

Oskarshamn site investigation

Correlation of Posiva Flow Log anomalies to core mapped features in KLX22A-B, KLX23A-B, KLX24A, KLX25A, KLX26A-B, KLX27A, KLX28A and KLX29A

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December 2008

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

Data in SKB's database can be changed for different reasons. Minor changes in SKB's database will not necessarily result in a revised report. Data revisions may also be presented as supplements, available at www.skb.se.

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Abstract

In the boreholes KLX22A-B, KLX23A-B, KLX24A, KLX25A, KLX26A-B, KLX27A, KLX28A and KLX29A difference flow logging and core mapping with the Boremap system were conducted during 2006 to 2008. These data have been used to identify individual geological mapped features as fractures or crush zones that correspond to flow anomalies identified with the Posiva Flow Log/Difference Flow (PFL) method.

A few general results of the Boremap are shown in Tables I, III and V and corresponding anomalies in Tables II, IV and VI. In several cases a flow anomaly can be connected to several fractures if they are close to the anomaly. In most of these cases, it may be one of the interpreted fractures, some of them, or even all of them that correspond to the anomaly.

Table I. Boremap data for the PFL-s (5 m sequential measurements) measured interval in KLX22A-B, KLX23A-B and KLX24A.

| Object | KLX22A | KLX22B | KLX23A | KLX23B | KLX24A |
|---|----------------|---------------|--------------|-------------|----------------|
| Measured interval in the borehole with PFL-s (m) | 13.53–94.9 | 13.40–93.37 | 19.28–94.28 | 14.88–44.88 | 18.36–93.46 |
| No of open fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 223(18/58/147) | 195(4/45/146) | 40(5/18/17) | 14(0/3/11) | 305(21/93/191) |
| Mean fracture frequency of open fractures (fractures/m) | 2.74 | 2.44 | 0.53 | 0.47 | 4.06 |
| No of partly open fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 0 (0/0/0) | 0 (0/0/0) | 0 (0/0/0) | 0 (0/0/0) | 2 (2/0/0) |
| Mean fracture frequency of partly open fractures (fractures/m) | 0.000 | 0.000 | 0.000 | 0.000 | 0.027 |
| No of crush zones in the PFL-s measured interval | 0 | 1 | 0 | 0 | 6 |
| Appr. No of fractures in crush zones assuming 40 fractures/m | 0.00 | 8.72 | 0.00 | 0.00 | 25.20 |
| Mean No of fractures in a crush zone | 0.00 | 8.72 | 0.00 | 0.00 | 4.20 |
| Mean fracture frequency of Total open fractures (All open, partly open and crush zone fractures) (fractures/m) | 2.74 | 2.55 | 0.53 | 0.47 | 4.42 |
| No of sealed fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 371(370/1/0) | 346(346/0/0) | 135(135/0/0) | 19(19/0/0) | 400(400/0/0) |
| Mean fracture frequency of sealed fractures (fractures/m) | 4.56 | 4.33 | 1.80 | 0.63 | 5.33 |

Table II. Flow anomalies in KLX22A-B, KLX23A-B and KLX24A.

| Object | KLX22A | KLX22B | KLX23A | KLX23B | KLX24A |
|--|---------------|---------------|---------------|---------------|---------------|
| Measured interval in the borehole with PFL-s (m) | 13.53–94.9 | 13.40–93.37 | 19.28–94.28 | 14.88–44.88 | 18.36–93.46 |
| Total No of PFL-f anomalies (“Certain”+“Uncertain”) | 43 | 28 | 17 | 4 | 41 |
| No of PFL-f anomalies mapped as “ Certain ” | 33 | 22 | 15 | 3 | 32 |
| No of PFL-f anomalies mapped in crush zones | 0 | 1 | 0 | 0 | 2 |
| Mean feature frequency of PFL-f anomalies (Total) (anomalies/m) | 0.528 | 0.350 | 0.227 | 0.133 | 0.546 |
| No of crush zones in the PFL-s interval, Total/No. with one or more PFL-f anomalies | 0/0 | 1/1 | 0/0 | 0/0 | 6/3 |
| Mean frequency of crush zones with PFL-f anomalies | 0.00 | 1.00 | 0.00 | 0.00 | 0.50 |
| PFL-f anomaly connected to a Geological feature (Best Choice), accuracy | | | | | |
| Number of PFL anomalies identified within distance < 0.2 m from Geological features (open and partly open fractures and crush zones) | 41 | 26 | 15 | 3 | 40 |
| Number of PFL anomalies identified within distance 0.2–0.4 m from Geological features (open and partly open fractures and crush zones) | 1 | 2 | 0 | 1 | 1 |
| Number of PFL anomalies identified within distance 0.2–0.5 m from Geological features (open and partly open fractures and crush zones) | 0 | 0 | 0 | 0 | 0 |
| Number of PFL anomalies identified within distance > 0.5 m from Geological features (open and partly open fractures and crush zones) | 0 | 0 | 0 | 0 | 0 |
| Number of PFL anomalies within a distance of 0.1 m from sealed fractures (broken/unbroken), thus, not correlated to open fractures or crush zones | 1/0 | 0/0 | 0/1 | 0/0 | 0/0 |
| Number of PFL anomalies within a distance of > 0.1 m from sealed fractures (broken/unbroken), thus, not correlated to open fractures or crush zones | 0/0 | 0/0 | 0/1 | 0/0 | 0/0 |

Table III. Boremap data for the PFL-s (5 m sequential measurements) measured interval in KLX25A, KLX26A-B, KLX27A AND KLX28A.

| Object | KLX25A | KLX26A | KLX26B | KLX27A | KLX28A |
|---|---------------|---------------|---------------|--------------------|---------------|
| Measured interval in the borehole with PFL-s (m) | 13.82–43.82 | 15–94 | 15–43 | 70.38–640.61 | 16.97–75.4 |
| No of open fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 60 (6/15/47) | 25 | 154(8/16/130) | 836(110/405/321) | 164(1/87/76) |
| Mean fracture frequency of open fractures (fractures/m) | 2.27 | 17 | 5.50 | 1.47 | 2.81 |
| No of partly open fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 0 (0/0/0) | 5 | 1 (1/0/0) | 27 (27/0/0) | 0 (0/0/0) |
| Mean fracture frequency of partly open fractures (fractures/m) | 0.000 | 0.316 | 0.036 | 0.047 | 0.000 |
| No of crush zones in the PFL-s measured interval | 0 | 4/3 | 0 | 7 | 3 |
| Appr. No of fractures in crush zones assuming 40 fractures/m | 0.00 | 0.75 | 0.00 | 41.56 | 12.40 |
| Mean No of fractures in a crush zone | 0.00 | | 0.00 | 5.94 | 4.13 |
| Mean fracture frequency of Total open fractures (All open, partly open and crush zone fractures) (fractures/m) | 2.27 | 25 | 5.54 | 1.59 | 3.02 |
| No of sealed fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 165 (165/0/0) | 0 | 50 (50/0/0) | 2,048 (2,046/0/2) | 241 (241/0/0) |
| Mean fracture frequency of sealed fractures (fractures/m) | 5.50 | 0 | 1.79 | 3.59 | 4.12 |

Table IV. Flow anomalies in KLX25A, KLX26A-B, KLX27A AND KLX28A.

| Object | KLX25A | KLX26A | KLX26B | KLX27A | KLX28A |
|--|---------------|---------------|---------------|---------------|---------------|
| Measured interval in the borehole with PFL-s (m) | 13.82–43.82 | 15–94 | 15–43 | 70.38–640.61 | 16.97–75.4 |
| Total No of PFL-f anomalies (“Certain”+“Uncertain”) | 8 | 25 | 17 | 50 | 36 |
| No of PFL-f anomalies mapped as “ Certain ” | 4 | 17 | 10 | 37 | 27 |
| No of PFL-f anomalies mapped in crush zones | 0 | 5 | 0 | 4 | 3 |
| Mean feature frequency of PFL-f anomalies (Total) (anomalies/m) | 0.267 | 0.316 | 0.607 | 0.088 | 0.616 |
| No of crush zones in the PFL-s interval, Total/No. with one or more PFL-f anomalies | 0/0 | 4/3 | 0/0 | 7/4 | 3/3 |
| Mean frequency of crush zones with PFL-f anomalies | 0.00 | 0.75 | 0.00 | 0.57 | 1.00 |
| PFL-f anomaly connected to a Geological feature (Best Choice), accuracy | | | | | |
| Number of PFL anomalies identified within distance < 0.2 m from Geological features (open and partly open fractures and crush zones) | 6 | 25 | 17 | 46 | 36 |
| Number of PFL anomalies identified within distance 0.2–0.4 m from Geological features (open and partly open fractures and crush zones) | 2 | 0 | 0 | 2 | 0 |
| Number of PFL anomalies identified within distance 0.2–0.5 m from Geological features (open and partly open fractures and crush zones) | 0 | 0 | 0 | 1 | 0 |
| Number of PFL anomalies identified within distance > 0.5 m from Geological features (open and partly open fractures and crush zones) | 0 | 0 | 0 | 0 | 0 |
| Number of PFL anomalies within a distance of 0.1 m from sealed fractures (broken/unbroken), thus, not correlated to open fractures or crush zones | 0/0 | 0/0 | 0/0 | 0/0 | 0/0 |
| Number of PFL anomalies within a distance of > 0.1 m from sealed fractures (broken/unbroken), thus, not correlated to open fractures or crush zones | 0/0 | 0/0 | 0/0 | 0/1 | 0/0 |

Table V. Boremap data for the PFL-s (5 m sequential measurements) measured interval in KLX29A.

| Object | KLX29A |
|---|----------------|
| Measured interval in the borehole with PFL-s (m) | 7.1–54.42 |
| No of open fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 162 (26/79/57) |
| Mean fracture frequency of open fractures (fractures/m) | 3.42 |
| No of partly open fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 1 (1/0/0) |
| Mean fracture frequency of partly open fractures (fractures/m) | 0.021 |
| No of crush zones in the PFL-s measured interval | 2 |
| Appr. No of fractures in crush zones assuming 40 fractures/m | 3.16 |
| Mean No of fractures in a crush zone | 1.58 |
| Mean fracture frequency of Total open fractures (All open, partly open and crush zone fractures) (fractures/m) | 3.51 |
| No of sealed fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 230 (229/1/0) |
| Mean fracture frequency of sealed fractures (fractures/m) | 4.86 |

Table VI. Flow anomalies in KLX29A.

| Object | KLX29A |
|--|---------------|
| Measured interval in the borehole with PFL-s (m) | 7.1–54.42 |
| Total No of PFL-f anomalies (“Certain”+“Uncertain”) | 27 |
| No of PFL-f anomalies mapped as “ Certain ” | 19 |
| No of PFL-f anomalies mapped in crush zones | 1 |
| Mean feature frequency of PFL-f anomalies (Total) (anomalies/m) | 0.571 |
| No of crush zones in the PFL-s interval, Total/No. with one or more PFL-f anomalies | 2/1 |
| Mean frequency of crush zones with PFL-f anomalies | 0.50 |
| PFL-f anomaly connected to a Geological feature (Best Choice), accuracy | |
| Number of PFL anomalies identified within distance < 0.2 m from Geological features (open and partly open fractures and crush zones) | 25 |
| Number of PFL anomalies identified within distance 0.2–0.4 m from Geological features (open and partly open fractures and crush zones) | 2 |
| Number of PFL anomalies identified within distance 0.2–0.5 m from Geological features (open and partly open fractures and crush zones) | 0 |
| Number of PFL anomalies identified within distance > 0.5 m from Geological features (open and partly open fractures and crush zones) | 0 |
| Number of PFL anomalies within a distance of 0.1 m from sealed fractures (broken/unbroken), thus, not correlated to open fractures or crush zones | 0/0 |
| Number of PFL anomalies within a distance of > 0.1 m from sealed fractures (broken/unbroken), thus, not correlated to open fractures or crush zones | 0/0 |

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1 Introduction

The difference flow logging and core mapping with the Boremap system in the core drilled boreholes, KLX22A-B, KLX23A-B, KLX24A, KLX25A, KLX26A-B, KLX27A, KLX28A and KLX29A within Laxemar local model area near Oskarshamn, Sweden, were conducted during 2006 to 2008. The locations of the boreholes within Laxemar local model area are shown in Figure 1-1.

The results from the Posiva Flow Log/Difference Flow (PFL) method were reported in /Kristiansson et al. 2006, Pöllänen 2007ab, Pöllänen 2008/. Data from the PFL, Boremapping and BIPS images were received from the SICADA database.

Boremap-PFL anomaly correlation for other boreholes are presented in /Forsman et al. 2005ab, Teurneau et al. 2007, Wikström et al. 2007ab, Forsmark et al. 2007/.

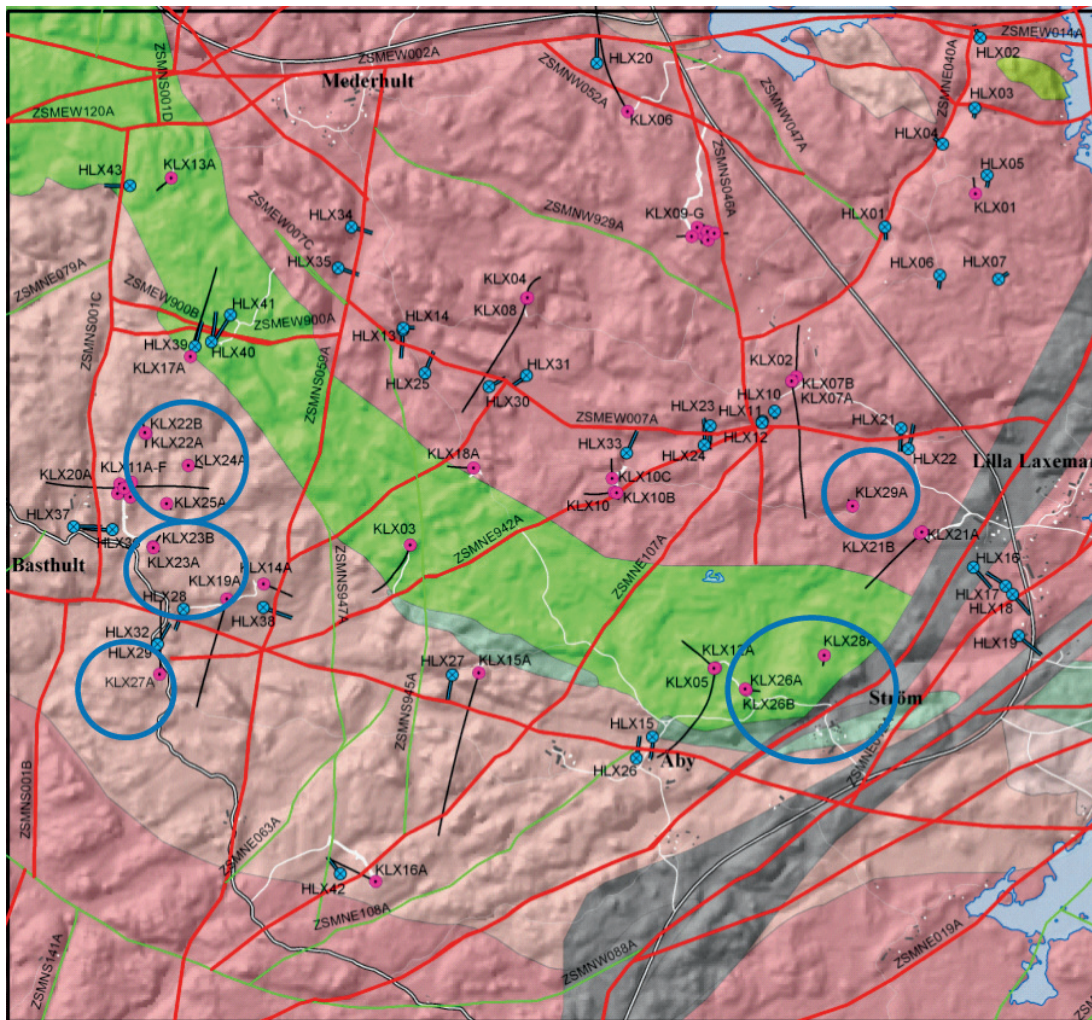


Figure 1-1. Location of core-drilled boreholes KLX22A-B, KLX23A-B, KLX24A, KLX25A, KLX26A-B, KLX27A, KLX28A and KLX29A within Laxemar local model area.

2 Objective and scope

The main objective for the work leading to this report was to identify which geological features mapped as fractures or crush zones that correspond to flow anomalies identified with the Posiva Flow Log/Difference Flow (PFL) method.

The identification of these geological features was made in 11 cored boreholes KLX22A-B, KLX23A-B, KLX24A, KLX25A, KLX26A-B, KLX27A, KLX28A and KLX29A within Laxemar local model area .

The results are presented in this report and have also been delivered as a database to SKB (indicated as “database” in text below).

3 Methodology

Hydraulically conductive features (flow anomalies) have been correlated to mapped geological features (fractures and/or crush zones). Below, the interpretation methodology is described.

Data used:

- 1) Boremap data.
- 2) BIPS images with BDT-files showing mapped features as fractures, crush, foliation etc.
- 3) Interpretation of Posiva Flow Logg (PFL) anomalies from the overlapping measurements.

3.1 Boremap data

The cored boreholes are documented by geological mapping of the core, using the Boremap system and a borehole image of the borehole wall from BIPS (Borehole Image Processing System). All borehole loggings, including BIPS, are length corrected to facilitate correlation between core data and logging data.

3.1.1 Length correction

During drilling, marks are made in the borehole wall approximately every 50 m. These marks are used to make length corrections of all borehole logging and borehole mapping. A Calliper tool fitted to the logging unit is used to get a reference for the length correction.

3.1.2 BIPS and BDT files

The Boremap data of geological features in SICADA can be superimposed in the BIPS image using a file with extension BDT. The image of the borehole wall from the BIPS-file may deviate cm-dm from the trace shown with the BDT file, due to that linear correction is made between the drilling marks. In the figures and tables in the appendices it is always the corrected length (“Adjusted secup”, not “Secup”) in Boremap data that is compared to the PFL flow anomaly position.

It should be noted that the features seen in the BIPS image with traces according to the BDT-file does not only correspond to fractures; rock contacts etc are displayed in the same way and there is, unfortunately, no indication on the lines of which type of object that is shown.

BIPS resolution, with SKB standard logging procedure, is in the vertical direction approximately 1 mm and in the horizontal direction 0.66 mm in a borehole with diameter 76 mm, the lower detection limit is thus more or less 1 mm. However, sometimes apertures are set to a value within 0.5–1.0 mm for “open” and “partly open” fractures when the geologist estimates the aperture from the BIPS image and the core. In these cases the fracture may be mapped as “1=visible in BIPS” or “0= not visible in BIPS” in column `VISIBLE_IN_BIPS`(code). The aperture in percussion holes are also estimated from BIPS and should normally be 0 (sealed) or 1 mm or larger. In some cases the geologist has even for percussion holes estimated apertures as small as 0.5 mm.

3.1.3 Boremap and core mapping

Each mapped fracture is first documented as “Broken” or “Unbroken” – depending on how it is found in the core. Each fracture is then classified as “Sealed”, “Open” or “Partly open” and with a judgement of how certain the geologist is of this classification: “Certain”, “Probable” or “Possible”. Some old boreholes are mapped according to the Petrocore system and in such cases only unbroken/broken can be used to separate sealed and (possibly) open fractures.

In more detail, the following is made during mapping:

1. If the fracture splits the core it is mapped as broken, otherwise unbroken
2. If an aperture is seen in BIPS and the core is unbroken, the fracture is mapped as partly open. If an aperture is seen in BIPS and the core is broken the fracture is mapped as open. The aperture is mapped in BIPS and is intended to represent an approximate mean aperture (mean aperture as seen on the borehole wall, may not have much to do with hydraulic aperture).
3. Sometimes when the core is broken no aperture is seen in BIPS. If the core pieces fit badly the aperture is set to 0.5 mm and the fracture is mapped as open and probable. If it is a good fit between the pieces and the surfaces are not fresh, the aperture is set to 0.5 mm and the fracture is mapped as open and possible. If there is a good fit between the pieces and the surfaces are fresh, the aperture is set to 0 mm and the fracture is mapped as sealed.

Generally, it is not possible to see in the BIPS picture if a certain fracture is open or not. Some fractures look quite open in the picture, but the database says they are sealed and sometimes even unbroken. Therefore only the information available in the data file is used to determine if a fracture is open or sealed. When evaluating the pictures the focus has been on the ones mapped as “open” in the database, therefore it has not been controlled that all fractures who are said to be “Visible in BIPS” really are visible and the other way around. It is possible to find open, possibly flowing, fractures said to be “Visible in BIPS” which cannot be found in the BIPS picture. These cases have been noted in the appendices. Concerning “Visible in BIPS”, the mapping geologist has had better possibilities to identify fracture traces in the BIPS image than people involved in this report.

In the appendix pictures, the resolution is not quite as good as in the BIPS pictures seen using the computer. The pictures in the appendices are also slightly smaller than on the computer screen and include white correlation lines and the arrows we have added. The white correlation line makes it even harder to see if a fracture looks open or not in the appendices (but, as mentioned above, the fracture trace may sometimes not be seen on the computer screen using only the BIPS pictures without the white correlation lines).

It should be quite easy to find the fractures in the database if the appendix pictures are used. In the picture itself, the information about strike, dip and adjusted secup can be found. The adjusted secup could, though, be hard to get if the fracture has high amplitude. Using the text associated with the pictures in the appendix, it should not be a problem, because all fractures correlated to the anomaly are listed in adjusted secup order. **The adjusted secup for a fracture is the mean value of the sinusoidal fracture trace, with all points along the trace expressed as adjusted secup coordinates.** Sometimes there are small deviations between strike and dip in figures in appendix B and in Boremap data mainly due to round off in the BDT-data. It is the values in Boremap data that should be considered as the correct ones.

Due to updates of the borehole orientations and BIPS-tool orientation during 2007 there may also be some difference (generally very small) in the figures in Appendices for the fracture orientation compared to the ones in the database, as updated BIPS images were not available for this evaluation.

3.2 PFL data

After a sequential flow logging (PFL-s) in 5 m sections, flow logging with 1 m section by moving the 1 m section in steps of 0.1 m (PFL-f) is made in PFL-s sections above the measurement limit. See e.g. /Kristiansson et al. 2006/ for details.

3.2.1 Position in the borehole of the flow anomaly

The PFL data and corrections made are in detail described in e.g. /Kristiansson et al. 2006/.

Accurate length scale of measurements is difficult to achieve in long boreholes. The main cause of inaccuracy is stretching of the logging cable. The stretching depends on the tension of the cable that in turn depends, among other things, on the inclination of the borehole and on the friction of the borehole wall. The cable tension is higher when the borehole is measured when the cable is moving upward. The cables, especially new ones, may also stretch out permanently.

The length marks in the borehole wall (occurring approximately every 50 m) are detected with the SKB calliper tool. The length scale is firstly corrected according to these length marks. Single point resistance (SPR) is also recorded simultaneously with the calliper logging.

Since SPR is recorded during all measurements, all flow measurement sequences can then be length corrected by synchronising the SPR results with the original calliper/SPR measurement.

In spite of the length correction described above, there are still length errors due to following reasons:

- 1) Point interval in flow measurements is 0.1 m in overlapping mode. This could cause an error ± 0.05 m.
- 2) The length of the test section is not exact. The specified section length denotes the distance between the nearest upper and lower rubber disks. Effectively, the section length can be longer. At the upper end of the test section there are four rubber disks. The distance between these is 5 cm. This will cause rounded flow anomalies, there may be detected flow already when a fracture is between the upper rubber disks. These phenomena can only be seen with short step length (0.1 m). This could cause an error of ± 0.05 m.
- 3) Corrections between the length marks can be other than linear. This could cause error ± 0.1 m in the calliper/SPR measurement.
- 4) SPR curves may be imperfectly synchronized. This could cause error ± 0.1 m.

In the “worst case”, the errors of points 1, 2, 3 and 4 above are summed up. The total estimated error for geological features located far from a length mark would then be ± 0.3 m.

Near the length marks the situation is slightly better. In the “worst case”, when the errors of points 1, 2, and 4 above are summed up, the total estimated error would be ± 0.2 m for geological features located near a length mark.

Accurate location is important when different measurements are compared, for instance if the flow logging and BIPS are compared. In that case the situation may not be as severe as the worst case above since parts of the length errors are systematic and the length error is nearly constant for fractures near each other. However, the error of point 1 is of random type.

Fractures nearly parallel with the borehole may also be problematic. Fracture location may be difficult to accurately define in such cases.

3.2.2 Flow anomaly uncertainty

The existence of a flow anomaly is sometime uncertain and in such a case the anomaly is marked ”uncertain” in the database and in the appendices.

3.3 Correlation of Boremap data and PFL anomalies

Assumptions:

- As a first assumption, the open and partly open fractures as well as crush zones are assumed to be possible flowing features.
- It is assumed that the precision of the position (LA) in the borehole of the PFL- anomaly is not on the dm level. If an open, partly open fracture or crush zone is within ± 0.5 m of a PFL-anomaly, it is assumed that it can correspond to the PFL-anomaly (in a few cases larger differences have been accepted). The parameters added to the database are;
 - **PFL anom (1):** An index set to 1 if geological features possibly can be associated to a PFL-f anomaly (one or several fractures (or crush) are documented as possible flowing features.)
 - **PFL anom. No.:** Sequential numbering of PFL-f flow anomalies, starting with 1 for the uppermost flow anomaly in a specific borehole.
 - **PFL-anom.Confidence:** Judgement of how close (on a dm-scale) the nearest part of the sinusoidal fracture trace is to LA
 - **PFL-Deviation fr. L:** The actual deviation (on a dm-scale) of the fractures Adjusted Secup from LA (defined positive if the fracture is located below LA)
 - **PFL Confidence:** Certain or uncertain, based on PFL measurements
 - **Best Choice fracture and Alternative Best Choice fracture:** The most likely fracture/crush among the features noted in **PFL anom (1)** (“one or several fractures (or crush) are documented as possible flowing features”) that can be associated to a PFL-f anomaly; see below for definition.
- A few **sealed fractures** have been indicated in some boreholes as possible flowing features if the core has been broken AND adjusted secup (Boremap) \approx LA (Borehole length) for the PFL anomaly AND that no open fracture was < 0.6 m from LA, OR that the nearest open fracture is positioned closer than 0.6 m but very well matches another anomaly. When interpreting these broken/sealed fractures, usually only the ones located ± 0.1 m from the anomaly has been mapped. However, in rare occasions, when there are no other opportunities, fractures located at a longer distance have been chosen. These fractures are considered to be very uncertain and may be excluded from the analysis. “PFL anomaly Confidence” is set to zero (0) in the database for these cases (Example 1 and 2).
- Frequently, several **open fractures** are within ± 0.2 m of LA for the PFL-anomaly and it is judged that one or all of them may be flowing features. If “FRACT_INTERPRET” is used in the database, the “Certain, Probable, Possible” can be used to judge if one fracture may be more likely to be a flowing feature. (See also the “Best Choice”-discussion below.) In a few cases, the mapped open fractures are so close (< 1 cm) that possibly one could consider them as one fracture. In some cases where open fractures have been identified within ± 0.2 m of LA, there may be more open fractures at a distance ± 0.2 – 0.5 m that are not included in the database as possible flowing features.
- In some cases several PFL anomalies may be connected to a single geological feature, generally a crush zone but sometimes also an open fracture with a fracture trace with high sinusoidal amplitude. Some PFL-anomalies are located very close to each other Secup-wise; in these cases a fracture with “normal” sinusoidal amplitudes can be correlated to both anomalies. In those cases where a single fracture has been assigned Best choice of several anomalies, a single “1” is put in the core file column for Best Choice fracture and the sequential number of the anomalies are put into the columns bc_seq_no_anom_1, bc_seq_no_anom_2, and bc_seq_no_anom_3 respectively.

PFL-anom. Confidence

Example 1: KLX06. PFL anomaly no 108

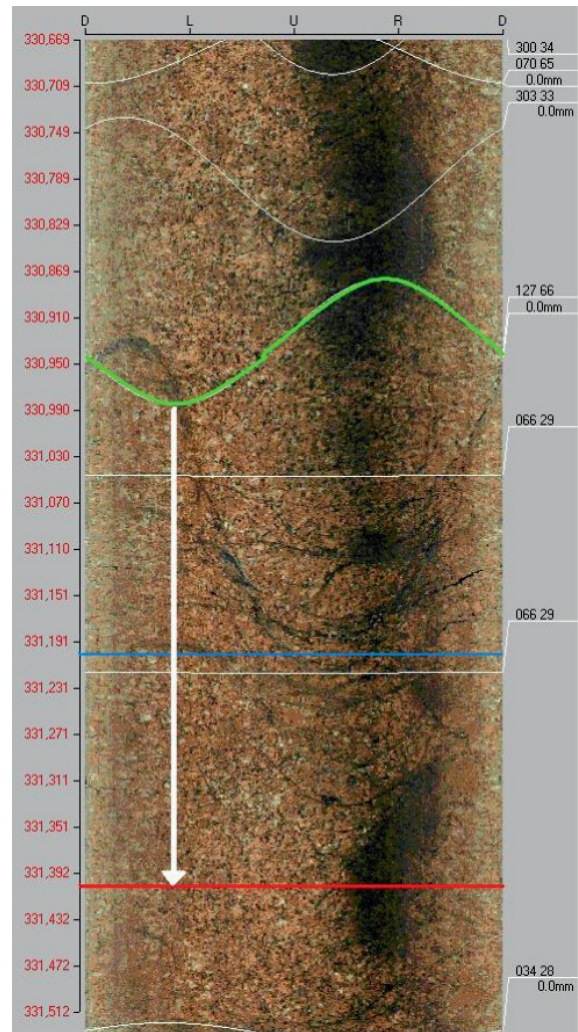
Bh-length, LA (for PFL-anomaly) = 331.40 m (red line)

Adjusted secup (for fracture) = 330.93 m

PFL-anom. confidence = 5

The green line marks the open fracture closest to the anomaly. Since the distance between LA and the adjusted secup is > 0.4 m (white arrow), PFL-anomaly confidence is set to 5 and Deviation to -5 . Confidence is measured from the nearest trace of the fracture, while Deviation is measured from the adjusted secup to LA.

In a few cases the when the fracture trace have not been shown in the BIPS image, the PFL-anom. Confidence is set to PFL-Deviation fr. L, but without sign.



Example 2: KLX09B. PFL anomaly no 5

Bh-length, LA (for PFL-anomaly) = 23.80 m

Adjusted secup (for fracture) = 23.84 m

Fract_interpret/Varcode = **sealed /broken**

PFL-anom. confidence = 0

Nearest open fracture secup = 24.13 m

If no open fractures exist in the vicinity (< 0.6 m) of the anomaly, a sealed fracture can be chosen most probable. The attribute should generally be Sealed/broken, indicating a (weak) possibility that it actually can be an open fracture. In a few cases Sealed/unbroken have been used in a few boreholes but is extremely rare. PFL-anom. Confidence is then 0.

High amplitude

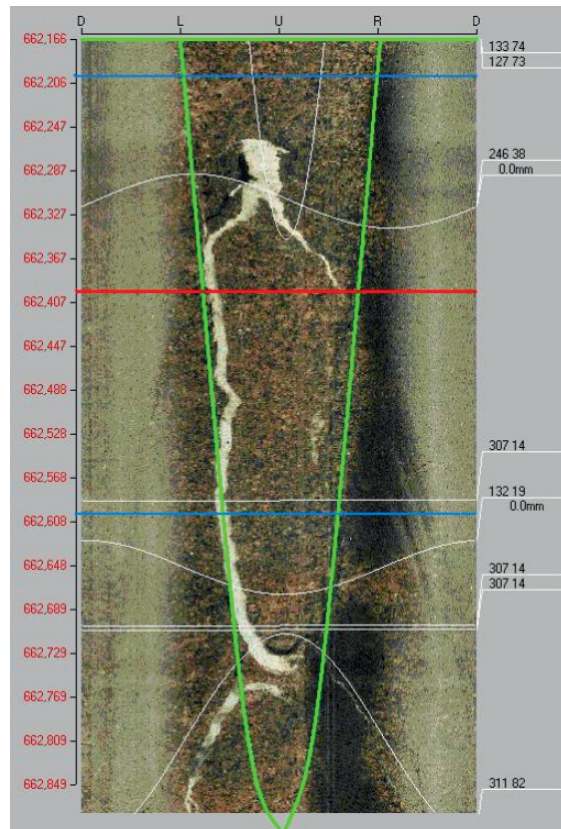
Example 3: KLX03. PFL anomaly no 38

Bh-length, LA (for PFL-anomaly) = 662.40 m

Adjusted secup (for fracture) = 662.17 m

PFL-anom. confidence = 1

The distance between adjusted secup of the fracture (green line on top) and the anomaly (red line) is further away than ± 0.2 m (blue lines). However, because of its high amplitude, the fracture cuts the anomaly: PFL-anom. Confidence = 1.



