3.79E-10	2.28E-05
Lower 23	7	3.101	-7.0375	2002-01-08 07:49	41.81	2002-01-16 09:55	285.2	243.39	3.41E-10	2.04E-05
Lower 23	8	3.101	-7.4125	2002-01-08 07:49	41.75	2002-01-16 09:55	294	252.25	3.53E-10	2.12E-05
Lower 24	1	3.242	-4.7875	2002-01-08 07:52	42.75	2002-01-16 11:23	161.47	118.72	1.61E-10	9.66E-06
Lower 24	2	3.242	-5.1625	2002-01-08 07:52	40.96	2002-01-16 11:23	130.16	89.2	1.19E-10	7.15E-06
Lower 24	3	3.242	-5.5375	2002-01-08 07:52	39.55	2002-01-16 11:23	67.33	27.78	3.19E-11	1.91E-06
Lower 24	4	3.242	-5.9125	2002-01-08 07:52	39.05	2002-01-16 11:23	73.05	34	4.07E-11	2.44E-06
Lower 24	5	3.242	-6.2875	2002-01-08 07:52	41.06	2002-01-16 11:23	51.5	10.44	7.25E-12	4.35E-07
Lower 24	6	3.242	-6.6625	2002-01-08 07:52	38.26	2002-01-16 11:23	186.29	148.03	2.03E-10	1.22E-05
Lower 24	7	3.242	-7.0375	2002-01-08 07:52	38.88	2002-01-16 11:23	239.53	200.65	2.77E-10	1.66E-05
Lower 24	8	3.242	-7.4125	2002-01-08 07:52	38.13	2002-01-16 11:23	109.27	71.14	9.35E-11	5.61E-06

Plank	Diaper	O_length (m)	Depth (m)	Date_start	Weight_start (g)	Date_end	Weight_end (g)	Weight_diff (g)	Q_corrected (m^3/s)	Q_corrected (l/min)
Lower 25	1	3.383	-4.7875	2002-01-08 07:55	39.7	2002-01-16 11:22	45.86	6.16	1.17E-12	6.99E-08
Lower 25	2	3.383	-5.1625	2002-01-08 07:55	37.61	2002-01-16 11:22	42.09	4.48	-1.22E-12	-7.33E-08
Lower 25	3	3.383	-5.5375	2002-01-08 07:55	38.85	2002-01-16 11:22	45	6.15	1.15E-12	6.91E-08
Lower 25	4	3.383	-5.9125	2002-01-08 07:55	40.17	2002-01-16 11:22	46.71	6.54	1.71E-12	1.02E-07
Lower 25	5	3.383	-6.2875	2002-01-08 07:55	36.94	2002-01-16 11:22	41.48	4.54	-1.14E-12	-6.82E-08
Lower 25	6	3.383	-6.6625	2002-01-08 07:55	37.56	2002-01-16 11:22	45.07	7.51	3.08E-12	1.85E-07
Lower 25	7	3.383	-7.0375	2002-01-08 07:55	40.66	2002-01-16 11:22	255.63	214.97	2.98E-10	1.79E-05
Lower 25	8	3.383	-7.4125	2002-01-08 07:55	39.69	2002-01-16 11:22	286.92	247.23	3.44E-10	2.06E-05
Lower 26	1	3.524	-4.7875	2002-01-07 08:00	40.19	2002-01-16 11:00	46.16	5.97	7.99E-13	4.79E-08
Lower 26	2	3.524	-5.1625	2002-01-07 08:00	39.4	2002-01-16 11:00	46.7	7.3	2.49E-12	1.49E-07
Lower 26	3	3.524	-5.5375	2002-01-07 08:00	40.34	2002-01-16 11:00	44.34	4	-1.70E-12	-1.02E-07
Lower 26	4	3.524	-5.9125	2002-01-07 08:00	40.17	2002-01-16 11:00	51.44	11.27	7.52E-12	4.51E-07
Lower 26	5	3.524	-6.2875	2002-01-07 08:00	39.01	2002-01-16 11:00	45.12	6.11	9.77E-13	5.86E-08
Lower 26	6	3.524	-6.6625	2002-01-07 08:00	41.36	2002-01-16 11:00	43.99	2.63	-3.44E-12	-2.06E-07
Lower 26	7	3.524	-7.0375	2002-01-07 08:00	41.42	2002-01-16 11:00	228.79	187.37	2.31E-10	1.39E-05
Lower 26	8	3.524	-7.4125	2002-01-07 08:00	41.75	2002-01-16 11:00	322.52	280.77	3.49E-10	2.10E-05
Lower 27	1	3.665	-4.7875	2002-01-08 08:04	39.76	2002-01-16 11:12	44.86	5.1	-3.42E-13	-2.05E-08
Lower 27	2	3.665	-5.1625	2002-01-08 08:04	40.54	2002-01-16 11:12	49.57	9.03	5.25E-12	3.15E-07
Lower 27	3	3.665	-5.5375	2002-01-08 08:04	40.34	2002-01-16 11:12	47.6	7.26	2.73E-12	1.64E-07
Lower 27	4	3.665	-5.9125	2002-01-08 08:04	39.5	2002-01-16 11:12	54.3	14.8	1.35E-11	8.08E-07
Lower 27	5	3.665	-6.2875	2002-01-08 08:04	38.7	2002-01-16 11:12	59.48	20.78	2.20E-11	1.32E-06
Lower 27	6	3.665	-6.6625	2002-01-08 08:04	39.23	2002-01-16 11:12	49.94	10.71	7.64E-12	4.59E-07
Lower 27	7	3.665	-7.0375	2002-01-08 08:04	41.01	2002-01-16 11:12	64.71	23.7	2.61E-11	1.57E-06
Lower 27	8	3.665	-7.4125	2002-01-08 08:04	41.29	2002-01-16 11:12	64.68	23.39	2.57E-11	1.54E-06
Lower 28	1	3.806	-4.7875	2002-01-08 08:06	40.4	2002-01-16 11:05	46.4	6	9.40E-13	5.64E-08
Lower 28	2	3.806	-5.1625	2002-01-08 08:06	43.33	2002-01-16 11:05	49.26	5.93	8.41E-13	5.04E-08
Lower 28	3	3.806	-5.5375	2002-01-08 08:06	40.28	2002-01-16 11:05	53.83	13.55	1.17E-11	7.02E-07
Lower 28	4	3.806	-5.9125	2002-01-08 08:06	40.03	2002-01-16 11:05	56.61	16.58	1.60E-11	9.61E-07
Lower 28	5	3.806	-6.2875	2002-01-08 08:06	39.39	2002-01-16 11:05	98.5	59.11	7.66E-11	4.60E-06
Lower 28	6	3.806	-6.6625	2002-01-08 08:06	40.95	2002-01-16 11:05	53.27	12.32	9.94E-12	5.97E-07
Lower 28	7	3.806	-7.0375	2002-01-08 08:06	38.15	2002-01-16 11:05	46.69	8.54	4.56E-12	2.74E-07
Lower 28	8	3.806	-7.4125	2002-01-08 08:06	40.59	2002-01-16 11:05	53.68	13.09	1.10E-11	6.62E-07
Lower 29	1	3.947	-4.7875	2002-01-08 08:10	39.47	2002-01-16 10:55	45.82	6.35	1.44E-12	8.64E-08
Lower 29	2	3.947	-5.1625	2002-01-08 08:10	38.92	2002-01-16 10:55	44.04	5.12	-3.14E-13	-1.88E-08
Lower 29	3	3.947	-5.5375	2002-01-08 08:10	38.59	2002-01-16 10:55	47.54	8.95	5.15E-12	3.09E-07
Lower 29	4	3.947	-5.9125	2002-01-08 08:10	39.83	2002-01-16 10:55	61.09	21.26	2.27E-11	1.36E-06
Lower 29	5	3.947	-6.2875	2002-01-08 08:10	41.91	2002-01-16 10:55	146.81	104.9	1.42E-10	8.52E-06
Lower 29	6	3.947	-6.6625	2002-01-08 08:10	40.25	2002-01-16 10:55	56.57	16.32	1.57E-11	9.40E-07
Lower 29	7	3.947	-7.0375	2002-01-08 08:10	39.92	2002-01-16 10:55	56.64	16.72	1.62E-11	9.74E-07
Lower 29	8	3.947	-7.4125	2002-01-08 08:10	40.51	2002-01-16 10:55	282.5	241.99	3.38E-10	2.03E-05
Lower 30	1	4.088	-4.7875	2002-01-08 08:13	39.97	2002-01-16 10:43	45.82	5.85	7.28E-13	4.37E-08
Lower 30	2	4.088	-5.1625	2002-01-08 08:13	40.19	2002-01-16 10:43	45.45	5.26	-1.14E-13	-6.86E-09
Lower 30	3	4.088	-5.5375	2002-01-08 08:13	40.02	2002-01-16 10:43	51.69	11.67	9.04E-12	5.42E-07
Lower 30	4	4.088	-5.9125	2002-01-08 08:13	40.48	2002-01-16 10:43	57.3	16.82	1.64E-11	9.84E-07
Lower 30	5	4.088	-6.2875	2002-01-08 08:13	41.1	2002-01-16 10:43	136.8	95.7	1.29E-10	7.74E-06
Lower 30	6	4.088	-6.6625	2002-01-08 08:13	41.97	2002-01-16 10:43	60.62	18.65	1.90E-11	1.14E-06
Lower 30	7	4.088	-7.0375	2002-01-08 08:13	36.69	2002-01-16 10:43	85.08	48.39	6.15E-11	3.69E-06
Lower 30	8	4.088	-7.4125	2002-01-08 08:13	39.44	2002-01-16 10:43	243	203.56	2.83E-10	1.70E-05
Lower 31	1	4.229	-4.7875	2002-01-08 08:15	41.47	2002-01-16 10:40	47.5	6.03	9.86E-13	5.92E-08
Lower 31	2	4.229	-5.1625	2002-01-08 08:15	41.08	2002-01-16 10:40	46.58	5.5	2.29E-13	1.37E-08
Lower 31	3	4.229	-5.5375	2002-01-08 08:15	41.64	2002-01-16 10:40	59	17.36	1.72E-11	1.03E-06
Lower 31	4	4.229	-5.9125	2002-01-08 08:15	39.2	2002-01-16 10:40	46.39	7.19	2.64E-12	1.59E-07
Lower 31	5	4.229	-6.2875	2002-01-08 08:15	41.21	2002-01-16 10:40	74.68	33.47	4.02E-11	2.41E-06
Lower 31	6	4.229	-6.6625	2002-01-08 08:15	38.62	2002-01-16 10:40	47.42	8.8	4.94E-12	2.97E-07
Lower 31	7	4.229	-7.0375	2002-01-08 08:15	40.49	2002-01-16 10:40	49.01	8.52	4.54E-12	2.73E-07
Lower 31	8	4.229	-7.4125	2002-01-08 08:15	39.5	2002-01-16 10:40	46.84	7.34	2.86E-12	1.71E-07
Lower 32	1	4.370	-4.7875	2002-01-08 08:18	41.92	2002-01-16 10:35	48.2	6.28	1.34E-12	8.06E-08
Lower 32	2	4.370	-5.1625	2002-01-08 08:18	40.25	2002-01-16 10:35	45.97	5.72	5.43E-13	3.26E-08
Lower 32	3	4.370	-5.5375	2002-01-08 08:18	40.45	2002-01-16 10:35	53.36	12.91	1.08E-11	6.49E-07
Lower 32	4	4.370	-5.9125	2002-01-08 08:18	39.21	2002-01-16 10:35	46.68	7.47	3.05E-12	1.83E-07
Lower 32	5	4.370	-6.2875	2002-01-08 08:18	38.81	2002-01-16 10:35	67.44	28.63	3.33E-11	2.00E-06
Lower 32	6	4.370	-6.6625	2002-01-08 08:18	40.65	2002-01-16 10:35	46.3	5.65	4.43E-13	2.66E-08
Lower 32	7	4.370	-7.0375	2002-01-08 08:18	40.03	2002-01-16 10:35	46.88	6.85	2.16E-12	1.30E-07
Lower 32	8	4.370	-7.4125	2002-01-08 08:18	41.32	2002-01-16 10:35	47.64	6.32	1.40E-12	8.41E-08

Plank	Diaper	O_length (m)	Depth (m)	Date_start	Weight_start (g)	Date_end	Weight_end (g)	Weight_diff (g)	Q_corrected (m^3/s)	Q_corrected (l/min)
Lower 33	1	4.511	-4.7875	2002-01-08 08:22	38.62	2002-01-16 10:34	44.28	5.66	4.58E-13	2.75E-08
Lower 33	2	4.511	-5.1625	2002-01-08 08:22	39.6	2002-01-16 10:34	45.09	5.49	2.15E-13	1.29E-08
Lower 33	3	4.511	-5.5375	2002-01-08 08:22	40.63	2002-01-16 10:34	49.96	9.33	5.71E-12	3.42E-07
Lower 33	4	4.511	-5.9125	2002-01-08 08:22	38.92	2002-01-16 10:34	48.71	9.79	6.37E-12	3.82E-07
Lower 33	5	4.511	-6.2875	2002-01-08 08:22	39.84	2002-01-16 10:34	131.29	91.45	1.23E-10	7.39E-06
Lower 33	6	4.511	-6.6625	2002-01-08 08:22	42.45	2002-01-16 10:34	54.57	12.12	9.70E-12	5.82E-07
Lower 33	7	4.511	-7.0375	2002-01-08 08:22	41.28	2002-01-16 10:34	50.92	9.64	6.15E-12	3.69E-07
Lower 33	8	4.511	-7.4125	2002-01-08 08:22	41.3	2002-01-16 10:34	53.28	11.98	9.50E-12	5.70E-07
Lower 34	1	4.652	-4.7875	2002-01-08 08:28	42.08	2002-01-16 10:27	59.5	17.42	1.73E-11	1.04E-06
Lower 34	2	4.652	-5.1625	2002-01-08 08:28	40.67	2002-01-16 10:27	46.47	5.8	6.59E-13	3.95E-08
Lower 34	3	4.652	-5.5375	2002-01-08 08:28	41.48	2002-01-16 10:27	64.25	22.77	2.50E-11	1.50E-06
Lower 34	4	4.652	-5.9125	2002-01-08 08:28	39.78	2002-01-16 10:27	65.49	25.71	2.92E-11	1.75E-06
Lower 34	5	4.652	-6.2875	2002-01-08 08:28	40.83	2002-01-16 10:27	190.38	149.55	2.07E-10	1.24E-05
Lower 34	6	4.652	-6.6625	2002-01-08 08:28	40.65	2002-01-16 10:27	358.62	317.97	4.48E-10	2.69E-05
Lower 34	7	4.652	-7.0375	2002-01-08 08:28	40.3	2002-01-16 10:27	299.32	259.02	3.63E-10	2.18E-05
Lower 34	8	4.652	-7.4125	2002-01-08 08:28	39.96	2002-01-16 10:27	250.82	210.86	2.94E-10	1.77E-05
Lower 35	1	4.793	-4.7875	2002-01-08 08:30	42.68	2002-01-16 10:25	321.1	278.42	3.91E-10	2.35E-05
Lower 35	2	4.793	-5.1625	2002-01-08 08:30	41	2002-01-16 10:25	50.1	9.1	5.39E-12	3.23E-07
Lower 35	3	4.793	-5.5375	2002-01-08 08:30	40.57	2002-01-16 10:25	60.85	20.28	2.14E-11	1.28E-06
Lower 35	4	4.793	-5.9125	2002-01-08 08:30	40.91	2002-01-16 10:25	132.95	92.04	1.24E-10	7.45E-06
Lower 35	5	4.793	-6.2875	2002-01-08 08:30	39.18	2002-01-16 10:25	61.6	22.42	2.45E-11	1.47E-06
Lower 35	6	4.793	-6.6625	2002-01-08 08:30	40.44	2002-01-16 10:25	53.25	12.81	1.07E-11	6.42E-07
Lower 35	7	4.793	-7.0375	2002-01-08 08:30	41.39	2002-01-16 10:25	49.87	8.48	4.50E-12	2.70E-07
Lower 35	8	4.793	-7.4125	2002-01-08 08:30	39.5	2002-01-16 10:25	48.13	8.63	4.71E-12	2.83E-07
Lower 36	1	4.934	-4.7875	2002-01-08 08:34	40.97	2002-01-16 10:22	46.32	5.35	1.43E-14	8.60E-10
Lower 36	2	4.934	-5.1625	2002-01-08 08:34	41.84	2002-01-16 10:22	46.64	4.8	-7.74E-13	-4.64E-08
Lower 36	3	4.934	-5.5375	2002-01-08 08:34	39.79	2002-01-16 10:22	47.73	7.94	3.73E-12	2.24E-07
Lower 36	4	4.934	-5.9125	2002-01-08 08:34	40.5	2002-01-16 10:22	50.24	9.74	6.31E-12	3.78E-07
Lower 36	5	4.934	-6.2875	2002-01-08 08:34	41.27	2002-01-16 10:22	49.11	7.84	3.58E-12	2.15E-07
Lower 36	6	4.934	-6.6625	2002-01-08 08:34	41.04	2002-01-16 10:22	47.1	6.06	1.03E-12	6.19E-08
Lower 36	7	4.934	-7.0375	2002-01-08 08:34	40.32	2002-01-16 10:22	46.78	6.46	1.61E-12	9.63E-08
Lower 36	8	4.934	-7.4125	2002-01-08 08:34	40.98	2002-01-16 10:22	46.86	5.88	7.74E-13	4.64E-08
Lower 37	1	5.075	-4.7875	2002-01-08 08:36	39.64	2002-01-16 10:00	43.92	4.28	-1.52E-12	-9.13E-08
Lower 37	2	5.075	-5.1625	2002-01-08 08:36	39.07	2002-01-16 10:00	43.45	4.38	-1.38E-12	-8.27E-08
Lower 37	3	5.075	-5.5375	2002-01-08 08:36	40.65	2002-01-16 10:00	45.36	4.71	-9.05E-13	-5.43E-08
Lower 37	4	5.075	-5.9125	2002-01-08 08:36	40.79	2002-01-16 10:00	42.64	1.85	-5.01E-12	-3.01E-07
Lower 37	5	5.075	-6.2875	2002-01-08 08:36	39.38	2002-01-16 10:00	45.01	5.63	4.17E-13	2.50E-08
Lower 37	6	5.075	-6.6625	2002-01-08 08:36	41.95	2002-01-16 10:00	47.54	5.59	3.59E-13	2.15E-08
Lower 37	7	5.075	-7.0375	2002-01-08 08:36	40.87	2002-01-16 10:00	47.63	6.76	2.04E-12	1.22E-07
Lower 37	8	5.075	-7.4125	2002-01-08 08:36	39.86	2002-01-16 10:00	50.39	10.53	7.45E-12	4.47E-07
Lower 38	1	5.216	-4.7875	2002-01-08 08:40	40.58	2002-01-16 10:04	45.02	4.44	-1.29E-12	-7.76E-08
Lower 38	2	5.216	-5.1625	2002-01-08 08:40	40.62	2002-01-16 10:04	45.06	4.44	-1.29E-12	-7.76E-08
Lower 38	3	5.216	-5.5375	2002-01-08 08:40	41.15	2002-01-16 10:04	45.03	3.88	-2.10E-12	-1.26E-07
Lower 38	4	5.216	-5.9125	2002-01-08 08:40	39.83	2002-01-16 10:04	46.88	7.05	2.46E-12	1.47E-07
Lower 38	5	5.216	-6.2875	2002-01-08 08:40	40.27	2002-01-16 10:04	50.65	10.38	7.24E-12	4.34E-07
Lower 38	6	5.216	-6.6625	2002-01-08 08:40	39.82	2002-01-16 10:04	45.84	6.02	9.77E-13	5.86E-08
Lower 38	7	5.216	-7.0375	2002-01-08 08:40	40.01	2002-01-16 10:04	48.49	8.48	4.51E-12	2.71E-07
Lower 38	8	5.216	-7.4125	2002-01-08 08:40	40.25	2002-01-16 10:04	193.37	153.12	2.12E-10	1.27E-05
Lower 39	1	5.357	-4.7875	2002-01-08 08:42	42.05	2002-01-16 10:15	47.61	5.56	3.16E-13	1.89E-08
Lower 39	2	5.357	-5.1625	2002-01-08 08:42	38.76	2002-01-16 10:15	43.48	4.72	-8.90E-13	-5.34E-08
Lower 39	3	5.357	-5.5375	2002-01-08 08:42	40.55	2002-01-16 10:15	45.58	5.03	-4.45E-13	-2.67E-08
Lower 39	4	5.357	-5.9125	2002-01-08 08:42	39.69	2002-01-16 10:15	50.49	10.8	7.84E-12	4.70E-07
Lower 39	5	5.357	-6.2875	2002-01-08 08:42	41.13	2002-01-16 10:15	49.03	7.9	3.67E-12	2.20E-07
Lower 39	6	5.357	-6.6625	2002-01-08 08:42	40.55	2002-01-16 10:15	47.05	6.5	1.66E-12	9.99E-08
Lower 39	7	5.357	-7.0375	2002-01-08 08:42	40.29	2002-01-16 10:15	49.04	8.75	4.89E-12	2.94E-07
Lower 39	8	5.357	-7.4125	2002-01-08 08:42	40.83	2002-01-16 10:15	72.23	31.4	3.74E-11	2.24E-06

Part 2 Hydraulic conductivity estimations

Abbreviations in Table below

Plank	The plank number
Diaper	The diaper number applied downwards
O_length	The ”length” following the borehole circumference starting at centreline of the tunnel facing east and running clock-wise
Depth	Centre of each diaper at borehole depth
Q_corrected	The calculated flowrate of each area covered by a diaper, l/min, after reducing the weight_diff with the reference value 6 grams.
K_{max} (d=1.15)	Maximum estimated hydraulic conductivity at a distance of 1.15 meters from deposition borehole centre.
K_{med} (d=1.15)	Mean estimated hydraulic conductivity at a distance of 1.15 meters from deposition borehole centre.
K_{min} (d=1.15)	Minimum estimated hydraulic conductivity at a distance of 1.15 meters from deposition borehole centre.
K_{max} (d=5)	Maximum estimated hydraulic conductivity at a distance of 5 meters from deposition borehole centre.
K_{med} (d=5)	Mean estimated hydraulic conductivity at a distance of 5 meters from deposition borehole centre.
K_{min} (d=5)	Minimum estimated hydraulic conductivity at a distance of 5 meters from deposition borehole centre.

Plank	Diaper	O_length	Depth	Q_corrected	K_{max} (d=1.15)	K_{med} (d=1.15)	K_{min} (d=1.15)	K_{max} (d=5)	K_{med} (d=5)	K_{min} (d=5)
				(l/min)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)
	Distance from borehole centre:			d=	1.15	1.15	1.15	5	5	5
	Measurement limit K = 5E-14 m/s			Diaper area=	0.03465	0.03465	0.03465	0.03465	0.03465	0.03465
				P (m) in rock=	7.3	24.7	108	50	133.3	220
				Median K=	5.5E-13	1.6E-13	5.0E-14	1.8E-13	6.9E-14	5.0E-14
Upper 01	1	0	-1.4875	-1.48E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 01	2	0	-1.8625	-1.35E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 01	3	0	-2.2375	-9.25E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 01	4	0	-2.6125	-2.42E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 01	5	0	-2.9875	5.45E-08	9.1E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 01	6	0	-3.3625	-1.99E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 01	7	0	-3.7375	-7.52E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 01	8	0	-4.1125	-4.06E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 02	1	0.1409689	-1.4875	2.81E-07	4.7E-13	1.4E-13	5.0E-14	1.6E-13	5.9E-14	5.0E-14
Upper 02	2	0.1409689	-1.8625	-5.79E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 02	3	0.1409689	-2.2375	4.93E-08	8.3E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 02	4	0.1409689	-2.6125	5.19E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 02	5	0.1409689	-2.9875	1.29E-07	2.2E-13	6.4E-14	5.0E-14	7.2E-14	5.0E-14	5.0E-14
Upper 02	6	0.1409689	-3.3625	4.24E-08	7.1E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 02	7	0.1409689	-3.7375	-2.68E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 02	8	0.1409689	-4.1125	3.37E-08	5.7E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 03	1	0.2819378	-1.4875	9.62E-06	1.6E-11	4.8E-12	1.1E-12	5.3E-12	2.0E-12	1.2E-12
Upper 03	2	0.2819378	-1.8625	1.38E-07	2.3E-13	6.9E-14	5.0E-14	7.7E-14	5.0E-14	5.0E-14
Upper 03	3	0.2819378	-2.2375	-1.04E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 03	4	0.2819378	-2.6125	-1.73E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 03	5	0.2819378	-2.9875	-3.55E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 03	6	0.2819378	-3.3625	5.10E-08	8.6E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 03	7	0.2819378	-3.7375	3.07E-22	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 03	8	0.2819378	-4.1125	5.97E-08	1.0E-13	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 04	1	0.4229067	-1.4875	1.97E-05	3.3E-11	9.8E-12	2.2E-12	1.1E-11	4.1E-12	2.5E-12
Upper 04	2	0.4229067	-1.8625	1.73E-05	2.9E-11	8.6E-12	2.0E-12	9.6E-12	3.6E-12	2.2E-12
Upper 04	3	0.4229067	-2.2375	1.26E-05	2.1E-11	6.2E-12	1.4E-12	7.0E-12	2.6E-12	1.6E-12
Upper 04	4	0.4229067	-2.6125	1.54E-06	2.6E-12	7.7E-13	1.7E-13	8.6E-13	3.2E-13	1.9E-13
Upper 04	5	0.4229067	-2.9875	2.41E-06	4.0E-12	1.2E-12	2.7E-13	1.3E-12	5.0E-13	3.0E-13
Upper 04	6	0.4229067	-3.3625	2.03E-07	3.4E-13	1.0E-13	5.0E-14	1.1E-13	5.0E-14	5.0E-14
Upper 04	7	0.4229067	-3.7375	4.76E-07	8.0E-13	2.4E-13	5.4E-14	2.6E-13	9.9E-14	6.0E-14
Upper 04	8	0.4229067	-4.1125	6.92E-08	1.2E-13	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 05	1	0.5638756	-1.4875	1.97E-05	3.3E-11	9.7E-12	2.2E-12	1.1E-11	4.1E-12	2.5E-12
Upper 05	2	0.5638756	-1.8625	1.65E-05	2.8E-11	8.2E-12	1.9E-12	9.2E-12	3.4E-12	2.1E-12
Upper 05	3	0.5638756	-2.2375	8.49E-06	1.4E-11	4.2E-12	9.6E-13	4.7E-12	1.8E-12	1.1E-12
Upper 05	4	0.5638756	-2.6125	9.23E-06	1.5E-11	4.6E-12	1.0E-12	5.1E-12	1.9E-12	1.2E-12
Upper 05	5	0.5638756	-2.9875	9.55E-06	1.6E-11	4.7E-12	1.1E-12	5.3E-12	2.0E-12	1.2E-12
Upper 05	6	0.5638756	-3.3625	9.07E-07	1.5E-12	4.5E-13	1.0E-13	5.0E-13	1.9E-13	1.1E-13
Upper 05	7	0.5638756	-3.7375	1.43E-06	2.4E-12	7.1E-13	1.6E-13	7.9E-13	3.0E-13	1.8E-13
Upper 05	8	0.5638756	-4.1125	4.08E-07	6.8E-13	2.0E-13	5.0E-14	2.3E-13	8.5E-14	5.2E-14
Upper 06	1	0.70484451	-1.4875	1.64E-05	2.7E-11	8.1E-12	1.9E-12	9.1E-12	3.4E-12	2.1E-12
Upper 06	2	0.70484451	-1.8625	1.57E-05	2.6E-11	7.8E-12	1.8E-12	8.7E-12	3.3E-12	2.0E-12
Upper 06	3	0.70484451	-2.2375	1.93E-05	3.2E-11	9.6E-12	2.2E-12	1.1E-11	4.0E-12	2.4E-12
Upper 06	4	0.70484451	-2.6125	1.13E-05	1.9E-11	5.6E-12	1.3E-12	6.3E-12	2.4E-12	1.4E-12
Upper 06	5	0.70484451	-2.9875	1.49E-05	2.5E-11	7.4E-12	1.7E-12	8.3E-12	3.1E-12	1.9E-12
Upper 06	6	0.70484451	-3.3625	5.36E-06	9.0E-12	2.7E-12	6.1E-13	3.0E-12	1.1E-12	6.8E-13
Upper 06	7	0.70484451	-3.7375	2.70E-06	4.5E-12	1.3E-12	3.1E-13	1.5E-12	5.6E-13	3.4E-13
Upper 06	8	0.70484451	-4.1125	9.18E-07	1.5E-12	4.6E-13	1.0E-13	5.1E-13	1.9E-13	1.2E-13
Upper 07	1	0.84581341	-1.4875	1.90E-05	3.2E-11	9.4E-12	2.1E-12	1.1E-11	3.9E-12	2.4E-12
Upper 07	2	0.84581341	-1.8625	2.39E-06	4.0E-12	1.2E-12	2.7E-13	1.3E-12	5.0E-13	3.0E-13
Upper 07	3	0.84581341	-2.2375	-1.47E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 07	4	0.84581341	-2.6125	-1.73E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 07	5	0.84581341	-2.9875	2.94E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 07	6	0.84581341	-3.3625	5.10E-08	8.6E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 07	7	0.84581341	-3.7375	-4.93E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 07	8	0.84581341	-4.1125	-5.10E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14

Plank	Diaper	O_length	Depth	Q_corrected	K_{max} (d=1.15)	K_{med} (d=1.15)	K_{min} (d=1.15)	K_{max} (d=5)	K_{med} (d=5)	K_{min} (d=5)
				(l/min)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)
	Distance from borehole centre:			d=	1.15	1.15	1.15	5	5	5
	Measurement limit K = 5E-14 m/s			Diaper area=	0.03465	0.03465	0.03465	0.03465	0.03465	0.03465
				P (m) in rock=	7.3	24.7	108	50	133.3	220
				Median K=	5.8E-13	1.7E-13	5.0E-14	1.9E-13	7.2E-14	5.0E-14
Upper 08	1	0.98678231	-1.4875	4.80E-07	8.0E-13	2.4E-13	5.4E-14	2.7E-13	1.0E-13	6.1E-14
Upper 08	2	0.98678231	-1.8625	-6.49E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 08	3	0.98678231	-2.2375	-8.56E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 08	4	0.98678231	-2.6125	-6.74E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 08	5	0.98678231	-2.9875	-9.08E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 08	6	0.98678231	-3.3625	6.83E-08	1.1E-13	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 08	7	0.98678231	-3.7375	-5.02E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 08	8	0.98678231	-4.1125	-1.49E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 09	1	1.12775121	-1.4875	-8.65E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 09	2	1.12775121	-1.8625	-1.35E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 09	3	1.12775121	-2.2375	-5.27E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 09	4	1.12775121	-2.6125	-1.34E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 09	5	1.12775121	-2.9875	2.47E-07	4.1E-13	1.2E-13	5.0E-14	1.4E-13	5.2E-14	5.0E-14
Upper 09	6	1.12775121	-3.3625	3.98E-08	6.7E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 09	7	1.12775121	-3.7375	-6.66E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 09	8	1.12775121	-4.1125	-9.94E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 10	1	1.26872011	-1.4875	-1.21E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 10	2	1.26872011	-1.8625	-4.56E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 10	3	1.26872011	-2.2375	-1.82E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 10	4	1.26872011	-2.6125	2.15E-07	3.6E-13	1.1E-13	5.0E-14	1.2E-13	5.0E-14	5.0E-14
Upper 10	5	1.26872011	-2.9875	1.29E-07	2.2E-13	6.4E-14	5.0E-14	7.2E-14	5.0E-14	5.0E-14
Upper 10	6	1.26872011	-3.3625	1.64E-07	2.8E-13	8.2E-14	5.0E-14	9.1E-14	5.0E-14	5.0E-14
Upper 10	7	1.26872011	-3.7375	1.10E-07	1.8E-13	5.4E-14	5.0E-14	6.1E-14	5.0E-14	5.0E-14
Upper 10	8	1.26872011	-4.1125	-8.65E-10	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 11	1	1.40968901	-1.4875	-1.10E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 11	2	1.40968901	-1.8625	-1.45E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 11	3	1.40968901	-2.2375	4.24E-08	7.1E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 11	4	1.40968901	-2.6125	9.45E-06	1.6E-11	4.7E-12	1.1E-12	5.2E-12	2.0E-12	1.2E-12
Upper 11	5	1.40968901	-2.9875	5.10E-06	8.6E-12	2.5E-12	5.8E-13	2.8E-12	1.1E-12	6.4E-13
Upper 11	6	1.40968901	-3.3625	6.71E-07	1.1E-12	3.3E-13	7.6E-14	3.7E-13	1.4E-13	8.5E-14
Upper 11	7	1.40968901	-3.7375	8.44E-06	1.4E-11	4.2E-12	9.6E-13	4.7E-12	1.8E-12	1.1E-12
Upper 11	8	1.40968901	-4.1125	2.60E-07	4.4E-13	1.3E-13	5.0E-14	1.4E-13	5.4E-14	5.0E-14
Upper 12	1	1.55065791	-1.4875	-1.05E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 12	2	1.55065791	-1.8625	-1.19E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 12	3	1.55065791	-2.2375	1.01E-07	1.7E-13	5.0E-14	5.0E-14	5.6E-14	5.0E-14	5.0E-14
Upper 12	4	1.55065791	-2.6125	1.14E-05	1.9E-11	5.6E-12	1.3E-12	6.3E-12	2.4E-12	1.4E-12
Upper 12	5	1.55065791	-2.9875	1.80E-05	3.0E-11	8.9E-12	2.0E-12	1.0E-11	3.7E-12	2.3E-12
Upper 12	6	1.55065791	-3.3625	2.85E-05	4.8E-11	1.4E-11	3.2E-12	1.6E-11	5.9E-12	3.6E-12
Upper 12	7	1.55065791	-3.7375	2.57E-05	4.3E-11	1.3E-11	2.9E-12	1.4E-11	5.3E-12	3.2E-12
Upper 12	8	1.55065791	-4.1125	2.50E-05	4.2E-11	1.2E-11	2.8E-12	1.4E-11	5.2E-12	3.2E-12
Upper 13	1	1.69162681	-1.4875	-7.53E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 13	2	1.69162681	-1.8625	-1.52E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 13	3	1.69162681	-2.2375	-8.83E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 13	4	1.69162681	-2.6125	4.81E-07	8.1E-13	2.4E-13	5.5E-14	2.7E-13	1.0E-13	6.1E-14
Upper 13	5	1.69162681	-2.9875	1.05E-06	1.8E-12	5.2E-13	1.2E-13	5.8E-13	2.2E-13	1.3E-13
Upper 13	6	1.69162681	-3.3625	1.37E-07	2.3E-13	6.8E-14	5.0E-14	7.6E-14	5.0E-14	5.0E-14
Upper 13	7	1.69162681	-3.7375	3.93E-07	6.6E-13	1.9E-13	5.0E-14	2.2E-13	8.2E-14	5.0E-14
Upper 13	8	1.69162681	-4.1125	-5.02E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 14	1	1.83259571	-1.4875	1.16E-05	1.9E-11	5.8E-12	1.3E-12	6.4E-12	2.4E-12	1.5E-12
Upper 14	2	1.83259571	-1.8625	8.71E-06	1.5E-11	4.3E-12	9.9E-13	4.8E-12	1.8E-12	1.1E-12
Upper 14	3	1.83259571	-2.2375	2.70E-06	4.5E-12	1.3E-12	3.1E-13	1.5E-12	5.6E-13	3.4E-13
Upper 14	4	1.83259571	-2.6125	3.83E-07	6.4E-13	1.9E-13	5.0E-14	2.1E-13	8.0E-14	5.0E-14
Upper 14	5	1.83259571	-2.9875	7.75E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 14	6	1.83259571	-3.3625	9.47E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 14	7	1.83259571	-3.7375	-1.29E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 14	8	1.83259571	-4.1125	-1.57E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14