- Some open, possibly flowing, fractures have very high amplitudes, stretching over up to several metres of the borehole wall. These fractures can, because of their shape, have an influence on the flow conditions quite a long distance from the level indicated by the fractures “adjusted secup”-value. When evaluating the data, these fractures have been given a lower “PFL-anomaly confidence” than suggested only by the distance between the fractures adjusted secup and the level of the PFL anomaly. **PFL-anomaly confidence is measured from the nearest trace of the fracture, while Deviation is measured from the adjusted secup to the position LA of the PFL anomaly** (see Example 1). If the fracture cuts the level of the PFL-anomaly, the PFL-anomaly confidence is set to one (1, which is the highest confidence), independent of how long the distance between the adjusted secup value and the level of the anomaly is. To be consequent, some fractures with high amplitudes that **almost** (± 0.2 m) cut the PFL-anomaly level have also been included in the analysis. The PFL-anomaly confidence has been set to 2 in these cases, even if the trace is closer than 1 dm from the adjusted secup of the anomaly (Example 3). However, in some cases the PFL-anomaly confidence has been set to 1 if the trace is closer than 1 dm from the adjusted secup of the anomaly.
- For each PFL-anomaly ONE fracture is chosen as the most probable to represent the PFL-anomaly, which is marked as “**Best Choice fracture**” in the data base. The reason for this is that several fractures may represent a single PFL-anomaly according to the criteria stated above. Similar choices are made for crush zones (Best Choice Crush: See Example 4). The choice is made in the following order:
 1. If the aperture of the fracture is **visible** in the BIPS image, mapped as “**open**” and “**certain**” and the fracture trace for the fracture is within ± 0.2 m from the PFL-anomaly, the fracture is chosen. If two or more fractures are at the same distance from the PFL-anomaly, the uppermost listed in the data file is chosen. However, if one LOOKS more plausible viewing the BIPS image, than the other, that one is chosen. This decision is based on the judgement that the chosen fracture’s aperture seems more open than others.

2. Criterion 1 is not satisfied. If the fractures aperture is **NOT visible** in the BIPS image, mapped as **“open” and “certain”** and that the fracture trace for the fracture is within ± 0.2 m from the PFL-anomaly, the fracture is chosen. If two or more fractures are at the same distance from the PFL-anomaly, the uppermost listed in the data file is chosen.
3. Criteria 1 and 2 are not satisfied. If the fractures aperture is **NOT visible** in the BIPS image, mapped as **“open” and “probable”** and that the fracture trace for the fracture is within ± 0.2 m from the PFL-anomaly, the fracture is chosen. If two or more fractures are at the same distance from the PFL-anomaly, the uppermost listed in the data file is chosen.
4. Criteria 1–3 are not satisfied. If the fractures aperture is **NOT visible** in the BIPS image, mapped as **“open” and “possible”** and that the fracture trace for the fracture is within ± 0.2 m from the PFL-anomaly, the fracture is chosen. If two or more fractures are at the same distance from the PFL-anomaly, the uppermost listed in the data file is chosen.
5. Criteria 1–4 are not satisfied. If the fractures aperture is **NOT visible** in the BIPS image, mapped as **“sealed” and “broken”** and that the fracture trace for the fracture is within ± 0.2 m from the PFL-anomaly, the fracture is chosen. If two or more fractures are at the same distance from the PFL-anomaly, the uppermost listed in the data file is chosen.
6. Criteria 1–5 are not satisfied, the nearest of the other identified fractures that possibly corresponds to the PFL-anomaly, is chosen as “Best Choice fracture”.

When the criteria above are considered: If several fractures with the above attributes are within ± 0.2 m from the PFL-anomaly, the fracture closest to the PFL-anomaly is chosen as “Best Choice fracture” among the features noted in PFL anom (1) (“one or several fractures (or crush) are documented as possible flowing features”). The other fractures are notified in the data base as “alt BC fr”. The number in “alt BC fr” column gives the number of fractures that satisfies the above criteria. (It is thus possible to search for the cases where it is more or less impossible to make a single fracture as “Best Choice fracture”.) However, if one LOOKS more plausible viewing the BIPS image, than the other, that one is chosen as “Best Choice fracture”.

Best choice

Example 4: K LX09B PFL anomaly no 19

Bh-length LA (for PFL-anomaly) = 49.40 m

Adjusted secup (for fracture) = 49.30 m

Fract_interpret/Varcode = open fracture

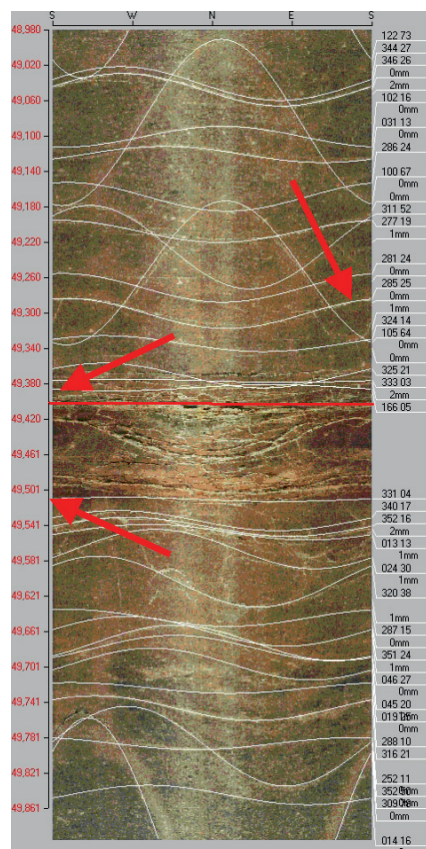
Adjusted secup – seclo w = 49.38–49.51 m

Fract_interpret/Varcode = crush zone

Best choice crush

In some cases both a fracture and a crush zone is as plausible as an explanation to an anomaly. Then only the crush zone is documented as Best choice (even if they are both within ± 0.2 m from the PFL-anomaly). The fracture is noted as “alternative Best Choice”.

The red arrows pointing at the length scale show the secup and seclo w of the crush. (Always red arrows for crushs.) The red arrow pointing at the white trace is the Best choice fracture. The red horizontal line is the LA for the flow anomaly.



If a crush zone is present within ± 0.2 m from the PFL-anomaly, “**Best Choice crush**” is chosen. If two crush zones are at the same distance from the PFL-anomaly, the uppermost is chosen. In these cases if fractures are documented within crush zone in the fracture data base, they are noted as “alternative Best Choice” in the data file and the crush zone as Best Choice. This choice is made in addition to the “Best Choice Fracture” procedure described above. **The connection between the fractures and the crush zones and which ones are chosen as Best Choice has to be examined by the user of the data base (Example 4).** If several crush zones are within ± 0.2 m from the PFL-anomaly, the crush closest to the PFL-anomaly is chosen as “Best Choice crush”. The other crush zones are notified in the data base as “alt BC crush”. The number in alt BC crush” column gives the number of crush zones that satisfies the above criteria. (It is thus possible to search for the cases where it is more or less impossible to make a single crush zone as “best choice crush”.)

Alternative Best choice

Example 5: KLX09F. PFL anomaly no 5c and 5d.

Bh-length LA (for PFL-anomaly) = 17.20 m

5c Adjusted secup (for fracture) = 17.37 m

Best choice

5d Adjusted secup = 17.38 m

Fract_interpret/Varcode = open fracture

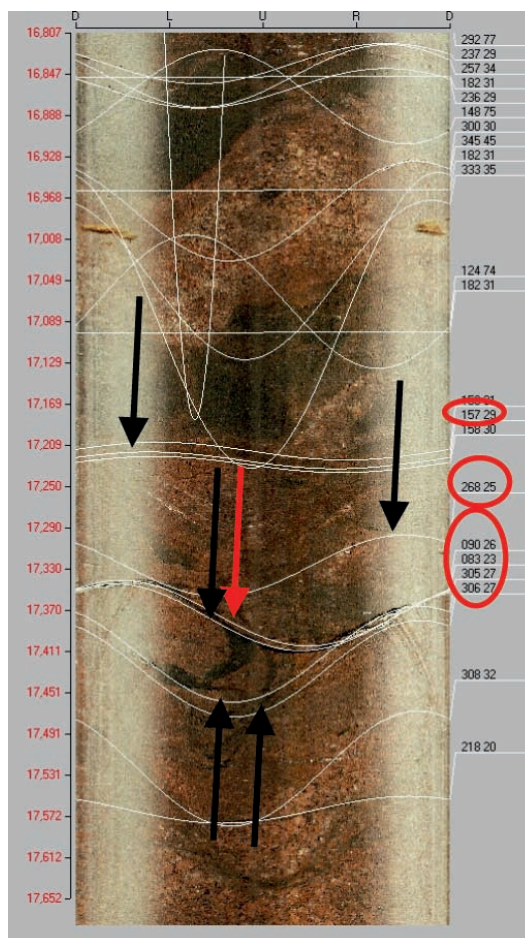
Frac.interp. confidence = Certain

PFL-anom. confidence = 2

Two identical fractures, both certain, close to each other and both candidates to be the best choice. This is an obvious case where alternative best choice is assigned.

If 3 fractures carry the same attributes (Fract interpretation, Fract. Confidence, PFL Confidence and Deviation) the upper fracture is chosen Best choice and all of the fractures are given the number 3 as alt. best choice in the database. Thus, the number in column “alt BC fr” can be used to search for these cases and get a view on how frequent “alt BC fr” is and then how many fractures are involved.

Red arrow shows Best Choice. Black arrows are used for Alt-Best choice fractures and possible other fractures. (Alt-Best choice fractures and other possible fractures are for some boreholes not shown in appendices (but in data base) as the figures became less readable due to all the black arrows. Red rings around the orientation indicate the fractures considered possible, including Best choice.)



3.4 Example of data presentation

In Figure 3-1 an example is shown on how parts of the results are presented. Below some comments are made on how to interpret the figure.

3.4.1 Flow indication confidence levels for open fractures (PFL confidence)

The classification of “flow indication level of confidence”, equal to the “PFL-anomaly confidence”, is defined as the distance between the anomaly and the interpreted fracture trace. That is, if the anomaly has a flow indication in class 1, the interpreted fracture is within 1 dm from the anomaly. In the same way, the anomaly has the flow indication class 2, if the interpreted fracture is within 2 dm from the anomaly. Four classes have been defined;

Class 1 0 – 1 dm

Class 2 1 – 2 dm

Class 3 2 – 3 dm

Class 4 3 – 4 dm

Class 5 4 – 5 dm (*not plotted*)

This classification is used in the figures in this report. In the database, only the numbers (1–5) are used to describe the PFL confidence. Features with PFL confidence > 4 are rare and considered to be non-significant and are not plotted in the diagrams as the one with confidence 1–4.

3.4.2 Confidence level open fractures

The confidence level for open fractures describes the certainty with which the fracture is interpreted. In this report, three levels of confidence in the SICADA database are used;

Level 1 Certain

Level 2 Probable

Level 3 Possible

3.4.3 Database nomenclature

The interpretation of how the PFL anomalies are linked to mapped fractures or crush has been added to the original Boremap and PFL anomaly files provided by SKB. In Tables 3–1 to 3-4 the structure and explanations are shown.

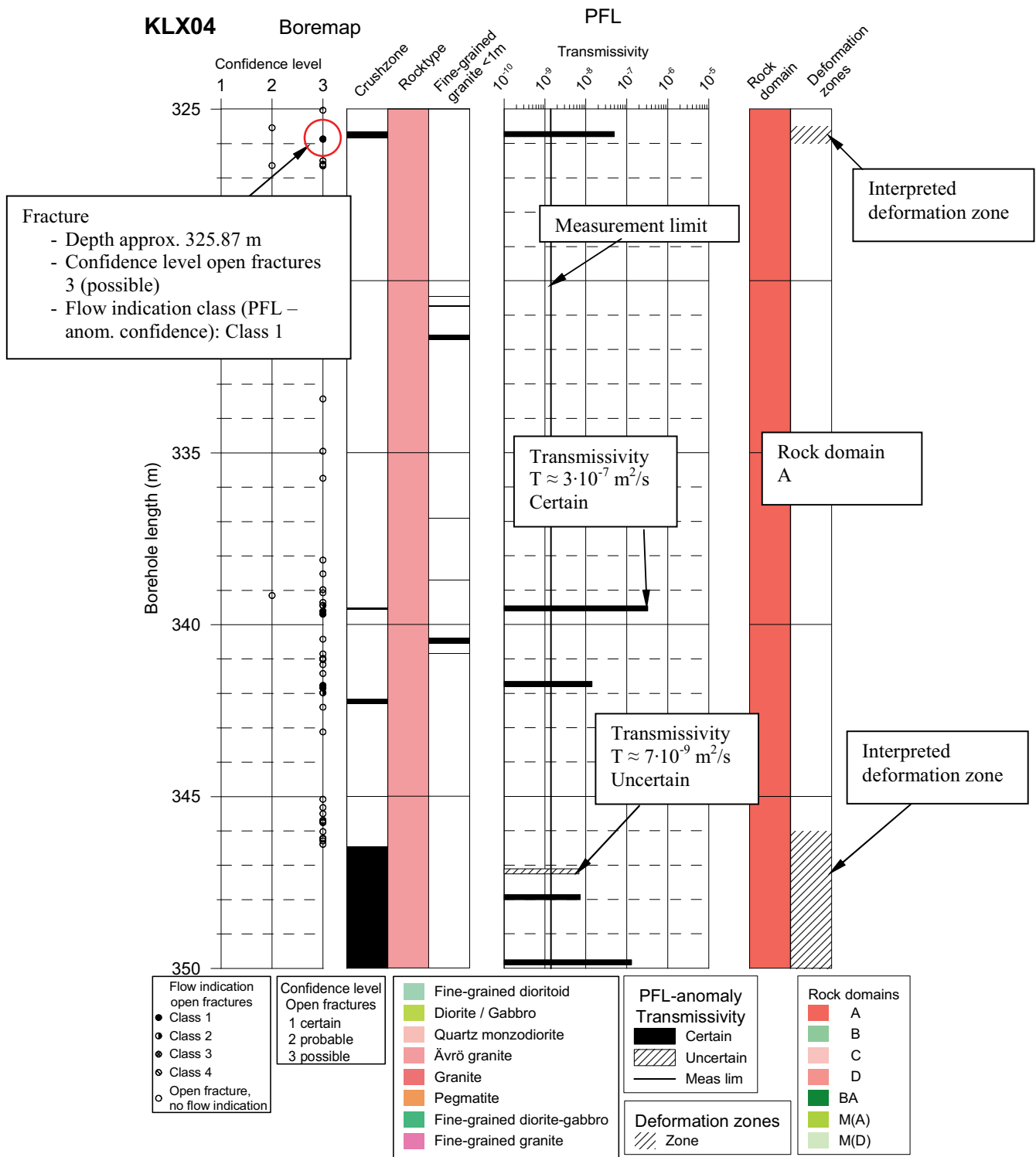


Figure 3-1. Example of a borehole diagram including an interpretation of the flow anomalies and mapped open fractures.

Table 3-1. Structure of essential columns in the database of fractures.

| No | Column name in database | Content | Originally in Boremap file | Interpretation of PFL anomalies |
|----|---------------------------------------|---|----------------------------|---------------------------------|
| 1 | FRACT_MAPPED | Broken/Unbroken, as found in core. | X | |
| 2 | FRACT_INTERPRET | Sealed/Open/Partly open, judgement by the geologist. | X | |
| 3 | FRACT_INTERPRET No | 1=Sealed/ 2=open/ 3= partly open . For Petrocore data: 1= Unbroken (assumed be sealed), 4= Broken, can probably be assumed to be open. | | (added sorting No) |
| 4 | APERTURE (mm) | Estimation of aperture from BIPS image. | X | |
| 5 | VISIBLE_IN_BIPS (code) | 1= Visible in BIPS/0=Not visible in BIPS. | X | |
| 6 | CONFIDENCE | Certain/Probable/Possible, judgement by the geolgist of the interpretation of FRACT_INTERPRET. | X | |
| 7 | CONFIDENCE No | 1=Certain/ 2=Probable/ 3=Possible, based on CONFIDENCE for the fracture. | | (added sorting No) |
| 8 | PFL anom (1) | An index set to 1 if geological features possibly can be associated to a PFL-f anomaly (one or several fractures (or crush) are documented as possible flowing features.) | | X |
| 9 | PFL-anom. No | PFL No in the PFL-f-anomaly file that is used together with the IDCODE for the borehole to identify PFL-f-anomaly properties. (Sequential numbering of PFL-f flow anomalies, starting with 1 for the uppermost flow anomaly in a specific borehole.) | | X |
| 10 | PFL-anom. Confidence | A number showing the shortest distance in dm between the geological features trace and the PFL-f anomaly position LA . If =0 then it is a sealed fracture that is broken or unbroken that is linked to the PFL-f anomaly and the interpretation is considered uncertain. | | X |
| 11 | PFL-Deviation fr. L (+ downwards, dm) | A number showing the distance in dm between the geological features adjusted secup and the position LA of the PFL-f anomaly. If positive it indicates that the geological feature is below the PFL-f anomaly . | | X |
| 12 | PFL- CONFIDENCE | Certain/Uncertain, judgement by the performer and reporter of the PFL-f measurements how certain the interpreted PFL-f anomaly was. | | X |
| 14 | PFL- CONFIDENCE No | 1=Certain/ 2= Uncertain, based on PFL-CONFIDENCE. | | X |
| 15 | Best Choice frac | The fracture that most probable corresponds to a PFL-f-anomaly is given No=1 (BC: Best Choice) | | X |
| 16 | Alt BC fr | If several fractures of the same character are within ± 0.2 m from the PFL-f-anomaly that could be chosen as "Best Choice fracture", the observation is notified with a number in the column, and the number indicates how many fractures that could be chosen as "Best Choice fracture". | | X |
| 17 | ADJUSTEDSECUP (m) | The mid point of a feature trace that generally has a sinusoidal shape on the BIPS image. | X | |
| 18 | STRIKE (degrees) | Strike of the fracture. | X | |
| 19 | DIP (degrees) | Dip of the fracture. | X | |

Table 3-2. Structure of essential columns in the database of crush zones.

| No | Column name in database | Content | Originally in Boremap file | Interpretation of PFL anomalies |
|----|---------------------------------------|--|----------------------------|---------------------------------|
| 1 | VARCODE | Crush Zone | X | |
| 8 | PFL anom (1) | An index set to 1 if geological features possibly can be associated to a PFL-f anomaly (one or several fractures (or crush) are documented as possible flowing features.) | | X |
| 9 | PFL-anom. No | PFL No in the PFL-f-anomaly file that is used together with the IDCODE for the borehole to identify PFL-f-anomaly properties. (Sequential numbering of PFL-f flow anomalies, starting with 1 for the uppermost flow anomaly in a specific borehole.) | | X |
| 10 | PFL-anom. Confidence | A number showing the shortest distance in dm between the geological features trace and the PFL-f anomaly position LA. | | X |
| 11 | PFL-Deviation fr. L (+ downwards, dm) | A number showing the distance in dm between the geological features adjusted secup and the position LA of the PFL-f anomaly. If positive it indicates that the geological feature is below the PFL-f anomaly. | | X |
| 12 | PFL- CONFIDENCE | Certain/ Uncertain, judgement by the performer and reporter of the PFL-f measurements how certain the interpreted PFL-f anomaly was. | | X |
| 14 | PFL- CONFIDENCE No | 1=Certain/ 2= Uncertain, based on PFL-CONFIDENCE. | | (added sorting No) |
| 15 | Best Choice crush | The crush that most probable corresponds to a PFL-anomaly is given No=1 | | X |
| 16 | Alt BC crush | If several crush are within ± 0.2 m from the PFL-anomaly that could be chosen as "Best Choice crush", the observation is notified with a number in the column, and the number indicates how many crush zones that could be chosen as "Best Choice crush" | | X |
| 17 | ADJUSTEDSECUP (m) | The mid point of the upper part of the crush zone trace that generally have a sinusoidal shape on the BIPS image. | X | |
| 18 | ADJUSTEDSECLow (m) | The mid point of the lower part of the crush zone trace that generally has a sinusoidal shape on the BIPS image. | X | |
| 19 | STRIKE (degrees) | Strike of first fracture set | X | |
| 20 | DIP (degrees) | Dip of first fracture set | X | |

Table 3-3. Structure of essential columns in the database of PFL anomalies.

| No | Column name in database | Content | Originally in PFL-anomaly file | Interpretation of PFL anomalies |
|----|-------------------------|--|--------------------------------|---------------------------------|
| 1 | PFL-anom. No | PFL No in the PFL-f-anomaly file that is used together with the IDCODE for the borehole to identify PFL-f-anomaly properties. (Sequential numbering of PFL-f flow anomalies, starting with 1 for the uppermost flow anomaly in a specific borehole.) | | X |
| 2 | LA | Position of flow anomaly along the borehole (same starting coordinate as for "secup, seclow in fracture and crush files) | X | |
| 3 | TRANSMISSIVITY_TDA | Estimated transmissivity of flow anomaly | X | |
| 4 | VALUE_TYPE_TDA | 0: value within range for test equipment. -1: value at or below measurement limit, +1 value at or above measurement limit. | X | |
| 5 | PFL- CONFIDENCE | Estimation of how certain the existence of the flow anomaly is | | (based on column comments) |
| 6 | PFL- CONFIDENCE No | Index based on PFL- CONFIDENCE | | (added sorting No) |

4 KLX22A

The borehole KLX22A was measured in June and August 2006. It was flow logged with PFL using 5 m test sections in borehole section interval 13.53 to 93.79 m (PFL-s). Lower most section in the borehole for statistics is the lowermost position of a flow anomaly in the borehole: 94.9 m. Flow logging for flow anomalies was made in the 1 m test sections (PFL-f) in PFL-s sections with measurable flow rates.

The borehole includes 43 PFL-anomalies, of which 33 are mapped as “certain”. 13 of the anomalies have been correlated to a single fracture. No anomalies have been correlated to the borehole sections mapped as crush zones.

From anomaly 38 (89.4 m) until anomaly 43 (94.9 m) a displacement is noticed between the traces from the BDT data in the BIPS image and the Boremap data. The adjusted secup in the Boremap data and the depth in the image are therefore different. In the assessment the Boremap data is chosen as the correct value for adjusted secup.

At anomaly 36 (86 m) a Broken, Sealed fracture is chosen as no Open fracture was present within 2 dm of the anomaly.

Table 4-1. Boremap data for the PFL-s measured interval in KLX22A.

| Object | KLX22A |
|--|-----------------|
| Measured interval in the borehole with PFL-s (m) | 13.53–94.9 |
| No of open fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 223 (18/58/147) |
| Mean fracture frequency of open fractures (fractures/m) | 2.74 |
| No of partly open fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 0 (0/0/0) |
| Mean fracture frequency of partly open fractures (fractures/m) | 0.000 |
| No of crush zones in the PFL-s measured interval | 0 |
| Appr. no of fractures in crush zones assuming 40 fr./m | 0.00 |
| Mean no of fractures in a crush zone | 0.00 |
| Mean fracture frequency of Total open fractures (All open, partly open and crush zone fractures) (features/m) | 2.74 |
| No of sealed fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 371 (370/1/0) |
| Mean fracture frequency of sealed fractures (fractures/m) | 4.56 |

Table 4-2. Flow anomalies in KLX22A.

| Object | KLX22A |
|--|---------------|
| Measured interval in the borehole with PFL-s (m) | 13.53–94.9 |
| Total No of PFL-f anomalies (“Certain”+”Uncertain”) | 43 |
| No of PFL-f anomalies mapped as “ Certain ” | 33 |
| No of PFL-f anomalies mapped in crush zones | 0 |
| Mean feature frequency of PFL-f anomalies (Total) (anomalies/m) | 0.528 |
| No of crush zones in the PFL-s interval, Total/No. with one or more PFL-f anomalies | 0/0 |
| Mean frequency of crush zones with PFL-f anomalies | 0.00 |
| PFL-f anomaly connected to a Geological feature (Best Choice), accuracy | |
| Number of PFL anomalies identified within distance < 0.2 m from Geological features (open and partly open fractures and crush zones) | 41 |
| Number of PFL anomalies identified within distance 0.2–0.4 m from Geological features (open and partly open fractures and crush zones) | 1 |
| Number of PFL anomalies identified within distance 0.2–0.5 m from Geological features (open and partly open fractures and crush zones) | 0 |
| Number of PFL anomalies identified within distance > 0.5 m from Geological features (open and partly open fractures and crush zones) | 0 |
| Number of PFL anomalies within a distance of 0.1 m from sealed fractures (broken/unbroken), thus, not correlated to open fractures or crush zones | 1/0 |
| Number of PFL anomalies within a distance of > 0.1 m from sealed fractures (broken/unbroken), thus, not correlated to open fractures or crush zones | 0/0 |

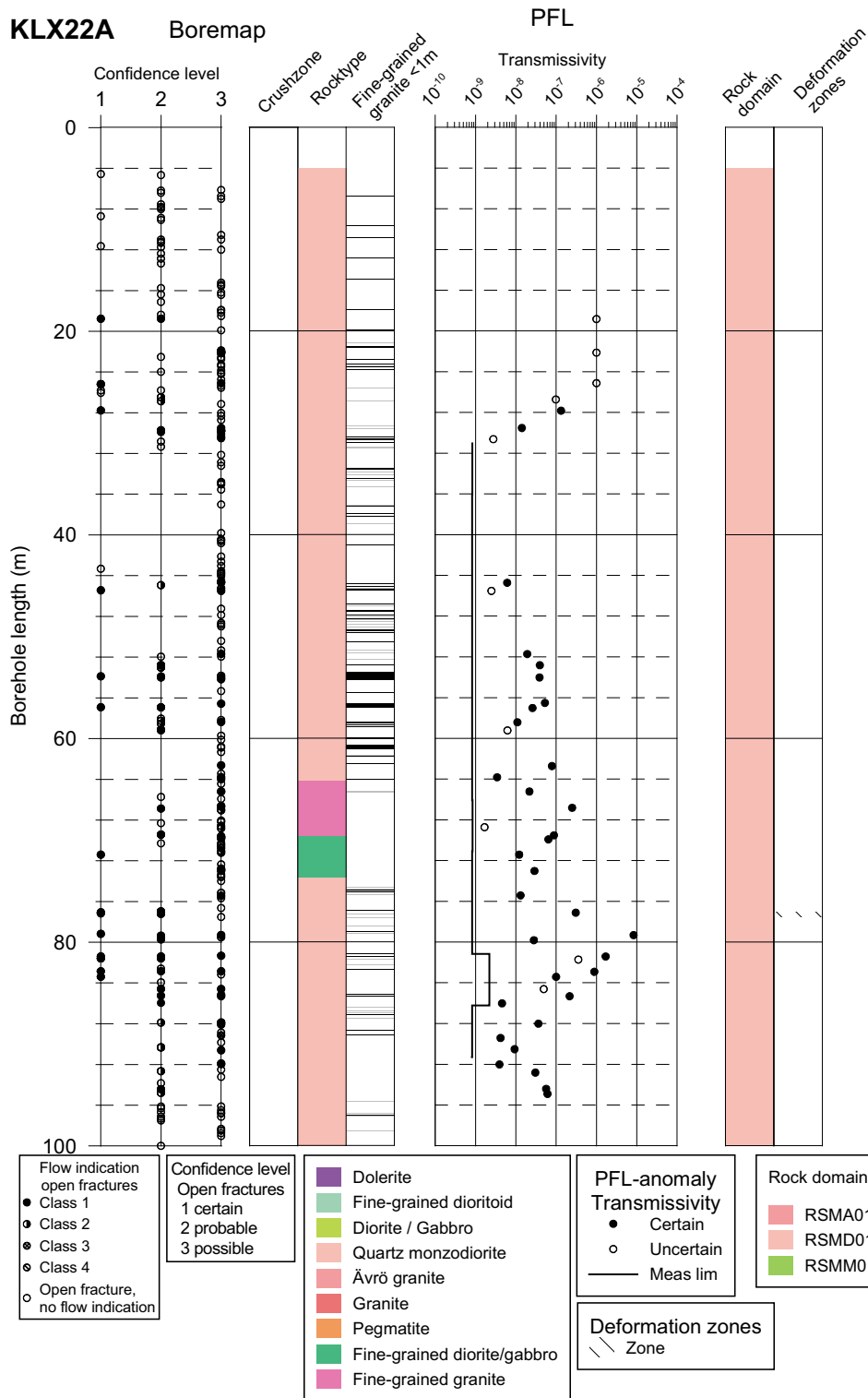


Figure 4-1. Correlations of hydraulic features based on PFL-f measurements, to mapped open/partly open fractures (all plotted as open fractures above) or crush zones in KLX22A. Interpreted deformation zones and Rock Domains shown to the right. Fractures with PFL-anom confidence (flow indication class above) > 4 are not plotted.

5 KLX22B

The borehole KLX22B was measured in June and August 2006. It was flow logged with PFL using 5 m test sections in borehole section interval 13.40 to 93.37 m (PFL-s). Flow logging for flow anomalies was made in the 1 m test sections (PFL-f) in PFL-s sections with measurable flow rates.

The borehole includes 28 PFL-anomalies, of which 22 are mapped as “certain”. 10 of the anomalies have been correlated to a single fracture. One anomaly has been correlated to the borehole sections mapped as crush zones.

At anomaly 2 (18.0 m) an Open, Probable fracture is chosen as an alternative best choice fracture to a the Best Choice which is a Open, Certain fracture as the fracture defined as a Probable in the Boremap data according to the BIPS image is just as open as the fracture defined as a Certain.

Table 5-1. Boremap data for the PFL-s measured interval in KLX22B.

| Object | KLX22B |
|---|----------------|
| Measured interval in the borehole with PFL-s (m) | 13.40–93.37 |
| No of open fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 195 (4/45/146) |
| Mean fracture frequency of open fractures (fractures/m) | 2.44 |
| No of partly open fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 0 (0/0/0) |
| Mean fracture frequency of partly open fractures (fractures/m) | 0.000 |
| No of crush zones in the PFL-s measured interval | 1 |
| Appr. no of fractures in crush zones assuming 40 fr./m | 8.72 |
| Mean no of fractures in a crush zone | 8.72 |
| Mean fracture frequency of Total open fractures (All open, partly open and crush zone fractures) (features/m) | 2.55 |
| No of sealed fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 346 (346/0/0) |
| Mean fracture frequency of sealed fractures (fractures/m) | 4.33 |

Table 5-2. Flow anomalies in KLX22B.

| Object | KLX22B |
|---|-------------|
| Measured interval in the borehole with PFL-s (m) | 13.40–93.37 |
| Total No of PFL-f anomalies (“Certain”+“Uncertain”) | 28 |
| No of PFL-f anomalies mapped as “ Certain ” | 22 |
| No of PFL-f anomalies mapped in crush zones | 1 |
| Mean feature frequency of PFL-f anomalies (Total) (anomalies/m) | 0.350 |
| No of crush zones in the PFL-s interval, Total/No. with one or more PFL-f anomalies | 1/1 |
| Mean frequency of crush zones with PFL-f anomalies | 1.00 |
| PFL-f anomaly connected to a Geological feature (Best Choice), accuracy | |
| Number of PFL anomalies identified within distance < 0.2 m from Geological features (open and partly open fractures and crush zones) | 26 |
| Number of PFL anomalies identified within distance 0.2–0.4 m from Geological features (open and partly open fractures and crush zones) | 2 |
| Number of PFL anomalies identified within distance 0.2–0.5 m from Geological features (open and partly open fractures and crush zones) | 0 |
| Number of PFL anomalies identified within distance > 0.5 m from Geological features (open and partly open fractures and crush zones) | 0 |
| Number of PFL anomalies within a distance of 0.1 m from sealed fractures (broken/unbroken), thus, not correlated to open fractures or crush zones | 0/0 |
| Number of PFL anomalies within a distance of > 0.1 m from sealed fractures (broken/unbroken), thus, not correlated to open fractures or crush zones | 0/0 |

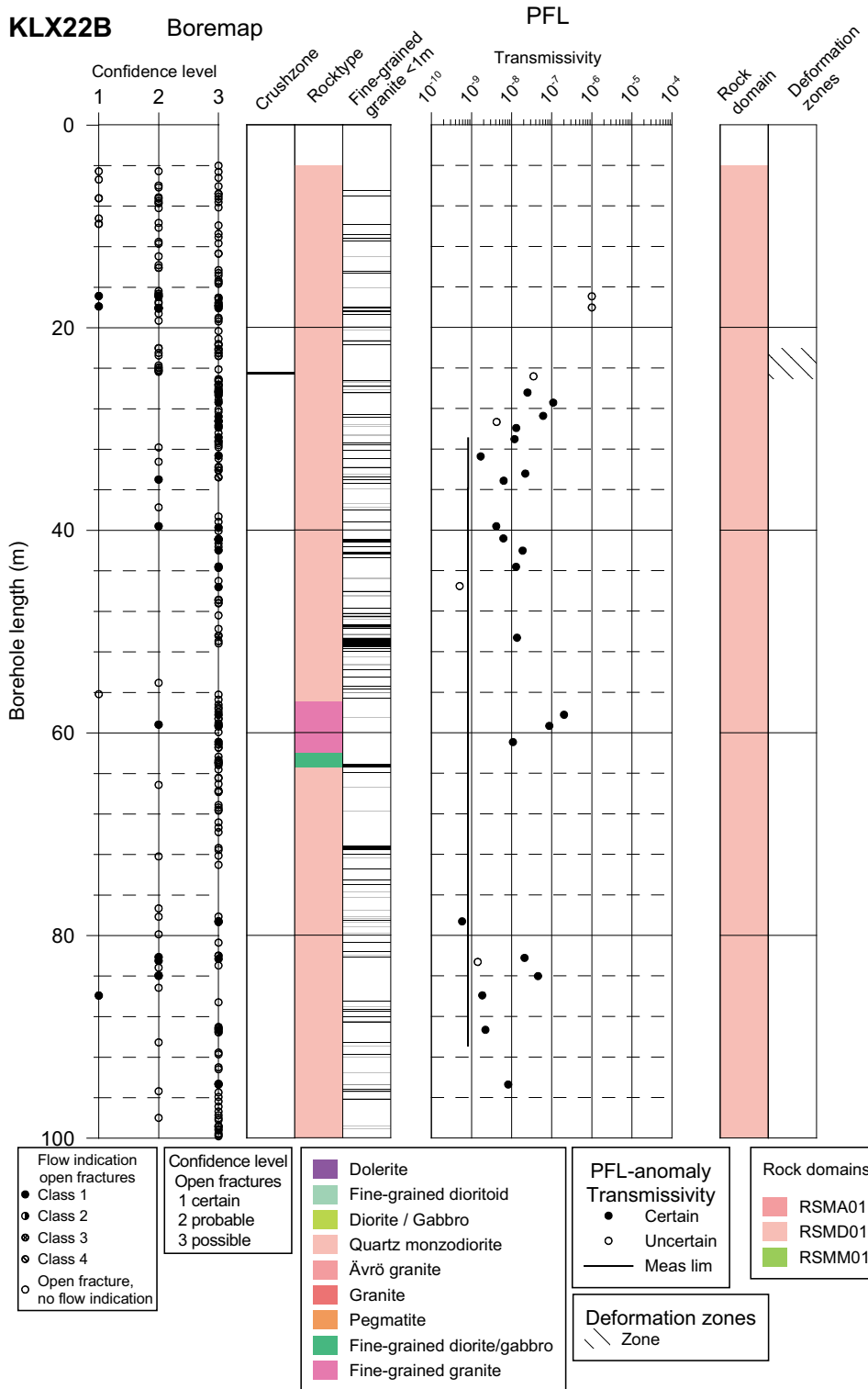


Figure 5-1. Correlations of hydraulic features based on PFL-f measurements, to mapped open/party open fractures (all plotted as open fractures above) or crush zones in KLX22B. Interpreted deformation zones and Rock Domains shown to the right. Fractures with PFL-anom confidence (flow indication class above) > 4 are not plotted.

6 KLX23A

The borehole KLX23A was measured in June and August 2006. It was flow logged with PFL using 5 m test sections in borehole section interval 19.28 to 94.28 m (PFL-s). Flow logging for flow anomalies was made in the 1 m test sections (PFL-f) in PFL-s sections with measurable flow rates.

The borehole includes 17 PFL-anomalies, of which 15 are mapped as “certain”. 13 of the anomalies have been correlated to a single fracture. No anomalies have been correlated to the borehole sections mapped as crush zones.

At anomaly 9 (70 m) and at anomaly 16 (92.8 m) no open fracture were present in the BIPS image nor in the Boremap data and fractures defined as sealed unbroken fracture were chosen.

At anomaly 15 (86.9 m) a possible displacement between the Boremap data and the BDT trace data in the BIPS image exists.

At anomaly 17 (94.1 m) strike or dip is not defined for the fracture chosen as Best Choice.

Table 6-1. Boremap data for the PFL-s measured interval in KLX23A.

| Object | KLX23A |
|--|---------------|
| Measured interval in the borehole with PFL-s (m) | 19.28–94.28 |
| No of open fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 40 (5/18/17) |
| Mean fracture frequency of open fractures (fractures/m) | 0.53 |
| No of partly open fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 0 (0/0/0) |
| Mean fracture frequency of partly open fractures (fractures/m) | 0.000 |
| No of crush zones in the PFL-s measured interval | 0 |
| Appr. no of fractures in crush zones assuming 40 fr./m | 0.00 |
| Mean no of fractures in a crush zone | 0.00 |
| Mean fracture frequency of Total open fractures (All open, partly open and crush zone fractures) (features/m) | 0.53 |
| No of sealed fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 135 (135/0/0) |
| Mean fracture frequency of sealed fractures (fractures/m) | 1.80 |

Table 6-2. Flow anomalies in KLX23A.

| Object | KLX23A |
|--|---------------|
| Measured interval in the borehole with PFL-s (m) | 19.28–94.28 |
| Total No of PFL-f anomalies (“Certain”+”Uncertain”) | 17 |
| No of PFL-f anomalies mapped as “ Certain ” | 15 |
| No of PFL-f anomalies mapped in crush zones | 0 |
| Mean feature frequency of PFL-f anomalies (Total) (anomalies/m) | 0.227 |
| No of crush zones in the PFL-s interval, Total/No. with one or more PFL-f anomalies | 0/0 |
| Mean frequency of crush zones with PFL-f anomalies | 0.00 |
| PFL-f anomaly connected to a Geological feature (Best Choice), accuracy | |
| Number of PFL anomalies identified within distance < 0.2 m from Geological features (open and partly open fractures and crush zones) | 15 |
| Number of PFL anomalies identified within distance 0.2–0.4 m from Geological features (open and partly open fractures and crush zones) | 0 |
| Number of PFL anomalies identified within distance 0.2–0.5 m from Geological features (open and partly open fractures and crush zones) | 0 |
| Number of PFL anomalies identified within distance > 0.5 m from Geological features (open and partly open fractures and crush zones) | 0 |
| Number of PFL anomalies within a distance of 0.1 m from sealed fractures (broken/unbroken), thus, not correlated to open fractures or crush zones | 0/1 |
| Number of PFL anomalies within a distance of > 0.1 m from sealed fractures (broken/unbroken), thus, not correlated to open fractures or crush zones | 0/1 |

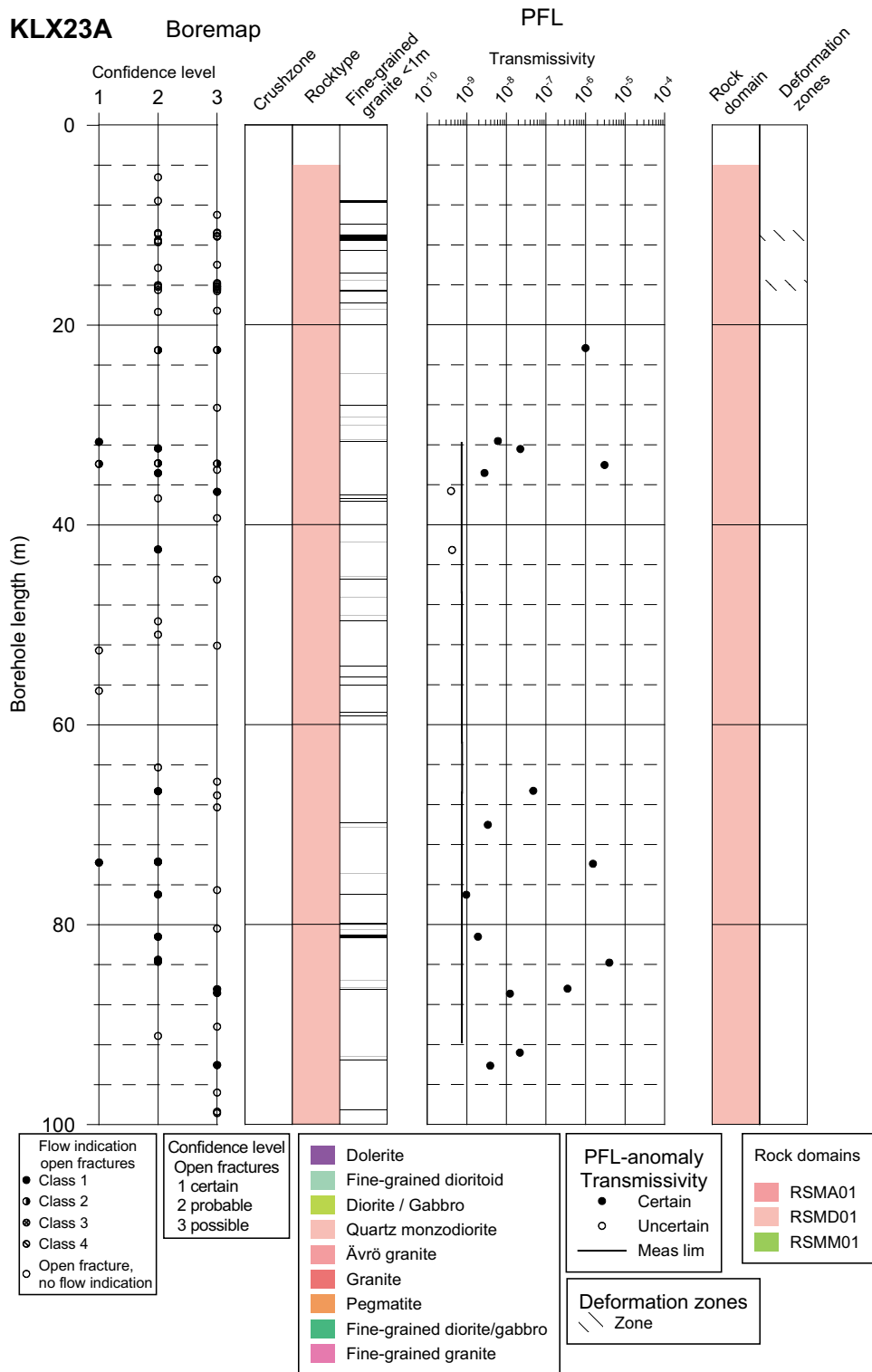


Figure 6-1. Correlations of hydraulic features based on PFL-f measurements, to mapped open/party open fractures (all plotted as open fractures above) or crush zones in KLX23A. Interpreted deformation zones and Rock Domains shown to the right. Fractures with PFL-anom confidence (flow indication class above) > 4 are not plotted.

7 KLX23B

The borehole KLX23B was measured in June and August 2006. It was flow logged with PFL using 5 m test sections in borehole section interval 14.88 to 44.88 m (PFL-s). Flow logging for flow anomalies was made in the 1 m test sections (PFL-f) in PFL-s sections with measurable flow rates.

The borehole includes 4 PFL-anomalies, of which 3 are mapped as “certain”. Four of the anomalies have been correlated to a single fracture. No anomalies have been correlated to the borehole sections mapped as crush zones.

Table 7-1. Boremap data for the PFL-s measured interval in KLX23B.

| Object | KLX23B |
|--|-------------|
| Measured interval in the borehole with PFL-s (m) | 14.88–44.88 |
| No of open fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 14 (0/3/11) |
| Mean fracture frequency of open fractures (fractures/m) | 0.47 |
| No of partly open fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 0 (0/0/0) |
| Mean fracture frequency of partly open fractures (fractures/m) | 0.000 |
| No of crush zones in the PFL-s measured interval | 0 |
| Appr. no of fractures in crush zones assuming 40 fr./m | 0.00 |
| Mean no of fractures in a crush zone | 0.00 |
| Mean fracture frequency of Total open fractures (All open, partly open and crush zone fractures) (features/m) | 0.47 |
| No of sealed fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 19 (19/0/0) |
| Mean fracture frequency of sealed fractures (fractures/m) | 0.63 |

Table 7-2. Flow anomalies in KLX23B.

| Object | KLX23B |
|--|-------------|
| Measured interval in the borehole with PFL-s (m) | 14.88–44.88 |
| Total No of PFL-f anomalies (“Certain”+“Uncertain”) | 4 |
| No of PFL-f anomalies mapped as “ Certain ” | 3 |
| No of PFL-f anomalies mapped in crush zones | 0 |
| Mean feature frequency of PFL-f anomalies (Total) (anomalies/m) | 0.133 |
| No of crush zones in the PFL-s interval, Total/No. with one or more PFL-f anomalies | 0/0 |
| Mean frequency of crush zones with PFL-f anomalies | 0.00 |
| PFL-f anomaly connected to a Geological feature (Best Choice), accuracy | |
| Number of PFL anomalies identified within distance < 0.2 m from Geological features (open and partly open fractures and crush zones) | 3 |
| Number of PFL anomalies identified within distance 0.2–0.4 m from Geological features (open and partly open fractures and crush zones) | 1 |
| Number of PFL anomalies identified within distance 0.2–0.5 m from Geological features (open and partly open fractures and crush zones) | 0 |
| Number of PFL anomalies identified within distance > 0.5 m from Geological features (open and partly open fractures and crush zones) | 0 |
| Number of PFL anomalies within a distance of 0.1 m from sealed fractures (broken/unbroken), thus, not correlated to open fractures or crush zones | 0/0 |
| Number of PFL anomalies within a distance of > 0.1 m from sealed fractures (broken/unbroken), thus, not correlated to open fractures or crush zones | 0/0 |

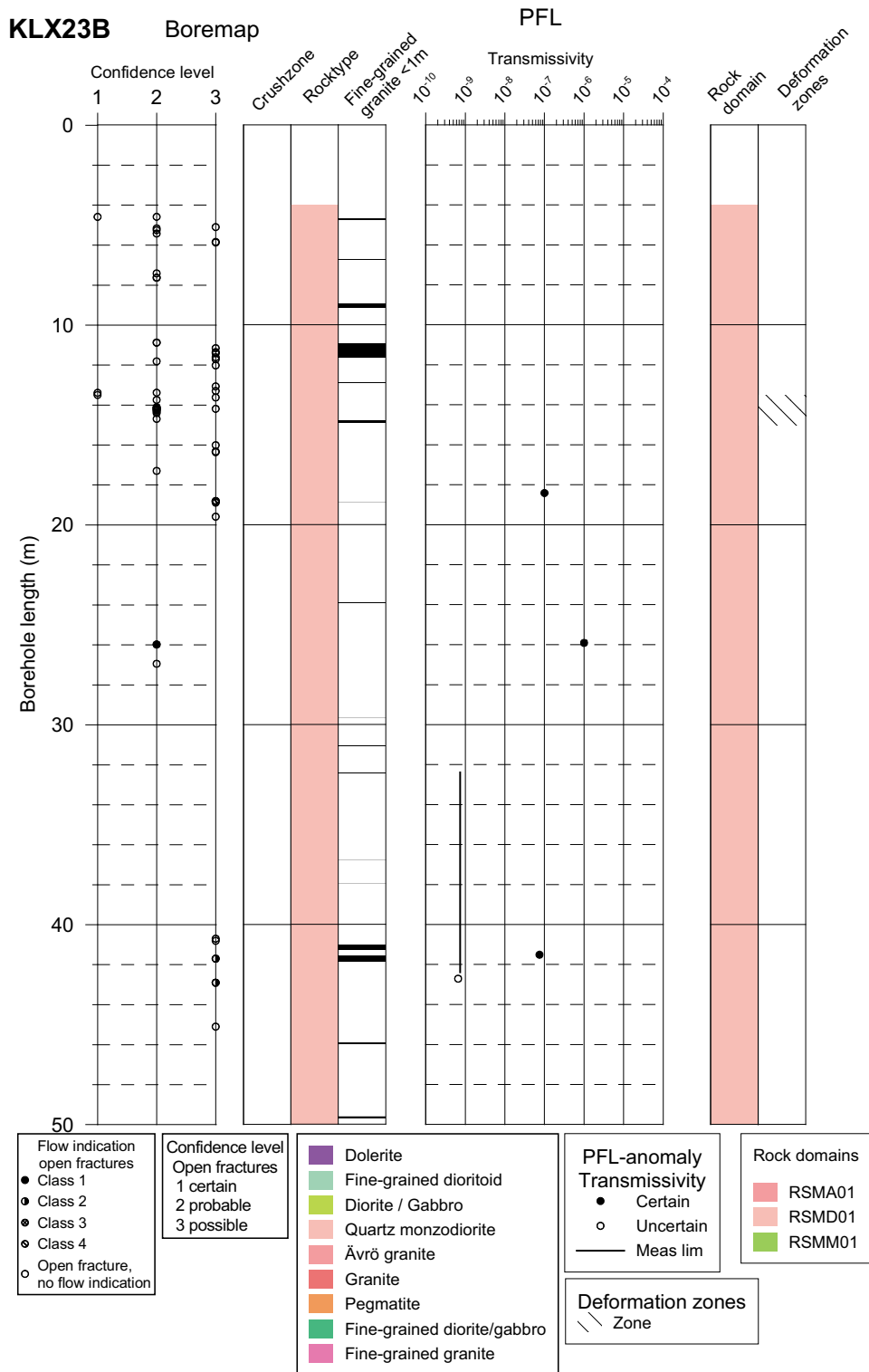


Figure 7-1. Correlations of hydraulic features based on PFL-f measurements, to mapped open/party open fractures (all plotted as open fractures above) or crush zones in KLX23B. Interpreted deformation zones and Rock Domains shown to the right. Fractures with PFL-anom confidence (flow indication class above) > 4 are not plotted.

8 KLX24A

The borehole KLX24A was measured in June and August 2006. It was flow logged with PFL using 5 m test sections in borehole section interval 18.36 to 93.46 m (PFL-s). Flow logging for flow anomalies was made in the 1 m test sections (PFL-f) in PFL-s sections with measurable flow rates.

The borehole includes 41 PFL-anomalies, of which 32 are mapped as “certain”. 6 of the anomalies have been correlated to a single fracture. Two anomalies have been correlated to the borehole sections mapped as crush zones.

At anomaly 22 (m) and at anomaly 28 (m) strike or dip are not defined for one or more fractures.

Table 8-1. Boremap data for the PFL-s measured interval in KLX24A.

| Object | KLX24A |
|--|-----------------|
| Measured interval in the borehole with PFL-s (m) | 18.36–93.46 |
| No of open fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 305 (21/93/191) |
| Mean fracture frequency of open fractures (fractures/m) | 4.06 |
| No of partly open fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 2 (2/0/0) |
| Mean fracture frequency of partly open fractures (fractures/m) | 0.027 |
| No of crush zones in the PFL-s measured interval | 6 |
| Appr. no of fractures in crush zones assuming 40 fr./m | 25.20 |
| Mean no of fractures in a crush zone | 4.20 |
| Mean fracture frequency of Total open fractures (All open, partly open and crush zone fractures) (features/m) | 4.42 |
| No of sealed fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 400 (400/0/0) |
| Mean fracture frequency of sealed fractures (fractures/m) | 5.33 |

Table 8-2. Flow anomalies in KLX24A.

| Object | KLX24A |
|--|-------------|
| Measured interval in the borehole with PFL-s (m) | 18.36–93.46 |
| Total No of PFL-f anomalies (“Certain”+“Uncertain”) | 41 |
| No of PFL-f anomalies mapped as “ Certain ” | 32 |
| No of PFL-f anomalies mapped in crush zones | 2 |
| Mean feature frequency of PFL-f anomalies (Total) (anomalies/m) | 0.546 |
| No of crush zones in the PFL-s interval, Total/No. with one or more PFL-f anomalies | 6/3 |
| Mean frequency of crush zones with PFL-f anomalies | 0.50 |
| PFL-f anomaly connected to a Geological feature (Best Choice), accuracy | |
| Number of PFL anomalies identified within distance < 0.2 m from Geological features (open and partly open fractures and crush zones) | 40 |
| Number of PFL anomalies identified within distance 0.2–0.4 m from Geological features (open and partly open fractures and crush zones) | 1 |
| Number of PFL anomalies identified within distance 0.2–0.5 m from Geological features (open and partly open fractures and crush zones) | 0 |
| Number of PFL anomalies identified within distance > 0.5 m from Geological features (open and partly open fractures and crush zones) | 0 |
| Number of PFL anomalies within a distance of 0.1 m from sealed fractures (broken/unbroken), thus, not correlated to open fractures or crush zones | 0/0 |
| Number of PFL anomalies within a distance of > 0.1 m from sealed fractures (broken/unbroken), thus, not correlated to open fractures or crush zones | 0/0 |

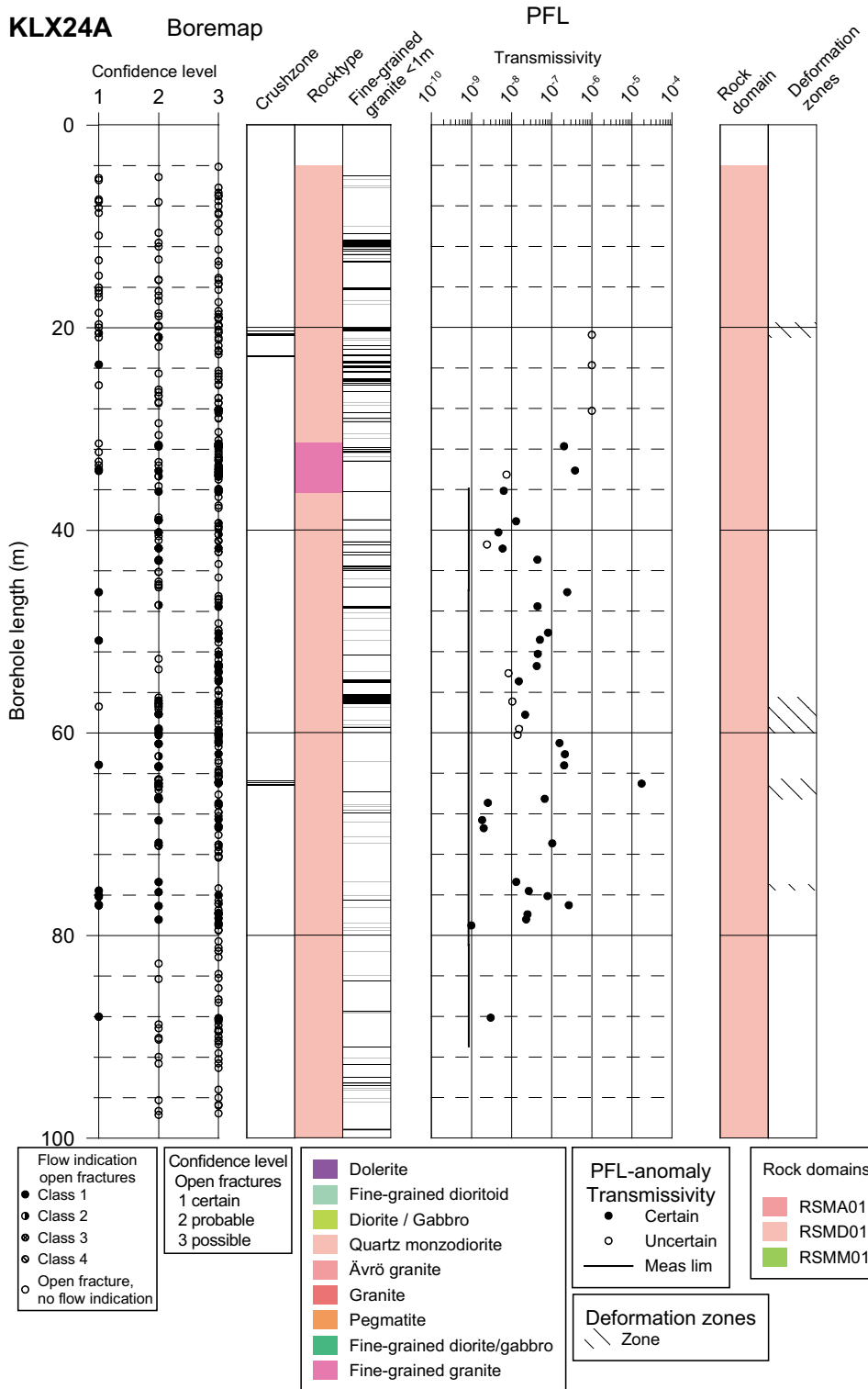


Figure 8-1. Correlations of hydraulic features based on PFL-f measurements, to mapped open/partially open fractures (all plotted as open fractures above) or crush zones in KLX24A. Interpreted deformation zones and Rock Domains shown to the right. Fractures with PFL-anom confidence (flow indication class above) > 4 are not plotted.

9 KLX25A

The borehole KLX25A was measured in June and August 2006. It was flow logged with PFL using 5 m test sections in borehole section interval 13.82 to 43.82 m (PFL-s). Flow logging for flow anomalies was made in the 1 m test sections (PFL-f) in PFL-s sections with measurable flow rates.

The borehole includes 8 PFL-anomalies, of which 4 are mapped as “certain”. Two of the anomalies have been correlated to a single fracture. No anomalies have been correlated to the borehole sections mapped as crush zones.

In the vicinity of anomaly 1 (16.8 m) one open fracture is visible in the BIPS image but the trace from the BDT data does not correspond to this fracture.

At anomaly 7 (35.2 m) strike or dip are not defined for two of the fractures.

Table 9-1. Boremap data for the PFL-s measured interval in KLX25A.

| Object | KLX25A |
|--|---------------|
| Measured interval in the borehole with PFL-s (m) | 13.82–43.82 |
| No of open fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 60 (6/15/47) |
| Mean fracture frequency of open fractures (fractures/m) | 2.27 |
| No of partly open fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 0 (0/0/0) |
| Mean fracture frequency of partly open fractures (fractures/m) | 0.000 |
| No of crush zones in the PFL-s measured interval | 0 |
| Appr. no of fractures in crush zones assuming 40 fr./m | 0.00 |
| Mean no of fractures in a crush zone | 0.00 |
| Mean fracture frequency of Total open fractures (All open, partly open and crush zone fractures) (features/m) | 2.27 |
| No of sealed fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 165 (165/0/0) |
| Mean fracture frequency of sealed fractures (fractures/m) | 5.50 |

Table 9-2. Flow anomalies in KLX25A.

| Object | KLX25A |
|--|---------------|
| Measured interval in the borehole with PFL-s (m) | 13.82–43.82 |
| Total No of PFL-f anomalies (“Certain”+“Uncertain”) | 8 |
| No of PFL-f anomalies mapped as “ Certain ” | 4 |
| No of PFL-f anomalies mapped in crush zones | 0 |
| Mean feature frequency of PFL-f anomalies (Total) (anomalies/m) | 0.267 |
| No of crush zones in the PFL-s interval, Total/No. with one or more PFL-f anomalies | 0/0 |
| Mean frequency of crush zones with PFL-f anomalies | 0.00 |
| PFL-f anomaly connected to a Geological feature (Best Choice), accuracy | |
| Number of PFL anomalies identified within distance < 0.2 m from Geological features (open and partly open fractures and crush zones) | 6 |
| Number of PFL anomalies identified within distance 0.2–0.4 m from Geological features (open and partly open fractures and crush zones) | 2 |
| Number of PFL anomalies identified within distance 0.2–0.5 m from Geological features (open and partly open fractures and crush zones) | 0 |
| Number of PFL anomalies identified within distance > 0.5 m from Geological features (open and partly open fractures and crush zones) | 0 |
| Number of PFL anomalies within a distance of 0.1 m from sealed fractures (broken/unbroken), thus, not correlated to open fractures or crush zones | 0/0 |
| Number of PFL anomalies within a distance of > 0.1 m from sealed fractures (broken/unbroken), thus, not correlated to open fractures or crush zones | 0/0 |

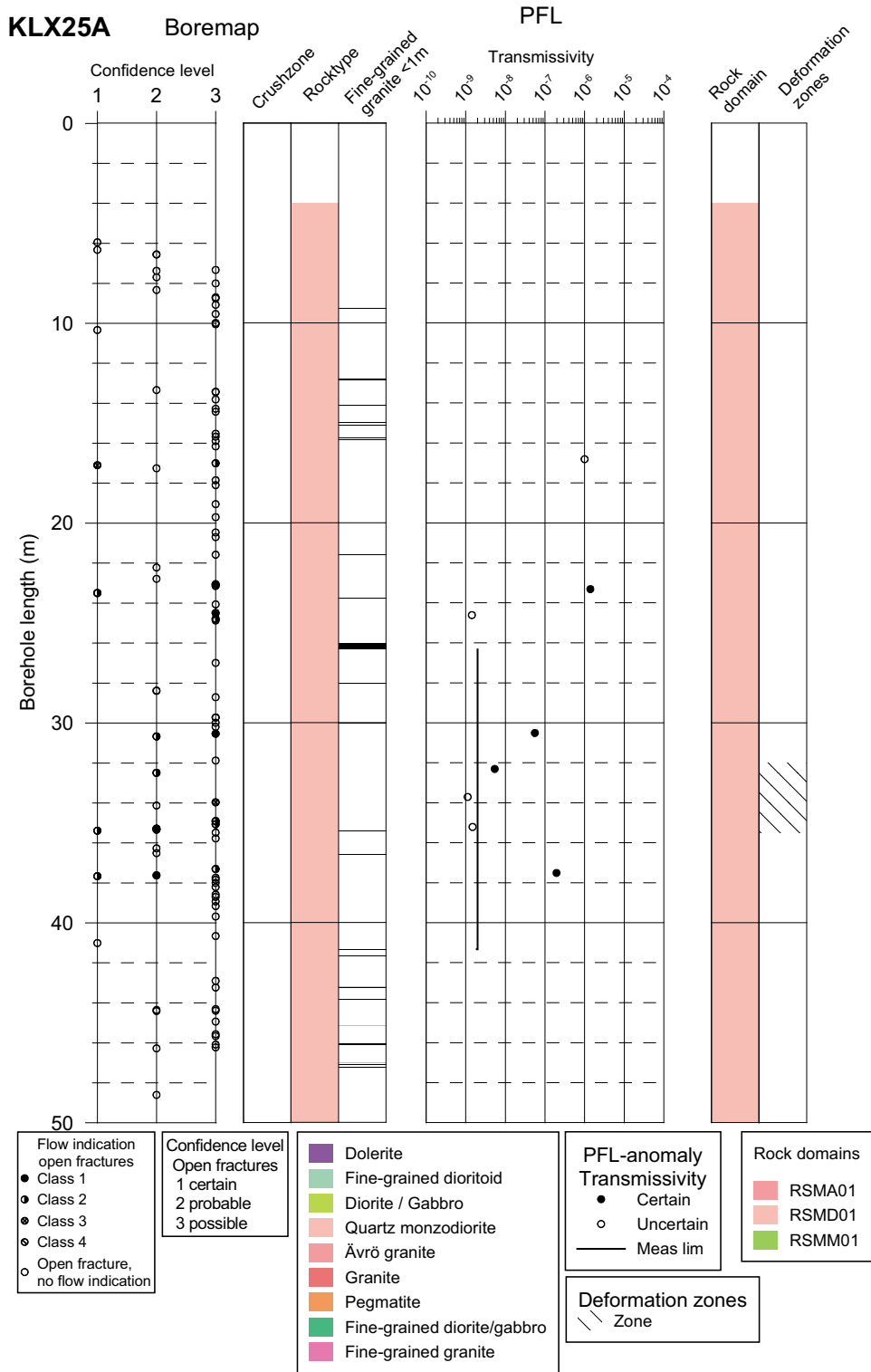


Figure 9-1. Correlations of hydraulic features based on PFL-f measurements, to mapped open/party open fractures (all plotted as open fractures above) or crush zones in KLX25A. Interpreted deformation zones and Rock Domains shown to the right. Fractures with PFL-anom confidence (flow indication class above) > 4 are not plotted.

10 KLX26A

The borehole KLX26A was measured in February 2006. It was flow logged with PFL using 1 m test sections in borehole section interval 15 to 94 m (PFL-f). (No PFL-s logging was made, and the measurement limit was not estimated.)

The borehole includes 25 PFL-anomalies, of which 17 are mapped as “certain”. 5 of the anomalies have been correlated to a single fracture. 5 anomalies have been correlated to the borehole sections mapped as crush zones.

The Boremap data does not define strike or dip for one open fracture at anomaly 1 (17.6 m), one open fracture at anomaly 13 (37.4 m) and three open fractures at anomaly 19 (44.9 m).

A crush zone is present over the two anomalies 15 (38.8 m) and 16 (39.4 m).