Plank	Diaper	O_length	Depth	Q_corrected	K_{max} (d=1.15)	K_{med} (d=1.15)	K_{min} (d=1.15)	K_{max} (d=5)	K_{med} (d=5)	K_{min} (d=5)
				(l/min)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)
	Distance from borehole centre:			d=	1.15	1.15	1.15	5	5	5
	Measurement limit K = 5E-14 m/s			Diaper area=	0.03465	0.03465	0.03465	0.03465	0.03465	0.03465
				P (m) in rock=	7.3	24.7	108	50	133.3	220
				Median K=	7.3E-13	2.2E-13	5.0E-14	2.4E-13	9.0E-14	5.5E-14
Upper 15	1	1.97356462	-1.4875	6.08E-06	1.0E-11	3.0E-12	6.9E-13	3.4E-12	1.3E-12	7.7E-13
Upper 15	2	1.97356462	-1.8625	1.22E-05	2.1E-11	6.1E-12	1.4E-12	6.8E-12	2.5E-12	1.5E-12
Upper 15	3	1.97356462	-2.2375	1.81E-05	3.0E-11	9.0E-12	2.1E-12	1.0E-11	3.8E-12	2.3E-12
Upper 15	4	1.97356462	-2.6125	1.97E-05	3.3E-11	9.8E-12	2.2E-12	1.1E-11	4.1E-12	2.5E-12
Upper 15	5	1.97356462	-2.9875	1.93E-05	3.2E-11	9.6E-12	2.2E-12	1.1E-11	4.0E-12	2.4E-12
Upper 15	6	1.97356462	-3.3625	2.31E-05	3.9E-11	1.1E-11	2.6E-12	1.3E-11	4.8E-12	2.9E-12
Upper 15	7	1.97356462	-3.7375	2.21E-05	3.7E-11	1.1E-11	2.5E-12	1.2E-11	4.6E-12	2.8E-12
Upper 15	8	1.97356462	-4.1125	1.99E-05	3.3E-11	9.9E-12	2.3E-12	1.1E-11	4.1E-12	2.5E-12
Upper 16	1	2.11453352	-1.4875	5.01E-06	8.4E-12	2.5E-12	5.7E-13	2.8E-12	1.0E-12	6.3E-13
Upper 16	2	2.11453352	-1.8625	1.15E-05	1.9E-11	5.7E-12	1.3E-12	6.4E-12	2.4E-12	1.5E-12
Upper 16	3	2.11453352	-2.2375	1.52E-05	2.6E-11	7.6E-12	1.7E-12	8.5E-12	3.2E-12	1.9E-12
Upper 16	4	2.11453352	-2.6125	1.73E-05	2.9E-11	8.6E-12	2.0E-12	9.6E-12	3.6E-12	2.2E-12
Upper 16	5	2.11453352	-2.9875	1.76E-05	2.9E-11	8.7E-12	2.0E-12	9.8E-12	3.7E-12	2.2E-12
Upper 16	6	2.11453352	-3.3625	2.12E-05	3.5E-11	1.0E-11	2.4E-12	1.2E-11	4.4E-12	2.7E-12
Upper 16	7	2.11453352	-3.7375	2.48E-05	4.2E-11	1.2E-11	2.8E-12	1.4E-11	5.2E-12	3.1E-12
Upper 16	8	2.11453352	-4.1125	2.27E-05	3.8E-11	1.1E-11	2.6E-12	1.3E-11	4.7E-12	2.9E-12
Upper 17	1	2.25550242	-1.4875	1.34E-05	2.3E-11	6.7E-12	1.5E-12	7.5E-12	2.8E-12	1.7E-12
Upper 17	2	2.25550242	-1.8625	1.68E-05	2.8E-11	8.4E-12	1.9E-12	9.4E-12	3.5E-12	2.1E-12
Upper 17	3	2.25550242	-2.2375	9.61E-06	1.6E-11	4.8E-12	1.1E-12	5.3E-12	2.0E-12	1.2E-12
Upper 17	4	2.25550242	-2.6125	8.83E-07	1.5E-12	4.4E-13	1.0E-13	4.9E-13	1.8E-13	1.1E-13
Upper 17	5	2.25550242	-2.9875	4.09E-07	6.9E-13	2.0E-13	5.0E-14	2.3E-13	8.5E-14	5.2E-14
Upper 17	6	2.25550242	-3.3625	4.17E-06	7.0E-12	2.1E-12	4.7E-13	2.3E-12	8.7E-13	5.3E-13
Upper 17	7	2.25550242	-3.7375	1.40E-06	2.3E-12	6.9E-13	1.6E-13	7.8E-13	2.9E-13	1.8E-13
Upper 17	8	2.25550242	-4.1125	5.18E-07	8.7E-13	2.6E-13	5.9E-14	2.9E-13	1.1E-13	6.5E-14
Upper 18	1	2.39647132	-1.4875	1.89E-05	3.2E-11	9.4E-12	2.1E-12	1.1E-11	3.9E-12	2.4E-12
Upper 18	2	2.39647132	-1.8625	1.18E-06	2.0E-12	5.8E-13	1.3E-13	6.5E-13	2.4E-13	1.5E-13
Upper 18	3	2.39647132	-2.2375	1.16E-06	1.9E-12	5.7E-13	1.3E-13	6.4E-13	2.4E-13	1.5E-13
Upper 18	4	2.39647132	-2.6125	-3.53E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 18	5	2.39647132	-2.9875	-7.06E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 18	6	2.39647132	-3.3625	-7.40E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 18	7	2.39647132	-3.7375	-6.54E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 18	8	2.39647132	-4.1125	-1.10E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 19	1	2.53744022	-1.4875	1.21E-05	2.0E-11	6.0E-12	1.4E-12	6.7E-12	2.5E-12	1.5E-12
Upper 19	2	2.53744022	-1.8625	4.00E-07	6.7E-13	2.0E-13	5.0E-14	2.2E-13	8.3E-14	5.1E-14
Upper 19	3	2.53744022	-2.2375	-3.44E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 19	4	2.53744022	-2.6125	-1.72E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 19	5	2.53744022	-2.9875	-3.27E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 19	6	2.53744022	-3.3625	5.59E-08	9.4E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 19	7	2.53744022	-3.7375	1.99E-07	3.3E-13	9.9E-14	5.0E-14	1.1E-13	5.0E-14	5.0E-14
Upper 19	8	2.53744022	-4.1125	-9.64E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 20	1	2.67840912	-1.4875	1.17E-05	2.0E-11	5.8E-12	1.3E-12	6.5E-12	2.4E-12	1.5E-12
Upper 20	2	2.67840912	-1.8625	1.99E-05	3.3E-11	9.9E-12	2.3E-12	1.1E-11	4.1E-12	2.5E-12
Upper 20	3	2.67840912	-2.2375	1.74E-05	2.9E-11	8.6E-12	2.0E-12	9.7E-12	3.6E-12	2.2E-12
Upper 20	4	2.67840912	-2.6125	1.80E-05	3.0E-11	8.9E-12	2.0E-12	1.0E-11	3.7E-12	2.3E-12
Upper 20	5	2.67840912	-2.9875	1.91E-05	3.2E-11	9.5E-12	2.2E-12	1.1E-11	4.0E-12	2.4E-12
Upper 20	6	2.67840912	-3.3625	2.37E-05	4.0E-11	1.2E-11	2.7E-12	1.3E-11	4.9E-12	3.0E-12
Upper 20	7	2.67840912	-3.7375	2.80E-05	4.7E-11	1.4E-11	3.2E-12	1.6E-11	5.8E-12	3.5E-12
Upper 20	8	2.67840912	-4.1125	2.40E-05	4.0E-11	1.2E-11	2.7E-12	1.3E-11	5.0E-12	3.0E-12
Upper 21	1	2.81937802	-1.4875	6.53E-06	1.1E-11	3.2E-12	7.4E-13	3.6E-12	1.4E-12	8.2E-13
Upper 21	2	2.81937802	-1.8625	6.42E-06	1.1E-11	3.2E-12	7.3E-13	3.6E-12	1.3E-12	8.1E-13
Upper 21	3	2.81937802	-2.2375	7.45E-06	1.2E-11	3.7E-12	8.4E-13	4.1E-12	1.6E-12	9.4E-13
Upper 21	4	2.81937802	-2.6125	8.34E-06	1.4E-11	4.1E-12	9.4E-13	4.6E-12	1.7E-12	1.1E-12
Upper 21	5	2.81937802	-2.9875	7.82E-06	1.3E-11	3.9E-12	8.9E-13	4.3E-12	1.6E-12	9.9E-13
Upper 21	6	2.81937802	-3.3625	8.95E-06	1.5E-11	4.4E-12	1.0E-12	5.0E-12	1.9E-12	1.1E-12
Upper 21	7	2.81937802	-3.7375	8.01E-06	1.3E-11	4.0E-12	9.1E-13	4.4E-12	1.7E-12	1.0E-12
Upper 21	8	2.81937802	-4.1125	1.36E-05	2.3E-11	6.8E-12	1.5E-12	7.6E-12	2.8E-12	1.7E-12

Plank	Diaper	O_length	Depth	Q_corrected	K_{max} (d=1.15)	K_{med} (d=1.15)	K_{min} (d=1.15)	K_{max} (d=5)	K_{med} (d=5)	K_{min} (d=5)
				(l/min)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)
	Distance from borehole centre:			d=	1.15	1.15	1.15	5	5	5
	Measurement limit K = 5E-14 m/s			Diaper area=	0.03465	0.03465	0.03465	0.03465	0.03465	0.03465
				P (m) in rock=	7.3	24.7	108	50	133.3	220
				Median K=	5.3E-13	1.6E-13	5.0E-14	1.8E-13	6.6E-14	5.0E-14
Upper 22	1	2.96034692	-1.4875	6.40E-06	1.1E-11	3.2E-12	7.3E-13	3.6E-12	1.3E-12	8.1E-13
Upper 22	2	2.96034692	-1.8625	5.00E-06	8.4E-12	2.5E-12	5.7E-13	2.8E-12	1.0E-12	6.3E-13
Upper 22	3	2.96034692	-2.2375	4.56E-06	7.6E-12	2.3E-12	5.2E-13	2.5E-12	9.5E-13	5.8E-13
Upper 22	4	2.96034692	-2.6125	7.15E-06	1.2E-11	3.5E-12	8.1E-13	4.0E-12	1.5E-12	9.0E-13
Upper 22	5	2.96034692	-2.9875	8.81E-06	1.5E-11	4.4E-12	1.0E-12	4.9E-12	1.8E-12	1.1E-12
Upper 22	6	2.96034692	-3.3625	8.13E-06	1.4E-11	4.0E-12	9.2E-13	4.5E-12	1.7E-12	1.0E-12
Upper 22	7	2.96034692	-3.7375	8.00E-06	1.3E-11	4.0E-12	9.1E-13	4.4E-12	1.7E-12	1.0E-12
Upper 22	8	2.96034692	-4.1125	1.68E-05	2.8E-11	8.3E-12	1.9E-12	9.3E-12	3.5E-12	2.1E-12
Upper 23	1	3.10131582	-1.4875	1.26E-05	2.1E-11	6.2E-12	1.4E-12	7.0E-12	2.6E-12	1.6E-12
Upper 23	2	3.10131582	-1.8625	1.58E-05	2.7E-11	7.8E-12	1.8E-12	8.8E-12	3.3E-12	2.0E-12
Upper 23	3	3.10131582	-2.2375	1.86E-05	3.1E-11	9.2E-12	2.1E-12	1.0E-11	3.9E-12	2.3E-12
Upper 23	4	3.10131582	-2.6125	1.78E-05	3.0E-11	8.8E-12	2.0E-12	9.9E-12	3.7E-12	2.2E-12
Upper 23	5	3.10131582	-2.9875	1.88E-05	3.2E-11	9.3E-12	2.1E-12	1.0E-11	3.9E-12	2.4E-12
Upper 23	6	3.10131582	-3.3625	2.00E-05	3.4E-11	9.9E-12	2.3E-12	1.1E-11	4.2E-12	2.5E-12
Upper 23	7	3.10131582	-3.7375	2.58E-05	4.3E-11	1.3E-11	2.9E-12	1.4E-11	5.4E-12	3.3E-12
Upper 23	8	3.10131582	-4.1125	2.46E-05	4.1E-11	1.2E-11	2.8E-12	1.4E-11	5.1E-12	3.1E-12
Upper 24	1	3.24228473	-1.4875	1.64E-05	2.7E-11	8.1E-12	1.9E-12	9.1E-12	3.4E-12	2.1E-12
Upper 24	2	3.24228473	-1.8625	1.60E-05	2.7E-11	7.9E-12	1.8E-12	8.9E-12	3.3E-12	2.0E-12
Upper 24	3	3.24228473	-2.2375	1.05E-05	1.8E-11	5.2E-12	1.2E-12	5.8E-12	2.2E-12	1.3E-12
Upper 24	4	3.24228473	-2.6125	7.55E-07	1.3E-12	3.7E-13	8.6E-14	4.2E-13	1.6E-13	9.5E-14
Upper 24	5	3.24228473	-2.9875	3.73E-07	6.2E-13	1.8E-13	5.0E-14	2.1E-13	7.8E-14	5.0E-14
Upper 24	6	3.24228473	-3.3625	9.86E-06	1.7E-11	4.9E-12	1.1E-12	5.5E-12	2.1E-12	1.2E-12
Upper 24	7	3.24228473	-3.7375	-6.72E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 24	8	3.24228473	-4.1125	4.60E-06	7.7E-12	2.3E-12	5.2E-13	2.6E-12	9.6E-13	5.8E-13
Upper 25	1	3.38325363	-1.4875	5.11E-06	8.6E-12	2.5E-12	5.8E-13	2.8E-12	1.1E-12	6.5E-13
Upper 25	2	3.38325363	-1.8625	1.79E-07	3.0E-13	8.9E-14	5.0E-14	1.0E-13	5.0E-14	5.0E-14
Upper 25	3	3.38325363	-2.2375	4.65E-08	7.8E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 25	4	3.38325363	-2.6125	-3.88E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 25	5	3.38325363	-2.9875	1.12E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 25	6	3.38325363	-3.3625	-7.84E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 25	7	3.38325363	-3.7375	3.27E-08	5.5E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 25	8	3.38325363	-4.1125	-4.05E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 26	1	3.52422253	-1.4875	1.75E-05	2.9E-11	8.7E-12	2.0E-12	9.7E-12	3.7E-12	2.2E-12
Upper 26	2	3.52422253	-1.8625	1.67E-05	2.8E-11	8.3E-12	1.9E-12	9.3E-12	3.5E-12	2.1E-12
Upper 26	3	3.52422253	-2.2375	3.79E-06	6.4E-12	1.9E-12	4.3E-13	2.1E-12	7.9E-13	4.8E-13
Upper 26	4	3.52422253	-2.6125	1.65E-07	2.8E-13	8.2E-14	5.0E-14	9.1E-14	5.0E-14	5.0E-14
Upper 26	5	3.52422253	-2.9875	-7.72E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 26	6	3.52422253	-3.3625	-1.01E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 26	7	3.52422253	-3.7375	8.67E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 26	8	3.52422253	-4.1125	-3.81E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 27	1	3.66519143	-1.4875	1.29E-05	2.2E-11	6.4E-12	1.5E-12	7.1E-12	2.7E-12	1.6E-12
Upper 27	2	3.66519143	-1.8625	8.01E-06	1.3E-11	4.0E-12	9.1E-13	4.4E-12	1.7E-12	1.0E-12
Upper 27	3	3.66519143	-2.2375	1.90E-06	3.2E-12	9.4E-13	2.2E-13	1.1E-12	4.0E-13	2.4E-13
Upper 27	4	3.66519143	-2.6125	-9.37E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 27	5	3.66519143	-2.9875	1.99E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 27	6	3.66519143	-3.3625	-7.80E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 27	7	3.66519143	-3.7375	-5.55E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 27	8	3.66519143	-4.1125	-4.51E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 28	1	3.80616033	-1.4875	8.35E-07	1.4E-12	4.1E-13	9.5E-14	4.6E-13	1.7E-13	1.1E-13
Upper 28	2	3.80616033	-1.8625	-6.94E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 28	3	3.80616033	-2.2375	2.87E-07	4.8E-13	1.4E-13	5.0E-14	1.6E-13	6.0E-14	5.0E-14
Upper 28	4	3.80616033	-2.6125	-5.20E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 28	5	3.80616033	-2.9875	-1.12E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 28	6	3.80616033	-3.3625	-9.45E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 28	7	3.80616033	-3.7375	-5.29E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 28	8	3.80616033	-4.1125	-2.86E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14

Plank	Diaper	O_length	Depth	Q_corrected	K_{max} (d=1.15)	K_{med} (d=1.15)	K_{min} (d=1.15)	K_{max} (d=5)	K_{med} (d=5)	K_{min} (d=5)
				(l/min)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)
	Distance from borehole centre:			d=	1.15	1.15	1.15	5	5	5
	Measurement limit K = 5E-14 m/s			Diaper area=	0.03465	0.03465	0.03465	0.03465	0.03465	0.03465
				P (m) in rock=	7.3	24.7	108	50	133.3	220
				Median K=	5.2E-13	1.5E-13	5.0E-14	1.7E-13	6.4E-14	5.0E-14
Upper 29	1	3.94712923	-1.4875	-2.34E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 29	2	3.94712923	-1.8625	-4.02E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 29	3	3.94712923	-2.2375	3.06E-07	5.1E-13	1.5E-13	5.0E-14	1.7E-13	6.4E-14	5.0E-14
Upper 29	4	3.94712923	-2.6125	1.54E-07	2.6E-13	7.7E-14	5.0E-14	8.6E-14	5.0E-14	5.0E-14
Upper 29	5	3.94712923	-2.9875	1.66E-07	2.8E-13	8.2E-14	5.0E-14	9.2E-14	5.0E-14	5.0E-14
Upper 29	6	3.94712923	-3.3625	-1.06E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 29	7	3.94712923	-3.7375	-2.08E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 29	8	3.94712923	-4.1125	-5.72E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 30	1	4.08809813	-1.4875	1.22E-07	2.1E-13	6.1E-14	5.0E-14	6.8E-14	5.0E-14	5.0E-14
Upper 30	2	4.08809813	-1.8625	2.95E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 30	3	4.08809813	-2.2375	-1.48E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 30	4	4.08809813	-2.6125	5.86E-06	9.8E-12	2.9E-12	6.6E-13	3.3E-12	1.2E-12	7.4E-13
Upper 30	5	4.08809813	-2.9875	1.19E-07	2.0E-13	5.9E-14	5.0E-14	6.6E-14	5.0E-14	5.0E-14
Upper 30	6	4.08809813	-3.3625	-7.81E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 30	7	4.08809813	-3.7375	8.68E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 30	8	4.08809813	-4.1125	7.72E-08	1.3E-13	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 31	1	4.22906703	-1.4875	5.36E-07	9.0E-13	2.7E-13	6.1E-14	3.0E-13	1.1E-13	6.8E-14
Upper 31	2	4.22906703	-1.8625	1.47E-07	2.5E-13	7.3E-14	5.0E-14	8.1E-14	5.0E-14	5.0E-14
Upper 31	3	4.22906703	-2.2375	3.64E-08	6.1E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 31	4	4.22906703	-2.6125	4.31E-06	7.2E-12	2.1E-12	4.9E-13	2.4E-12	9.0E-13	5.4E-13
Upper 31	5	4.22906703	-2.9875	2.10E-06	3.5E-12	1.0E-12	2.4E-13	1.2E-12	4.4E-13	2.7E-13
Upper 31	6	4.22906703	-3.3625	1.65E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 31	7	4.22906703	-3.7375	3.21E-08	5.4E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 31	8	4.22906703	-4.1125	3.56E-08	6.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 32	1	4.37003593	-1.4875	1.68E-05	2.8E-11	8.3E-12	1.9E-12	9.3E-12	3.5E-12	2.1E-12
Upper 32	2	4.37003593	-1.8625	4.24E-06	7.1E-12	2.1E-12	4.8E-13	2.4E-12	8.8E-13	5.4E-13
Upper 32	3	4.37003593	-2.2375	1.60E-06	2.7E-12	8.0E-13	1.8E-13	8.9E-13	3.3E-13	2.0E-13
Upper 32	4	4.37003593	-2.6125	1.97E-07	3.3E-13	9.8E-14	5.0E-14	1.1E-13	5.0E-14	5.0E-14
Upper 32	5	4.37003593	-2.9875	5.23E-06	8.8E-12	2.6E-12	5.9E-13	2.9E-12	1.1E-12	6.6E-13
Upper 32	6	4.37003593	-3.3625	-1.48E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 32	7	4.37003593	-3.7375	3.47E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 32	8	4.37003593	-4.1125	1.02E-07	1.7E-13	5.0E-14	5.0E-14	5.6E-14	5.0E-14	5.0E-14
Upper 33	1	4.51100484	-1.4875	1.90E-05	3.2E-11	9.4E-12	2.1E-12	1.1E-11	3.9E-12	2.4E-12
Upper 33	2	4.51100484	-1.8625	2.61E-05	4.4E-11	1.3E-11	3.0E-12	1.5E-11	5.4E-12	3.3E-12
Upper 33	3	4.51100484	-2.2375	1.65E-05	2.8E-11	8.2E-12	1.9E-12	9.2E-12	3.4E-12	2.1E-12
Upper 33	4	4.51100484	-2.6125	1.55E-05	2.6E-11	7.7E-12	1.8E-12	8.6E-12	3.2E-12	2.0E-12
Upper 33	5	4.51100484	-2.9875	1.60E-05	2.7E-11	7.9E-12	1.8E-12	8.9E-12	3.3E-12	2.0E-12
Upper 33	6	4.51100484	-3.3625	1.38E-06	2.3E-12	6.9E-13	1.6E-13	7.7E-13	2.9E-13	1.7E-13
Upper 33	7	4.51100484	-3.7375	7.20E-08	1.2E-13	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 33	8	4.51100484	-4.1125	2.97E-06	5.0E-12	1.5E-12	3.4E-13	1.7E-12	6.2E-13	3.8E-13
Upper 34	1	4.65197374	-1.4875	1.97E-05	3.3E-11	9.8E-12	2.2E-12	1.1E-11	4.1E-12	2.5E-12
Upper 34	2	4.65197374	-1.8625	2.46E-05	4.1E-11	1.2E-11	2.8E-12	1.4E-11	5.1E-12	3.1E-12
Upper 34	3	4.65197374	-2.2375	2.29E-05	3.8E-11	1.1E-11	2.6E-12	1.3E-11	4.8E-12	2.9E-12
Upper 34	4	4.65197374	-2.6125	2.04E-05	3.4E-11	1.0E-11	2.3E-12	1.1E-11	4.3E-12	2.6E-12
Upper 34	5	4.65197374	-2.9875	2.00E-05	3.4E-11	9.9E-12	2.3E-12	1.1E-11	4.2E-12	2.5E-12
Upper 34	6	4.65197374	-3.3625	1.41E-05	2.4E-11	7.0E-12	1.6E-12	7.9E-12	2.9E-12	1.8E-12
Upper 34	7	4.65197374	-3.7375	1.33E-05	2.2E-11	6.6E-12	1.5E-12	7.4E-12	2.8E-12	1.7E-12
Upper 34	8	4.65197374	-4.1125	3.23E-06	5.4E-12	1.6E-12	3.7E-13	1.8E-12	6.7E-13	4.1E-13
Upper 35	1	4.79294264	-1.4875	1.89E-05	3.2E-11	9.4E-12	2.1E-12	1.1E-11	3.9E-12	2.4E-12
Upper 35	2	4.79294264	-1.8625	2.70E-05	4.5E-11	1.3E-11	3.1E-12	1.5E-11	5.6E-12	3.4E-12
Upper 35	3	4.79294264	-2.2375	2.91E-05	4.9E-11	1.4E-11	3.3E-12	1.6E-11	6.1E-12	3.7E-12
Upper 35	4	4.79294264	-2.6125	1.38E-05	2.3E-11	6.9E-12	1.6E-12	7.7E-12	2.9E-12	1.7E-12
Upper 35	5	4.79294264	-2.9875	2.30E-05	3.9E-11	1.1E-11	2.6E-12	1.3E-11	4.8E-12	2.9E-12
Upper 35	6	4.79294264	-3.3625	1.80E-05	3.0E-11	8.9E-12	2.0E-12	1.0E-11	3.7E-12	2.3E-12
Upper 35	7	4.79294264	-3.7375	2.15E-05	3.6E-11	1.1E-11	2.4E-12	1.2E-11	4.5E-12	2.7E-12
Upper 35	8	4.79294264	-4.1125	2.19E-05	3.7E-11	1.1E-11	2.5E-12	1.2E-11	4.6E-12	2.8E-12