Table 10-1. Boremap data for the PFL-s measured interval in KLX26A.

| Object | KLX26A |
|--|------------------|
| Measured interval in the borehole with PFL-s (m) | 15–94 |
| No of open fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 306 (17/134/155) |
| Mean fracture frequency of open fractures (fractures/m) | 3.87 |
| No of partly open fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 1 (1/0/0) |
| Mean fracture frequency of partly open fractures (fractures/m) | 0.013 |
| No of crush zones in the PFL-s measured interval | 4 |
| Appr. no of fractures in crush zones assuming 40 fr./m | 61.24 |
| Mean no of fractures in a crush zone | 15.31 |
| Mean fracture frequency of Total open fractures (All open, partly open and crush zone fractures) (features/m) | 4.66 |
| No of sealed fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 311 (311/0/0) |
| Mean fracture frequency of sealed fractures (fractures/m) | 3.94 |

Table 10-2. Flow anomalies in KLX26A.

| Object | KLX26A |
|--|--------|
| Measured interval in the borehole with PFL-s (m) | 15–94 |
| Total No of PFL-f anomalies (“Certain”+“Uncertain”) | 25 |
| No of PFL-f anomalies mapped as “ Certain ” | 17 |
| No of PFL-f anomalies mapped in crush zones | 5 |
| Mean feature frequency of PFL-f anomalies (Total) (anomalies/m) | 0.316 |
| No of crush zones in the PFL-s interval, Total/No. with one or more PFL-f anomalies | 4/3 |
| Mean frequency of crush zones with PFL-f anomalies | 0.75 |
| PFL-f anomaly connected to a Geological feature (Best Choice), accuracy | |
| Number of PFL anomalies identified within distance < 0.2 m from Geological features (open and partly open fractures and crush zones) | 25 |
| Number of PFL anomalies identified within distance 0.2–0.4 m from Geological features (open and partly open fractures and crush zones) | 0 |
| Number of PFL anomalies identified within distance 0.2–0.5 m from Geological features (open and partly open fractures and crush zones) | 0 |
| Number of PFL anomalies identified within distance > 0.5 m from Geological features (open and partly open fractures and crush zones) | 0 |
| Number of PFL anomalies within a distance of 0.1 m from sealed fractures (broken/unbroken), thus, not correlated to open fractures or crush zones | 0/0 |
| Number of PFL anomalies within a distance of > 0.1 m from sealed fractures (broken/unbroken), thus, not correlated to open fractures or crush zones | 0/0 |

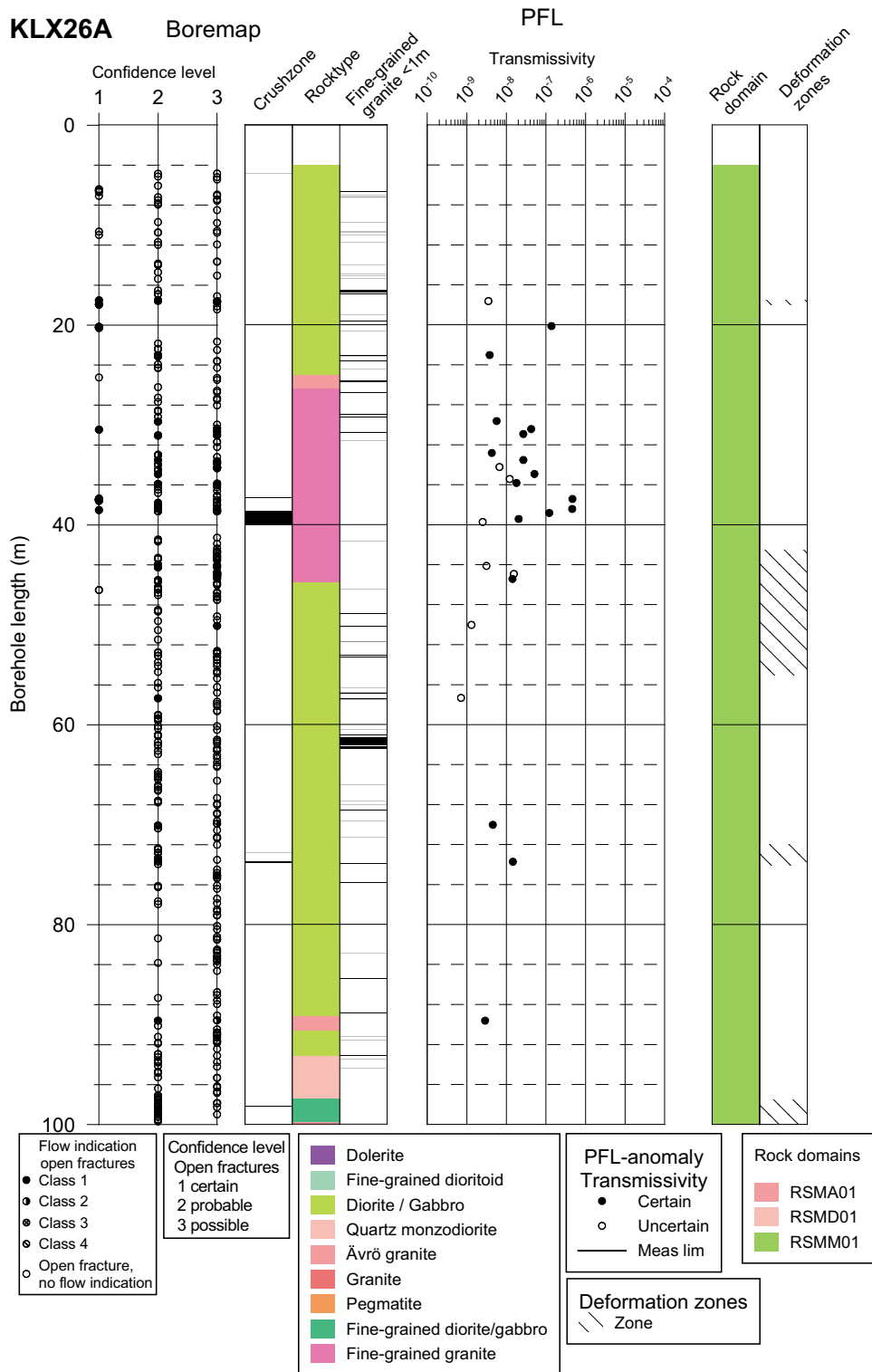


Figure 10-1. Correlations of hydraulic features based on PFL-f measurements, to mapped open/partly open fractures (all plotted as open fractures above) or crush zones in KLX26A. Interpreted deformation zones and Rock Domains shown to the right. Fractures with PFL-anom confidence (flow indication class above) > 4 are not plotted.

11 KLX26B

The borehole KLX26B was measured in February 2006. It was flow logged with PFL using 1 m test sections in borehole section interval 15 to 43 m (PFL-f). (No PFL-s logging was performed, and the measurement limit was not estimated.)

The borehole includes 17 PFL-anomalies, of which 10 are mapped as “certain”. One of the anomalies has been correlated to a single fracture. No anomalies have been correlated to the borehole sections mapped as crush zones.

In the vicinity of anomaly 12 (32.2 m) several fractures are visible in the BIPS image but without trace from the BDT file present.

Table 11-1. Boremap data for the PFL-s measured interval in KLX26B.

| Object | KLX26B |
|--|----------------|
| Measured interval in the borehole with PFL-s (m) | 15–43 |
| No of open fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 154 (8/16/130) |
| Mean fracture frequency of open fractures (fractures/m) | 5.50 |
| No of partly open fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 1 (1/0/0) |
| Mean fracture frequency of partly open fractures (fractures/m) | 0.036 |
| No of crush zones in the PFL-s measured interval | 0 |
| Appr. no of fractures in crush zones assuming 40 fr./m | 0.00 |
| Mean no of fractures in a crush zone | 0.00 |
| Mean fracture frequency of Total open fractures (All open, partly open and crush zone fractures) (features/m) | 5.54 |
| No of sealed fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 50 (50/0/0) |
| Mean fracture frequency of sealed fractures (fractures/m) | 1.79 |

Table 11-2. Flow anomalies in KLX26B.

| Object | KLX26B |
|--|--------|
| Measured interval in the borehole with PFL-s (m) | 15–43 |
| Total No of PFL-f anomalies (“Certain”+“Uncertain”) | 17 |
| No of PFL-f anomalies mapped as “ Certain ” | 10 |
| No of PFL-f anomalies mapped in crush zones | 0 |
| Mean feature frequency of PFL-f anomalies (Total) (anomalies/m) | 0.607 |
| No of crush zones in the PFL-s interval, Total/No. with one or more PFL-f anomalies | 0/0 |
| Mean frequency of crush zones with PFL-f anomalies | 0.00 |
| PFL-f anomaly connected to a Geological feature (Best Choice), accuracy | |
| Number of PFL anomalies identified within distance < 0.2 m from Geological features (open and partly open fractures and crush zones) | 17 |
| Number of PFL anomalies identified within distance 0.2–0.4 m from Geological features (open and partly open fractures and crush zones) | 0 |
| Number of PFL anomalies identified within distance 0.2–0.5 m from Geological features (open and partly open fractures and crush zones) | 0 |
| Number of PFL anomalies identified within distance > 0.5 m from Geological features (open and partly open fractures and crush zones) | 0 |
| Number of PFL anomalies within a distance of 0.1 m from sealed fractures (broken/unbroken), thus, not correlated to open fractures or crush zones | 0/0 |
| Number of PFL anomalies within a distance of > 0.1 m from sealed fractures (broken/unbroken), thus, not correlated to open fractures or crush zones | 0/0 |

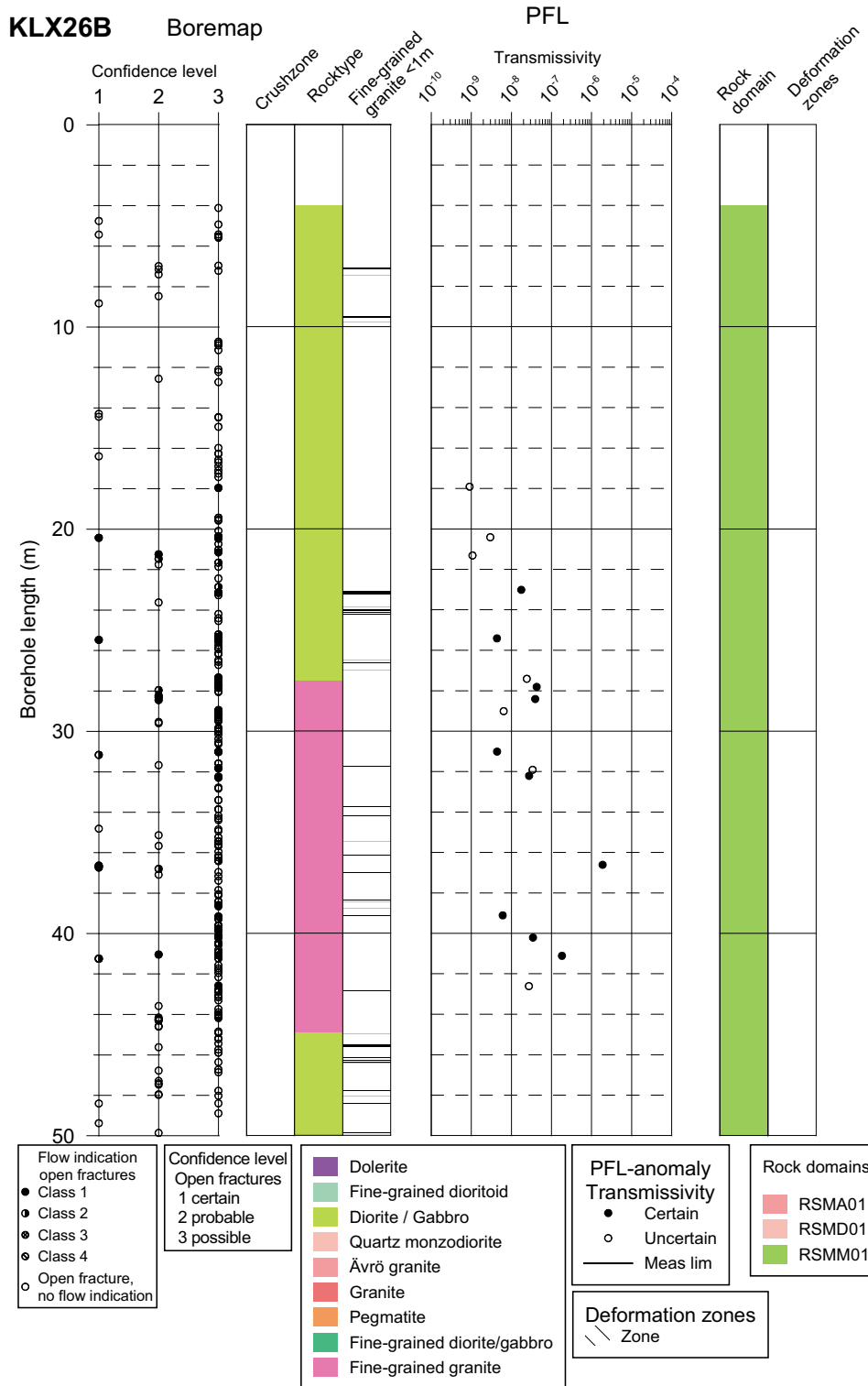


Figure 11-1. Correlations of hydraulic features based on PFL-f measurements, to mapped open/partly open fractures (all plotted as open fractures above) or crush zones in KLX26B. Interpreted deformation zones and Rock Domains shown to the right. Fractures with PFL-anom confidence (flow indication class above) > 4 are not plotted.

12 KLX27A

The borehole KLX27A was measured in December 2007 until January 2008. It was flow logged with PFL using 5 m test sections in borehole section interval 70.38 to 640.61 m (PFL-s). Flow logging for flow anomalies (PFL-f) was made in the 1 m test sections in PFL-s sections with measurable flow rates.

The borehole includes 50 PFL-anomalies, of which 37 are mapped as “certain”. 17 of the anomalies have been correlated to one single fracture. 4 anomalies have been correlated to the borehole sections mapped as crush zones.

Strike and dip in the BIPS picture are not exactly correlated to the strike and dip given from the Boremap data, as a slight difference exists between the given angle of the borehole.

At anomaly no. 35 (550.2 m) a sealed fracture was chosen since no broken open fractures were present within 5 dm of the anomaly. At anomaly no. 46 (632 m) and no. 47 (634.6 m) a difference of about 2 dm and 5 dm between the visible fracture in the BIPS picture and the Boremap data are noticeable. The fractures are chosen according to the Boremap data.

At anomaly no. 48 (641.8 m) the fracture chosen as the best choice does not have a white marker, but the fracture is obvious in the BIPS picture. At anomaly no. 49 (642.4 m) strike and dip in the BIPS picture cannot match the strike and dip given in the Boremap data.

Table 12-1. Boremap data for the PFL-s measured interval in KLX27A.

| Object | KLX27A |
|--|-------------------|
| Measured interval in the borehole with PFL-s (m) | 70.38–640.61 |
| No of open fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 836 (110/405/321) |
| Mean fracture frequency of open fractures (fractures/m) | 1.47 |
| No of partly open fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 27 (27/0/0) |
| Mean fracture frequency of partly open fractures (fractures/m) | 0.047 |
| No of crush zones in the PFL-s measured interval | 7 |
| Appr. no of fractures in crush zones assuming 40 fr./m | 41.56 |
| Mean no of fractures in a crush zone | 5.94 |
| Mean fracture frequency of Total open fractures (All open, partly open and crush zone fractures) (features/m) | 1.59 |
| No of sealed fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 2,048 (2,046/0/2) |
| Mean fracture frequency of sealed fractures (fractures/m) | 3.59 |

Table 12-2. Flow anomalies in KLX27A.

| Object | KLX27A |
|--|------------------|
| Measured interval in the borehole with PFL-s (m) | 70.38– 640.61 |
| Total No of PFL-f anomalies (“Certain”+“Uncertain”) | 50 |
| No of PFL-f anomalies mapped as “ Certain ” | 37 |
| No of PFL-f anomalies mapped in crush zones | 4 |
| Mean feature frequency of PFL-f anomalies (Total) (anomalies/m) | 0.088 |
| No of crush zones in the PFL-s interval, Total/No. with one or more PFL-f anomalies | 7/4 |
| Mean frequency of crush zones with PFL-f anomalies | 0.57 |
| PFL-f anomaly connected to a Geological feature (Best Choice), accuracy | |
| Number of PFL anomalies identified within distance < 0.2 m from Geological features (open and partly open fractures and crush zones) | 46 |
| Number of PFL anomalies identified within distance 0.2–0.4 m from Geological features (open and partly open fractures and crush zones) | 2 |
| Number of PFL anomalies identified within distance 0.2–0.5 m from Geological features (open and partly open fractures and crush zones) | 1 |
| Number of PFL anomalies identified within distance > 0.5 m from Geological features (open and partly open fractures and crush zones) | 0 |
| Number of PFL anomalies within a distance of 0.1 m from sealed fractures (broken/unbroken), thus, not correlated to open fractures or crush zones | 0/0 |
| Number of PFL anomalies within a distance of > 0.1 m from sealed fractures (broken/unbroken), thus, not correlated to open fractures or crush zones | 0/1 |

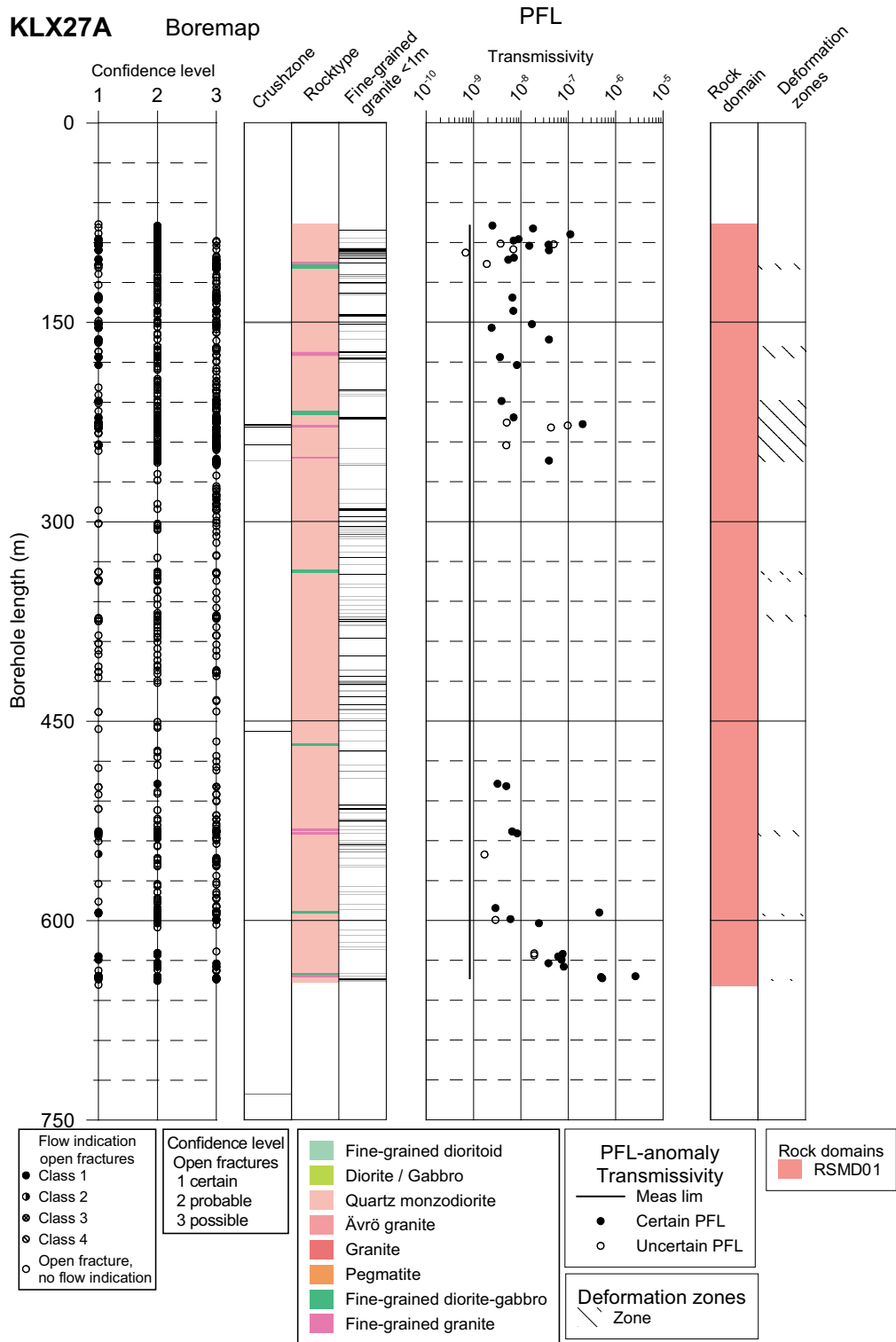


Figure 12-1. Correlations of hydraulic features based on PFL-f measurements, to mapped open/partly open fractures (all plotted as open fractures above) or crush zones in 27A. Interpreted deformation zones and Rock Domains shown to the right. Fractures with PFL-anom confidence (flow indication class above) > 4 are not plotted.

13 KLX28A

The borehole KLX28A was measured in November 2006. It was flow logged with PFL using 5 m test sections in borehole section interval 16.97 to 72.04 m (PFL-s). Lowermost section in the borehole for statistics is the lowermost position of a flow anomaly in the borehole: 75.4 m. Flow logging for flow anomalies (PFL-f) was made in the 1 m test sections in PFL-s sections with measurable flow rates.

The borehole includes 36 PFL-anomalies, of which 27 are mapped as “certain”. 11 of the anomalies have been correlated to a single fracture. Three anomalies have been correlated to the borehole sections mapped as crush zones.

Anomalies 5 (24.4 m) and 6 (26 m) have the same fracture as Best Choice option.

Table 13-1. Boremap data for the PFL-s measured interval in KLX28A.

| Object | KLX28A |
|--|---------------|
| Measured interval in the borehole with PFL-s (m) | 16.97–75.4 |
| No of open fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 164 (1/87/76) |
| Mean fracture frequency of open fractures (fractures/m) | 2.81 |
| No of partly open fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 0 (0/0/0) |
| Mean fracture frequency of partly open fractures (fractures/m) | 0.000 |
| No of crush zones in the PFL-s measured interval | 3 |
| Appr. no of fractures in crush zones assuming 40 fr./m | 12.40 |
| Mean no of fractures in a crush zone | 4.13 |
| Mean fracture frequency of Total open fractures (All open, partly open and crush zone fractures) (features/m) | 3.02 |
| No of sealed fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 241 (241/0/0) |
| Mean fracture frequency of sealed fractures (fractures/m) | 4.12 |

Table 13-2. Flow anomalies in KLX28A.

| Object | KLX28A |
|--|------------|
| Measured interval in the borehole with PFL-s (m) | 16.97–75.4 |
| Total No of PFL-f anomalies (“Certain”+”Uncertain”) | 36 |
| No of PFL-f anomalies mapped as “ Certain ” | 27 |
| No of PFL-f anomalies mapped in crush zones | 3 |
| Mean feature frequency of PFL-f anomalies (Total) (anomalies/m) | 0.616 |
| No of crush zones in the PFL-s interval, Total/No. with one or more PFL-f anomalies | 3/3 |
| Mean frequency of crush zones with PFL-f anomalies | 1.00 |
| PFL-f anomaly connected to a Geological feature (Best Choice), accuracy | |
| Number of PFL anomalies identified within distance < 0.2 m from Geological features (open and partly open fractures and crush zones) | 36 |
| Number of PFL anomalies identified within distance 0.2–0.4 m from Geological features (open and partly open fractures and crush zones) | 0 |
| Number of PFL anomalies identified within distance 0.2–0.5 m from Geological features (open and partly open fractures and crush zones) | 0 |
| Number of PFL anomalies identified within distance > 0.5 m from Geological features (open and partly open fractures and crush zones) | 0 |
| Number of PFL anomalies within a distance of 0.1 m from sealed fractures (broken/unbroken), thus, not correlated to open fractures or crush zones | 0/0 |
| Number of PFL anomalies within a distance of > 0.1 m from sealed fractures (broken/unbroken), thus, not correlated to open fractures or crush zones | 0/0 |

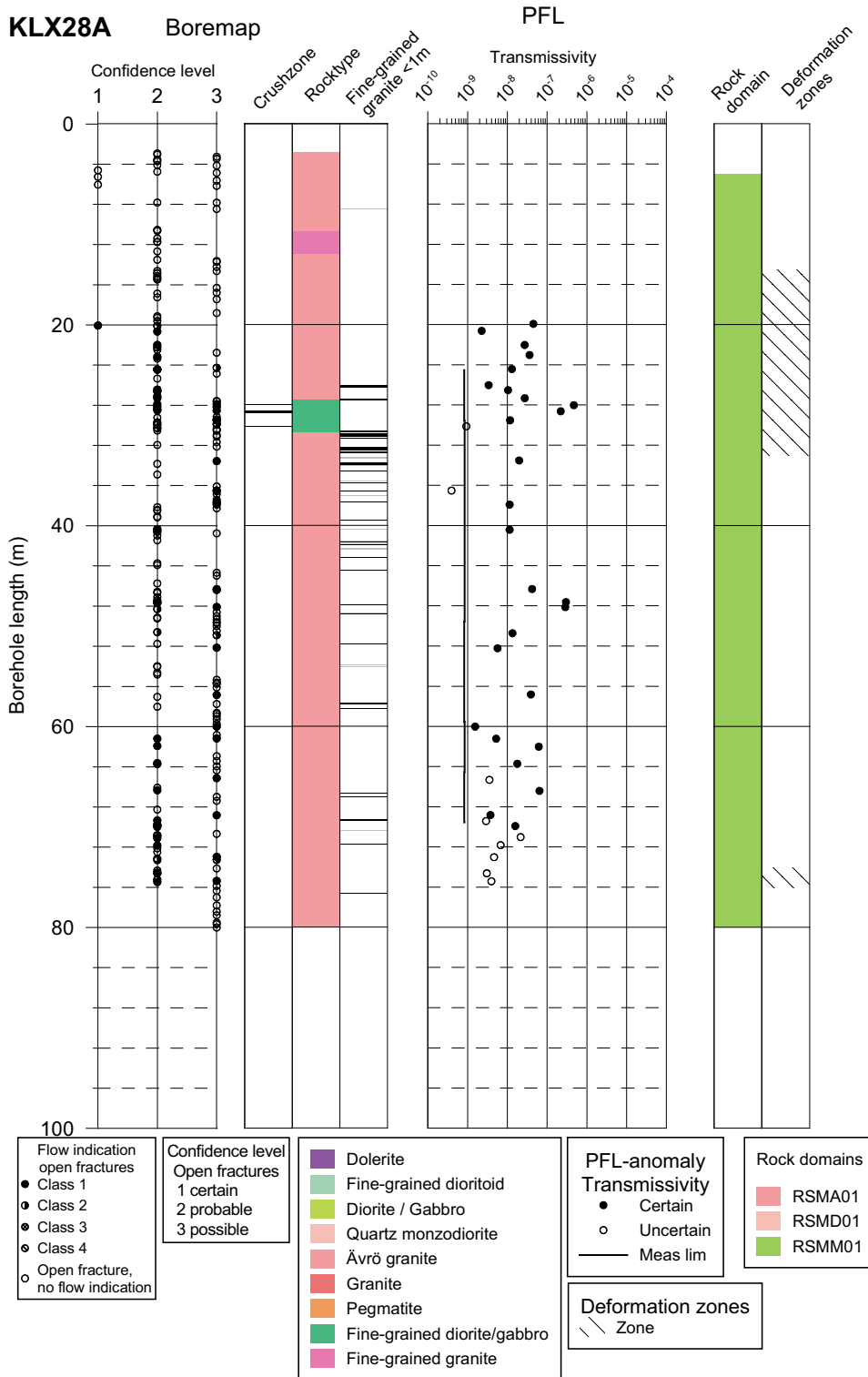


Figure 13-1. Correlations of hydraulic features based on PFL-f measurements, to mapped open/party open fractures (all plotted as open fractures above) or crush zones in KLX28A. Interpreted deformation zones and Rock Domains shown to the right. Fractures with PFL-anom confidence (flow indication class above) > 4 are not plotted.

14 KLX29A

The borehole KLX29A was measured in November 2006. It was flow logged with PFL using 5 m test sections in borehole section interval 9.42 to 54.42 m (PFL-s). Uppermost section in the borehole for statistics is the uppermost position of a flow anomaly in the borehole: 7.1 m. Flow logging for flow anomalies (PFL-f) was made in the 1 m test sections in PFL-s sections with measurable flow rates.

The borehole includes 27 PFL-anomalies, of which 19 are mapped as “certain”. 10 of the anomalies have been correlated to a single fracture. One anomaly has been correlated to the borehole sections mapped as crush zones.

A fracture with adjusted seup at 51,7620 m in the vicinity of anomaly 26 (50.6 m) and 27 (51.9 m) does not have a BDT trace defined in the BIPS image.

Table 14-1. Boremap data for the PFL-s measured interval in KLX29A.

| Object | KLX29A |
|--|----------------|
| Measured interval in the borehole with PFL-s (m) | 7.1–54.42 |
| No of open fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 162 (26/79/57) |
| Mean fracture frequency of open fractures (fractures/m) | 3.42 |
| No of partly open fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 1 (1/0/0) |
| Mean fracture frequency of partly open fractures (fractures/m) | 0.021 |
| No of crush zones in the PFL-s measured interval | 2 |
| Appr. no of fractures in crush zones assuming 40 fr./m | 3.16 |
| Mean no of fractures in a crush zone | 1.58 |
| Mean fracture frequency of Total open fractures (All open, partly open and crush zone fractures) (features/m) | 3.51 |
| No of sealed fractures mapped as Total/(Certain/Probable/Possible) in the PFL-s measured interval | 230 (229/1/0) |
| Mean fracture frequency of sealed fractures (fractures/m) | 4.86 |

Table 14-2. Flow anomalies in KLX29A.

| Object | KLX29A |
|--|-----------|
| Measured interval in the borehole with PFL-s (m) | 7.1–54.42 |
| Total No of PFL-f anomalies (“Certain”+“Uncertain”) | 27 |
| No of PFL-f anomalies mapped as “ Certain ” | 19 |
| No of PFL-f anomalies mapped in crush zones | 1 |
| Mean feature frequency of PFL-f anomalies (Total) (anomalies/m) | 0.571 |
| No of crush zones in the PFL-s interval, Total/No. with one or more PFL-f anomalies | 2/1 |
| Mean frequency of crush zones with PFL-f anomalies | 0.50 |
| PFL-f anomaly connected to a Geological feature (Best Choice), accuracy | |
| Number of PFL anomalies identified within distance < 0.2 m from Geological features (open and partly open fractures and crush zones) | 25 |
| Number of PFL anomalies identified within distance 0.2–0.4 m from Geological features (open and partly open fractures and crush zones) | 2 |
| Number of PFL anomalies identified within distance 0.2–0.5 m from Geological features (open and partly open fractures and crush zones) | 0 |
| Number of PFL anomalies identified within distance > 0.5 m from Geological features (open and partly open fractures and crush zones) | 0 |
| Number of PFL anomalies within a distance of 0.1 m from sealed fractures (broken/unbroken), thus, not correlated to open fractures or crush zones | 0/0 |
| Number of PFL anomalies within a distance of > 0.1 m from sealed fractures (broken/unbroken), thus, not correlated to open fractures or crush zones | 0/0 |

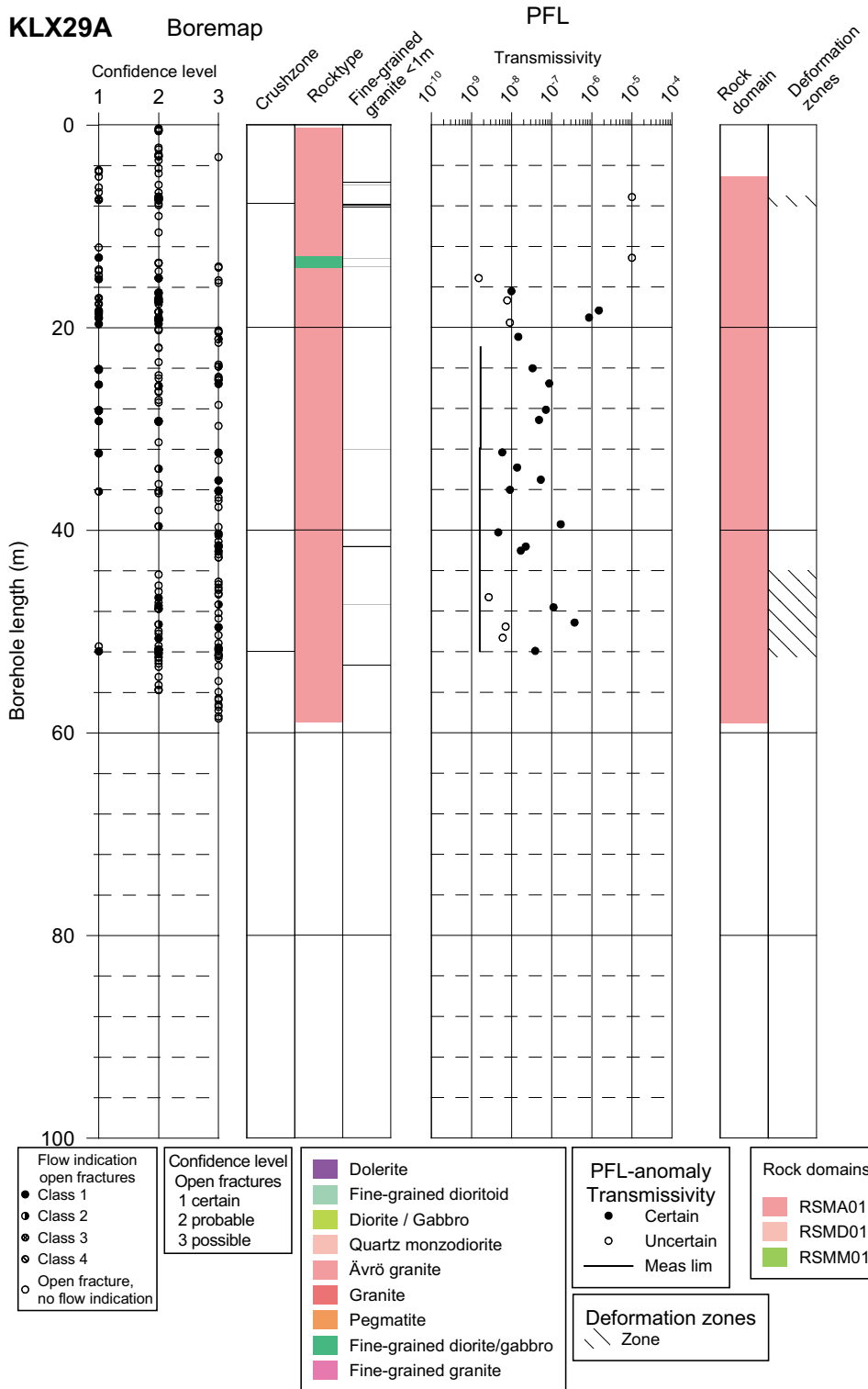


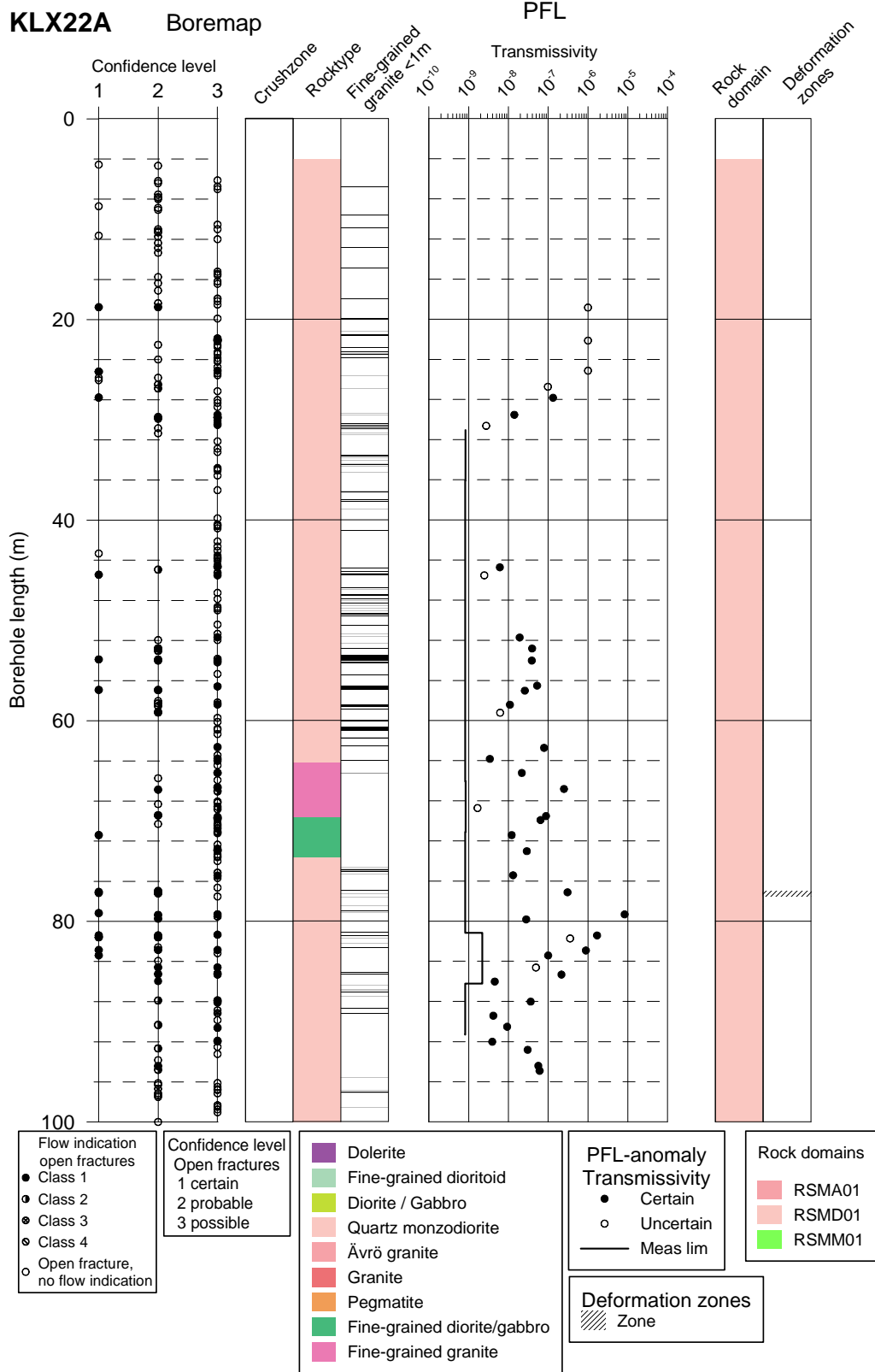
Figure 14-1. Correlations of hydraulic features based on PFL-f measurements, to mapped open/partly open fractures (all plotted as open fractures above) or crush zones in KLX29A. Interpreted deformation zones and Rock Domains shown to the right. Fractures with PFL-anom confidence (flow indication class above) > 4 are not plotted.