Plank	Diaper	O_length	Depth	Q_corrected	K_{max} (d=1.15)	K_{med} (d=1.15)	K_{min} (d=1.15)	K_{max} (d=5)	K_{med} (d=5)	K_{min} (d=5)
				(l/min)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)
	Distance from borehole centre:			d=	1.15	1.15	1.15	5	5	5
	Measurement limit K = 5E-14 m/s			Diaper area=	0.03465	0.03465	0.03465	0.03465	0.03465	0.03465
				P (m) in rock=	7.3	24.7	108	50	133.3	220
				Median K=	4.9E-13	1.5E-13	5.0E-14	1.6E-13	6.1E-14	5.0E-14
Upper 36	1	4.93391154	-1.4875	2.03E-05	3.4E-11	1.0E-11	2.3E-12	1.1E-11	4.2E-12	2.6E-12
Upper 36	2	4.93391154	-1.8625	1.01E-05	1.7E-11	5.0E-12	1.1E-12	5.6E-12	2.1E-12	1.3E-12
Upper 36	3	4.93391154	-2.2375	6.20E-07	1.0E-12	3.1E-13	7.0E-14	3.4E-13	1.3E-13	7.8E-14
Upper 36	4	4.93391154	-2.6125	3.73E-08	6.3E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 36	5	4.93391154	-2.9875	6.95E-07	1.2E-12	3.4E-13	7.9E-14	3.9E-13	1.4E-13	8.8E-14
Upper 36	6	4.93391154	-3.3625	1.64E-05	2.8E-11	8.2E-12	1.9E-12	9.1E-12	3.4E-12	2.1E-12
Upper 36	7	4.93391154	-3.7375	1.61E-05	2.7E-11	8.0E-12	1.8E-12	9.0E-12	3.4E-12	2.0E-12
Upper 36	8	4.93391154	-4.1125	6.55E-07	1.1E-12	3.2E-13	7.4E-14	3.6E-13	1.4E-13	8.3E-14
Upper 37	1	5.07488044	-1.4875	8.28E-07	1.4E-12	4.1E-13	9.4E-14	4.6E-13	1.7E-13	1.0E-13
Upper 37	2	5.07488044	-1.8625	-5.90E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 37	3	5.07488044	-2.2375	-5.64E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 37	4	5.07488044	-2.6125	-6.42E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 37	5	5.07488044	-2.9875	-1.30E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 37	6	5.07488044	-3.3625	2.66E-07	4.5E-13	1.3E-13	5.0E-14	1.5E-13	5.5E-14	5.0E-14
Upper 37	7	5.07488044	-3.7375	-1.01E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 37	8	5.07488044	-4.1125	-1.65E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 38	1	5.21584934	-1.4875	-4.60E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 38	2	5.21584934	-1.8625	-9.54E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 38	3	5.21584934	-2.2375	-1.16E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 38	4	5.21584934	-2.6125	-7.11E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 38	5	5.21584934	-2.9875	-4.08E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 38	6	5.21584934	-3.3625	-7.81E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 38	7	5.21584934	-3.7375	-5.64E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 38	8	5.21584934	-4.1125	-5.12E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 39	1	5.35681824	-1.4875	-1.40E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 39	2	5.35681824	-1.8625	-1.17E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 39	3	5.35681824	-2.2375	-1.21E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 39	4	5.35681824	-2.6125	-1.02E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 39	5	5.35681824	-2.9875	-8.68E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 39	6	5.35681824	-3.3625	-1.13E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 39	7	5.35681824	-3.7375	-4.69E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Upper 39	8	5.35681824	-4.1125	-8.24E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14

Plank	Diaper	O_length	Depth	Q_corrected	K_{max} (d=1.15)	K_{med} (d=1.15)	K_{min} (d=1.15)	K_{max} (d=5)	K_{med} (d=5)	K_{min} (d=5)
				(l/min)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)
	Distance from borehole centre:			d=	1.15	1.15	1.15	5	5	5
	Measurement limit K = 5E-14 m/s			Diaper area=	0.03465	0.03465	0.03465	0.03465	0.03465	0.03465
				P (m) in rock=	7.3	24.7	108	50	133.3	220
				Median K=	5.5E-13	1.6E-13	5.0E-14	1.8E-13	6.8E-14	5.0E-14
Lower 01	1	0	-4.7875	9.11E-08	1.5E-13	5.0E-14	5.0E-14	5.1E-14	5.0E-14	5.0E-14
Lower 01	2	0	-5.1625	-2.45E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 01	3	0	-5.5375	6.18E-08	1.0E-13	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 01	4	0	-5.9125	2.98E-06	5.0E-12	1.5E-12	3.4E-13	1.7E-12	6.2E-13	3.8E-13
Lower 01	5	0	-6.2875	3.40E-07	5.7E-13	1.7E-13	5.0E-14	1.9E-13	7.1E-14	5.0E-14
Lower 01	6	0	-6.6625	8.68E-07	1.5E-12	4.3E-13	9.8E-14	4.8E-13	1.8E-13	1.1E-13
Lower 01	7	0	-7.0375	5.13E-07	8.6E-13	2.5E-13	5.8E-14	2.8E-13	1.1E-13	6.5E-14
Lower 01	8	0	-7.4125	2.84E-07	4.8E-13	1.4E-13	5.0E-14	1.6E-13	5.9E-14	5.0E-14
Lower 02	1	0.1409689	-4.7875	2.31E-07	3.9E-13	1.1E-13	5.0E-14	1.3E-13	5.0E-14	5.0E-14
Lower 02	2	0.1409689	-5.1625	9.83E-08	1.6E-13	5.0E-14	5.0E-14	5.5E-14	5.0E-14	5.0E-14
Lower 02	3	0.1409689	-5.5375	1.44E-07	2.4E-13	7.2E-14	5.0E-14	8.0E-14	5.0E-14	5.0E-14
Lower 02	4	0.1409689	-5.9125	2.83E-06	4.7E-12	1.4E-12	3.2E-13	1.6E-12	5.9E-13	3.6E-13
Lower 02	5	0.1409689	-6.2875	3.12E-07	5.2E-13	1.5E-13	5.0E-14	1.7E-13	6.5E-14	5.0E-14
Lower 02	6	0.1409689	-6.6625	3.57E-06	6.0E-12	1.8E-12	4.0E-13	2.0E-12	7.4E-13	4.5E-13
Lower 02	7	0.1409689	-7.0375	1.08E-07	1.8E-13	5.3E-14	5.0E-14	6.0E-14	5.0E-14	5.0E-14
Lower 02	8	0.1409689	-7.4125	1.98E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 03	1	0.2819378	-4.7875	3.97E-07	6.7E-13	2.0E-13	5.0E-14	2.2E-13	8.3E-14	5.0E-14
Lower 03	2	0.2819378	-5.1625	1.13E-07	1.9E-13	5.6E-14	5.0E-14	6.3E-14	5.0E-14	5.0E-14
Lower 03	3	0.2819378	-5.5375	1.65E-07	2.8E-13	8.2E-14	5.0E-14	9.2E-14	5.0E-14	5.0E-14
Lower 03	4	0.2819378	-5.9125	4.00E-06	6.7E-12	2.0E-12	4.5E-13	2.2E-12	8.3E-13	5.0E-13
Lower 03	5	0.2819378	-6.2875	3.45E-06	5.8E-12	1.7E-12	3.9E-13	1.9E-12	7.2E-13	4.4E-13
Lower 03	6	0.2819378	-6.6625	2.90E-06	4.9E-12	1.4E-12	3.3E-13	1.6E-12	6.0E-13	3.7E-13
Lower 03	7	0.2819378	-7.0375	4.05E-08	6.8E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 03	8	0.2819378	-7.4125	-1.29E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 04	1	0.4229067	-4.7875	1.16E-06	1.9E-12	5.8E-13	1.3E-13	6.5E-13	2.4E-13	1.5E-13
Lower 04	2	0.4229067	-5.1625	7.86E-08	1.3E-13	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 04	3	0.4229067	-5.5375	1.28E-06	2.2E-12	6.4E-13	1.5E-13	7.1E-13	2.7E-13	1.6E-13
Lower 04	4	0.4229067	-5.9125	1.68E-05	2.8E-11	8.3E-12	1.9E-12	9.3E-12	3.5E-12	2.1E-12
Lower 04	5	0.4229067	-6.2875	3.12E-06	5.2E-12	1.5E-12	3.5E-13	1.7E-12	6.5E-13	3.9E-13
Lower 04	6	0.4229067	-6.6625	4.44E-08	7.4E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 04	7	0.4229067	-7.0375	-1.59E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 04	8	0.4229067	-7.4125	1.19E-07	2.0E-13	5.9E-14	5.0E-14	6.6E-14	5.0E-14	5.0E-14
Lower 05	1	0.5638756	-4.7875	3.40E-06	5.7E-12	1.7E-12	3.8E-13	1.9E-12	7.1E-13	4.3E-13
Lower 05	2	0.5638756	-5.1625	3.80E-07	6.4E-13	1.9E-13	5.0E-14	2.1E-13	7.9E-14	5.0E-14
Lower 05	3	0.5638756	-5.5375	3.69E-06	6.2E-12	1.8E-12	4.2E-13	2.1E-12	7.7E-13	4.7E-13
Lower 05	4	0.5638756	-5.9125	6.53E-06	1.1E-11	3.2E-12	7.4E-13	3.6E-12	1.4E-12	8.2E-13
Lower 05	5	0.5638756	-6.2875	5.55E-08	9.3E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 05	6	0.5638756	-6.6625	-2.54E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 05	7	0.5638756	-7.0375	8.41E-08	1.4E-13	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 05	8	0.5638756	-7.4125	2.53E-07	4.2E-13	1.3E-13	5.0E-14	1.4E-13	5.3E-14	5.0E-14
Lower 06	1	0.70484451	-4.7875	8.40E-07	1.4E-12	4.2E-13	9.5E-14	4.7E-13	1.8E-13	1.1E-13
Lower 06	2	0.70484451	-5.1625	1.39E-06	2.3E-12	6.9E-13	1.6E-13	7.7E-13	2.9E-13	1.8E-13
Lower 06	3	0.70484451	-5.5375	1.80E-06	3.0E-12	8.9E-13	2.0E-13	1.0E-12	3.8E-13	2.3E-13
Lower 06	4	0.70484451	-5.9125	2.06E-07	3.4E-13	1.0E-13	5.0E-14	1.1E-13	5.0E-14	5.0E-14
Lower 06	5	0.70484451	-6.2875	1.95E-07	3.3E-13	9.7E-14	5.0E-14	1.1E-13	5.0E-14	5.0E-14
Lower 06	6	0.70484451	-6.6625	3.52E-07	5.9E-13	1.7E-13	5.0E-14	2.0E-13	7.3E-14	5.0E-14
Lower 06	7	0.70484451	-7.0375	4.89E-07	8.2E-13	2.4E-13	5.5E-14	2.7E-13	1.0E-13	6.2E-14
Lower 06	8	0.70484451	-7.4125	2.39E-07	4.0E-13	1.2E-13	5.0E-14	1.3E-13	5.0E-14	5.0E-14
Lower 07	1	0.84581341	-4.7875	3.97E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 07	2	0.84581341	-5.1625	1.10E-07	1.8E-13	5.4E-14	5.0E-14	6.1E-14	5.0E-14	5.0E-14
Lower 07	3	0.84581341	-5.5375	8.67E-06	1.5E-11	4.3E-12	9.8E-13	4.8E-12	1.8E-12	1.1E-12
Lower 07	4	0.84581341	-5.9125	2.63E-06	4.4E-12	1.3E-12	3.0E-13	1.5E-12	5.5E-13	3.3E-13
Lower 07	5	0.84581341	-6.2875	4.38E-07	7.3E-13	2.2E-13	5.0E-14	2.4E-13	9.1E-14	5.5E-14
Lower 07	6	0.84581341	-6.6625	2.34E-07	3.9E-13	1.2E-13	5.0E-14	1.3E-13	5.0E-14	5.0E-14
Lower 07	7	0.84581341	-7.0375	7.14E-07	1.2E-12	3.5E-13	8.1E-14	4.0E-13	1.5E-13	9.0E-14
Lower 07	8	0.84581341	-7.4125	1.21E-07	2.0E-13	6.0E-14	5.0E-14	6.7E-14	5.0E-14	5.0E-14

Plank	Diaper	O_length	Depth	Q_corrected	K_{max} (d=1.15)	K_{med} (d=1.15)	K_{min} (d=1.15)	K_{max} (d=5)	K_{med} (d=5)	K_{min} (d=5)
				(l/min)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)
	Distance from borehole centre:			d=	1.15	1.15	1.15	5	5	5
	Measurement limit K = 5E-14 m/s			Diaper area=	0.03465	0.03465	0.03465	0.03465	0.03465	0.03465
				P (m) in rock=	7.3	24.7	108	50	133.3	220
				Median K=	5.5E-13	1.6E-13	5.0E-14	1.8E-13	6.9E-14	5.0E-14
Lower 08	1	0.98678231	-4.7875	-7.15E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 08	2	0.98678231	-5.1625	1.01E-07	1.7E-13	5.0E-14	5.0E-14	5.6E-14	5.0E-14	5.0E-14
Lower 08	3	0.98678231	-5.5375	5.23E-06	8.8E-12	2.6E-12	5.9E-13	2.9E-12	1.1E-12	6.6E-13
Lower 08	4	0.98678231	-5.9125	7.94E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 08	5	0.98678231	-6.2875	-4.53E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 08	6	0.98678231	-6.6625	-6.12E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 08	7	0.98678231	-7.0375	-3.52E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 08	8	0.98678231	-7.4125	2.18E-07	3.6E-13	1.1E-13	5.0E-14	1.2E-13	5.0E-14	5.0E-14
Lower 09	1	1.12775121	-4.7875	-8.18E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 09	2	1.12775121	-5.1625	1.59E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 09	3	1.12775121	-5.5375	4.85E-07	8.1E-13	2.4E-13	5.5E-14	2.7E-13	1.0E-13	6.1E-14
Lower 09	4	1.12775121	-5.9125	4.85E-08	8.1E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 09	5	1.12775121	-6.2875	3.18E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 09	6	1.12775121	-6.6625	2.21E-07	3.7E-13	1.1E-13	5.0E-14	1.2E-13	5.0E-14	5.0E-14
Lower 09	7	1.12775121	-7.0375	2.86E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 09	8	1.12775121	-7.4125	1.67E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 10	1	1.26872011	-4.7875	-7.94E-10	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 10	2	1.26872011	-5.1625	4.93E-08	8.3E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 10	3	1.26872011	-5.5375	8.34E-08	1.4E-13	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 10	4	1.26872011	-5.9125	5.01E-07	8.4E-13	2.5E-13	5.7E-14	2.8E-13	1.0E-13	6.3E-14
Lower 10	5	1.26872011	-6.2875	2.38E-07	4.0E-13	1.2E-13	5.0E-14	1.3E-13	5.0E-14	5.0E-14
Lower 10	6	1.26872011	-6.6625	3.03E-07	5.1E-13	1.5E-13	5.0E-14	1.7E-13	6.3E-14	5.0E-14
Lower 10	7	1.26872011	-7.0375	3.89E-08	6.5E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 10	8	1.26872011	-7.4125	9.77E-08	1.6E-13	5.0E-14	5.0E-14	5.4E-14	5.0E-14	5.0E-14
Lower 11	1	1.40968901	-4.7875	1.81E-06	3.0E-12	9.0E-13	2.0E-13	1.0E-12	3.8E-13	2.3E-13
Lower 11	2	1.40968901	-5.1625	6.05E-06	1.0E-11	3.0E-12	6.8E-13	3.4E-12	1.3E-12	7.6E-13
Lower 11	3	1.40968901	-5.5375	1.01E-06	1.7E-12	5.0E-13	1.1E-13	5.6E-13	2.1E-13	1.3E-13
Lower 11	4	1.40968901	-5.9125	5.08E-07	8.5E-13	2.5E-13	5.8E-14	2.8E-13	1.1E-13	6.4E-14
Lower 11	5	1.40968901	-6.2875	8.75E-07	1.5E-12	4.3E-13	9.9E-14	4.9E-13	1.8E-13	1.1E-13
Lower 11	6	1.40968901	-6.6625	4.59E-07	7.7E-13	2.3E-13	5.2E-14	2.5E-13	9.6E-14	5.8E-14
Lower 11	7	1.40968901	-7.0375	2.64E-07	4.4E-13	1.3E-13	5.0E-14	1.5E-13	5.5E-14	5.0E-14
Lower 11	8	1.40968901	-7.4125	3.19E-07	5.3E-13	1.6E-13	5.0E-14	1.8E-13	6.6E-14	5.0E-14
Lower 12	1	1.55065791	-4.7875	1.79E-05	3.0E-11	8.9E-12	2.0E-12	9.9E-12	3.7E-12	2.3E-12
Lower 12	2	1.55065791	-5.1625	1.05E-05	1.8E-11	5.2E-12	1.2E-12	5.8E-12	2.2E-12	1.3E-12
Lower 12	3	1.55065791	-5.5375	9.83E-06	1.6E-11	4.9E-12	1.1E-12	5.5E-12	2.0E-12	1.2E-12
Lower 12	4	1.55065791	-5.9125	1.05E-05	1.8E-11	5.2E-12	1.2E-12	5.9E-12	2.2E-12	1.3E-12
Lower 12	5	1.55065791	-6.2875	1.78E-05	3.0E-11	8.8E-12	2.0E-12	9.9E-12	3.7E-12	2.2E-12
Lower 12	6	1.55065791	-6.6625	1.16E-05	1.9E-11	5.8E-12	1.3E-12	6.4E-12	2.4E-12	1.5E-12
Lower 12	7	1.55065791	-7.0375	1.47E-05	2.5E-11	7.3E-12	1.7E-12	8.2E-12	3.1E-12	1.9E-12
Lower 12	8	1.55065791	-7.4125	1.76E-05	3.0E-11	8.7E-12	2.0E-12	9.8E-12	3.7E-12	2.2E-12
Lower 13	1	1.69162681	-4.7875	1.77E-07	3.0E-13	8.8E-14	5.0E-14	9.8E-14	5.0E-14	5.0E-14
Lower 13	2	1.69162681	-5.1625	4.14E-08	6.9E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 13	3	1.69162681	-5.5375	1.18E-06	2.0E-12	5.9E-13	1.3E-13	6.6E-13	2.5E-13	1.5E-13
Lower 13	4	1.69162681	-5.9125	9.38E-08	1.6E-13	5.0E-14	5.0E-14	5.2E-14	5.0E-14	5.0E-14
Lower 13	5	1.69162681	-6.2875	1.27E-07	2.1E-13	6.3E-14	5.0E-14	7.0E-14	5.0E-14	5.0E-14
Lower 13	6	1.69162681	-6.6625	2.41E-07	4.0E-13	1.2E-13	5.0E-14	1.3E-13	5.0E-14	5.0E-14
Lower 13	7	1.69162681	-7.0375	1.63E-07	2.7E-13	8.1E-14	5.0E-14	9.1E-14	5.0E-14	5.0E-14
Lower 13	8	1.69162681	-7.4125	3.30E-07	5.5E-13	1.6E-13	5.0E-14	1.8E-13	6.9E-14	5.0E-14
Lower 14	1	1.83259571	-4.7875	4.70E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 14	2	1.83259571	-5.1625	5.87E-08	9.8E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 14	3	1.83259571	-5.5375	2.72E-07	4.6E-13	1.4E-13	5.0E-14	1.5E-13	5.7E-14	5.0E-14
Lower 14	4	1.83259571	-5.9125	4.23E-07	7.1E-13	2.1E-13	5.0E-14	2.3E-13	8.8E-14	5.3E-14
Lower 14	5	1.83259571	-6.2875	1.35E-07	2.3E-13	6.7E-14	5.0E-14	7.5E-14	5.0E-14	5.0E-14
Lower 14	6	1.83259571	-6.6625	9.47E-08	1.6E-13	5.0E-14	5.0E-14	5.3E-14	5.0E-14	5.0E-14
Lower 14	7	1.83259571	-7.0375	2.50E-07	4.2E-13	1.2E-13	5.0E-14	1.4E-13	5.2E-14	5.0E-14
Lower 14	8	1.83259571	-7.4125	2.50E-07	4.2E-13	1.2E-13	5.0E-14	1.4E-13	5.2E-14	5.0E-14