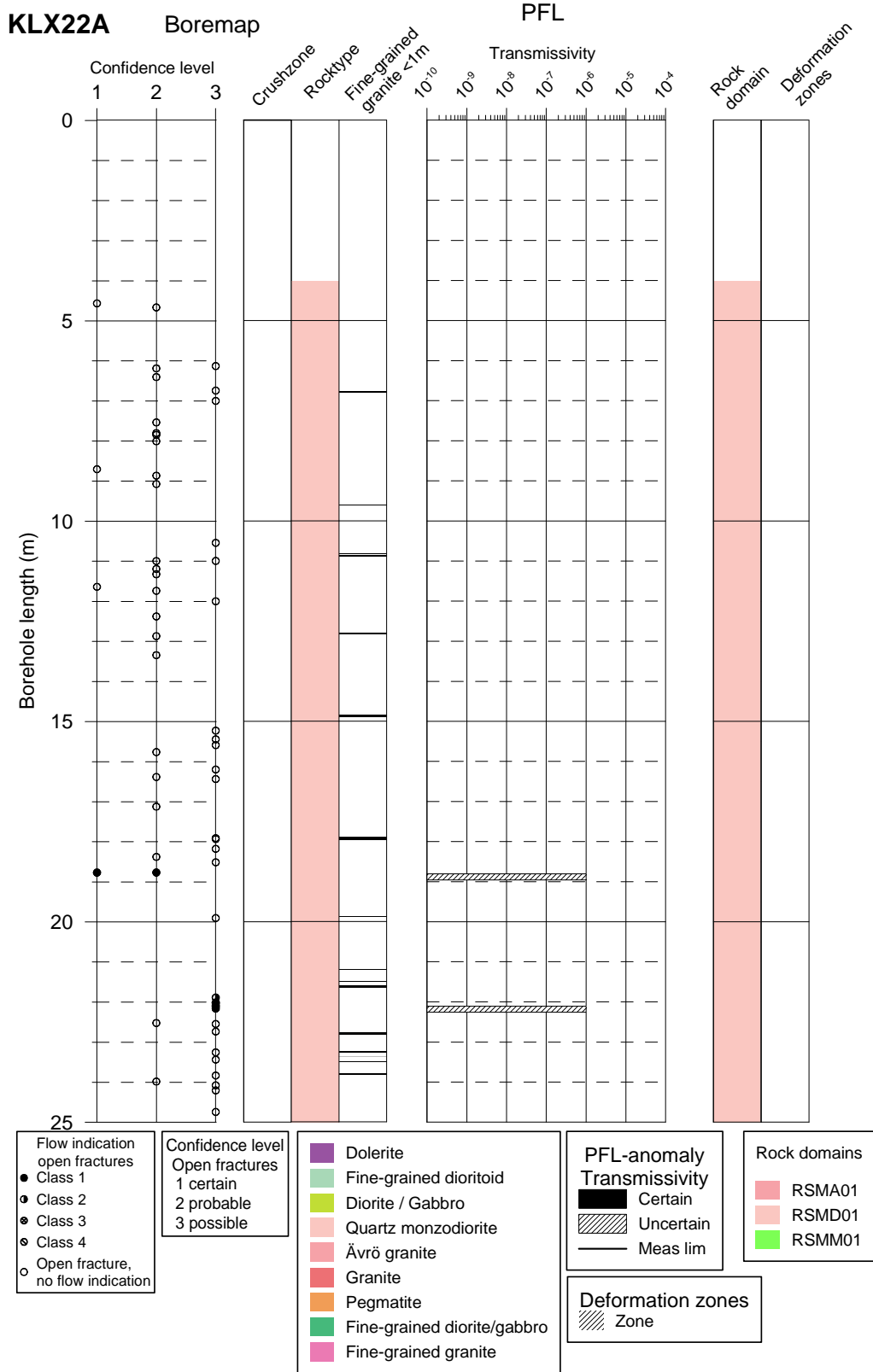
15 References

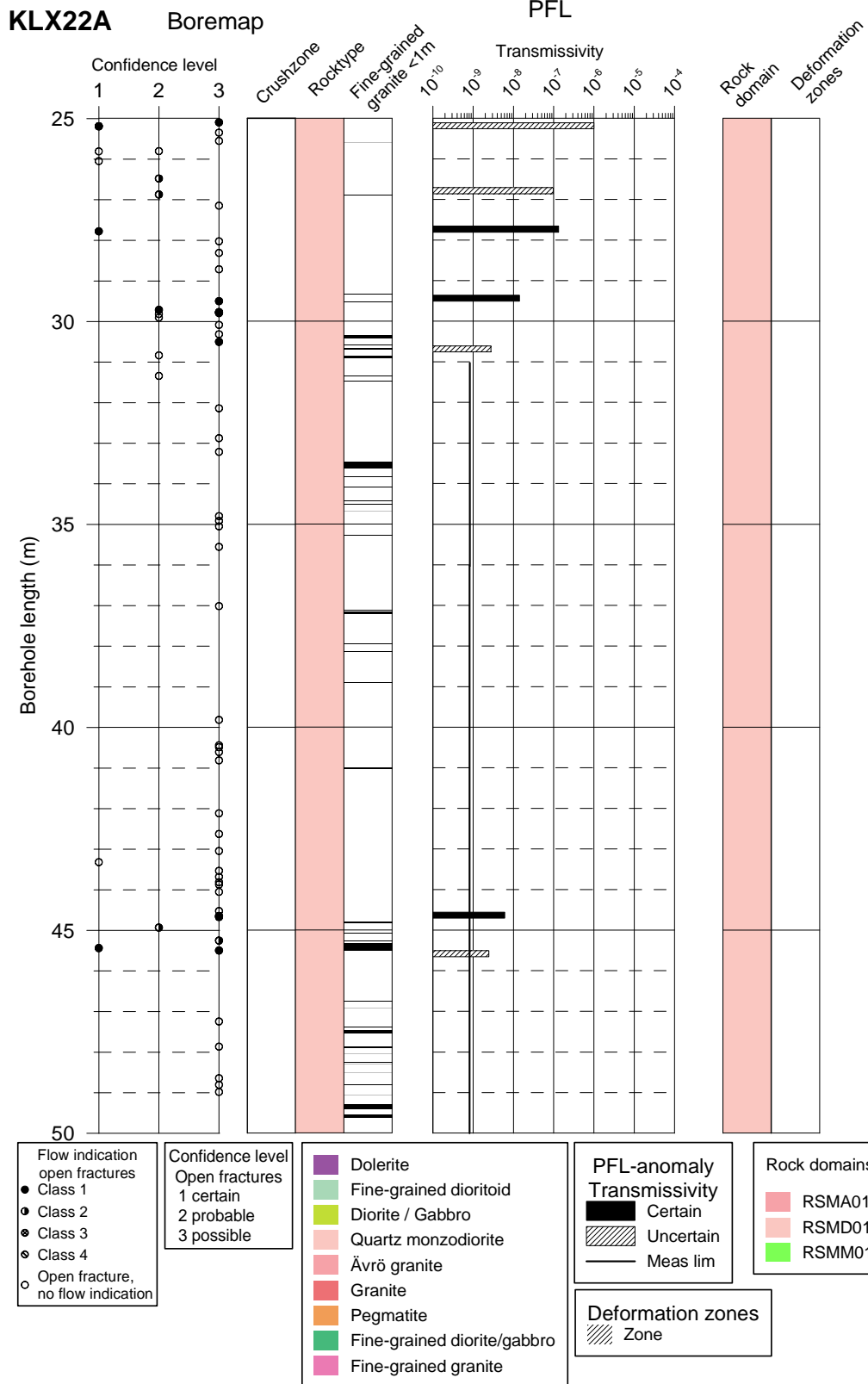
- Forsmark T, Wikström M, Forssman I, Rhén I, 2007.** Oskarshamn site investigation. Correlation of Posiva Flow Log anomalies to core mapped features in KLX17A, KLX18A, KLX19A, KLX20A, KLX21B. SKB P-07-215, Svensk Kärnbränslehantering AB.
- Forssman I, Zetterlund M, Forsmark T, Rhén I, 2005a.** Oskarshamn site investigation. Correlation of Posiva Flow Log anomalies to core mapped features in KSH01A, KSH02A and KAV01. SKB P-05-65, Svensk Kärnbränslehantering AB.
- Forssman I, Zetterlund M, Forsmark T, Rhén I, 2005b.** Oskarshamn site investigation. Correlation of Posiva Flow Log anomalies to core mapped features in KLX02, KLX03, KLX04, KAV04A and KAV04b. SKB P-05-241, Svensk Kärnbränslehantering AB.
- Kristiansson S, Pöllänen J, Väisäsvaara J, Kyllönen H, 2006.** Oskarshamn site investigation. Difference flow logging of borehole, KLX22A-B, KLX23A-B, KLX24A, KLX25A, Sub-area Laxemar. SKB P-06-246, Svensk Kärnbränslehantering AB.
- Pöllänen J, 2007a.** Oskarshamn site investigation. Difference flow logging of borehole, KLX26A and KLX26B, Sub-area Laxemar. SKB P-07-72, Svensk Kärnbränslehantering AB.
- Pöllänen J, 2007b.** Oskarshamn site investigation. Difference flow logging of borehole, KLX28 and KLX29A, Sub-area Laxemar. SKB P-07-17, Svensk Kärnbränslehantering AB.
- Pöllänen J, Pekkanen J, Väisäsvaara J, 2008.** Oskarshamn site investigation. Difference flow logging of borehole, KLX27A, Sub-area Laxemar. SKB P-08-22, Svensk Kärnbränslehantering AB.
- Teurneau B, Forsmark T, Forssman I, Rhén I, 2007.** Oskarshamn site investigation. Correlation of Posiva Flow Log anomalies to core mapped features in KLX05, KLX06, KLX07A-B and KLX08. SKB P-07-212, Svensk Kärnbränslehantering AB.
- Wikström M, Forsmark T, Teurneau B, Forssman I, Rhén I, 2007a.** Oskarshamn site investigation. Correlation of Posiva Flow Log anomalies to core mapped features in KLX09, KLX09B-G, KLX10, KLX10B-C and KLX11A-F. SKB P-07-213, Svensk Kärnbränslehantering AB.
- Wikström M, Forsmark T, Zetterlund M, Forssman I, Rhén I, 2007b.** Oskarshamn site investigation. Correlation of Posiva Flow Log anomalies to core mapped features in KLX12A, KLX13A, KLX14A, KLX15A and KLX16A. SKB P-07-214, Svensk Kärnbränslehantering AB.

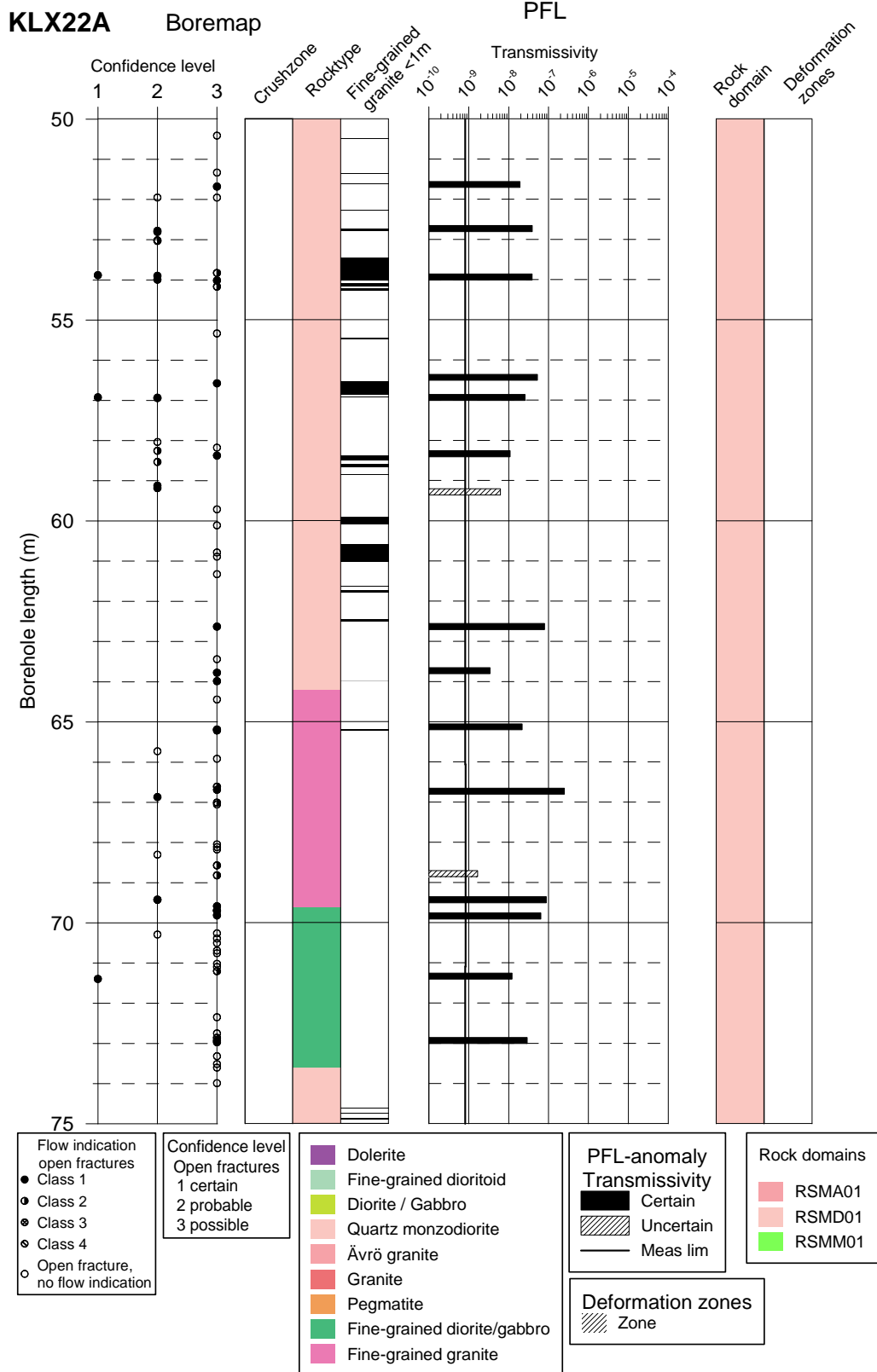
Appendix 1 – KLX22A

In this appendix plots showing Flow log anomalies to core mapped features in KLX22A for every 25 meters of the borehole are found. BIPS images of PFL anomalies are also found.









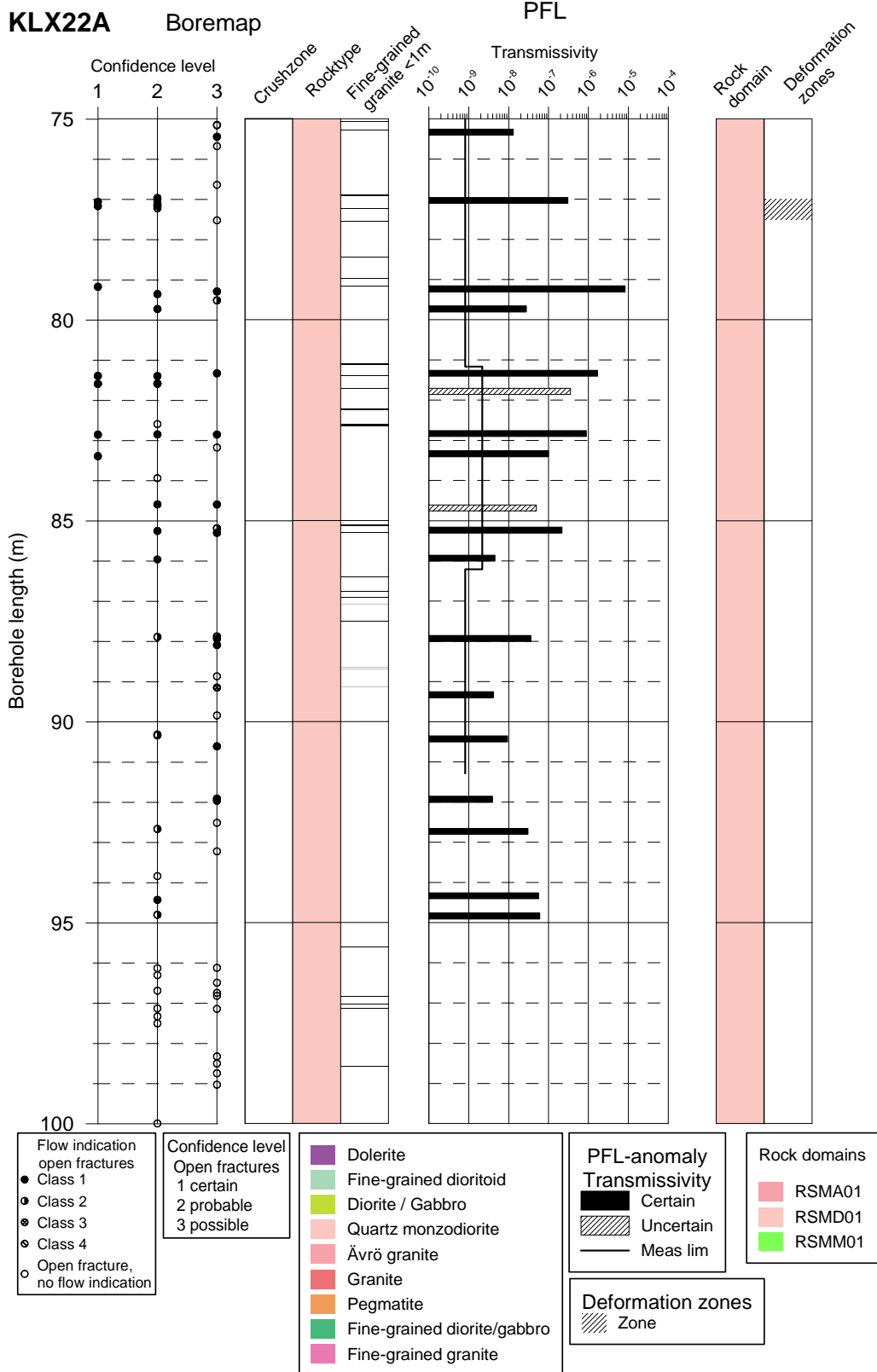


Table A1-1. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 1a | Bh-length (m) = 18.8 T (m ² /s) = 1.00E-6 PFL confidence= Uncertain | Adjusted secup (m) = 18.7670 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 1b | | Adjusted secup (m) = 18.7680 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |

Table A1-2. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 2a | Bh-length (m) = 22.1 T (m ² /s) = 1.00E-6 PFL confidence= Uncertain | Adjusted secup (m) = 21.8870 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 2b | | Adjusted secup (m) = 22.0110 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 2c | | Adjusted secup (m) = 22.0240 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 2d | | Adjusted secup (m) = 22.0820 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A1-3. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 2e | Bh-length (m) = 22.1 T (m ² /s) = 1.00E-6 PFL confidence= Uncertain | Adjusted secup (m) = 22.1150 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |
| 2f | | Adjusted secup (m) = 22.1620 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A1-4. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 3a | Bh-length (m) = 25.1 T (m ² /s) = 1.00E-6 PFL confidence= Uncertain | Adjusted secup (m) = 25.0940 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 3b | | Adjusted secup (m) = 25.1870 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 3c | | Adjusted secup (m) = 25.1920 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |

Table A1-5. KLX22A. Interpretation of PFL measurements and BOREMAP data

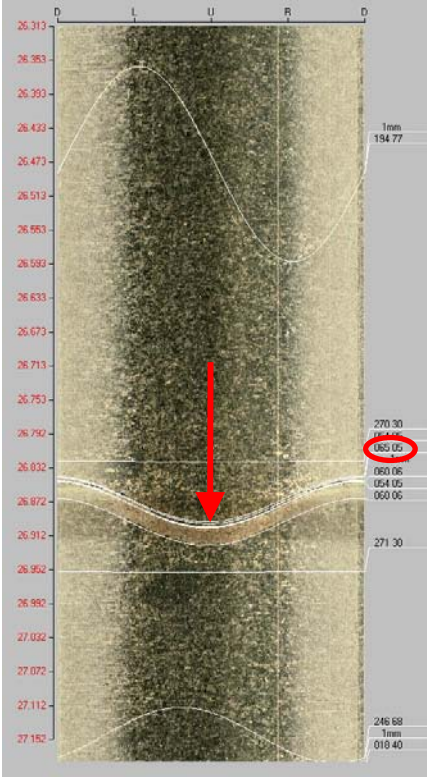
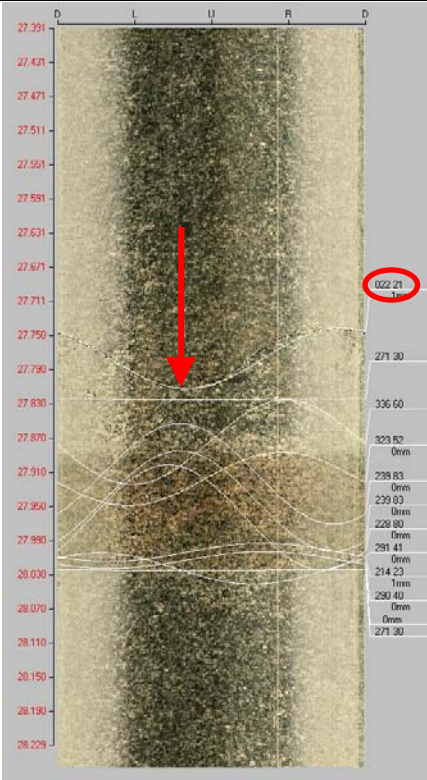
| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|--|
| 4a | Bh-length (m) = 26.7 T (m ² /s) = 9.81E-8 PFL confidence= Uncertain | Adjusted secup (m) = 26.4760 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 |  |
| 4b | | Adjusted secup (m) = 26.8710 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |
| 5 | Bh-length (m) = 27.8 T (m ² /s) = 1.32E-7 PFL confidence= Certain | Adjusted secup (m) = 27.7770 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice |  |

Table A1-6. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 6a | Bh-length (m) = 29.5 T (m ² /s) = 1.41E-8 PFL confidence= Certain | Adjusted secup (m) = 29.4980 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 6b | | Adjusted secup (m) = 29.7130 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 6c | | Adjusted secup (m) = 29.7660 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 6d | | Adjusted secup (m) = 29.7800 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 6e | | Adjusted secup (m) = 29.7900 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |

Table A1-7. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|--|
| 7 | Bh-length (m) = 30.6 T (m ² /s) = 2.76E-9 PFL confidence= Uncertain | Adjusted secup (m) = 30.5000 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | <p>The BIPS image displays a vertical borehole profile with depth markers ranging from 30.195 to 31.024. A red arrow points to a depth level of approximately 30.425. On the right side, a red circle highlights the value '180.22'.</p> |

Table A1-8. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 8a | Bh-length (m) = 44.7 T (m ² /s) = 6.09E-9 PFL confidence= Certain | Adjusted secup (m) = 44.6450 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |
| 8b | | Adjusted secup (m) = 44.6710 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 8c | | Adjusted secup (m) = 44.9300 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |

Table A1-9. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 9a | Bh-length (m) = 45.5 T (m ² /s) = 2.48E-9 PFL confidence= Uncertain | Adjusted secup (m) = 45.2510 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 9b | | Adjusted secup (m) = 45.4360 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 9c | | Adjusted secup (m) = 45.4950 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A1-10. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|---|
| 10 | Bh-length (m) = 51.7 T (m ² /s) = 1.92E-8 PFL confidence= Certain | Adjusted secup (m) = 51.6790 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | <p>The BIPS image displays a vertical borehole profile with depth markers ranging from 51.231m at the top to 52.076m at the bottom. A red arrow points to a depth of 51.674m. On the right side, a red circle highlights a value of 300.22. Other values on the right include 151.20, 390.63, 124.06, 327.74, 244.36, 308.70, 063.19, 304.01, and 222.88.</p> |

Table A1-11. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 11a | Bh-length (m) = 52.8 T (m ² /s) = 3.94E-8 PFL confidence= Certain | Adjusted secup (m) = 52.7800 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 11b | | Adjusted secup (m) = 52.8070 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 11c | | Adjusted secup (m) = 53.0170 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 11d | | Adjusted secup (m) = 53.0320 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |

Table A1-12. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 12a | Bh-length (m) = 54 T (m ² /s) = 3.86E-8 PFL confidence= Certain | Adjusted secup (m) = 53.8280 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 12b | | Adjusted secup (m) = 53.8840 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 12c | | Adjusted secup (m) = 53.8990 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 12d | | Adjusted secup (m) = 53.9950 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 12e | | Adjusted secup (m) = 54.0160 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

12f Bh-length (m) = 54 Adjusted secup (m) = 54.1690

 T (m²/s) = Fract_interpret / Varcodes = open fr.

 PFL confidence = Frac.interp. confidence = Possible

 Certain PFL-anom. confidence = 2

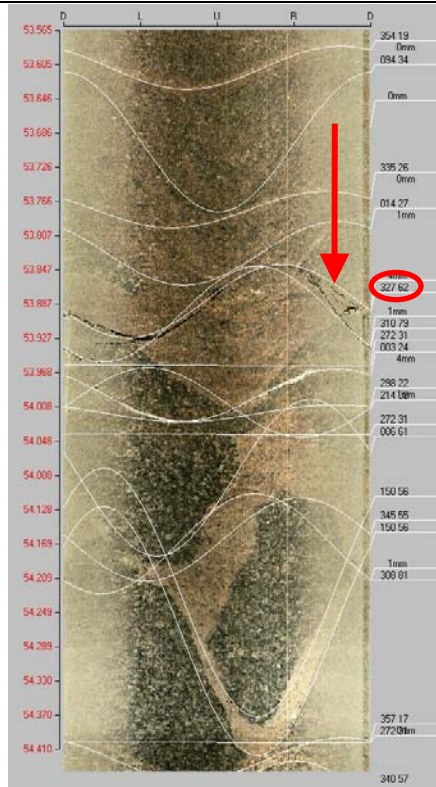


Table A1-13. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 13 | Bh-length (m) = 56.5 T (m ² /s) = 5.26E-8 PFL confidence= Certain | Adjusted secup (m) = 56.5740 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |

Table A1-14. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 14a | Bh-length (m) = 57 T (m ² /s) = 2.59E-8 PFL confidence= Certain | Adjusted secup (m) = 56.9240 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 14b | | Adjusted secup (m) = 56.9330 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 14c | | Adjusted secup (m) = 56.9410 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

Table A1-15. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 15a | Bh-length (m) = 58.4 T (m ² /s) = 1.09E-8 PFL confidence= Certain | Adjusted secup (m) = 58.2530 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 15b | | Adjusted secup (m) = 58.3720 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 15c | | Adjusted secup (m) = 58.5300 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |

Table A1-16. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 16a | Bh-length (m) = 59.2 T (m ² /s) = 6.20E-9 PFL confidence= Uncertain | Adjusted secup (m) = 59.1210 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 16b | | Adjusted secup (m) = 59.1820 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 17 | Bh-length (m) = 62.7 T (m ² /s) = 7.87E-8 PF confidence= Certain | Adjusted secup (m) = 62.6290 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |

Table A1-17. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 18a | <p>Bh-length (m) = 63.8</p> <p>T (m²/s) = 3.43E-9</p> <p>PF confidence= Certain</p> | <p>Adjusted secup (m) = 63.7760</p> <p>Fract_interpret / Varcodes= open fr.</p> <p>Frac.interp. confidence= Possible</p> <p>PFL-anom. confidence= 1</p> <p>Best choice</p> | |
| 18b | | <p>Adjusted secup (m) = 63.9860</p> <p>Fract_interpret / Varcodes= open fr.</p> <p>Frac.interp. confidence= Possible</p> <p>PFL-anom. confidence= 1</p> | |
| 19a | <p>Bh-length (m) = 65.2</p> <p>T (m²/s) = 2.17E-8</p> <p>PF confidence= Certain</p> | <p>Adjusted secup (m) = 65.1870</p> <p>Fract_interpret / Varcodes= open fr.</p> <p>Frac.interp. confidence= Possible</p> <p>PFL-anom. confidence= 1</p> <p>Best choice</p> | |
| 19b | | <p>Adjusted secup (m) = 65.2120</p> <p>Fract_interpret / Varcodes= open fr.</p> <p>Frac.interp. confidence= Possible</p> <p>PFL-anom. confidence= 1</p> | |

Table A1-18. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 20a | Bh-length (m) = 66.8 T (m ² /s) = 2.49E-7 PF confidence= Certain | Adjusted secup (m) = 66.6110 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 20b | | Adjusted secup (m) = 66.6890 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 20c | | Adjusted secup (m) = 66.8700 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 20d | | Adjusted secup (m) = 67.0080 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

Table A1-19. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 21a | Bh-length (m) = 68.7 T (m ² /s) = 1.67E-9 PF confidence= Uncertain | Adjusted secup (m) = 68.5710 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 21b | | Adjusted secup (m) = 68.8170 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 Best choice | |

Table A1-20. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 22a | Bh-length (m) = 69.5 T (m ² /s) = 8.81E-8 PF confidence= Certain | Adjusted secup (m) = 69.4230 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 22b | | Adjusted secup (m) = 69.4270 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 22c | | Adjusted secup (m) = 69.5850 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 22d | | Adjusted secup (m) = 69.6960 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A1-21. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 23a | Bh-length (m) = 69.9 T (m ² /s) = 6.40E-8 PF confidence= Certain | Adjusted secup (m) = 69.6960 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |
| 23b | | Adjusted secup (m) = 69.8130 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 24a | Bh-length (m) = 71.4 T (m ² /s) = 1.21E-8 PF confidence= Certain | Adjusted secup (m) = 71.2020 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 24b | | Adjusted secup (m) = 71.3950 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |

Table A1-22. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|------------|
| 25a | Bh-length (m) = 73 T (m ² /s) = 2.90E-8 PF confidence= Certain | Adjusted secup (m) = 72.8590 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 25b | | Adjusted secup (m) = 72.9270 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |
| 25c | | Adjusted secup (m) = 72.9690 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A1-23. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|---|
| 26 | Bh-length (m) = 75.4 T (m ² /s) = 1.31E-8 PF confidence= Certain | Adjusted secup (m) = 75.4400 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | <p>The BIPS image displays a vertical cross-section of a borehole. The left side shows depth markers in meters, ranging from 74.972 at the top to 75.817 at the bottom. The right side shows depth markers in millimeters, ranging from 350.87 at the top to 220.15 at the bottom. A red arrow points to a depth of approximately 75.4400 m. A red circle highlights the value 215.24 on the right side, which is circled in red.</p> |

Table A1-24. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 27a | Bh-length (m) = 77.1 T (m ² /s) = 3.06E-7 PF confidence= Certain | Adjusted secup (m) = 76.9630 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 27b | | Adjusted secup (m) = 77.0100 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 27c | | Adjusted secup (m) = 77.0540 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |
| 27d | | Adjusted secup (m) = 77.0990 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 27e | | Adjusted secup (m) = 77.1490 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

Table A1-25. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 27f | Bh-length (m) = 77.1 T (m ² /s) = 3.06E-7 PF confidence= Certain | Adjusted secup (m) = 77.1600 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 27g | | Adjusted secup (m) = 77.1650 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 27h | | Adjusted secup (m) = 77.2160 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |

Table A1-26. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 28a | Bh-length (m) = 79.3 T (m ² /s) = 8.32E-6 PF confidence= Certain | Adjusted secup (m) = 79.1730 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |
| 28b | | Adjusted secup (m) = 79.2900 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |
| 28c | | Adjusted secup (m) = 79.3540 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 28d | | Adjusted secup (m) = 79.5110 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |

Table A1-27. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 29 | Bh-length (m) = 79.8 T (m ² /s) = 2.79E-8 PF confidence= Certain | Adjusted secup (m) = 79.7260 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |

Table A1-28. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|------------|
| 30a | Bh-length (m) = 81.4 T (m ² /s) = 1.69E-6 PF confidence= Certain | Adjusted secup (m) = 81.3260 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 30b | | Adjusted secup (m) = 81.3900 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 30c | | Adjusted secup (m) = 81.3930 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 30d | | Adjusted secup (m) = 81.5830 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 30e | | Adjusted secup (m) = 81.5880 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 2 | |

Table A1-29. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 31a | Bh-length (m) = 81.7 T (m ² /s) = 3.55E-7 PF confidence= Uncertain | Adjusted secup (m) = 81.5830 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 31b | | Adjusted secup (m) = 81.5880 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |

Table A1-30. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|------------|
| 32a | Bh-length (m) = 82.9 T (m ² /s) = 8.84E-7 PF confidence= Certain | Adjusted secup (m) = 82.8470 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 32b | | Adjusted secup (m) = 82.8500 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 32c | | Adjusted secup (m) = 82.8530 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |

Table A1-31. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 33 | Bh-length (m) = 83.4 T (m ² /s) = 9.97E-8 PF confidence= Certain | Adjusted secup (m) = 83.3870 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 34a | Bh-length (m) = 84.6 T (m ² /s) = 4.92E-8 PF confidence= Uncertain | Adjusted secup (m) = 84.5870 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 34b | | Adjusted secup (m) = 84.5900 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A1-32. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 35a | Bh-length (m) = 85.3 T (m ² /s) = 2.16E-7 PF confidence= Certain | Adjusted secup (m) = 85.1820 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 35b | | Adjusted secup (m) = 85.2480 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 35c | | Adjusted secup (m) = 85.2950 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A1-33. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 36 | Bh-length (m) = 86 T (m ² /s) = 4.55E-9 PF confidence= Certain | Adjusted secup (m) = 85.9550 Fract_interpret / Varcodes= sealed fr. Frac.interp. confidence= Probable PFL-anom. confidence= 0 Best choice | |

Table A1-34. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 37a | Bh-length (m) = 88 T (m ² /s) = 3.62E-8 PF confidence= Certain | Adjusted secup (m) = 87.8710 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 37b | | Adjusted secup (m) = 87.8870 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |
| 37c | | Adjusted secup (m) = 87.9280 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 37d | | Adjusted secup (m) = 88.0870 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A1-35. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 38 | Bh-length (m) = 89.4 T (m ² /s) = 4.17E-9 PF confidence= Certain | Adjusted secup (m) = 89.1450 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 3 Best choice | |

Table A1-36. KLX22A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 39a | Bh-length (m) = 90.5 T (m ² /s) = 9.31E-9 PF confidence= Certain | Adjusted secup (m) = 90.3130 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |
| 39b | | Adjusted secup (m) = 90.3340 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 39c | | Adjusted secup (m) = 90.6070 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A1-37. KLX22A. Interpretation of PFL measurements and BOREMAP data

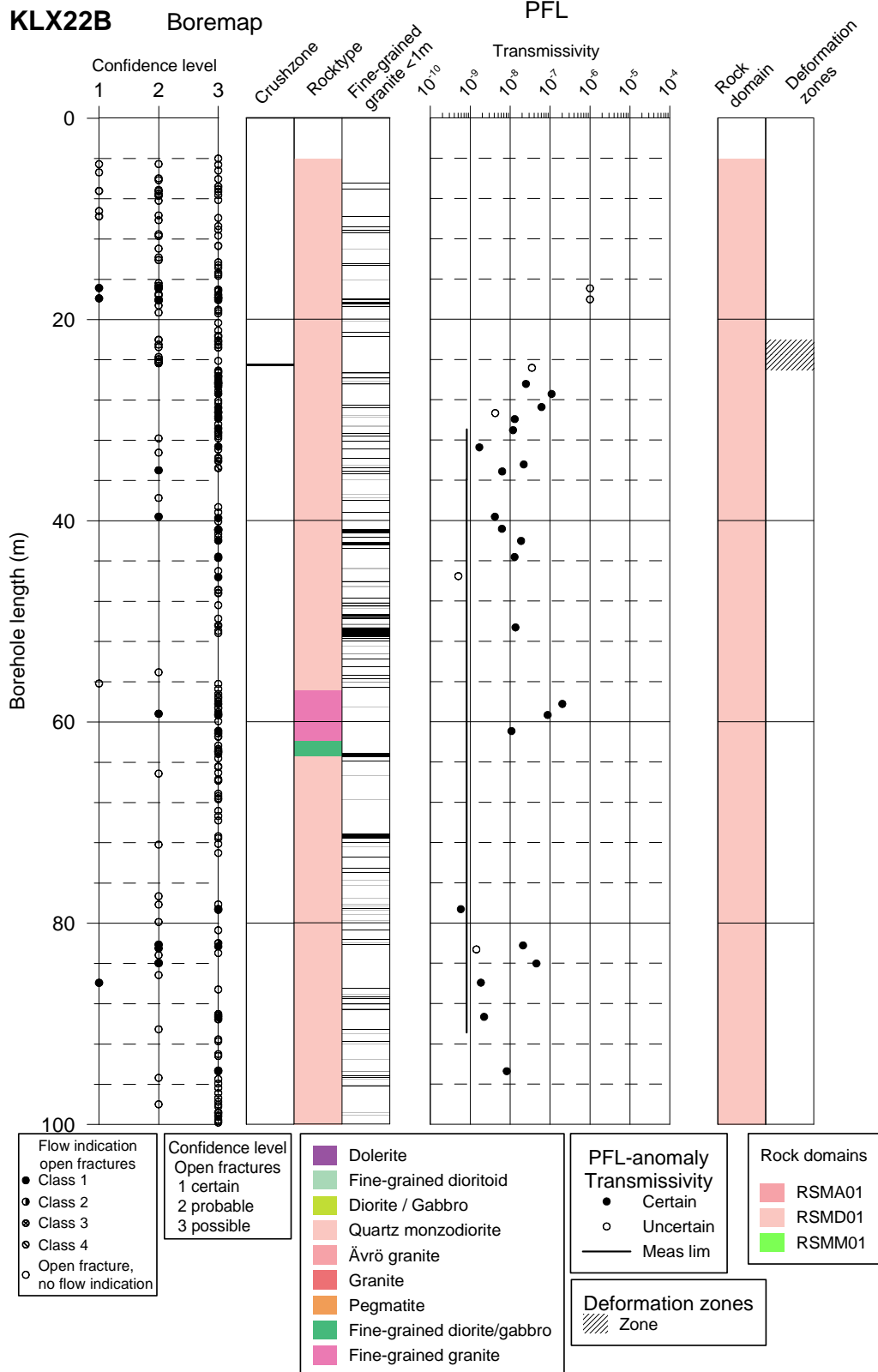
| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 40a | Bh-length (m) = 92 $T (m^2/s) = 3.93E-9$ PF confidence= Certain | Adjusted secup (m) = 91.9070 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |
| 40b | | Adjusted secup (m) = 91.9610 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 41 | Bh-length (m) = 92.8 $T (m^2/s) = 3.05E-8$ PF confidence= Certain | Adjusted secup (m) = 92.6640 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |

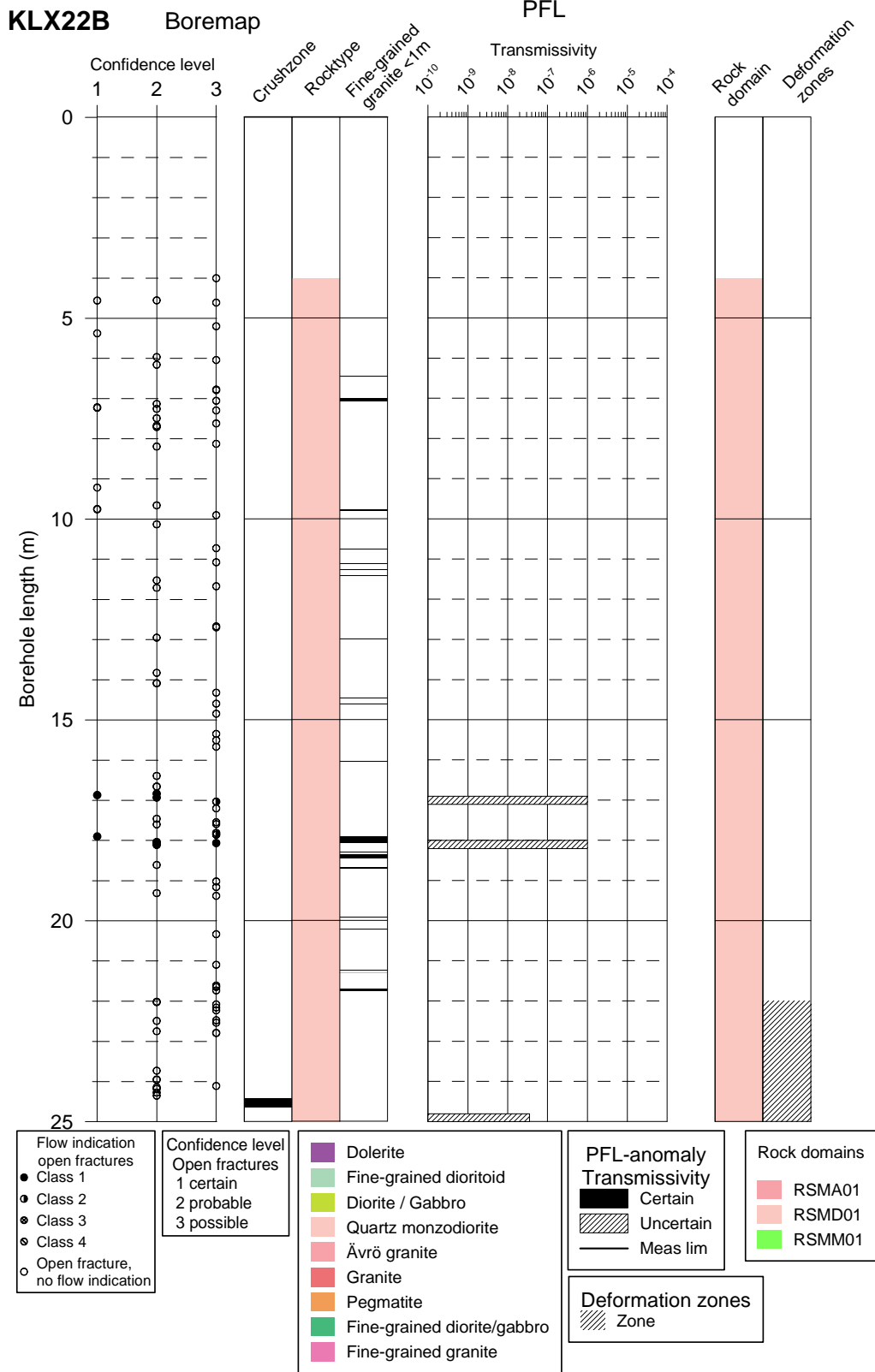
Table A1-38. KLX22A. Interpretation of PFL measurements and BOREMAP data

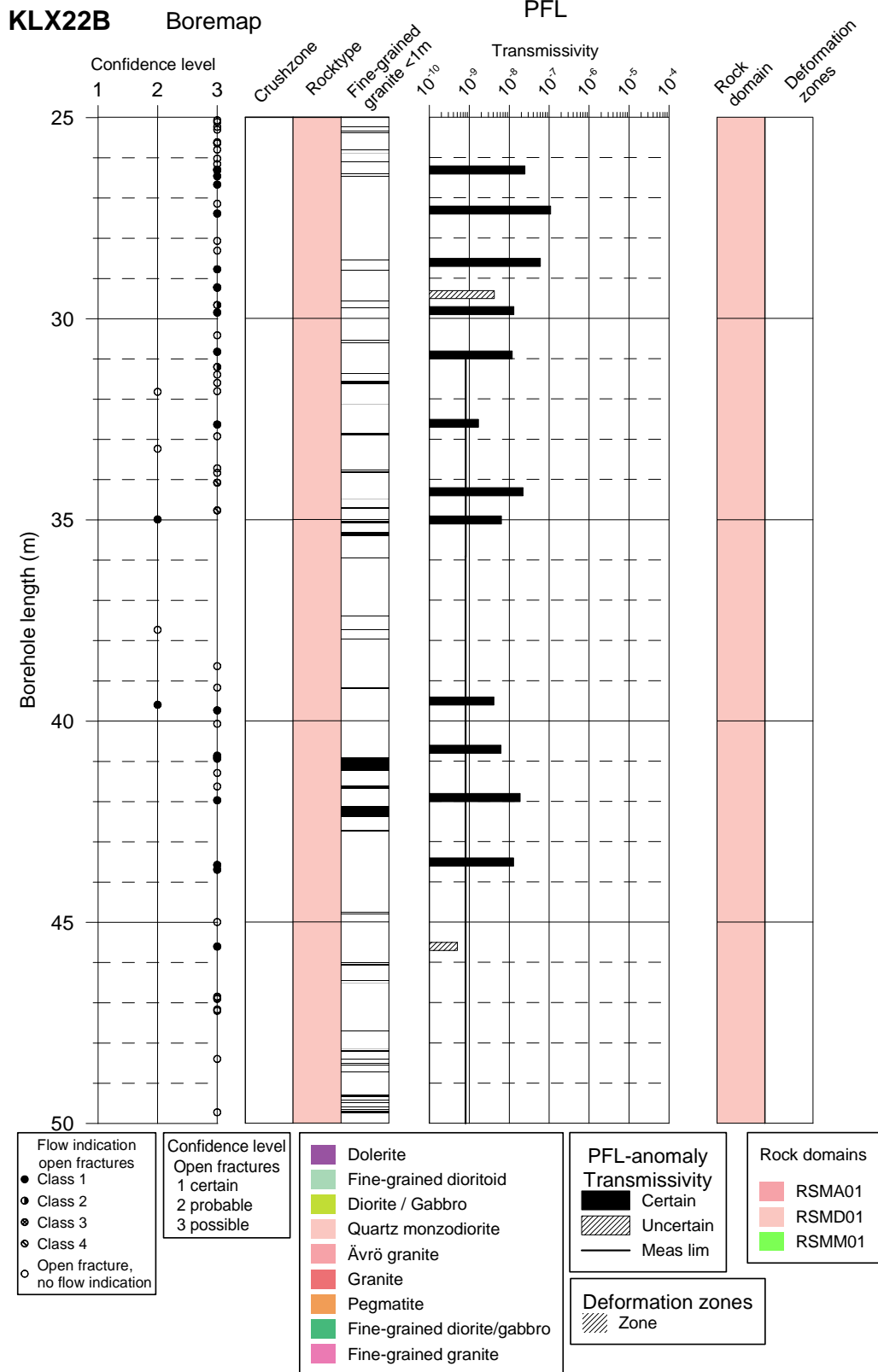
| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 42 | Bh-length (m) = 94.4 $T (m^2/s) = 5.63E-8$ PF confidence= Certain | Adjusted secup (m) = 94.4270 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 43 | Bh-length (m) = 94.9 $T (m^2/s) = 6.10E-8$ PF confidence= Certain | Adjusted secup (m) = 94.7990 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |

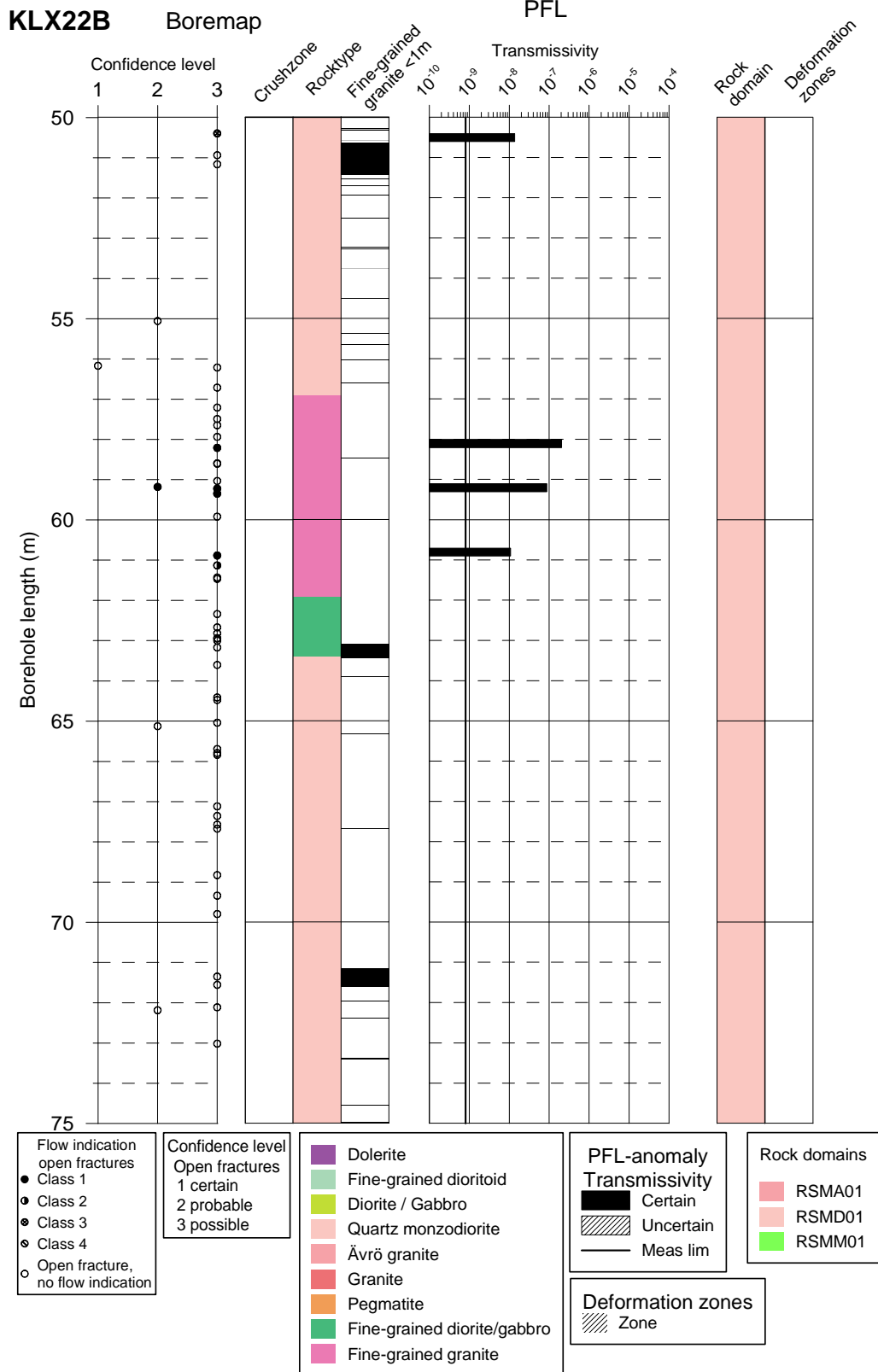
Appendix 2 – KLX22B

In this appendix plots showing Flow log anomalies to core mapped features in KLX22B for every 25 meters of the borehole are found. BIPS images of PFL anomalies are also found.









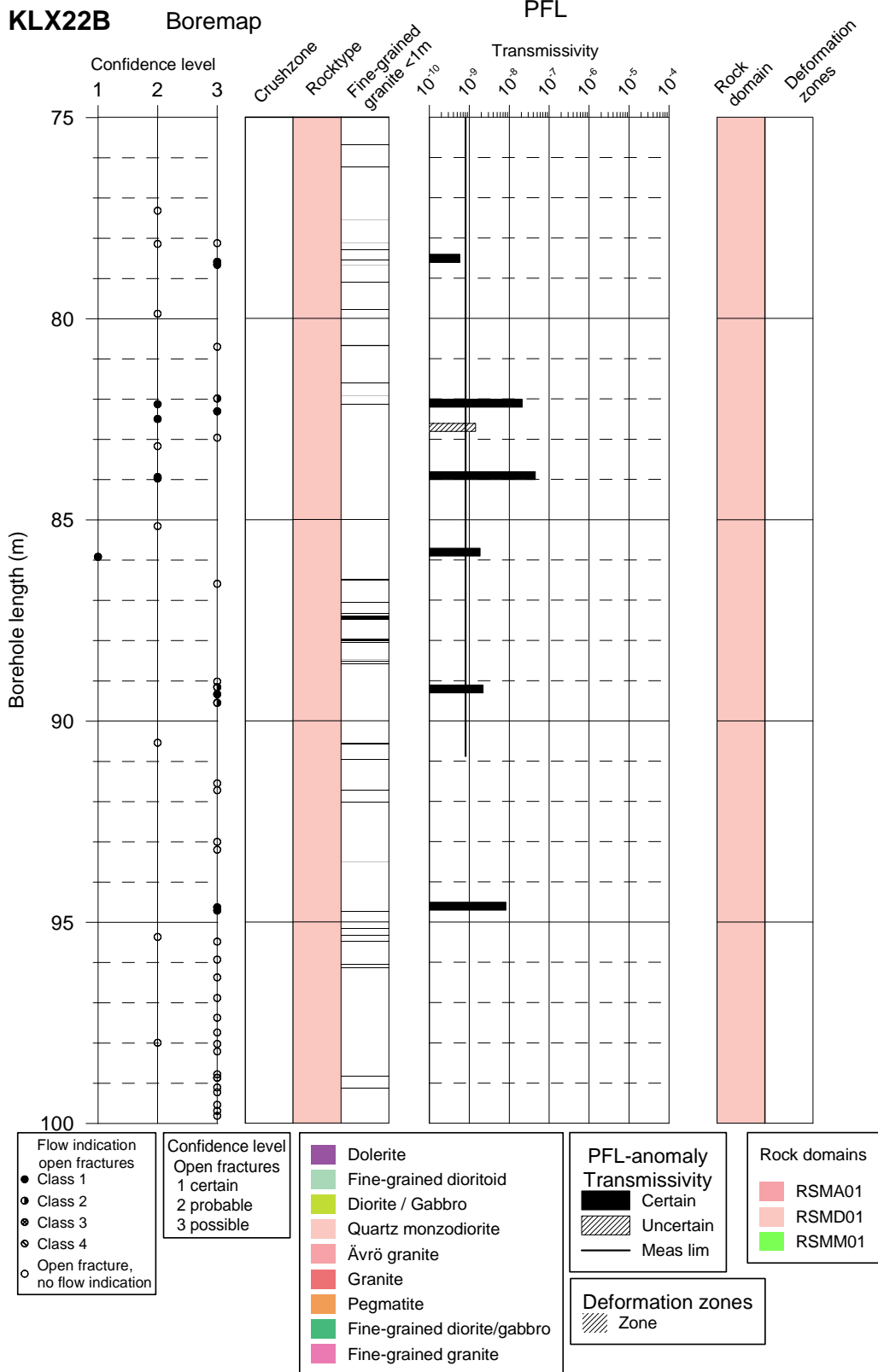


Table A2-1. KLX22B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 1a | Bh-length (m) = 16.9 T (m ² /s) = 1.00E-6 PFL confidence= Uncertain | Adjusted secup (m) = 16.8360 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 1b | | Adjusted secup (m) = 16.8700 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 1c | | Adjusted secup (m) = 16.9320 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 1d | | Adjusted secup (m) = 17.0330 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |

Table A2-2. KLX22B. Interpretation of PFL measurements and BOREMAP data

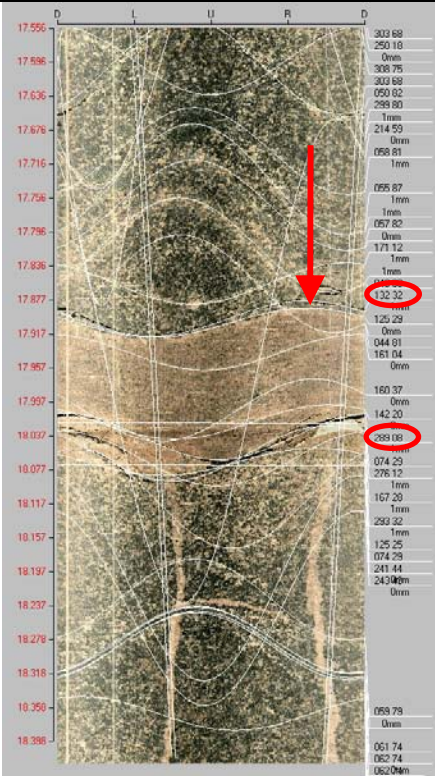
| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|---|
| 2a | Bh-length (m) = 18 T (m ² /s) = 1.00E-6 PFL confidence= Uncertain | Adjusted secup (m) = 17.8120 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 |  |
| 2b | | Adjusted secup (m) = 17.8570 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 2c | | Adjusted secup (m) = 17.8990 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 2d | | Adjusted secup (m) = 18.0380 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

Table A2-3. KLX22B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 2e | Bh-length (m) = 18 T (m ² /s) = 1.00E-6 PFL confidence= Uncertain | Adjusted secup (m) = 18.0580 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 2f | | Adjusted secup (m) = 18.0640 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 2g | | Adjusted secup (m) = 18.1110 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

Table A2-4. KLX22B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 3 | Bh-length (m) = 24.8 $T (m^2/s) = 3.51E-8$ PFL confidence= Uncertain | Adjusted secup (m) = 24.4190 Adjusted seclow (m) = 24.6370 Fract_interpret / Varcodes= Crush zone PFL-anom. confidence= 2 Best choice crush | |

Table A2-5. KLX22B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 4a | Bh-length (m) = 26.4 $T (m^2/s) = 2.49E-8$ PFL confidence= Certain | Adjusted secup (m) = 26.2960 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 Best choice | |
| 4b | | Adjusted secup (m) = 26.3130 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 4c | | Adjusted secup (m) = 26.4580 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 4d | | Adjusted secup (m) = 26.6660 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A2-6. KLX22B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|--|
| 5 | Bh-length (m) = 27.4 $T (m^2/s) = 1.09E-7$ PFL confidence= Certain | Adjusted secup (m) = 27.3860 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | <p>The BIPS image displays a vertical borehole profile with several distinct geological layers. The vertical axis is labeled with elevations from 25,990 at the top to 27,823 at the bottom. The horizontal axis is labeled with 'D', 'L', 'U', 'R', and 'D'. A red arrow points to a specific feature in the borehole, and the label '045766' is circled in red. Other labels on the right side include 050 76, 047 75, 213 22, 048 76, 048 77, 045 77, 352 45, 041 80, 044 70, 043 74, 048 75, 054 75, 176 32, and 031 65.</p> |

Table A2-7. KLX22B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 6 | Bh-length (m) = 28.7 T (m ² /s) = 6.09E-8 PFL confidence= Certain | Adjusted secup (m) = 28.7710 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |

Table A2-8. KLX22B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 7a | Bh-length (m) = 29.3 T (m ² /s) = 4.22E-9 PFL confidence= Uncertain | Adjusted secup (m) = 29.2200 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |
| 7b | | Adjusted secup (m) = 29.2290 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A2-9. KLX22B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 8a | Bh-length (m) = 29.9 T (m ² /s) = 1.30E-8 PFL confidence= Certain | Adjusted secup (m) = 29.6600 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 Best choice | |
| 8b | | Adjusted secup (m) = 29.8460 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A2-10. KLX22B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 9a | Bh-length (m) = 31 T (m ² /s) = 1.18E-8 PFL confidence= Certain | Adjusted secup (m) = 30.8220 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |
| 9b | | Adjusted secup (m) = 31.2000 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |

Table A2-11. KLX22B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 10 | Bh-length (m) = 32.7 T (m ² /s) = 1.69E-9 PFL confidence= Certain | Adjusted secup (m) = 32.6280 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |

Table A2-12. KLX22B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 11a | Bh-length (m) = 34.4 T (m ² /s) = 2.19E-8 PFL confidence= Certain | Adjusted secup (m) = 34.0720 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 4 Best choice | |
| 11b | | Adjusted secup (m) = 34.7640 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 4 | |

Table A2-13. KLX22B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 12 | Bh-length (m) = 35.1 T (m ² /s) = 6.32E-9 PFL confidence= Certain | Adjusted secup (m) = 34.9870 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |

Table A2-14. KLX22B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 13a | Bh-length (m) = 39.6 T (m ² /s) = 4.14E-9 PFL confidence= Certain | Adjusted secup (m) = 39.5930 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 13b | | Adjusted secup (m) = 39.7320 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A2-15. KLX22B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 14a | Bh-length (m) = 40.8 T (m ² /s) = 6.22E-9 PFL confidence= Certain | Adjusted secup (m) = 40.8600 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |
| 14b | | Adjusted secup (m) = 40.9000 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 14c | | Adjusted secup (m) = 40.9340 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A2-16. KLX22B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 15 | Bh-length (m) = 42 T (m ² /s) = 1.88E-8 PFL confidence= Certain | Adjusted secup (m) = 41.9680 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |

Table A2-17. KLX22B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 16a | Bh-length (m) = 43.6 T (m ² /s) = 1.29E-8 PFL confidence= Certain | Adjusted secup (m) = 43.5770 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |
| 16b | | Adjusted secup (m) = 43.6930 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A2-18. KLX22B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 17 | Bh-length (m) = 45.5 T (m ² /s) = 5.05E-10 PF confidence= Uncertain | Adjusted secup (m) = 45.6020 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |

Table A2-19. KLX22B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|------------|
| 18 | Bh-length (m) = 50.6 $T (m^2/s) = 1.36E-8$ PF confidence= Certain | Adjusted secup (m) = 50.3950 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 3 Best choice | |

Table A2-20. KLX22B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 19 | Bh-length (m) = 58.2 T (m ² /s) = 2.03E-7 PF confidence= Certain | Adjusted secup (m) = 58.2080 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |

Table A2-21. KLX22B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 20a | Bh-length (m) = 59.3 T (m ² /s) = 8.69E-8 PF confidence= Certain | Adjusted secup (m) = 59.1790 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 20b | | Adjusted secup (m) = 59.2230 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 20c | | Adjusted secup (m) = 59.3470 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A2-22. KLX22B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|------------|
| 21a | Bh-length (m) = 60.9 $T (m^2/s) = 1.08E-8$ PF confidence= Certain | Adjusted secup (m) = 60.8840 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |
| 21b | | Adjusted secup (m) = 61.1310 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |

Table A2-23. KLX22B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 22a | Bh-length (m) = 78.6 T (m ² /s) = 5.82E-10 PF confidence= Certain | Adjusted secup (m) = 78.5860 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |
| 22b | | Adjusted secup (m) = 78.6570 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A2-24. KLX22B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 23a | Bh-length (m) = 82.2 T (m ² /s) = 2.10E-8 PF confidence= Certain | Adjusted secup (m) = 81.9820 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 23b | | Adjusted secup (m) = 82.1240 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 23c | | Adjusted secup (m) = 82.3000 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A2-25. KLX22B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 24 | Bh-length (m) = 82.6 T (m ² /s) = 1.43E-9 PF confidence= Uncertain | Adjusted secup (m) = 82.4910 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |

Table A2-26. KLX22B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 25a | Bh-length (m) = 84 T (m ² /s) = 4.54E-8 PF confidence= Certain | Adjusted secup (m) = 83.9340 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 25b | | Adjusted secup (m) = 83.9700 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

Table A2-27. KLX22B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|---|
| 26 | Bh-length (m) = 85.9 T (m ² /s) = 1.85E-9 PF confidence= Certain | Adjusted secup (m) = 85.9170 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | <p>The BIPS image displays a vertical borehole log. The left side features depth markers in meters, ranging from 05.547 at the top to 88.383 at the bottom. The log shows a dark, textured central zone, likely representing a fracture, which is highlighted by a white V-shaped outline. A red arrow points downwards from the top of this V-shape. At the top of the log, the letters 'D', 'L', 'U', 'R', and 'D' are spaced across the width. A small red circle on the right side of the log contains the number '261.43'.</p> |