Plank	Diaper	O_length	Depth	Q_corrected	K_{max} (d=1.15)	K_{med} (d=1.15)	K_{min} (d=1.15)	K_{max} (d=5)	K_{med} (d=5)	K_{min} (d=5)
				(l/min)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)
	Distance from borehole centre:			d=	1.15	1.15	1.15	5	5	5
	Measurement limit K = 5E-14 m/s			Diaper area=	0.03465	0.03465	0.03465	0.03465	0.03465	0.03465
				P (m) in rock=	7.3	24.7	108	50	133.3	220
				Median K=	7.6E-13	2.3E-13	5.2E-14	2.5E-13	9.5E-14	5.7E-14
Lower 15	1	1.97356462	-4.7875	1.65E-05	2.8E-11	8.2E-12	1.9E-12	9.2E-12	3.4E-12	2.1E-12
Lower 15	2	1.97356462	-5.1625	1.68E-05	2.8E-11	8.3E-12	1.9E-12	9.3E-12	3.5E-12	2.1E-12
Lower 15	3	1.97356462	-5.5375	1.52E-05	2.5E-11	7.5E-12	1.7E-12	8.4E-12	3.2E-12	1.9E-12
Lower 15	4	1.97356462	-5.9125	1.37E-05	2.3E-11	6.8E-12	1.6E-12	7.6E-12	2.9E-12	1.7E-12
Lower 15	5	1.97356462	-6.2875	8.03E-06	1.3E-11	4.0E-12	9.1E-13	4.5E-12	1.7E-12	1.0E-12
Lower 15	6	1.97356462	-6.6625	1.05E-05	1.8E-11	5.2E-12	1.2E-12	5.8E-12	2.2E-12	1.3E-12
Lower 15	7	1.97356462	-7.0375	1.56E-05	2.6E-11	7.7E-12	1.8E-12	8.6E-12	3.2E-12	2.0E-12
Lower 15	8	1.97356462	-7.4125	1.61E-05	2.7E-11	8.0E-12	1.8E-12	8.9E-12	3.3E-12	2.0E-12
Lower 16	1	2.11453352	-4.7875	1.52E-05	2.5E-11	7.5E-12	1.7E-12	8.4E-12	3.2E-12	1.9E-12
Lower 16	2	2.11453352	-5.1625	1.60E-05	2.7E-11	7.9E-12	1.8E-12	8.9E-12	3.3E-12	2.0E-12
Lower 16	3	2.11453352	-5.5375	1.47E-05	2.5E-11	7.3E-12	1.7E-12	8.2E-12	3.1E-12	1.9E-12
Lower 16	4	2.11453352	-5.9125	2.89E-06	4.9E-12	1.4E-12	3.3E-13	1.6E-12	6.0E-13	3.7E-13
Lower 16	5	2.11453352	-6.2875	4.72E-07	7.9E-13	2.3E-13	5.4E-14	2.6E-13	9.8E-14	6.0E-14
Lower 16	6	2.11453352	-6.6625	1.09E-07	1.8E-13	5.4E-14	5.0E-14	6.1E-14	5.0E-14	5.0E-14
Lower 16	7	2.11453352	-7.0375	7.85E-08	1.3E-13	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 16	8	2.11453352	-7.4125	6.73E-06	1.1E-11	3.3E-12	7.6E-13	3.7E-12	1.4E-12	8.5E-13
Lower 17	1	2.25550242	-4.7875	-6.89E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 17	2	2.25550242	-5.1625	3.10E-07	5.2E-13	1.5E-13	5.0E-14	1.7E-13	6.5E-14	5.0E-14
Lower 17	3	2.25550242	-5.5375	8.17E-08	1.4E-13	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 17	4	2.25550242	-5.9125	-1.36E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 17	5	2.25550242	-6.2875	3.49E-08	5.8E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 17	6	2.25550242	-6.6625	9.19E-08	1.5E-13	5.0E-14	5.0E-14	5.1E-14	5.0E-14	5.0E-14
Lower 17	7	2.25550242	-7.0375	-4.43E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 17	8	2.25550242	-7.4125	4.85E-08	8.1E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 18	1	2.39647132	-4.7875	-1.40E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 18	2	2.39647132	-5.1625	5.70E-08	9.6E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 18	3	2.39647132	-5.5375	8.93E-08	1.5E-13	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 18	4	2.39647132	-5.9125	-5.53E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 18	5	2.39647132	-6.2875	9.53E-08	1.6E-13	5.0E-14	5.0E-14	5.3E-14	5.0E-14	5.0E-14
Lower 18	6	2.39647132	-6.6625	-4.25E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 18	7	2.39647132	-7.0375	-6.04E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 18	8	2.39647132	-7.4125	4.59E-08	7.7E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 19	1	2.53744022	-4.7875	-6.51E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 19	2	2.53744022	-5.1625	-9.16E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 19	3	2.53744022	-5.5375	-1.84E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 19	4	2.53744022	-5.9125	-3.07E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 19	5	2.53744022	-6.2875	1.72E-07	2.9E-13	8.5E-14	5.0E-14	9.6E-14	5.0E-14	5.0E-14
Lower 19	6	2.53744022	-6.6625	3.28E-07	5.5E-13	1.6E-13	5.0E-14	1.8E-13	6.8E-14	5.0E-14
Lower 19	7	2.53744022	-7.0375	1.64E-07	2.8E-13	8.2E-14	5.0E-14	9.1E-14	5.0E-14	5.0E-14
Lower 19	8	2.53744022	-7.4125	1.24E-06	2.1E-12	6.1E-13	1.4E-13	6.9E-13	2.6E-13	1.6E-13
Lower 20	1	2.67840912	-4.7875	9.27E-06	1.6E-11	4.6E-12	1.1E-12	5.2E-12	1.9E-12	1.2E-12
Lower 20	2	2.67840912	-5.1625	1.81E-07	3.0E-13	9.0E-14	5.0E-14	1.0E-13	5.0E-14	5.0E-14
Lower 20	3	2.67840912	-5.5375	2.47E-06	4.1E-12	1.2E-12	2.8E-13	1.4E-12	5.1E-13	3.1E-13
Lower 20	4	2.67840912	-5.9125	1.98E-06	3.3E-12	9.8E-13	2.2E-13	1.1E-12	4.1E-13	2.5E-13
Lower 20	5	2.67840912	-6.2875	1.12E-05	1.9E-11	5.6E-12	1.3E-12	6.2E-12	2.3E-12	1.4E-12
Lower 20	6	2.67840912	-6.6625	5.76E-06	9.7E-12	2.9E-12	6.5E-13	3.2E-12	1.2E-12	7.3E-13
Lower 20	7	2.67840912	-7.0375	1.85E-05	3.1E-11	9.2E-12	2.1E-12	1.0E-11	3.8E-12	2.3E-12
Lower 20	8	2.67840912	-7.4125	5.76E-06	9.7E-12	2.9E-12	6.5E-13	3.2E-12	1.2E-12	7.3E-13
Lower 21	1	2.81937802	-4.7875	8.96E-06	1.5E-11	4.4E-12	1.0E-12	5.0E-12	1.9E-12	1.1E-12
Lower 21	2	2.81937802	-5.1625	9.01E-06	1.5E-11	4.5E-12	1.0E-12	5.0E-12	1.9E-12	1.1E-12
Lower 21	3	2.81937802	-5.5375	1.04E-05	1.7E-11	5.1E-12	1.2E-12	5.7E-12	2.2E-12	1.3E-12
Lower 21	4	2.81937802	-5.9125	1.36E-05	2.3E-11	6.7E-12	1.5E-12	7.5E-12	2.8E-12	1.7E-12
Lower 21	5	2.81937802	-6.2875	1.37E-05	2.3E-11	6.8E-12	1.6E-12	7.6E-12	2.9E-12	1.7E-12
Lower 21	6	2.81937802	-6.6625	1.52E-05	2.5E-11	7.5E-12	1.7E-12	8.4E-12	3.2E-12	1.9E-12
Lower 21	7	2.81937802	-7.0375	2.18E-05	3.7E-11	1.1E-11	2.5E-12	1.2E-11	4.5E-12	2.8E-12
Lower 21	8	2.81937802	-7.4125	2.37E-05	4.0E-11	1.2E-11	2.7E-12	1.3E-11	4.9E-12	3.0E-12

Plank	Diaper	O_length	Depth	Q_corrected	K_{max} (d=1.15)	K_{med} (d=1.15)	K_{min} (d=1.15)	K_{max} (d=5)	K_{med} (d=5)	K_{min} (d=5)
				(l/min)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)
	Distance from borehole centre:			d=	1.15	1.15	1.15	5	5	5
	Measurement limit K = 5E-14 m/s			Diaper area=	0.03465	0.03465	0.03465	0.03465	0.03465	0.03465
				P (m) in rock=	7.3	24.7	108	50	133.3	220
				Median K=	7.4E-13	2.2E-13	5.0E-14	2.4E-13	9.2E-14	5.6E-14
Lower 22	1	2.96034692	-4.7875	8.10E-06	1.4E-11	4.0E-12	9.2E-13	4.5E-12	1.7E-12	1.0E-12
Lower 22	2	2.96034692	-5.1625	1.25E-05	2.1E-11	6.2E-12	1.4E-12	7.0E-12	2.6E-12	1.6E-12
Lower 22	3	2.96034692	-5.5375	2.48E-05	4.2E-11	1.2E-11	2.8E-12	1.4E-11	5.2E-12	3.1E-12
Lower 22	4	2.96034692	-5.9125	2.13E-05	3.6E-11	1.1E-11	2.4E-12	1.2E-11	4.4E-12	2.7E-12
Lower 22	5	2.96034692	-6.2875	2.67E-05	4.5E-11	1.3E-11	3.0E-12	1.5E-11	5.6E-12	3.4E-12
Lower 22	6	2.96034692	-6.6625	2.65E-05	4.4E-11	1.3E-11	3.0E-12	1.5E-11	5.5E-12	3.3E-12
Lower 22	7	2.96034692	-7.0375	2.32E-05	3.9E-11	1.1E-11	2.6E-12	1.3E-11	4.8E-12	2.9E-12
Lower 22	8	2.96034692	-7.4125	2.18E-05	3.7E-11	1.1E-11	2.5E-12	1.2E-11	4.5E-12	2.8E-12
Lower 23	1	3.10131582	-4.7875	2.01E-05	3.4E-11	1.0E-11	2.3E-12	1.1E-11	4.2E-12	2.5E-12
Lower 23	2	3.10131582	-5.1625	2.43E-05	4.1E-11	1.2E-11	2.7E-12	1.3E-11	5.1E-12	3.1E-12
Lower 23	3	3.10131582	-5.5375	2.11E-05	3.5E-11	1.0E-11	2.4E-12	1.2E-11	4.4E-12	2.7E-12
Lower 23	4	3.10131582	-5.9125	1.79E-05	3.0E-11	8.9E-12	2.0E-12	9.9E-12	3.7E-12	2.3E-12
Lower 23	5	3.10131582	-6.2875	2.06E-05	3.5E-11	1.0E-11	2.3E-12	1.1E-11	4.3E-12	2.6E-12
Lower 23	6	3.10131582	-6.6625	2.28E-05	3.8E-11	1.1E-11	2.6E-12	1.3E-11	4.7E-12	2.9E-12
Lower 23	7	3.10131582	-7.0375	2.04E-05	3.4E-11	1.0E-11	2.3E-12	1.1E-11	4.3E-12	2.6E-12
Lower 23	8	3.10131582	-7.4125	2.12E-05	3.6E-11	1.1E-11	2.4E-12	1.2E-11	4.4E-12	2.7E-12
Lower 24	1	3.24228473	-4.7875	9.66E-06	1.6E-11	4.8E-12	1.1E-12	5.4E-12	2.0E-12	1.2E-12
Lower 24	2	3.24228473	-5.1625	7.15E-06	1.2E-11	3.5E-12	8.1E-13	4.0E-12	1.5E-12	9.0E-13
Lower 24	3	3.24228473	-5.5375	1.91E-06	3.2E-12	9.5E-13	2.2E-13	1.1E-12	4.0E-13	2.4E-13
Lower 24	4	3.24228473	-5.9125	2.44E-06	4.1E-12	1.2E-12	2.8E-13	1.4E-12	5.1E-13	3.1E-13
Lower 24	5	3.24228473	-6.2875	4.35E-07	7.3E-13	2.2E-13	5.0E-14	2.4E-13	9.1E-14	5.5E-14
Lower 24	6	3.24228473	-6.6625	1.22E-05	2.0E-11	6.0E-12	1.4E-12	6.8E-12	2.5E-12	1.5E-12
Lower 24	7	3.24228473	-7.0375	1.66E-05	2.8E-11	8.3E-12	1.9E-12	9.2E-12	3.5E-12	2.1E-12
Lower 24	8	3.24228473	-7.4125	5.61E-06	9.4E-12	2.8E-12	6.4E-13	3.1E-12	1.2E-12	7.1E-13
Lower 25	1	3.38325363	-4.7875	6.99E-08	1.2E-13	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 25	2	3.38325363	-5.1625	-7.33E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 25	3	3.38325363	-5.5375	6.91E-08	1.2E-13	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 25	4	3.38325363	-5.9125	1.02E-07	1.7E-13	5.1E-14	5.0E-14	5.7E-14	5.0E-14	5.0E-14
Lower 25	5	3.38325363	-6.2875	-6.82E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 25	6	3.38325363	-6.6625	1.85E-07	3.1E-13	9.2E-14	5.0E-14	1.0E-13	5.0E-14	5.0E-14
Lower 25	7	3.38325363	-7.0375	1.79E-05	3.0E-11	8.9E-12	2.0E-12	9.9E-12	3.7E-12	2.3E-12
Lower 25	8	3.38325363	-7.4125	2.06E-05	3.5E-11	1.0E-11	2.3E-12	1.1E-11	4.3E-12	2.6E-12
Lower 26	1	3.52422253	-4.7875	4.79E-08	8.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 26	2	3.52422253	-5.1625	1.49E-07	2.5E-13	7.4E-14	5.0E-14	8.3E-14	5.0E-14	5.0E-14
Lower 26	3	3.52422253	-5.5375	-1.02E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 26	4	3.52422253	-5.9125	4.51E-07	7.6E-13	2.2E-13	5.1E-14	2.5E-13	9.4E-14	5.7E-14
Lower 26	5	3.52422253	-6.2875	5.86E-08	9.8E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 26	6	3.52422253	-6.6625	-2.06E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 26	7	3.52422253	-7.0375	1.39E-05	2.3E-11	6.9E-12	1.6E-12	7.7E-12	2.9E-12	1.7E-12
Lower 26	8	3.52422253	-7.4125	2.10E-05	3.5E-11	1.0E-11	2.4E-12	1.2E-11	4.4E-12	2.6E-12
Lower 27	1	3.66519143	-4.7875	-2.05E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 27	2	3.66519143	-5.1625	3.15E-07	5.3E-13	1.6E-13	5.0E-14	1.8E-13	6.6E-14	5.0E-14
Lower 27	3	3.66519143	-5.5375	1.64E-07	2.7E-13	8.1E-14	5.0E-14	9.1E-14	5.0E-14	5.0E-14
Lower 27	4	3.66519143	-5.9125	8.08E-07	1.4E-12	4.0E-13	9.2E-14	4.5E-13	1.7E-13	1.0E-13
Lower 27	5	3.66519143	-6.2875	1.32E-06	2.2E-12	6.5E-13	1.5E-13	7.3E-13	2.7E-13	1.7E-13
Lower 27	6	3.66519143	-6.6625	4.59E-07	7.7E-13	2.3E-13	5.2E-14	2.5E-13	9.6E-14	5.8E-14
Lower 27	7	3.66519143	-7.0375	1.57E-06	2.6E-12	7.8E-13	1.8E-13	8.7E-13	3.3E-13	2.0E-13
Lower 27	8	3.66519143	-7.4125	1.54E-06	2.6E-12	7.6E-13	1.7E-13	8.6E-13	3.2E-13	1.9E-13
Lower 28	1	3.80616033	-4.7875	5.64E-08	9.5E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 28	2	3.80616033	-5.1625	5.04E-08	8.5E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 28	3	3.80616033	-5.5375	7.02E-07	1.2E-12	3.5E-13	8.0E-14	3.9E-13	1.5E-13	8.9E-14
Lower 28	4	3.80616033	-5.9125	9.61E-07	1.6E-12	4.8E-13	1.1E-13	5.3E-13	2.0E-13	1.2E-13
Lower 28	5	3.80616033	-6.2875	4.60E-06	7.7E-12	2.3E-12	5.2E-13	2.6E-12	9.6E-13	5.8E-13
Lower 28	6	3.80616033	-6.6625	5.97E-07	1.0E-12	3.0E-13	6.8E-14	3.3E-13	1.2E-13	7.5E-14
Lower 28	7	3.80616033	-7.0375	2.74E-07	4.6E-13	1.4E-13	5.0E-14	1.5E-13	5.7E-14	5.0E-14
Lower 28	8	3.80616033	-7.4125	6.62E-07	1.1E-12	3.3E-13	7.5E-14	3.7E-13	1.4E-13	8.4E-14