Table A2-28. KLX22B. Interpretation of PFL measurements and BOREMAP data

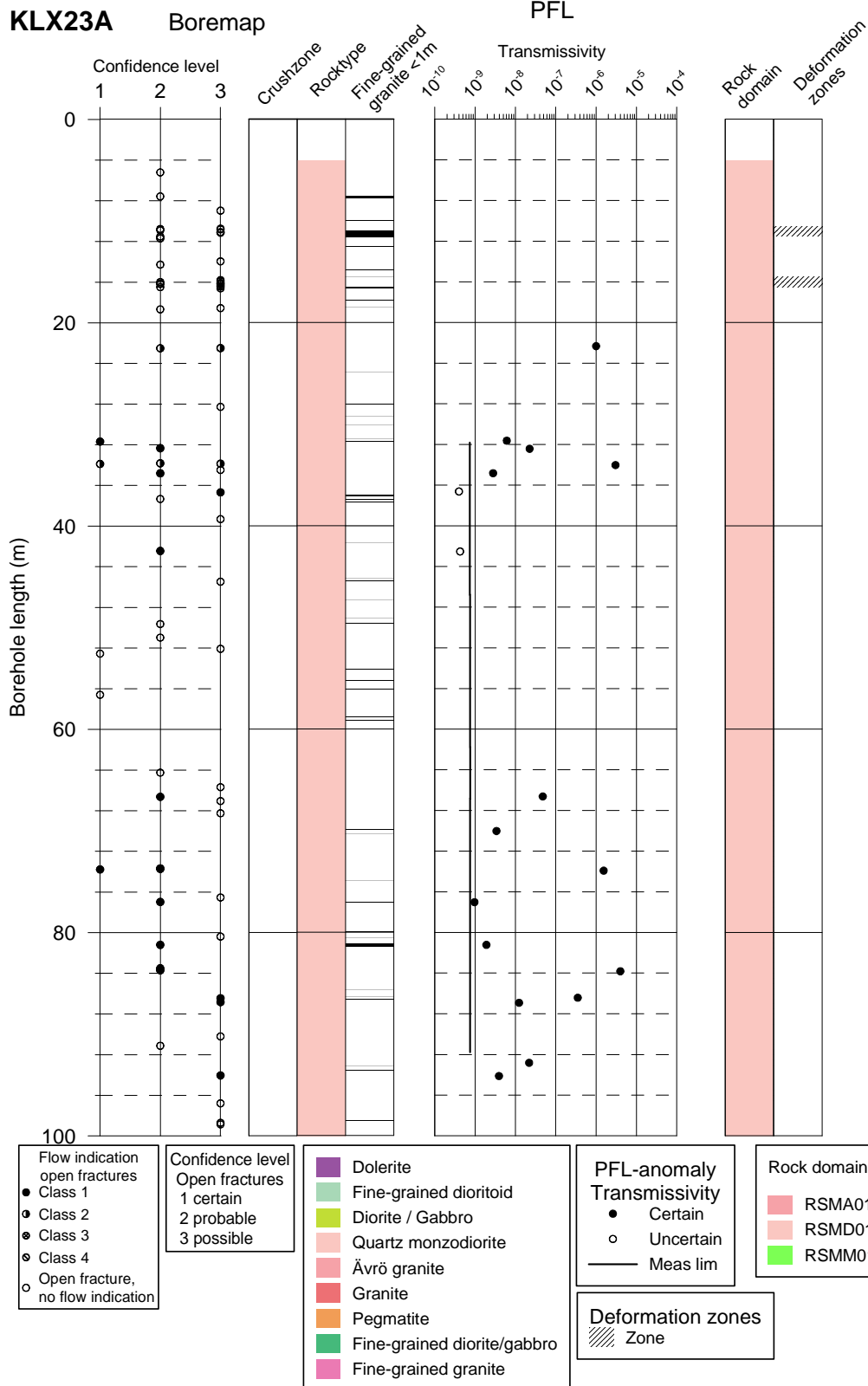
| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|--|
| 27a | Bh-length (m) = 89.3 T (m ² /s) = 2.22E-9 PF confidence= Certain | Adjusted secup (m) = 89.1570 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | <p>The BIPS image displays a vertical borehole profile. The left side shows depth markers from 88.891 to 89.726. The right side shows depth markers from 315.80 to 236.83. A red arrow points to a depth of approximately 89.3320. A red circle highlights the value '000 12' on the right side.</p> |
| 27b | | Adjusted secup (m) = 89.3320 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |
| 27c | | Adjusted secup (m) = 89.5450 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |

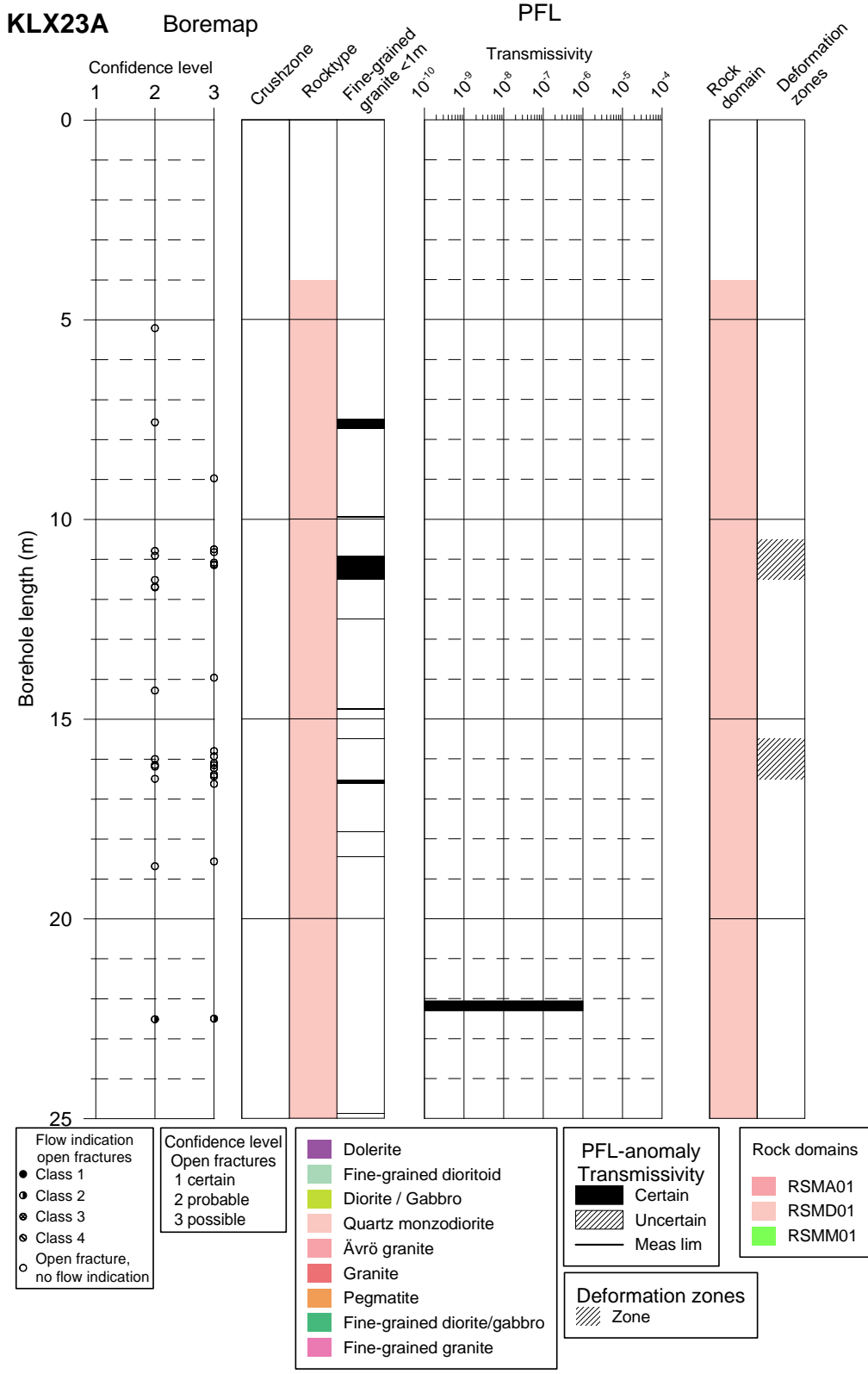
Table A2-29. KLX22B. Interpretation of PFL measurements and BOREMAP data

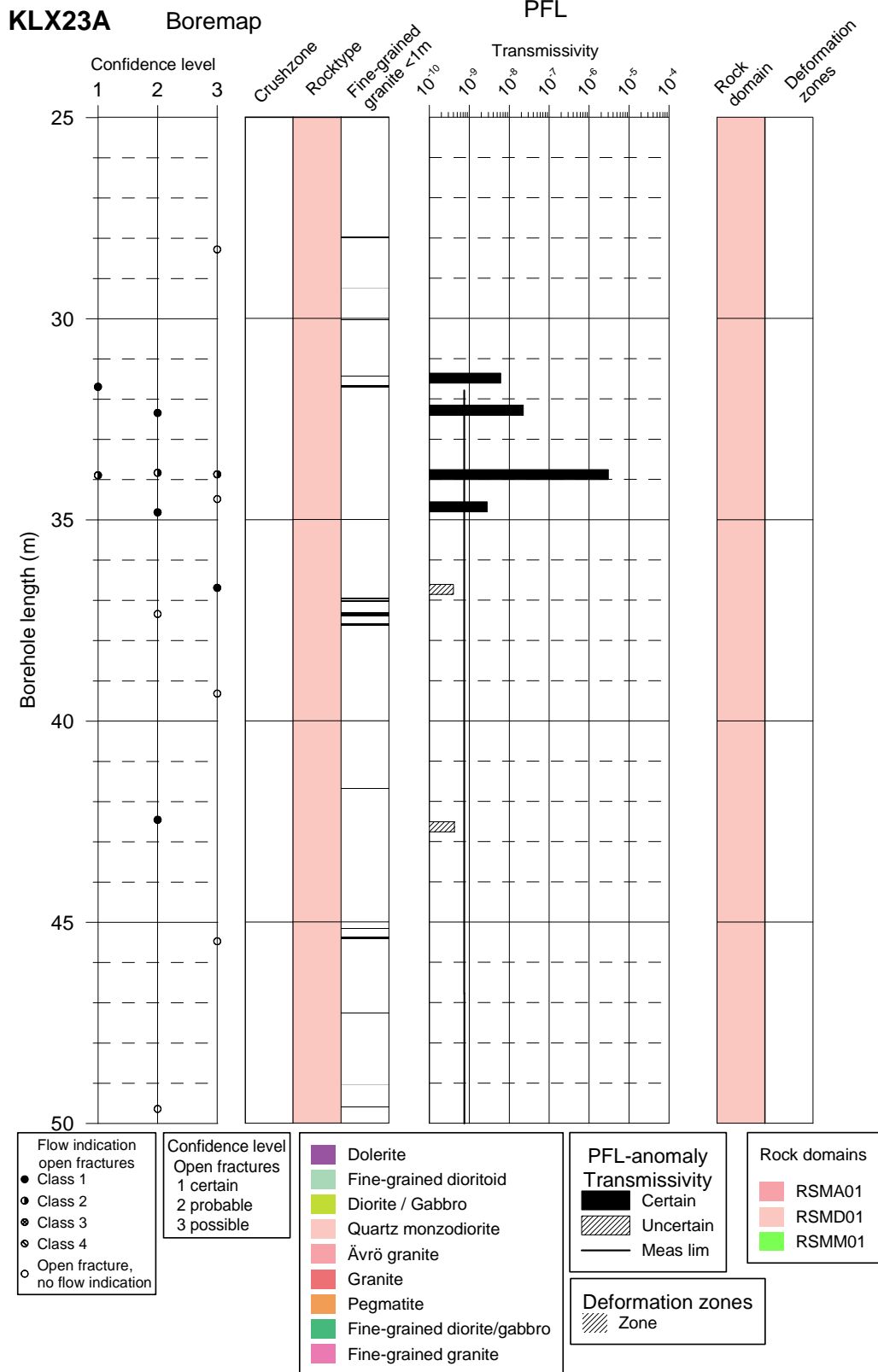
| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 28a | Bh-length (m) = 94.7 T (m ² /s) = 8.21E-9 PF confidence= Certain | Adjusted secup (m) = 94.6290 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |
| 28b | | Adjusted secup (m) = 94.7080 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

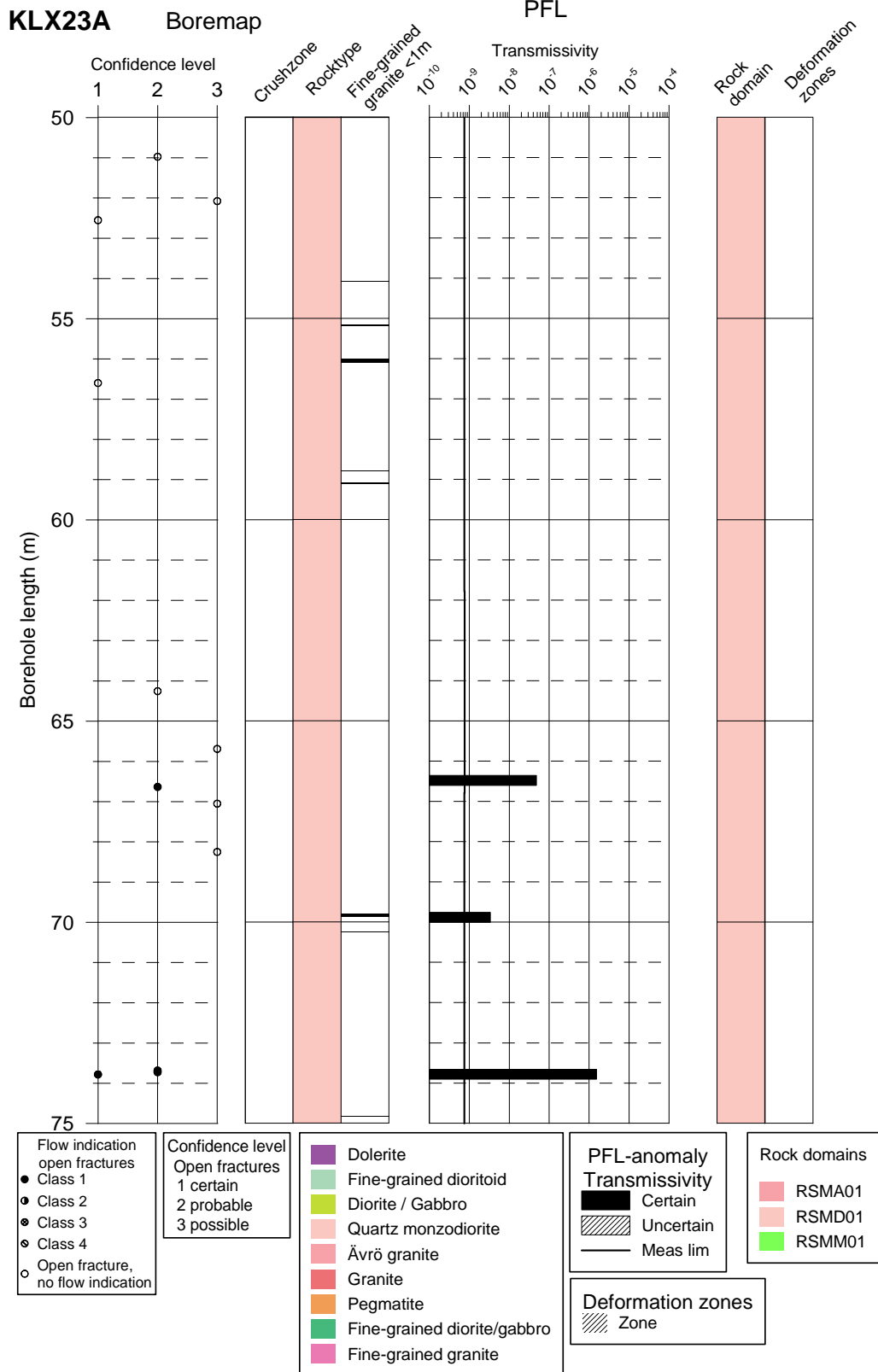
Appendix 3 – KLX23A

In this appendix plots showing Flow log anomalies to core mapped features in KLX23A for every 25 meters of the borehole are found. BIPS images of PFL anomalies are also found.









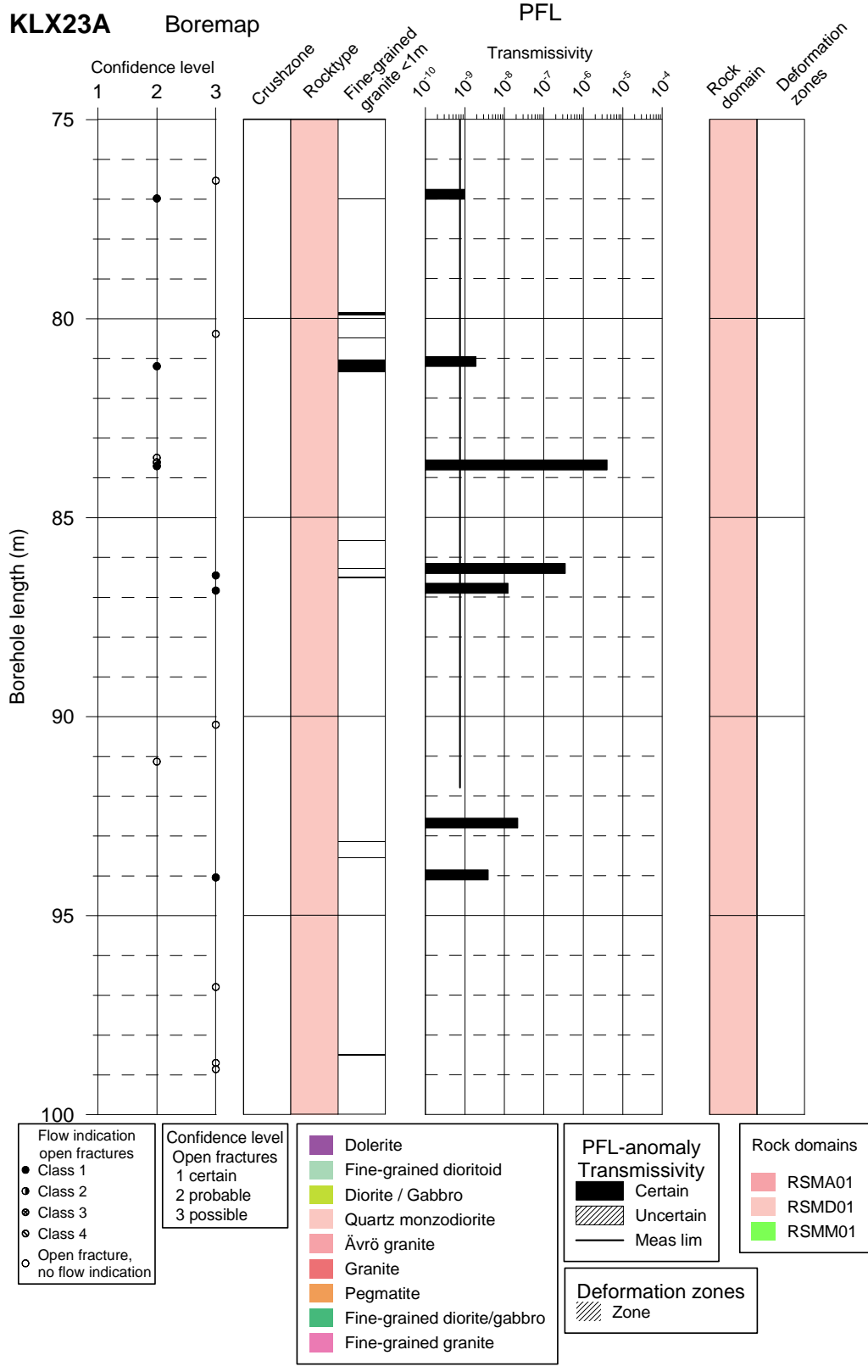


Table A3-1. KLX23A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 1a | Bh-length (m) = 22.3 T (m ² /s) = 1.00E-6 PFL confidence= Certain | Adjusted secup (m) = 22.4945 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 1b | | Adjusted secup (m) = 22.5105 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |
| 2 | Bh-length (m) = 31.6 T (m ² /s) = 6.11E-9 PFL confidence= Certain | Adjusted secup (m) = 31.6917 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |

Table A3-2. KLX23A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|--|
| 3 | Bh-length (m) = 32.4 T (m ² /s) = 2.25E-8 PFL confidence= Certain | Adjusted secup (m) = 32.3416 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | <p>The BIPS image displays a vertical cross-section of a borehole. The left side features depth markers in meters, ranging from 31.997 at the top to 32.836 at the bottom. The right side also has depth markers, with '234.70' and '102.08' (circled in red) visible. A red arrow points to a depth level of approximately 32.350 m. The image shows a textured, granular material within the borehole.</p> |

Table A3-3. KLX23A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 4a | Bh-length (m) = 34 T (m ² /s) = 3.03E-6 PFL confidence= Certain | Adjusted secup (m) = 33.8286 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 4b | | Adjusted secup (m) = 33.8666 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 4c | | Adjusted secup (m) = 33.8906 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 2 Best choice | |

Table A3-4. KLX23A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|------------|
| 5 | <p>Bh-length (m) = 34.8</p> <p>$T (m^2/s) = 2.79E-9$</p> <p>PFL confidence= Certain</p> | <p>Adjusted secup (m) = 34.8109</p> <p>Fract_interpret / Varcodes= open fr.</p> <p>Frac.interp. confidence= Probable</p> <p>PFL-anom. confidence= 1</p> <p>Best choice</p> | |
| 6 | <p>Bh-length (m) = 36.6</p> <p>$T (m^2/s) = 3.99E-10$</p> <p>PFL confidence= Uncertain</p> | <p>Adjusted secup (m) = 36.6863</p> <p>Fract_interpret / Varcodes= open fr.</p> <p>Frac.interp. confidence= Possible</p> <p>PFL-anom. confidence= 1</p> <p>Best choice</p> | |

Table A3-5. KLX23A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 7 | Bh-length (m) = 42.5 T (m ² /s) = 4.25E-10 PFL confidence= Uncertain | Adjusted secup (m) = 42.4530 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 8 | Bh-length (m) = 66.6 T (m ² /s) = 4.76E-8 PFL confidence= Certain | Adjusted secup (m) = 66.6345 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |

Table A3-6. KLX23A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|---|
| 9 | Bh-length (m) = 70 T (m ² /s) = 3.40E-9 PFL confidence= Certain | Adjusted secup (m) = 70.0838 Fract_interpret / Varcodes= Sealed fr. Frac.interp. confidence= Certain PFL-anom. confidence= 0 Best choice | <p>The BIPS image is a vertical cross-section of a geological formation. The top is labeled 'D' and the bottom 'D'. The left side has a vertical scale from 69.703 to 70.545 in increments of 0.022. The right side has a vertical scale from 129.10 to 201.00 in increments of 12.22. A red arrow points to a feature at approximately 69.903. A circled number '178.87' is located on the right side at approximately 70.104.</p> |

Table A3-7. KLX23A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 10a | Bh-length (m) = 73.9 T (m ² /s) = 1.54E-6 PFL confidence= Certain | Adjusted secup (m) = 73.6855 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 10b | | Adjusted secup (m) = 73.7246 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 10c | | Adjusted secup (m) = 73.7817 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |

Table A3-8. KLX23A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 11 | Bh-length (m) = 77 T (m ² /s) = 9.69E-10 PFL confidence= Certain | Adjusted secup (m) = 76.9806 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 12 | Bh-length (m) = 81.2 T (m ² /s) = 1.91E-9 PFL confidence= Certain | Adjusted secup (m) = 81.1955 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |

Table A3-9. KLX23A. Interpretation of PFL measurements and BOREMAP data

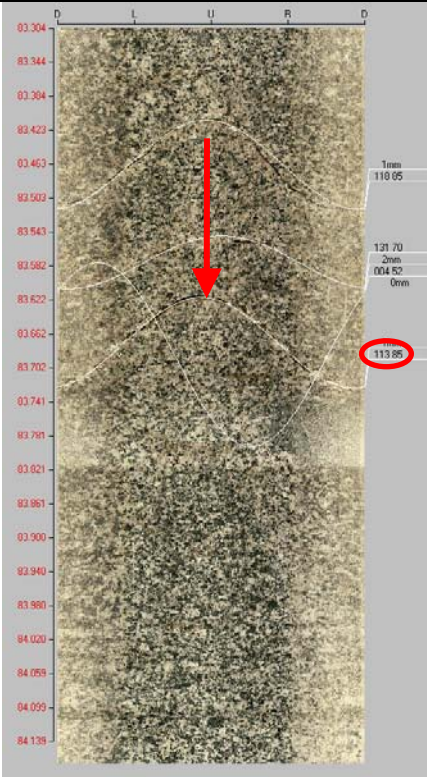
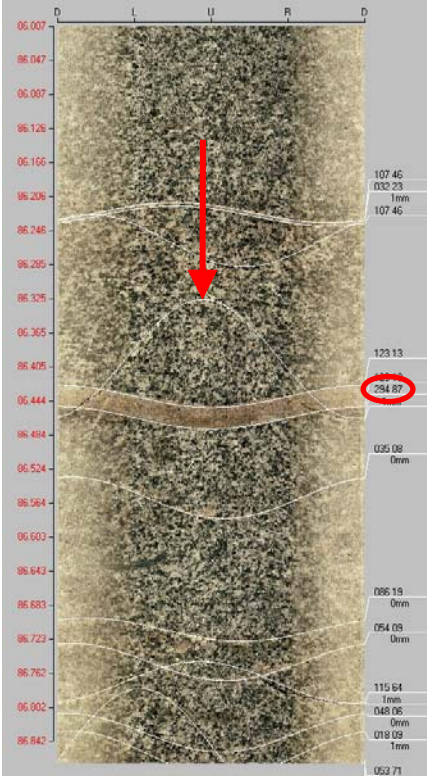
| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|--|
| 13a | Bh-length (m) = 83.8 T (m ² /s) = 3.99E-6 PFL confidence= Certain | Adjusted secup (m) = 83.6087 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 |  |
| 13b | | Adjusted secup (m) = 83.7039 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 14 | Bh-length (m) = 86.4 T (m ² /s) = 3.50E-7 PFL confidence= Certain | Adjusted secup (m) = 86.4497 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice |  |

Table A3-10. KLX23A. Interpretation of PFL measurements and BOREMAP data

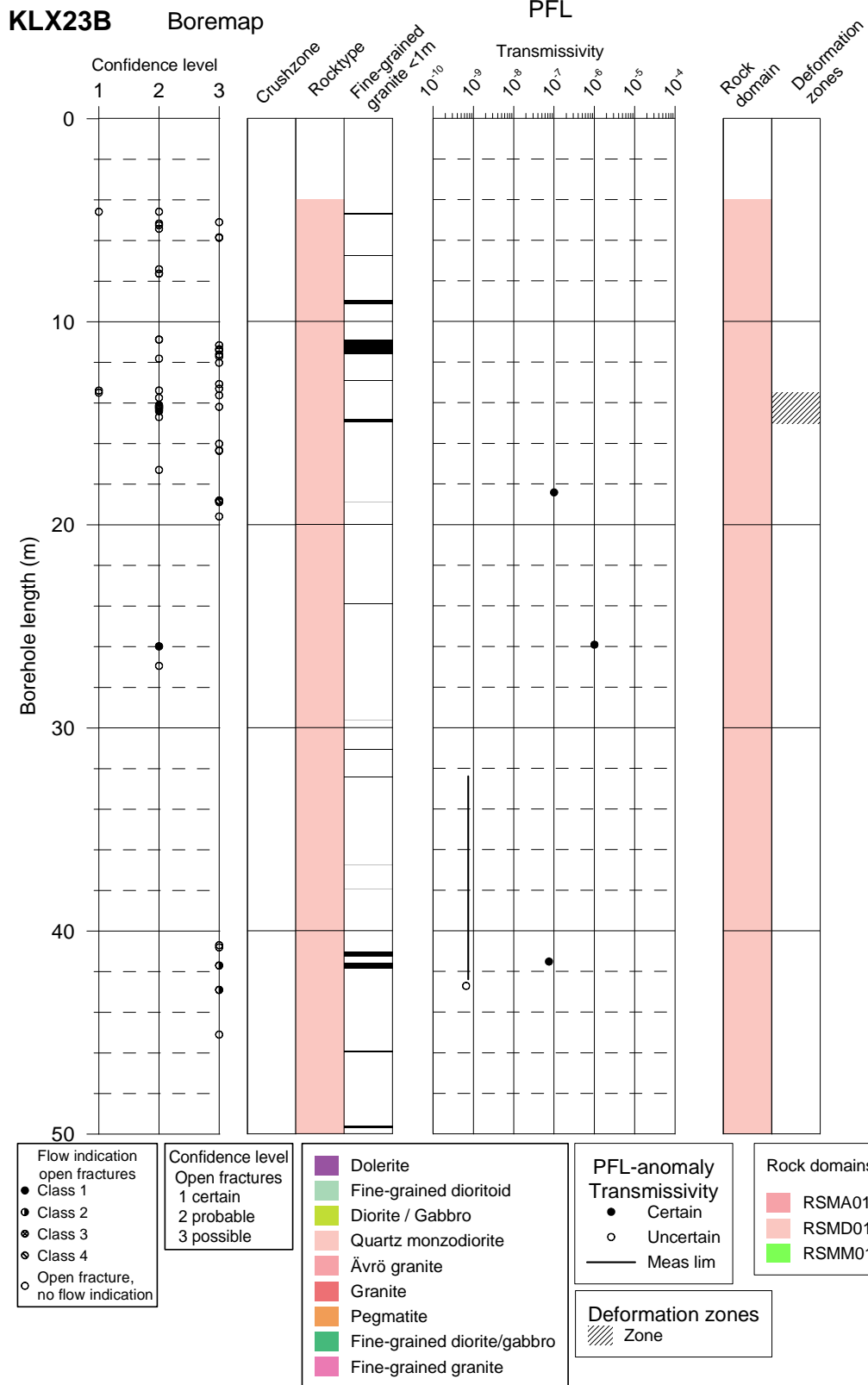
| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 15 | Bh-length (m) = 86.9 $T (m^2/s) = 1.23E-8$ PFL confidence= Certain | Adjusted secup (m) = 86.8306 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |
| 16 | Bh-length (m) = 92.8 $T (m^2/s) = 2.19E-8$ PFL confidence= Certain | Adjusted secup (m) = 93.1000 Fract_interpret / Varcodes= sealed fr. Frac.interp. confidence= Certain PFL-anom. confidence= 0 Best choice | |

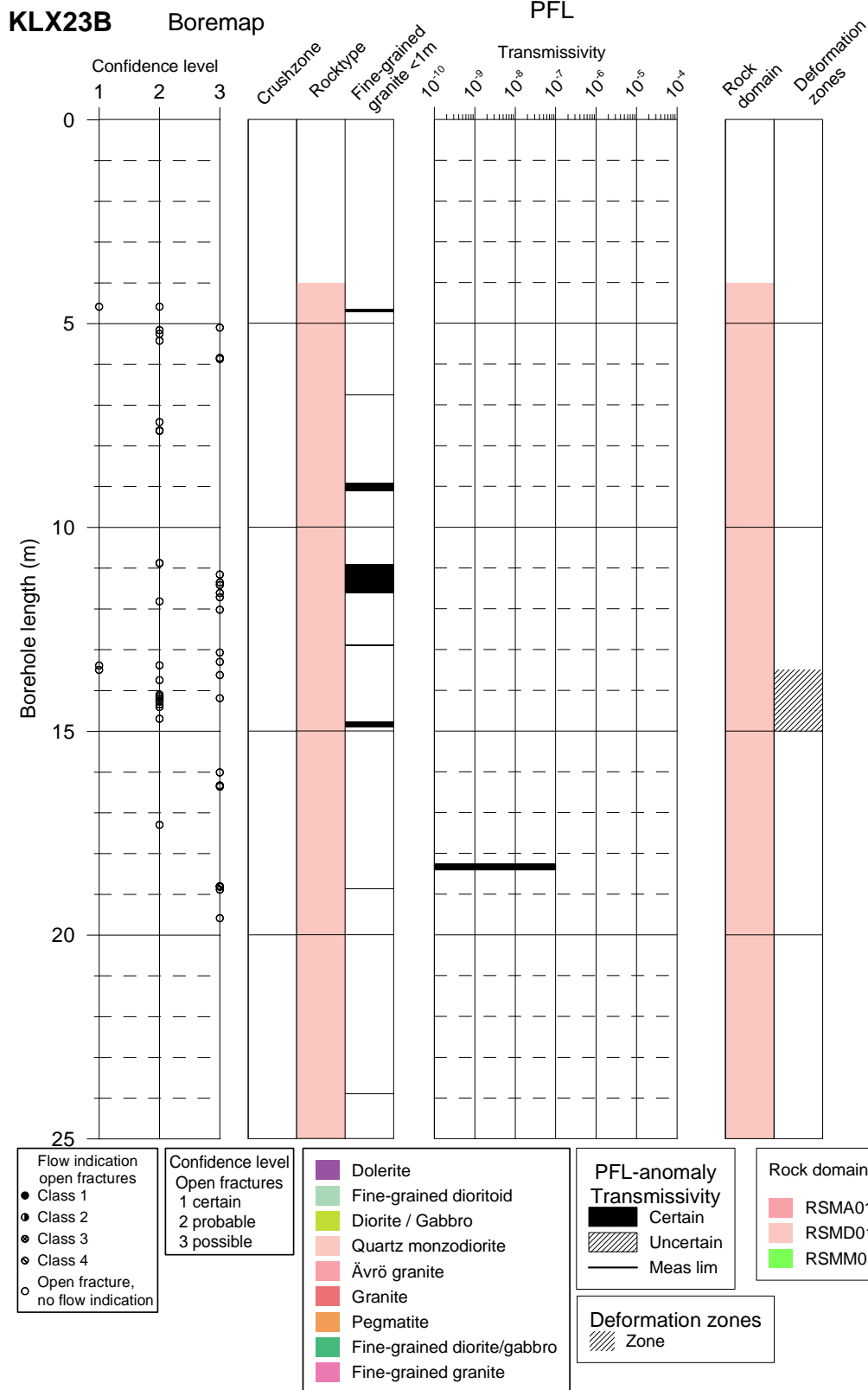
Table A3-11. KLX23A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|---|
| 17 | Bh-length (m) = 94.1 T (m ² /s) = 3.91E-9 PF confidence= Certain | Adjusted secup (m) = 94.0400 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= Best choice | <p>The BIPS image displays a vertical borehole log. The left side features depth markers in meters, ranging from 93.679 at the top to 94.513 at the bottom. A red arrow points to a specific depth level. On the right side, there are two '000 00' labels, one of which is circled in red. The log itself shows a textured, brownish-green material, likely representing the borehole wall or a specific geological formation.</p> |

Appendix 4 – KLX23B

In this appendix plots showing Flow log anomalies to core mapped features in KLX23B for every 25 meters of the borehole are found. BIPS images of PFL anomalies are also found.