Plank	Diaper	O_length	Depth	Q_corrected	K_{max} (d=1.15)	K_{med} (d=1.15)	K_{min} (d=1.15)	K_{max} (d=5)	K_{med} (d=5)	K_{min} (d=5)
				(l/min)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)
	Distance from borehole centre:			d=	1.15	1.15	1.15	5	5	5
	Measurement limit K = 5E-14 m/s			Diaper area=	0.03465	0.03465	0.03465	0.03465	0.03465	0.03465
				P (m) in rock=	7.3	24.7	108	50	133.3	220
				Median K=	4.7E-13	1.4E-13	5.0E-14	1.5E-13	5.8E-14	5.0E-14
Lower 29	1	3.94712923	-4.7875	8.64E-08	1.4E-13	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 29	2	3.94712923	-5.1625	-1.88E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 29	3	3.94712923	-5.5375	3.09E-07	5.2E-13	1.5E-13	5.0E-14	1.7E-13	6.4E-14	5.0E-14
Lower 29	4	3.94712923	-5.9125	1.36E-06	2.3E-12	6.8E-13	1.5E-13	7.6E-13	2.8E-13	1.7E-13
Lower 29	5	3.94712923	-6.2875	8.52E-06	1.4E-11	4.2E-12	9.7E-13	4.7E-12	1.8E-12	1.1E-12
Lower 29	6	3.94712923	-6.6625	9.40E-07	1.6E-12	4.7E-13	1.1E-13	5.2E-13	2.0E-13	1.2E-13
Lower 29	7	3.94712923	-7.0375	9.74E-07	1.6E-12	4.8E-13	1.1E-13	5.4E-13	2.0E-13	1.2E-13
Lower 29	8	3.94712923	-7.4125	2.03E-05	3.4E-11	1.0E-11	2.3E-12	1.1E-11	4.2E-12	2.6E-12
Lower 30	1	4.08809813	-4.7875	4.37E-08	7.3E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 30	2	4.08809813	-5.1625	-6.86E-09	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 30	3	4.08809813	-5.5375	5.42E-07	9.1E-13	2.7E-13	6.1E-14	3.0E-13	1.1E-13	6.8E-14
Lower 30	4	4.08809813	-5.9125	9.84E-07	1.6E-12	4.9E-13	1.1E-13	5.5E-13	2.0E-13	1.2E-13
Lower 30	5	4.08809813	-6.2875	7.74E-06	1.3E-11	3.8E-12	8.8E-13	4.3E-12	1.6E-12	9.8E-13
Lower 30	6	4.08809813	-6.6625	1.14E-06	1.9E-12	5.7E-13	1.3E-13	6.3E-13	2.4E-13	1.4E-13
Lower 30	7	4.08809813	-7.0375	3.69E-06	6.2E-12	1.8E-12	4.2E-13	2.0E-12	7.7E-13	4.7E-13
Lower 30	8	4.08809813	-7.4125	1.70E-05	2.8E-11	8.4E-12	1.9E-12	9.4E-12	3.5E-12	2.1E-12
Lower 31	1	4.22906703	-4.7875	5.92E-08	9.9E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 31	2	4.22906703	-5.1625	1.37E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 31	3	4.22906703	-5.5375	1.03E-06	1.7E-12	5.1E-13	1.2E-13	5.7E-13	2.1E-13	1.3E-13
Lower 31	4	4.22906703	-5.9125	1.59E-07	2.7E-13	7.9E-14	5.0E-14	8.8E-14	5.0E-14	5.0E-14
Lower 31	5	4.22906703	-6.2875	2.41E-06	4.0E-12	1.2E-12	2.7E-13	1.3E-12	5.0E-13	3.0E-13
Lower 31	6	4.22906703	-6.6625	2.97E-07	5.0E-13	1.5E-13	5.0E-14	1.6E-13	6.2E-14	5.0E-14
Lower 31	7	4.22906703	-7.0375	2.73E-07	4.6E-13	1.4E-13	5.0E-14	1.5E-13	5.7E-14	5.0E-14
Lower 31	8	4.22906703	-7.4125	1.71E-07	2.9E-13	8.5E-14	5.0E-14	9.5E-14	5.0E-14	5.0E-14
Lower 32	1	4.37003593	-4.7875	8.06E-08	1.4E-13	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 32	2	4.37003593	-5.1625	3.26E-08	5.5E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 32	3	4.37003593	-5.5375	6.49E-07	1.1E-12	3.2E-13	7.4E-14	3.6E-13	1.4E-13	8.2E-14
Lower 32	4	4.37003593	-5.9125	1.83E-07	3.1E-13	9.1E-14	5.0E-14	1.0E-13	5.0E-14	5.0E-14
Lower 32	5	4.37003593	-6.2875	2.00E-06	3.3E-12	9.9E-13	2.3E-13	1.1E-12	4.2E-13	2.5E-13
Lower 32	6	4.37003593	-6.6625	2.66E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 32	7	4.37003593	-7.0375	1.30E-07	2.2E-13	6.4E-14	5.0E-14	7.2E-14	5.0E-14	5.0E-14
Lower 32	8	4.37003593	-7.4125	8.41E-08	1.4E-13	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 33	1	4.51100484	-4.7875	2.75E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 33	2	4.51100484	-5.1625	1.29E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 33	3	4.51100484	-5.5375	3.42E-07	5.7E-13	1.7E-13	5.0E-14	1.9E-13	7.1E-14	5.0E-14
Lower 33	4	4.51100484	-5.9125	3.82E-07	6.4E-13	1.9E-13	5.0E-14	2.1E-13	8.0E-14	5.0E-14
Lower 33	5	4.51100484	-6.2875	7.39E-06	1.2E-11	3.7E-12	8.4E-13	4.1E-12	1.5E-12	9.3E-13
Lower 33	6	4.51100484	-6.6625	5.82E-07	9.8E-13	2.9E-13	6.6E-14	3.2E-13	1.2E-13	7.3E-14
Lower 33	7	4.51100484	-7.0375	3.69E-07	6.2E-13	1.8E-13	5.0E-14	2.0E-13	7.7E-14	5.0E-14
Lower 33	8	4.51100484	-7.4125	5.70E-07	9.6E-13	2.8E-13	6.5E-14	3.2E-13	1.2E-13	7.2E-14
Lower 34	1	4.65197374	-4.7875	1.04E-06	1.7E-12	5.1E-13	1.2E-13	5.8E-13	2.2E-13	1.3E-13
Lower 34	2	4.65197374	-5.1625	3.95E-08	6.6E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 34	3	4.65197374	-5.5375	1.50E-06	2.5E-12	7.4E-13	1.7E-13	8.3E-13	3.1E-13	1.9E-13
Lower 34	4	4.65197374	-5.9125	1.75E-06	2.9E-12	8.7E-13	2.0E-13	9.7E-13	3.6E-13	2.2E-13
Lower 34	5	4.65197374	-6.2875	1.24E-05	2.1E-11	6.1E-12	1.4E-12	6.9E-12	2.6E-12	1.6E-12
Lower 34	6	4.65197374	-6.6625	2.69E-05	4.5E-11	1.3E-11	3.0E-12	1.5E-11	5.6E-12	3.4E-12
Lower 34	7	4.65197374	-7.0375	2.18E-05	3.7E-11	1.1E-11	2.5E-12	1.2E-11	4.5E-12	2.8E-12
Lower 34	8	4.65197374	-7.4125	1.77E-05	3.0E-11	8.8E-12	2.0E-12	9.8E-12	3.7E-12	2.2E-12
Lower 35	1	4.79294264	-4.7875	2.35E-05	3.9E-11	1.2E-11	2.7E-12	1.3E-11	4.9E-12	3.0E-12
Lower 35	2	4.79294264	-5.1625	3.23E-07	5.4E-13	1.6E-13	5.0E-14	1.8E-13	6.7E-14	5.0E-14
Lower 35	3	4.79294264	-5.5375	1.28E-06	2.2E-12	6.4E-13	1.5E-13	7.1E-13	2.7E-13	1.6E-13
Lower 35	4	4.79294264	-5.9125	7.45E-06	1.2E-11	3.7E-12	8.4E-13	4.1E-12	1.6E-12	9.4E-13
Lower 35	5	4.79294264	-6.2875	1.47E-06	2.5E-12	7.3E-13	1.7E-13	8.2E-13	3.1E-13	1.9E-13
Lower 35	6	4.79294264	-6.6625	6.42E-07	1.1E-12	3.2E-13	7.3E-14	3.6E-13	1.3E-13	8.1E-14
Lower 35	7	4.79294264	-7.0375	2.70E-07	4.5E-13	1.3E-13	5.0E-14	1.5E-13	5.6E-14	5.0E-14
Lower 35	8	4.79294264	-7.4125	2.83E-07	4.7E-13	1.4E-13	5.0E-14	1.6E-13	5.9E-14	5.0E-14

Plank	Diaper	O_length	Depth	Q_corrected	K_{max} (d=1.15)	K_{med} (d=1.15)	K_{min} (d=1.15)	K_{max} (d=5)	K_{med} (d=5)	K_{min} (d=5)
				(l/min)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)	(m/s)
	Distance from borehole centre:			d=	1.15	1.15	1.15	5	5	5
	Measurement limit K = 5E-14 m/s			Diaper area=	0.03465	0.03465	0.03465	0.03465	0.03465	0.03465
				P (m) in rock=	7.3	24.7	108	50	133.3	220
				Median K=	1.0E-13	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 36	1	4.93391154	-4.7875	8.60E-10	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 36	2	4.93391154	-5.1625	-4.64E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 36	3	4.93391154	-5.5375	2.24E-07	3.7E-13	1.1E-13	5.0E-14	1.2E-13	5.0E-14	5.0E-14
Lower 36	4	4.93391154	-5.9125	3.78E-07	6.3E-13	1.9E-13	5.0E-14	2.1E-13	7.9E-14	5.0E-14
Lower 36	5	4.93391154	-6.2875	2.15E-07	3.6E-13	1.1E-13	5.0E-14	1.2E-13	5.0E-14	5.0E-14
Lower 36	6	4.93391154	-6.6625	6.19E-08	1.0E-13	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 36	7	4.93391154	-7.0375	9.63E-08	1.6E-13	5.0E-14	5.0E-14	5.3E-14	5.0E-14	5.0E-14
Lower 36	8	4.93391154	-7.4125	4.64E-08	7.8E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 37	1	5.07488044	-4.7875	-9.13E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 37	2	5.07488044	-5.1625	-8.27E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 37	3	5.07488044	-5.5375	-5.43E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 37	4	5.07488044	-5.9125	-3.01E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 37	5	5.07488044	-6.2875	2.50E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 37	6	5.07488044	-6.6625	2.15E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 37	7	5.07488044	-7.0375	1.22E-07	2.1E-13	6.1E-14	5.0E-14	6.8E-14	5.0E-14	5.0E-14
Lower 37	8	5.07488044	-7.4125	4.47E-07	7.5E-13	2.2E-13	5.1E-14	2.5E-13	9.3E-14	5.6E-14
Lower 38	1	5.21584934	-4.7875	-7.76E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 38	2	5.21584934	-5.1625	-7.76E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 38	3	5.21584934	-5.5375	-1.26E-07	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 38	4	5.21584934	-5.9125	1.47E-07	2.5E-13	7.3E-14	5.0E-14	8.2E-14	5.0E-14	5.0E-14
Lower 38	5	5.21584934	-6.2875	4.34E-07	7.3E-13	2.2E-13	5.0E-14	2.4E-13	9.0E-14	5.5E-14
Lower 38	6	5.21584934	-6.6625	5.86E-08	9.8E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 38	7	5.21584934	-7.0375	2.71E-07	4.5E-13	1.3E-13	5.0E-14	1.5E-13	5.6E-14	5.0E-14
Lower 38	8	5.21584934	-7.4125	1.27E-05	2.1E-11	6.3E-12	1.4E-12	7.1E-12	2.7E-12	1.6E-12
Lower 39	1	5.35681824	-4.7875	1.89E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 39	2	5.35681824	-5.1625	-5.34E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 39	3	5.35681824	-5.5375	-2.67E-08	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14	5.0E-14
Lower 39	4	5.35681824	-5.9125	4.70E-07	7.9E-13	2.3E-13	5.3E-14	2.6E-13	9.8E-14	5.9E-14
Lower 39	5	5.35681824	-6.2875	2.20E-07	3.7E-13	1.1E-13	5.0E-14	1.2E-13	5.0E-14	5.0E-14
Lower 39	6	5.35681824	-6.6625	9.99E-08	1.7E-13	5.0E-14	5.0E-14	5.5E-14	5.0E-14	5.0E-14
Lower 39	7	5.35681824	-7.0375	2.94E-07	4.9E-13	1.5E-13	5.0E-14	1.6E-13	6.1E-14	5.0E-14
Lower 39	8	5.35681824	-7.4125	2.24E-06	3.8E-12	1.1E-12	2.5E-13	1.2E-12	4.7E-13	2.8E-13

Part 3 Statistics of hydraulic conductivity estimations

This part presents the detatiled result of a one-variable analysis of the hydraulic conductivity presented in Part 2 in this appendix. The software used is Statgraphics version 4.0.

Distribution characteristics presented in Chapter 4 is estimated from the dashed line, if it is drawn in the figures below, and from the calculated characteristics otherwise.

Analysis Summary

Data variable: Log_Kmin_1.15_m

624 values ranging from -13.301 to -11.4815

The StatAdvisor

This procedure is designed to summarize a single sample of data. It will calculate various statistics and graphs. Also included in the procedure are confidence intervals and hypothesis tests. Use the Tabular Options and Graphical Options buttons on the analysis toolbar to access these different procedures.

Summary Statistics for Log_Kmin_1.15_m

Count = 624
Average = -12.7693
Median = -13.301
Mode = -13.301
Geometric mean =
Variance = 0.463095
Standard deviation = 0.680511
Standard error = 0.0272422
Minimum = -13.301
Maximum = -11.4815
Range = 1.81954
Lower quartile = -13.301
Upper quartile = -12.0177
Interquartile range = 1.2833
Skewness = 0.721297
Stnd. skewness = 7.35582
Kurtosis = -1.24963
Stnd. kurtosis = -6.37189
Coeff. of variation = -5.32925%
Sum = -7968.07

The StatAdvisor

This table shows summary statistics for Log_Kmin_1.15_m. It includes measures of central tendency, measures of variability, and measures of shape. Of particular interest here are the standardized skewness and standardized kurtosis, which can be used to determine whether the sample comes from a normal distribution. Values of these statistics outside the range of -2 to +2 indicate significant departures from normality, which would tend to invalidate any statistical test regarding the standard deviation. In this case, the standardized skewness value is not within the range expected for data from a normal distribution. The standardized kurtosis value is not within the range expected for data from a normal distribution.

Percentiles for Log_Kmin_1.15_m

1.0% = -13.301
5.0% = -13.301
10.0% = -13.301
25.0% = -13.301
50.0% = -13.301
75.0% = -12.0177
90.0% = -11.6778
95.0% = -11.6198
99.0% = -11.5229

The StatAdvisor

This pane shows sample percentiles for Log_Kmin_1.15_m. The percentiles are values below which specific percentages of the data are found. You can see the percentiles graphically by selecting Quantile Plot from the list of Graphical Options.

Frequency Tabulation for Log_Kmin_1.15_m

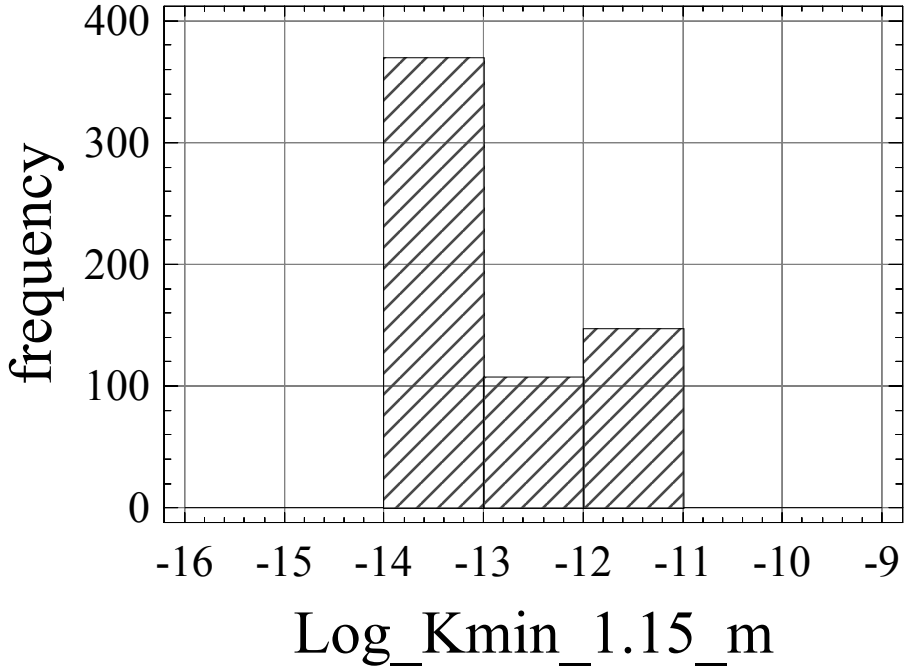
Class	Lower Limit	Upper Limit	Midpoint	Frequency	Relative Frequency	Cumulative Frequency	Cum. Rel. Frequency
at or below		-16.0		0	0.0000	0	0.0000
1	-16.0	-15.0	-15.5	0	0.0000	0	0.0000
2	-15.0	-14.0	-14.5	0	0.0000	0	0.0000
3	-14.0	-13.0	-13.5	370	0.5929	370	0.5929
4	-13.0	-12.0	-12.5	107	0.1715	477	0.7644
5	-12.0	-11.0	-11.5	147	0.2356	624	1.0000
6	-11.0	-10.0	-10.5	0	0.0000	624	1.0000
7	-10.0	-9.0	-9.5	0	0.0000	624	1.0000
above	-9.0			0	0.0000	624	1.0000

Mean = -12.7693 Standard deviation = 0.680511

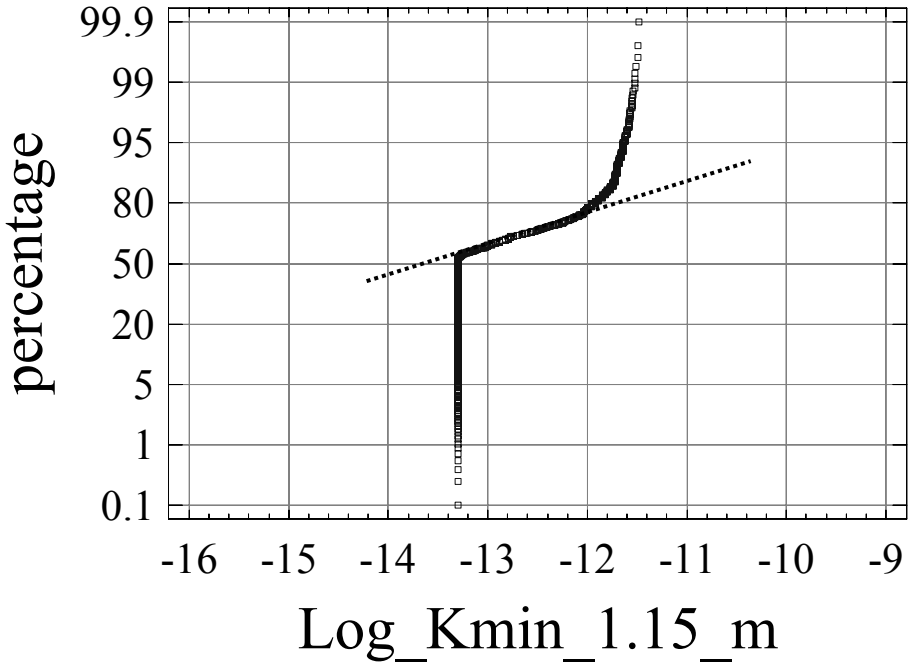
The StatAdvisor

This option performs a frequency tabulation by dividing the range of Log_Kmin_1.15_m into equal width intervals and counting the number of data values in each interval. The frequencies show the number of data values in each interval, while the relative frequencies show the proportions in each interval. You can change the definition of the intervals by pressing the alternate mouse button and selecting Pane Options. You can see the results of the tabulation graphically by selecting Frequency Histogram from the list of Graphical Options.

Histogram for Log_Kmin_1.15_m



Normal Probability Plot for Log_Kmin_1.15_m



Analysis Summary

Data variable: Log_Kmean_1.15_m

624 values ranging from -13.301 to -10.8539

The StatAdvisor

This procedure is designed to summarize a single sample of data. It will calculate various statistics and graphs. Also included in the procedure are confidence intervals and hypothesis tests. Use the Tabular Options and Graphical Options buttons on the analysis toolbar to access these different procedures.

Summary Statistics for Log_Kmean_1.15_m

Count = 624
Average = -12.4138
Median = -12.7959
Mode = -13.301
Geometric mean =
Variance = 0.856269
Standard deviation = 0.925348
Standard error = 0.0370436
Minimum = -13.301
Maximum = -10.8539
Range = 2.44716
Lower quartile = -13.301
Upper quartile = -11.3768
Interquartile range = 1.92428
Skewness = 0.455274
Stnd. skewness = 4.6429
Kurtosis = -1.47882
Stnd. kurtosis = -7.54056
Coeff. of variation = -7.45421%
Sum = -7746.19

The StatAdvisor

This table shows summary statistics for Log_Kmean_1.15_m. It includes measures of central tendency, measures of variability, and measures of shape. Of particular interest here are the standardized skewness and standardized kurtosis, which can be used to determine whether the sample comes from a normal distribution. Values of these statistics outside the range of -2 to +2 indicate significant departures from normality, which would tend to invalidate any statistical test regarding the standard deviation. In this case, the standardized skewness value is not within the range expected for data from a normal distribution. The standardized kurtosis value is not within the range expected for data from a normal distribution.

Percentiles for Log_Kmean_1.15_m

1.0% = -13.301
5.0% = -13.301
10.0% = -13.301
25.0% = -13.301
50.0% = -12.7959
75.0% = -11.3768
90.0% = -11.0458
95.0% = -10.9586
99.0% = -10.8861

The StatAdvisor

This pane shows sample percentiles for Log_Kmean_1.15_m. The percentiles are values below which specific percentages of the data are found. You can see the percentiles graphically by selecting Quantile Plot from the list of Graphical Options.

Frequency Tabulation for Log_Kmean_1.15_m

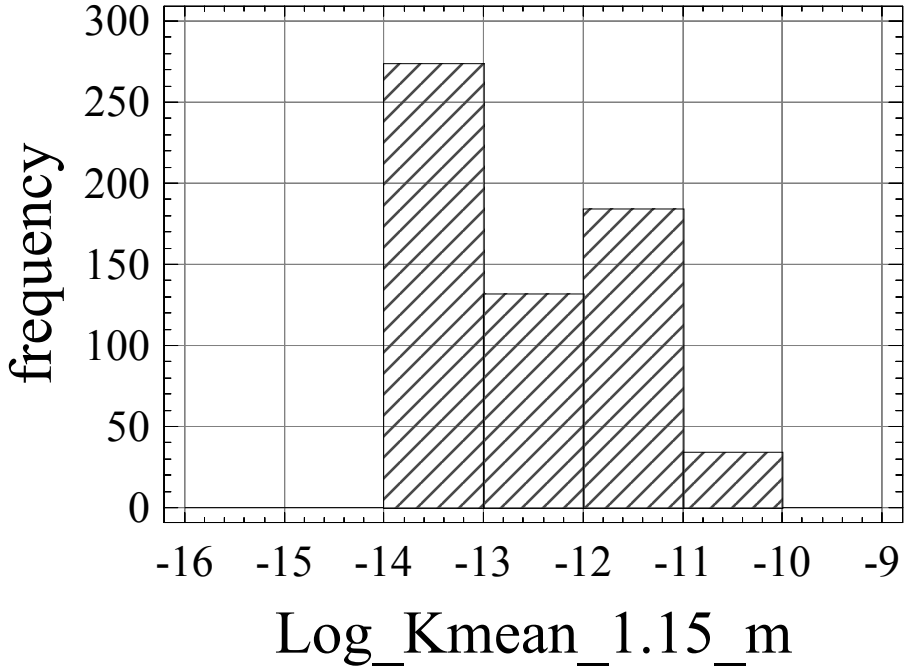
Class	Lower Limit	Upper Limit	Midpoint	Frequency	Relative Frequency	Cumulative Frequency	Cum. Rel. Frequency
at or below		-16.0		0	0.0000	0	0.0000
1	-16.0	-15.0	-15.5	0	0.0000	0	0.0000
2	-15.0	-14.0	-14.5	0	0.0000	0	0.0000
3	-14.0	-13.0	-13.5	274	0.4391	274	0.4391
4	-13.0	-12.0	-12.5	132	0.2115	406	0.6506
5	-12.0	-11.0	-11.5	184	0.2949	590	0.9455
6	-11.0	-10.0	-10.5	34	0.0545	624	1.0000
7	-10.0	-9.0	-9.5	0	0.0000	624	1.0000
above	-9.0			0	0.0000	624	1.0000

Mean = -12.4138 Standard deviation = 0.925348

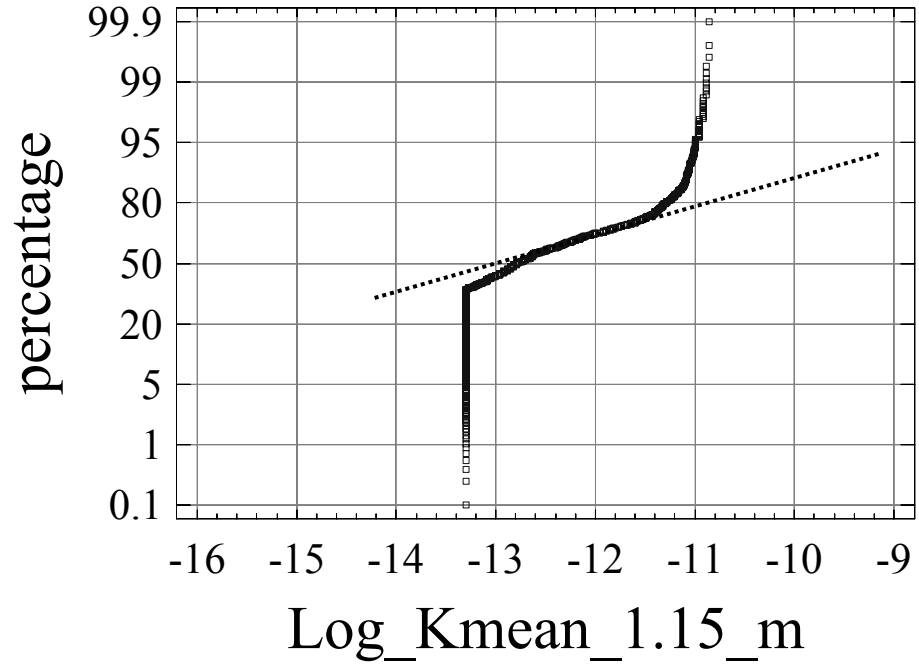
The StatAdvisor

This option performs a frequency tabulation by dividing the range of Log_Kmean_1.15_m into equal width intervals and counting the number of data values in each interval. The frequencies show the number of data values in each interval, while the relative frequencies show the proportions in each interval. You can change the definition of the intervals by pressing the alternate mouse button and selecting Pane Options. You can see the results of the tabulation graphically by selecting Frequency Histogram from the list of Graphical Options.

Histogram for Log_Kmean_1.15_m



Normal Probability Plot for Log_Kmean_1.15_m



Analysis Summary

Data variable: Log_Kmax_1.15_m

624 values ranging from -13.301 to -10.3098

The StatAdvisor

   This procedure is designed to summarize a single sample of data. It will calculate various statistics and graphs. Also included in the procedure are confidence intervals and hypothesis tests. Use the Tabular Options and Graphical Options buttons on the analysis toolbar to access these different procedures.

Summary Statistics for Log_Kmax_1.15_m

Count = 624
Average = -12.0484
Median = -12.2596
Mode = -13.301
Geometric mean =
Variance = 1.20331
Standard deviation = 1.09695
Standard error = 0.0439133
Minimum = -13.301
Maximum = -10.3098
Range = 2.99123
Lower quartile = -13.301
Upper quartile = -10.8539
Interquartile range = 2.44716
Skewness = 0.234497
Stnd. skewness = 2.39141
Kurtosis = -1.52034
Stnd. kurtosis = -7.75224
Coeff. of variation = -9.10459%
Sum = -7518.18

The StatAdvisor

   This table shows summary statistics for Log_Kmax_1.15_m. It includes measures of central tendency, measures of variability, and measures of shape. Of particular interest here are the standardized skewness and standardized kurtosis, which can be used to determine whether the sample comes from a normal distribution. Values of these statistics outside the range of -2 to +2 indicate significant departures from normality, which would tend to invalidate any statistical test regarding the standard deviation. In this case, the standardized skewness value is not within the range expected for data from a normal distribution. The standardized kurtosis value is not within the range expected for data from a normal distribution.

Percentiles for Log_Kmax_1.15_m

1.0% = -13.301
5.0% = -13.301
10.0% = -13.301
25.0% = -13.301
50.0% = -12.2596
75.0% = -10.8539
90.0% = -10.5229
95.0% = -10.4437
99.0% = -10.3565

The StatAdvisor

This pane shows sample percentiles for Log_Kmax_1.15_m. The percentiles are values below which specific percentages of the data are found. You can see the percentiles graphically by selecting Quantile Plot from the list of Graphical Options.

Frequency Tabulation for Log_Kmax_1.15_m

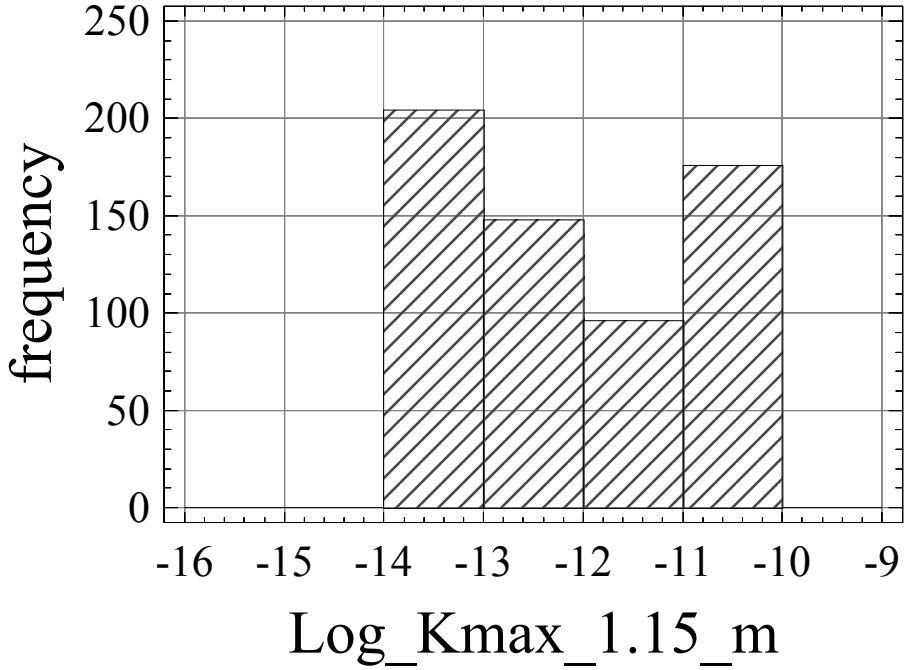
Class	Lower Limit	Upper Limit	Midpoint	Frequency	Relative Frequency	Cumulative Frequency	Cum. Rel. Frequency
at or below		-16.0		0	0.0000	0	0.0000
1	-16.0	-15.0	-15.5	0	0.0000	0	0.0000
2	-15.0	-14.0	-14.5	0	0.0000	0	0.0000
3	-14.0	-13.0	-13.5	204	0.3269	204	0.3269
4	-13.0	-12.0	-12.5	148	0.2372	352	0.5641
5	-12.0	-11.0	-11.5	96	0.1538	448	0.7179
6	-11.0	-10.0	-10.5	176	0.2821	624	1.0000
7	-10.0	-9.0	-9.5	0	0.0000	624	1.0000
above	-9.0			0	0.0000	624	1.0000

Mean = -12.0484 Standard deviation = 1.09695

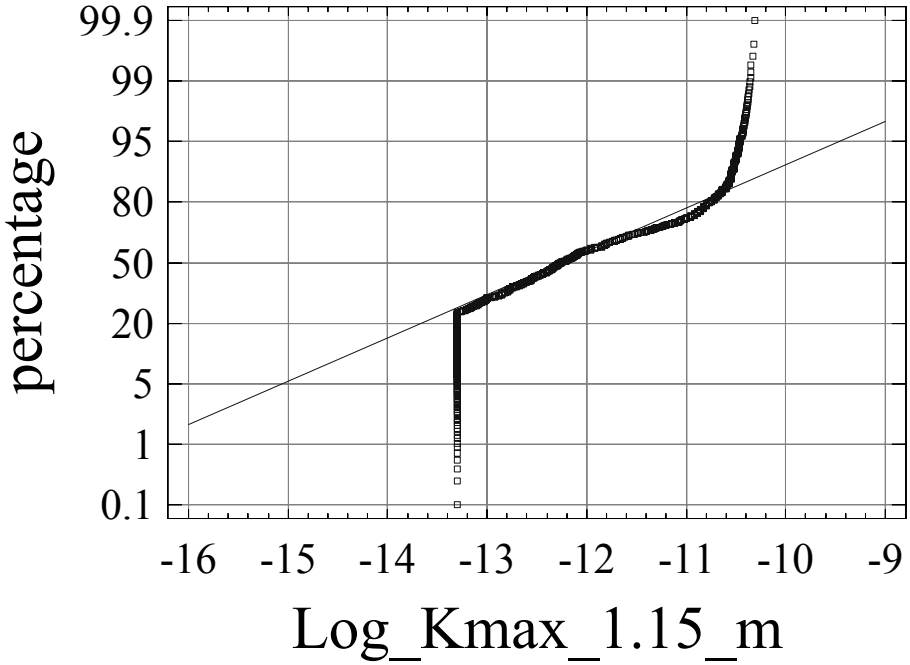
The StatAdvisor

This option performs a frequency tabulation by dividing the range of Log_Kmax_1.15_m into equal width intervals and counting the number of data values in each interval. The frequencies show the number of data values in each interval, while the relative frequencies show the proportions in each interval. You can change the definition of the intervals by pressing the alternate mouse button and selecting Pane Options. You can see the results of the tabulation graphically by selecting Frequency Histogram from the list of Graphical Options.

Histogram for Log_Kmax_1.15_m



Normal Probability Plot for Log_Kmax_1.15_m



Analysis Summary

Data variable: Log_Kmin_5_m

624 values ranging from -13.301 to -11.4318

The StatAdvisor

This procedure is designed to summarize a single sample of data. It will calculate various statistics and graphs. Also included in the procedure are confidence intervals and hypothesis tests. Use the Tabular Options and Graphical Options buttons on the analysis toolbar to access these different procedures.

Summary Statistics for Log_Kmin_5_m

Count = 624
Average = -12.7472
Median = -13.301
Mode = -13.301
Geometric mean =
Variance = 0.489651
Standard deviation = 0.69975
Standard error = 0.0280124
Minimum = -13.301
Maximum = -11.4318
Range = 1.86923
Lower quartile = -13.301
Upper quartile = -11.9586
Interquartile range = 1.34242
Skewness = 0.702575
Stnd. skewness = 7.16489
Kurtosis = -1.27274
Stnd. kurtosis = -6.48972
Coeff. of variation = -5.48946%
Sum = -7954.22

The StatAdvisor

This table shows summary statistics for Log_Kmin_5_m. It includes measures of central tendency, measures of variability, and measures of shape. Of particular interest here are the standardized skewness and standardized kurtosis, which can be used to determine whether the sample comes from a normal distribution. Values of these statistics outside the range of -2 to +2 indicate significant departures from normality, which would tend to invalidate any statistical test regarding the standard deviation. In this case, the standardized skewness value is not within the range expected for data from a normal distribution. The standardized kurtosis value is not within the range expected for data from a normal distribution.

Percentiles for Log_Kmin_5_m

1.0% = -13.301
5.0% = -13.301
10.0% = -13.301
25.0% = -13.301
50.0% = -13.301
75.0% = -11.9586
90.0% = -11.6383
95.0% = -11.5686
99.0% = -11.4815

The StatAdvisor

This pane shows sample percentiles for Log_Kmin_5_m. The percentiles are values below which specific percentages of the data are found. You can see the percentiles graphically by selecting Quantile Plot from the list of Graphical Options.

Frequency Tabulation for Log_Kmin_5_m

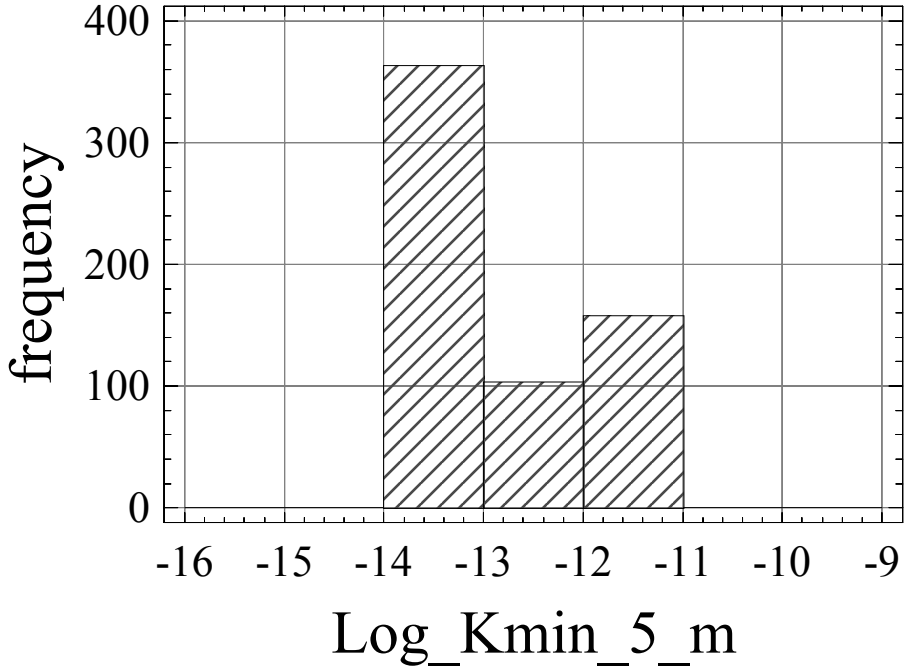
Class	Lower Limit	Upper Limit	Midpoint	Frequency	Relative Frequency	Cumulative Frequency	Cum. Rel. Frequency
at or below		-16.0		0	0.0000	0	0.0000
1	-16.0	-15.0	-15.5	0	0.0000	0	0.0000
2	-15.0	-14.0	-14.5	0	0.0000	0	0.0000
3	-14.0	-13.0	-13.5	363	0.5817	363	0.5817
4	-13.0	-12.0	-12.5	103	0.1651	466	0.7468
5	-12.0	-11.0	-11.5	158	0.2532	624	1.0000
6	-11.0	-10.0	-10.5	0	0.0000	624	1.0000
7	-10.0	-9.0	-9.5	0	0.0000	624	1.0000
above	-9.0			0	0.0000	624	1.0000

Mean = -12.7472 Standard deviation = 0.69975

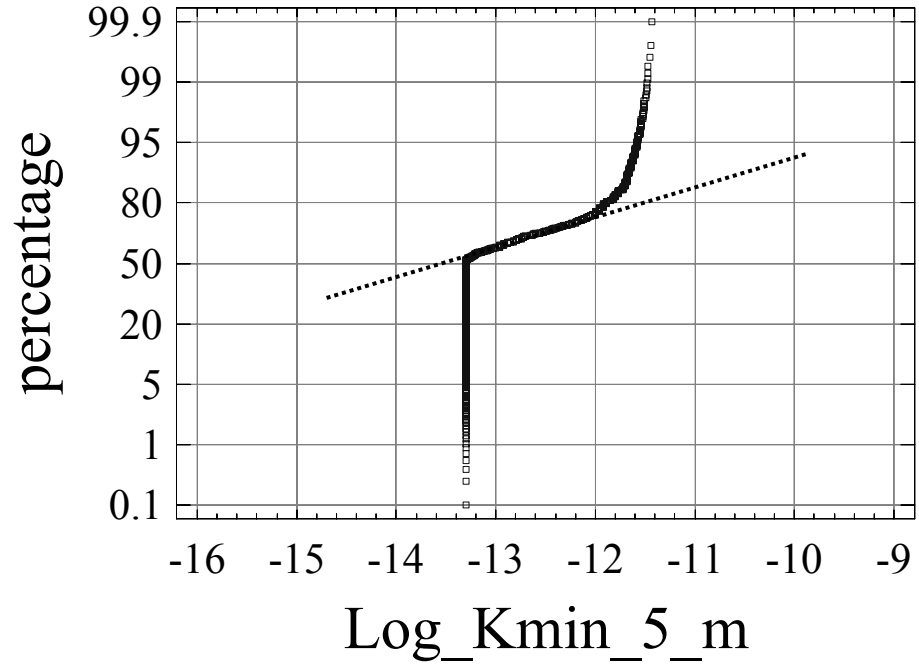
The StatAdvisor

This option performs a frequency tabulation by dividing the range of Log_Kmin_5_m into equal width intervals and counting the number of data values in each interval. The frequencies show the number of data values in each interval, while the relative frequencies show the proportions in each interval. You can change the definition of the intervals by pressing the alternate mouse button and selecting Pane Options. You can see the results of the tabulation graphically by selecting Frequency Histogram from the list of Graphical Options.

Histogram for Log_Kmin_5_m



Normal Probability Plot for Log_Kmin_5_m



Analysis Summary

Data variable: Log_Kmean_5_m

624 values ranging from -13.301 to -11.2147

The StatAdvisor

This procedure is designed to summarize a single sample of data. It will calculate various statistics and graphs. Also included in the procedure are confidence intervals and hypothesis tests. Use the Tabular Options and Graphical Options buttons on the analysis toolbar to access these different procedures.

Summary Statistics for Log_Kmean_5_m

Count = 624
Average = -12.6357
Median = -13.1643
Mode = -13.301
Geometric mean =
Variance = 0.618958
Standard deviation = 0.786739
Standard error = 0.0314948
Minimum = -13.301
Maximum = -11.2147
Range = 2.08636
Lower quartile = -13.301
Upper quartile = -11.7447
Interquartile range = 1.5563
Skewness = 0.613269
Stnd. skewness = 6.25415
Kurtosis = -1.37158
Stnd. kurtosis = -6.99372
Coeff. of variation = -6.2263%
Sum = -7884.69

The StatAdvisor

This table shows summary statistics for Log_Kmean_5_m. It includes measures of central tendency, measures of variability, and measures of shape. Of particular interest here are the standardized skewness and standardized kurtosis, which can be used to determine whether the sample comes from a normal distribution. Values of these statistics outside the range of -2 to +2 indicate significant departures from normality, which would tend to invalidate any statistical test regarding the standard deviation. In this case, the standardized skewness value is not within the range expected for data from a normal distribution. The standardized kurtosis value is not within the range expected for data from a normal distribution.

Percentiles for Log_Kmean_5_m

1.0% = -13.301
5.0% = -13.301
10.0% = -13.301
25.0% = -13.301
50.0% = -13.1643
75.0% = -11.7447
90.0% = -11.4202
95.0% = -11.3468
99.0% = -11.2596

The StatAdvisor

This pane shows sample percentiles for Log_Kmean_5_m. The percentiles are values below which specific percentages of the data are found. You can see the percentiles graphically by selecting Quantile Plot from the list of Graphical Options.

Frequency Tabulation for Log_Kmean_5_m

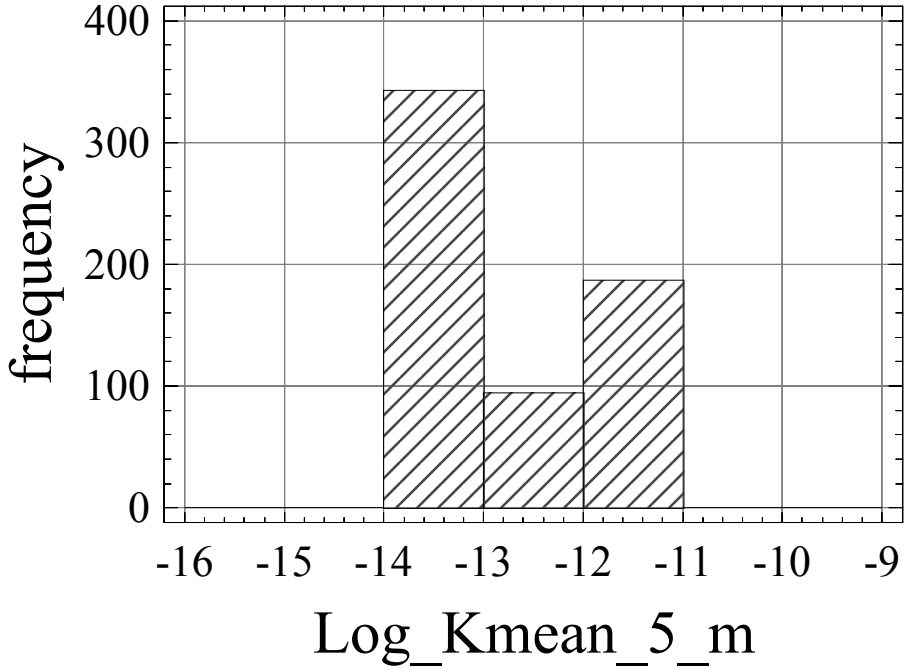
Class	Lower Limit	Upper Limit	Midpoint	Frequency	Relative Frequency	Cumulative Frequency	Cum. Rel. Frequency
at or below		-16.0		0	0.0000	0	0.0000
1	-16.0	-15.0	-15.5	0	0.0000	0	0.0000
2	-15.0	-14.0	-14.5	0	0.0000	0	0.0000
3	-14.0	-13.0	-13.5	343	0.5497	343	0.5497
4	-13.0	-12.0	-12.5	94	0.1506	437	0.7003
5	-12.0	-11.0	-11.5	187	0.2997	624	1.0000
6	-11.0	-10.0	-10.5	0	0.0000	624	1.0000
7	-10.0	-9.0	-9.5	0	0.0000	624	1.0000
above	-9.0			0	0.0000	624	1.0000

Mean = -12.6357 Standard deviation = 0.786739

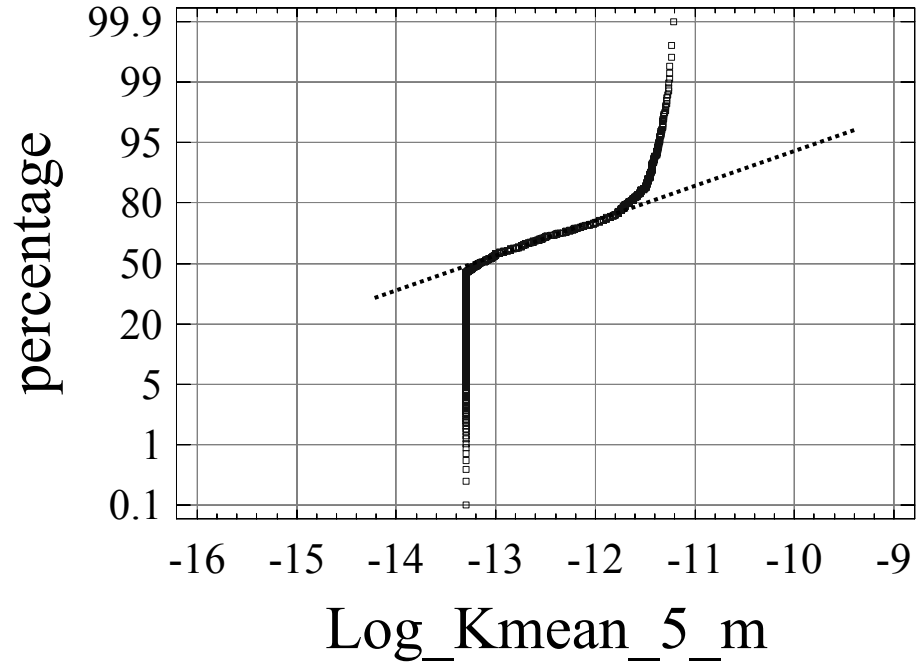
The StatAdvisor

This option performs a frequency tabulation by dividing the range of Log_Kmean_5_m into equal width intervals and counting the number of data values in each interval. The frequencies show the number of data values in each interval, while the relative frequencies show the proportions in each interval. You can change the definition of the intervals by pressing the alternate mouse button and selecting Pane Options. You can see the results of the tabulation graphically by selecting Frequency Histogram from the list of Graphical Options.

Histogram for Log_Kmean_5_m



Normal Probability Plot for Log_Kmean_5_m



Analysis Summary

Data variable: Log_Kmax_5_m

624 values ranging from -13.301 to -10.7959

The StatAdvisor

This procedure is designed to summarize a single sample of data. It will calculate various statistics and graphs. Also included in the procedure are confidence intervals and hypothesis tests. Use the Tabular Options and Graphical Options buttons on the analysis toolbar to access these different procedures.

Summary Statistics for Log_Kmax_5_m

Count = 624
Average = -12.3819
Median = -12.7447
Mode = -13.301
Geometric mean =
Variance = 0.889509
Standard deviation = 0.943138
Standard error = 0.0377557
Minimum = -13.301
Maximum = -10.7959
Range = 2.50515
Lower quartile = -13.301
Upper quartile = -11.3279
Interquartile range = 1.97313
Skewness = 0.435327
Stnd. skewness = 4.43948
Kurtosis = -1.48696
Stnd. kurtosis = -7.58205
Coeff. of variation = -7.61708%
Sum = -7726.3

The StatAdvisor

This table shows summary statistics for Log_Kmax_5_m. It includes measures of central tendency, measures of variability, and measures of shape. Of particular interest here are the standardized skewness and standardized kurtosis, which can be used to determine whether the sample comes from a normal distribution. Values of these statistics outside the range of -2 to +2 indicate significant departures from normality, which would tend to invalidate any statistical test regarding the standard deviation. In this case, the standardized skewness value is not within the range expected for data from a normal distribution. The standardized kurtosis value is not within the range expected for data from a normal distribution.

Percentiles for Log_Kmax_5_m

1.0% = -13.301
5.0% = -13.301
10.0% = -13.301
25.0% = -13.301
50.0% = -12.7447
75.0% = -11.3279
90.0% = -11.0
95.0% = -10.9208
99.0% = -10.8239

The StatAdvisor

This pane shows sample percentiles for Log_Kmax_5_m. The percentiles are values below which specific percentages of the data are found. You can see the percentiles graphically by selecting Quantile Plot from the list of Graphical Options.

Frequency Tabulation for Log_Kmax_5_m

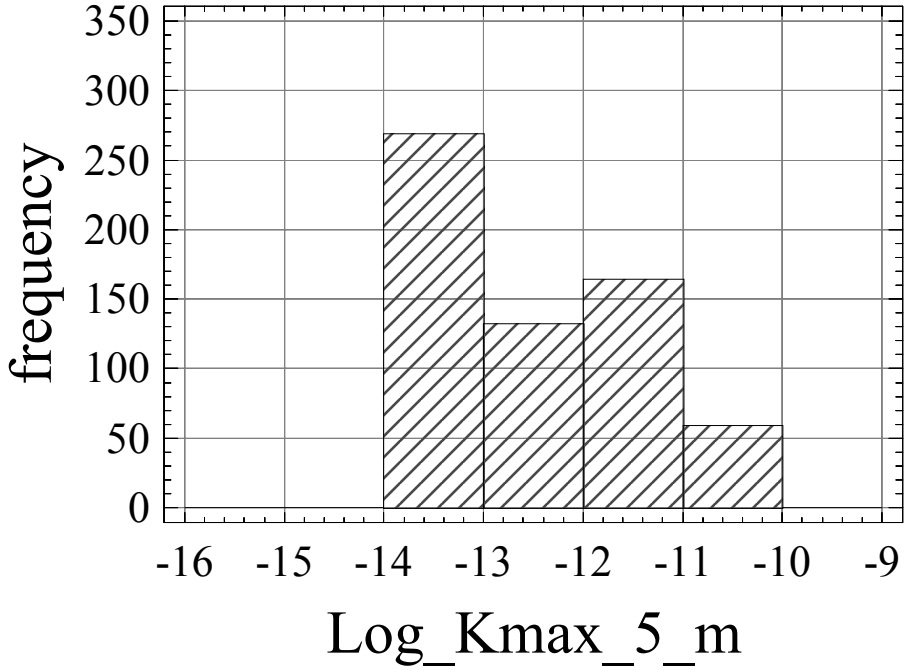
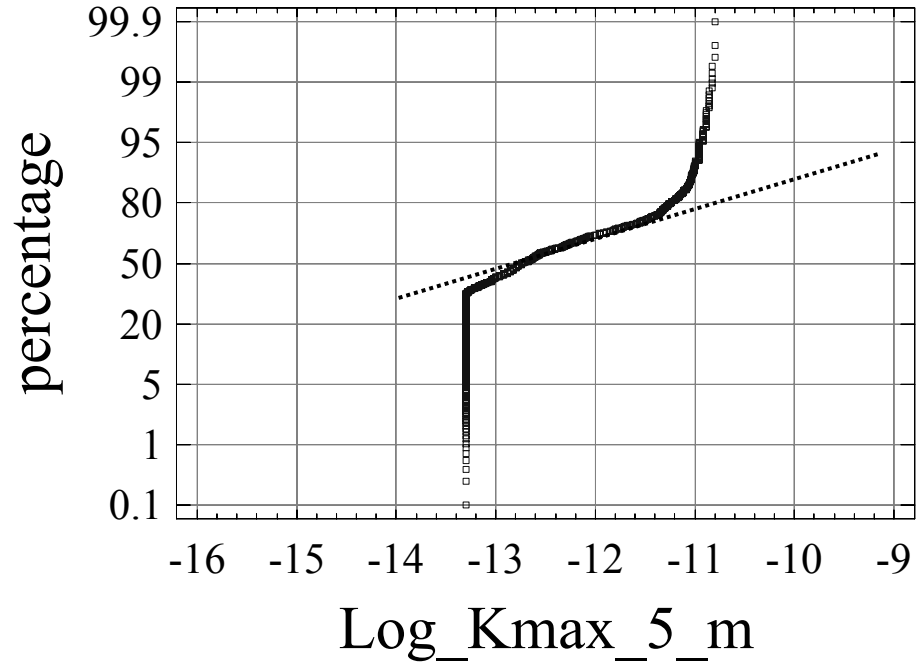
Class	Lower Limit	Upper Limit	Midpoint	Frequency	Relative Frequency	Cumulative Frequency	Cum. Rel. Frequency
at or below		-16.0		0	0.0000	0	0.0000
1	-16.0	-15.0	-15.5	0	0.0000	0	0.0000
2	-15.0	-14.0	-14.5	0	0.0000	0	0.0000
3	-14.0	-13.0	-13.5	269	0.4311	269	0.4311
4	-13.0	-12.0	-12.5	132	0.2115	401	0.6426
5	-12.0	-11.0	-11.5	164	0.2628	565	0.9054
6	-11.0	-10.0	-10.5	59	0.0946	624	1.0000
7	-10.0	-9.0	-9.5	0	0.0000	624	1.0000
above	-9.0			0	0.0000	624	1.0000

Mean = -12.3819 Standard deviation = 0.943138

The StatAdvisor

This option performs a frequency tabulation by dividing the range of Log_Kmax_5_m into equal width intervals and counting the number of data values in each interval. The frequencies show the number of data values in each interval, while the relative frequencies show the proportions in each interval. You can change the definition of the intervals by pressing the alternate mouse button and selecting Pane Options. You can see the results of the tabulation graphically by selecting Frequency Histogram from the list of Graphical Options.

Histogram for Log_Kmax_5_m



Normal Probability Plot for Log_Kmax_5_m