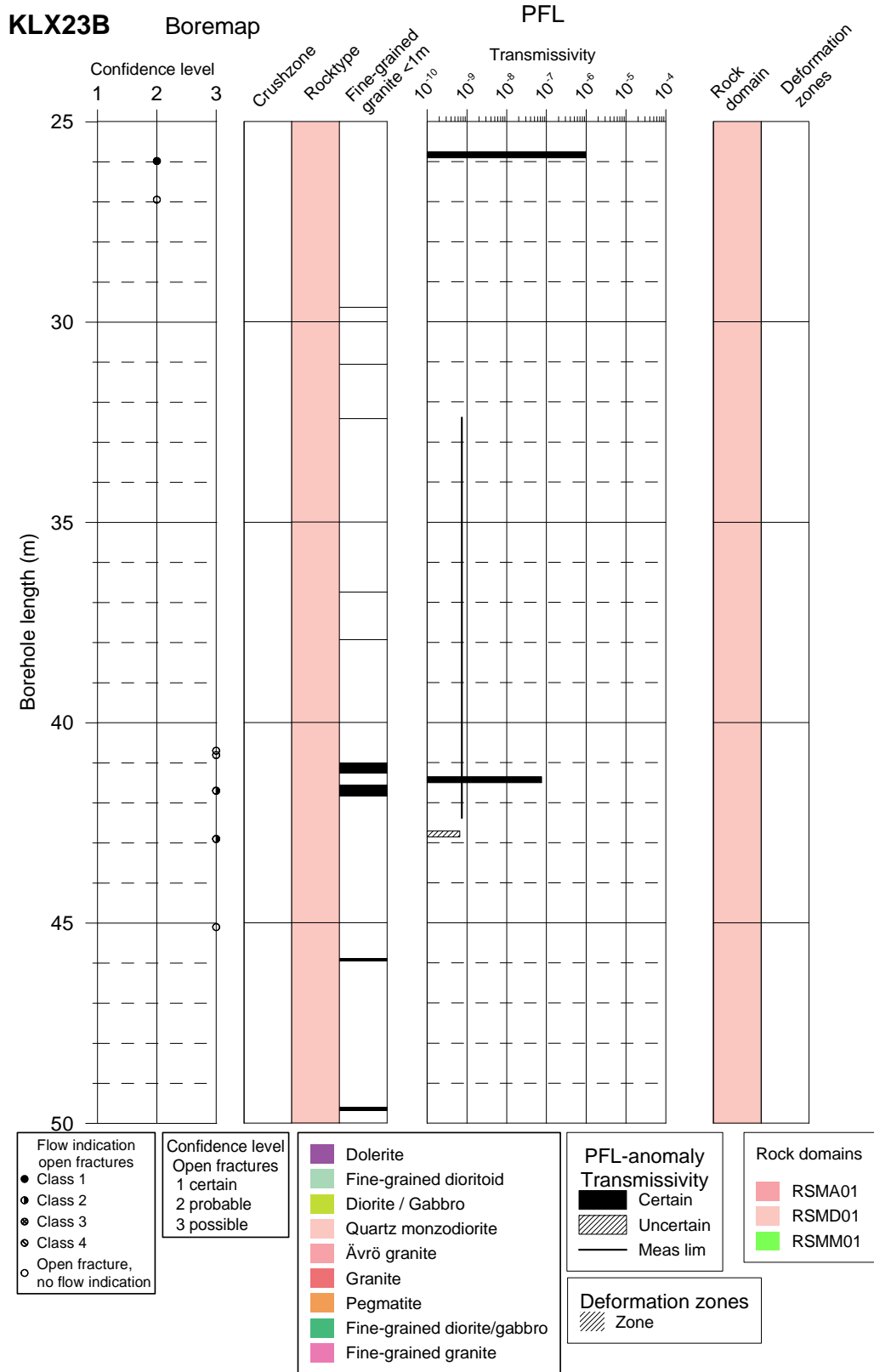


Table A4-1. KLX23B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 1 | Bh-length (m) = 18.4 T (m ² /s) = 1.00E-7 PFL confidence= Certain | Adjusted secup (m) = 18.8030 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 4 Best choice | |

Table A4-2. KLX23B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|--|
| 2 | Bh-length (m) = 25.9 T (m ² /s) = 1.00E-6 PFL confidence= Certain | Adjusted secup (m) = 25.9790 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | <p>The BIPS image shows a vertical cross-section of a borehole. The left side has depth markers in meters, ranging from 25.476 at the top to 26.321 at the bottom. A red arrow points to a depth of approximately 25.9790 m. A small red circle highlights the text '325 07' on the right side of the image.</p> |

Table A4-3. KLX23B. Interpretation of PFL measurements and BOREMAP data

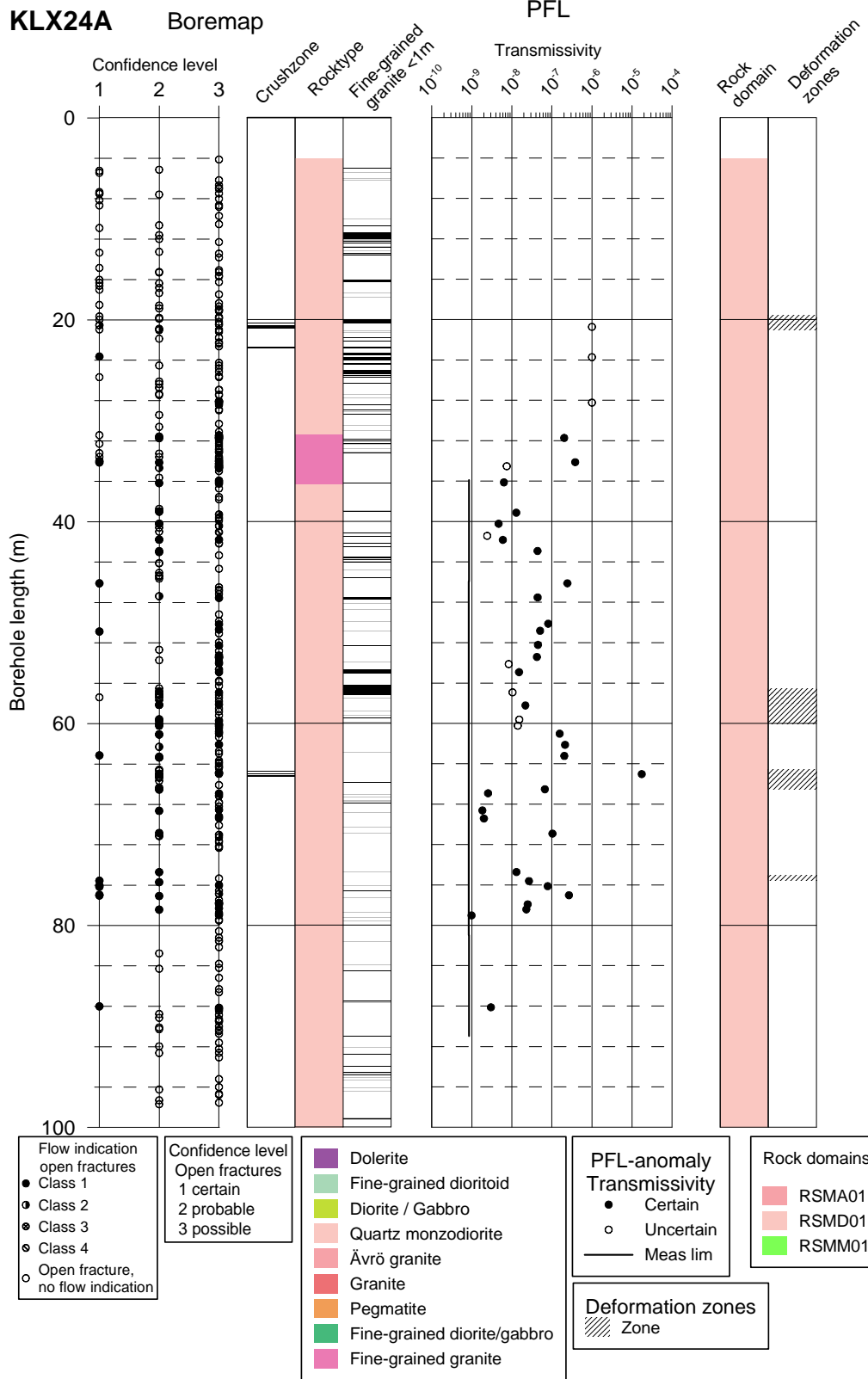
| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|---|
| 3 | Bh-length (m) = 41.5 T (m ² /s) = 7.49E-8 PFL confidence= Certain | Adjusted secup (m) = 41.6970 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 Best choice | <p>The BIPS image shows a vertical cross-section of a well. The left side has depth markers from 41.121 to 41.965 in increments of 0.018. The right side has depth markers at 152.59, 157.57, 255.51, and 129.08. A red arrow points to a depth of approximately 41.643. A circled number '030 21' is visible on the right side of the image.</p> |

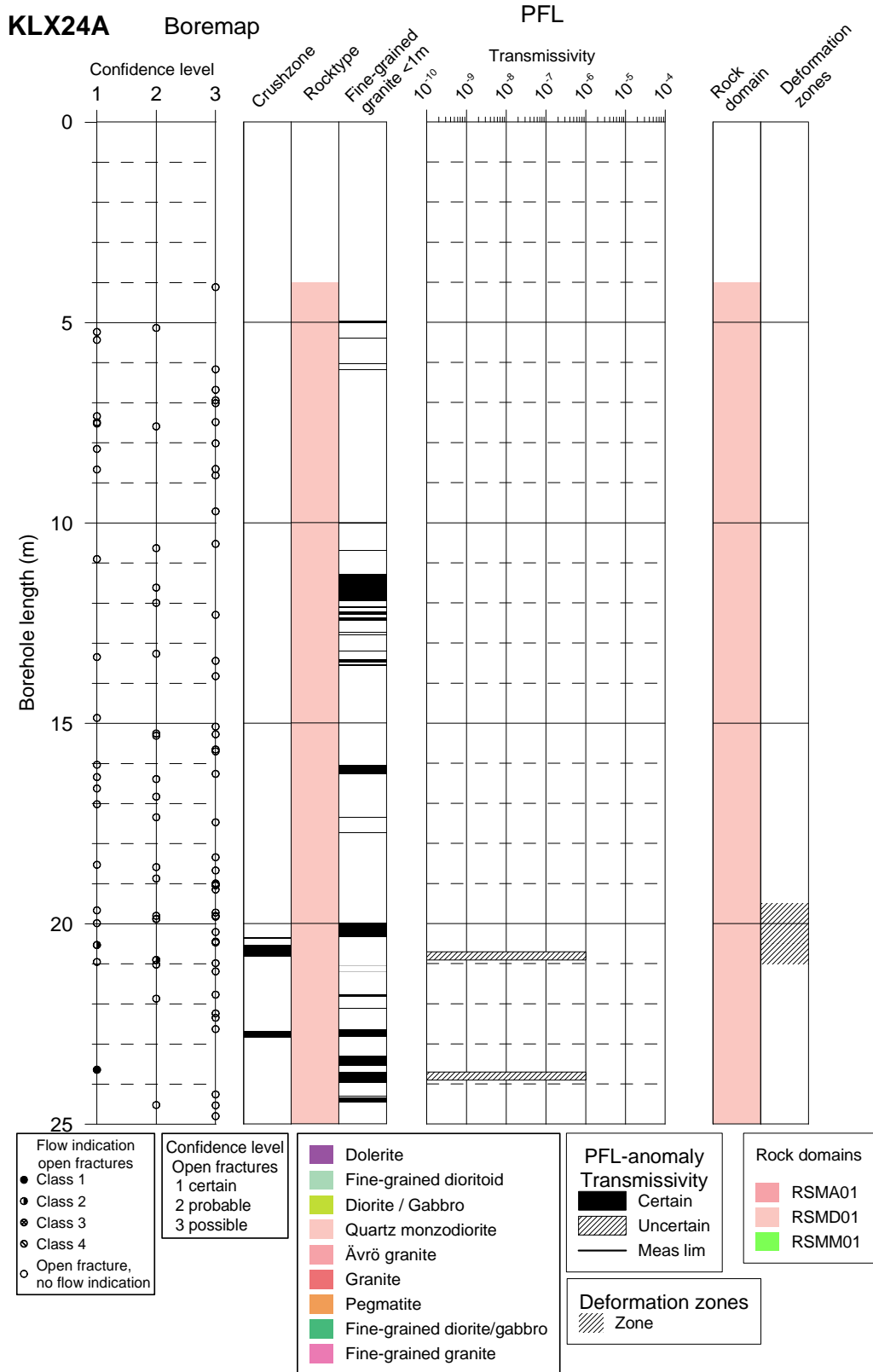
Table A4-4. KLX23B. Interpretation of PFL measurements and BOREMAP data

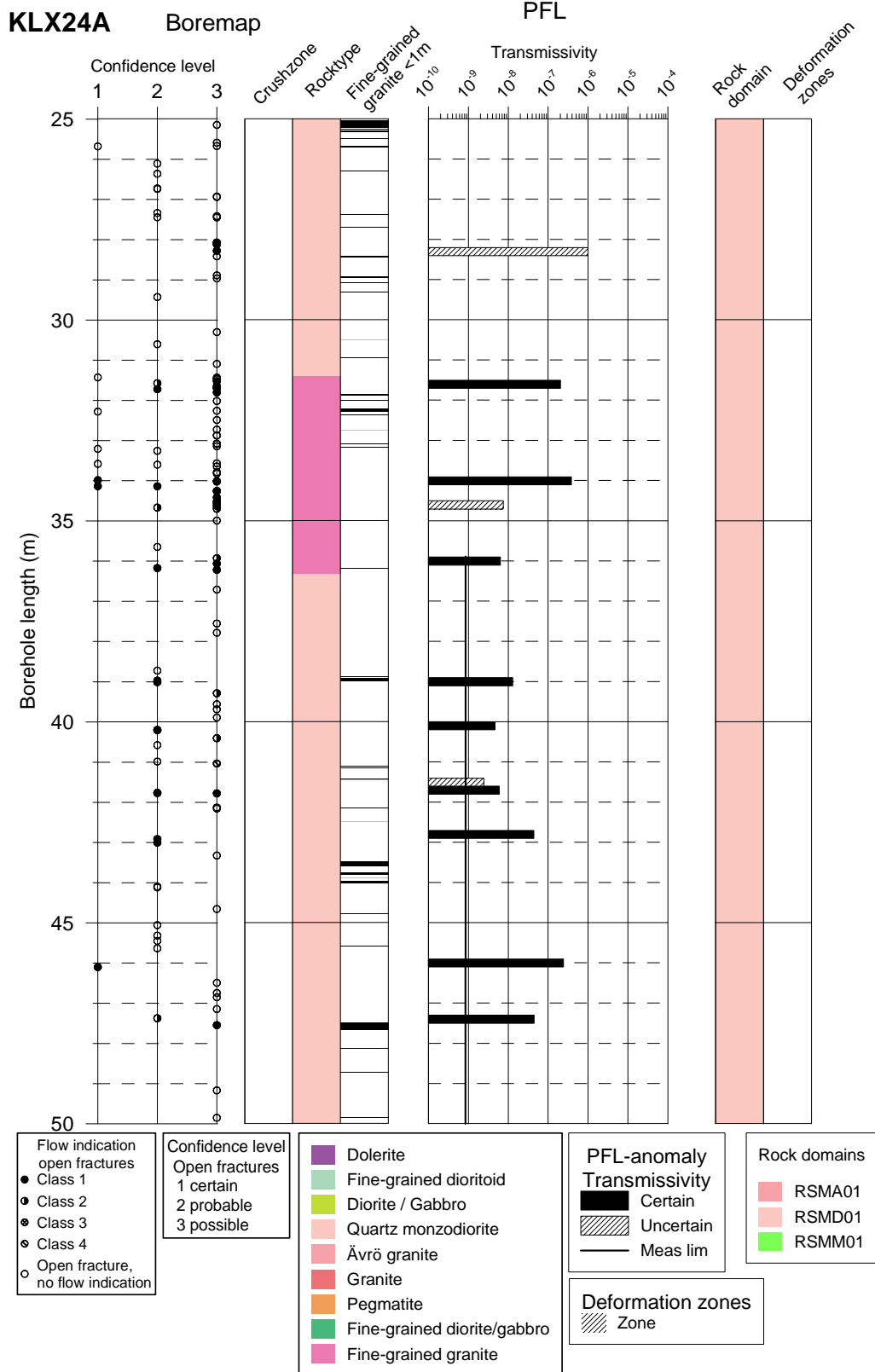
| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|------------|
| 4 | Bh-length (m) = 42.7 $T (m^2/s) = 6.56E-10$ PFL confidence= Uncertain | Adjusted secup (m) = 42.9000 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 Best choice | |

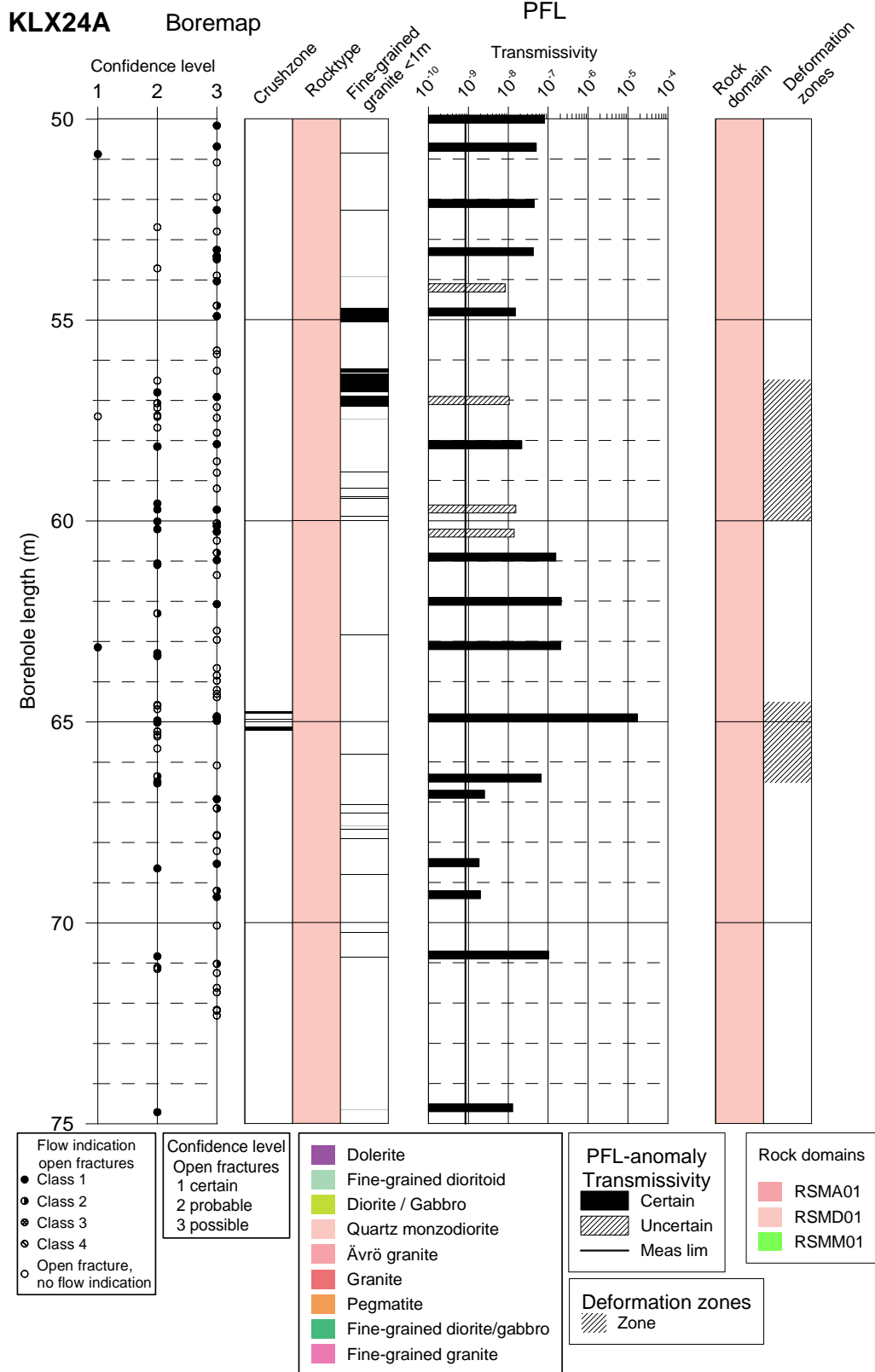
Appendix 5 – KLX24A

In this appendix plots showing Flow log anomalies to core mapped features in KLX24A for every 25 meters of the borehole are found. BIPS images of PFL anomalies are also found.









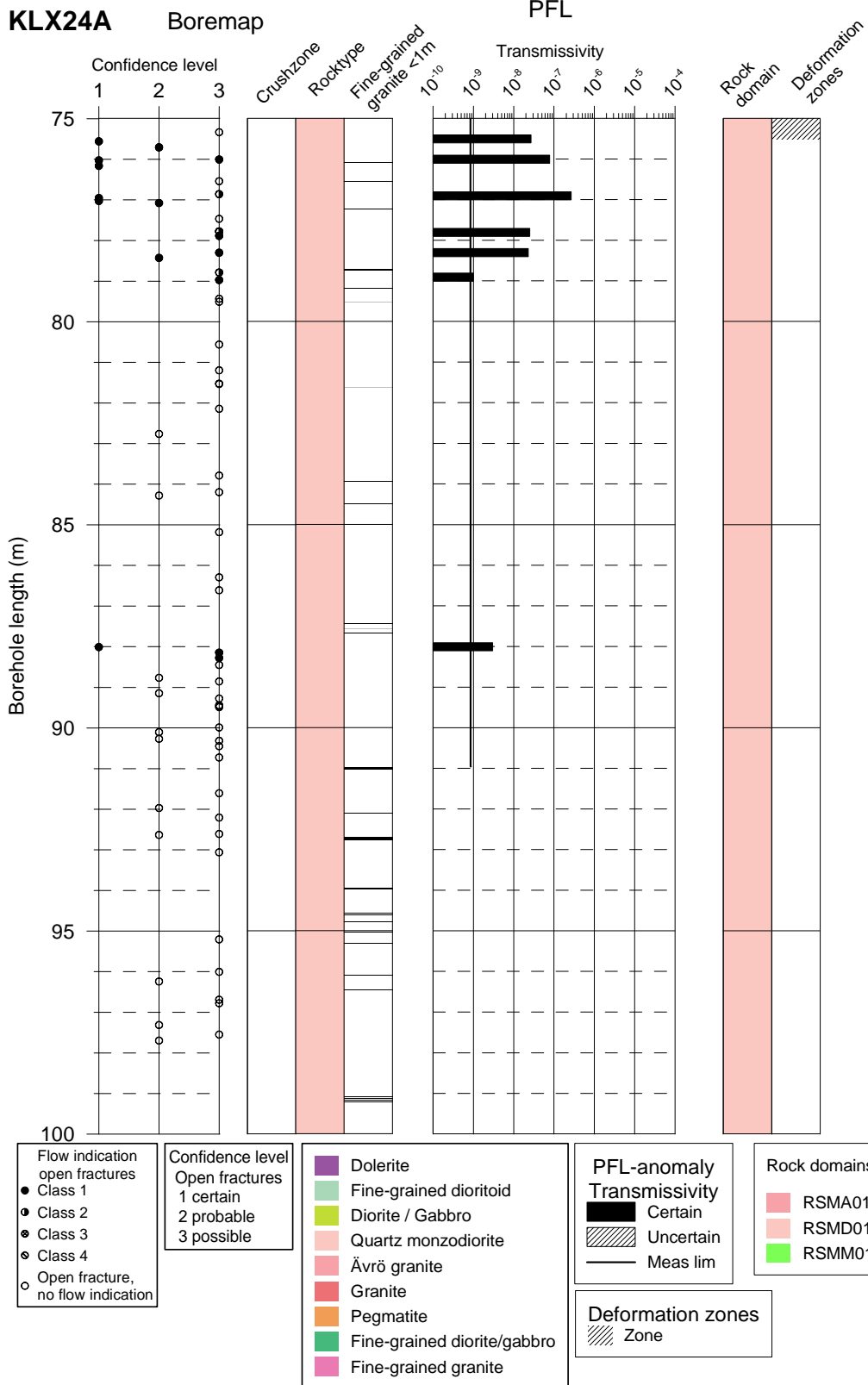


Table A5-1. KLX24A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|--|
| 1a | Bh-length (m) = 20.7 T (m ² /s) = 1.00E-6 PFL confidence= Uncertain | Adjusted secup (m) = 20.5290 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 2 Best choice | <p>The BIPS image is a vertical cross-section of a geological formation. It shows various layers and structures. At the top, there are labels 'D', 'L', 'U', 'R', 'D'. On the left side, there are numerical values ranging from 20.223 to 21.064. On the right side, there are numerical values ranging from 122.22 to 194.31. Three red arrows point to specific features: one points to a dark, irregular shape in the middle section, another points to a similar shape below it, and the third points to a feature near the bottom. A red circle highlights the value '138.74' on the right side.</p> |
| 1b | | Adjusted secup (m) = 20.9005 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 1c | | Adjusted secup (m) = 20.5470 Adjusted seclow (m) = 20.8204 Fract_interpret / Varcodes= Crush zone PFL-anom. confidence= 1 Best choice crush | |

Table A5-2. KLX24A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 2 | Bh-length (m) = 23.7 T (m ² /s) = 1.00E-6 PFL confidence= Uncertain | Adjusted secup (m) = 23.6413 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |

Table A5-3. KLX24A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 3a | Bh-length (m) = 28.2 T (m ² /s) = 1.00E-6 PFL confidence= Uncertain | Adjusted secup (m) = 28.0705 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 3b | | Adjusted secup (m) = 28.0885 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 3c | | Adjusted secup (m) = 28.1196 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 3d | | Adjusted secup (m) = 28.2758 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |

Table A5-4. KLX24A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|---|
| 4a | Bh-length (m) = 31.7 T (m ² /s) = 2.03E-7 PFL confidence= Certain | Adjusted secup (m) = 31.5223 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | <p>The BIPS image is a vertical cross-section of a geological formation. It shows several distinct layers with varying textures and colors, ranging from light brown to dark green. A red arrow points to a specific feature within the formation, which is circled in red. The image is overlaid with a grid of white lines, and numerical values are displayed along the left and right edges. The top edge is labeled with 'D', 'L', 'U', 'R', 'D'. The left edge has values from 31.238 to 32.079. The right edge has values from 104.47 to 334.65. A red arrow points to a value of 192.78, which is circled in red.</p> |
| 4b | | Adjusted secup (m) = 31.5734 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 4c | | Adjusted secup (m) = 31.6465 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 4d | | Adjusted secup (m) = 31.6835 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

| | | |
|----|--|--|
| 4e | Bh-length (m) = 31.7 T (m ² /s) = 2.03E-7 PFL confidence= Certain | Adjusted secup (m) = 31.7015 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 |
| 4f | | Adjusted secup (m) = 31.7206 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice |
| 4g | | Adjusted secup (m) = 31.8047 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 |

Table A5-5. KLX24A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 5a | Bh-length (m) = 34.1 $T (m^2/s) = 3.82E-7$ PFL confidence= Certain | Adjusted secup (m) = 33.9847 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |
| 5b | | Adjusted secup (m) = 34.0097 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 5c | | Adjusted secup (m) = 34.0188 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 5d | | Adjusted secup (m) = 34.1339 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |

| | | |
|----|------------------------------------|---|
| 5e | Bh-length (m) = 34.1 | Adjusted secup (m) = 34.1369 |
| | T (m ² /s) = 3.82E-7 | Fract_interpret / Varcodes= open fr. |
| | PFL confidence= Certain | Frac.interp. confidence= Probable |
| | | PFL-anom. confidence= 1 |
| 5f | | Adjusted secup (m) = 34.2551 |
| | | Fract_interpret / Varcodes= open fr. |
| | | Frac.interp. confidence= Possible |
| | | PFL-anom. confidence= 1 |

Table A5-6. KLX24A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 6a | Bh-length (m) = 34.5 $T (m^2/s) = 7.46E-9$ PFL confidence= Uncertain | Adjusted secup (m) = 34.2551 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 6b | | Adjusted secup (m) = 34.4163 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 6c | | Adjusted secup (m) = 34.5155 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 6d | | Adjusted secup (m) = 34.5675 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

| | | |
|----|------------------------------------|--|
| 6e | Bh-length (m) = 34.5 | Adjusted secup (m) = 34.6236 |
| | T (m ² /s) = 7.46E-9 | Fract_interpret / Varcod= |
| | PFL confidence= Uncertain | open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 |
| 6f | | Adjusted secup (m) = 34.6667 |
| | | Fract_interpret / Varcod= |
| | | open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice |
| 6g | | Adjusted secup (m) = 34.6967 |
| | | Fract_interpret / Varcod= |
| | | open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 |

Table A5-7. KLX24A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 7a | Bh-length (m) = 36.1 T (m ² /s) = 6.34E-9 PFL confidence= Certain | Adjusted secup (m) = 35.9264 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 7b | | Adjusted secup (m) = 36.0616 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 7c | | Adjusted secup (m) = 36.1718 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 7d | | Adjusted secup (m) = 36.2158 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A5-8. KLX24A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|--|
| 8a | Bh-length (m) = 39.1 T (m ² /s) = 1.29E-8 PFL confidence= Certain | Adjusted secup (m) = 38.9727 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | <p>The BIPS image is a vertical cross-section of a geological formation. It shows various layers and structures. A red arrow points to a specific feature in the upper-middle section. On the right side, there is a list of numerical values, some of which are circled in red: 195.88, 051.10, 145.22, 046.16, 216.58, 216.55, 188.32, 223.68, 100.32, 215.71, 214.73, 200.60, 106.81, 217.74, 147.15, 216.70, 230.05, 214.00, 264.00, 207.00, 189.32, 263.18, 255.17, and 108.09.</p> |
| 8b | | Adjusted secup (m) = 39.0107 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 8c | | Adjusted secup (m) = 39.2861 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |

Table A5-9. KLX24A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 9a | Bh-length (m) = 40.2 T (m ² /s) = 4.68E-9 PFL confidence= Certain | Adjusted secup (m) = 40.1974 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 9b | | Adjusted secup (m) = 40.2074 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 9c | | Adjusted secup (m) = 40.4057 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |

Table A5-10. KLX24A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|---|
| 10a | Bh-length (m) = 41.4 $T (m^2/s) = 2.43E-9$ PFL confidence= Uncertain | Adjusted secup (m) = 41.0345 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 4 Best choice | <p>The BIPS image for PFL 10a shows a geological cross-section with elevations ranging from 40.931 to 41.773. A red arrow points to a feature at an elevation of 102.53. Other elevations marked on the right include 105.80, 135.84, 270.46, 240.66, 157.79, 159.79, 086.24, 096.24, 204.71, 169.32, and 274.12.</p> |
| 10b | | Adjusted secup (m) = 41.7675 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 4 | |
| 11a | Bh-length (m) = 41.8 $T (m^2/s) = 5.95E-9$ PFL confidence= Certain | Adjusted secup (m) = 41.7675 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | <p>The BIPS image for PFL 11a shows a geological cross-section with elevations ranging from 41.332 to 41.773. A red arrow points to a feature at an elevation of 274.12. Other elevations marked on the right include 157.79, 159.79, 086.24, 096.24, 204.71, 189.32, 230.14, 306.28, 229.20, 254.26, 188.32, 211.61, 188.32, 212.62, 210.62, and 279.24.</p> |
| 11b | | Adjusted secup (m) = 41.7776 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A5-11. KLX24A. Interpretation of PFL measurements and BOREMAP data

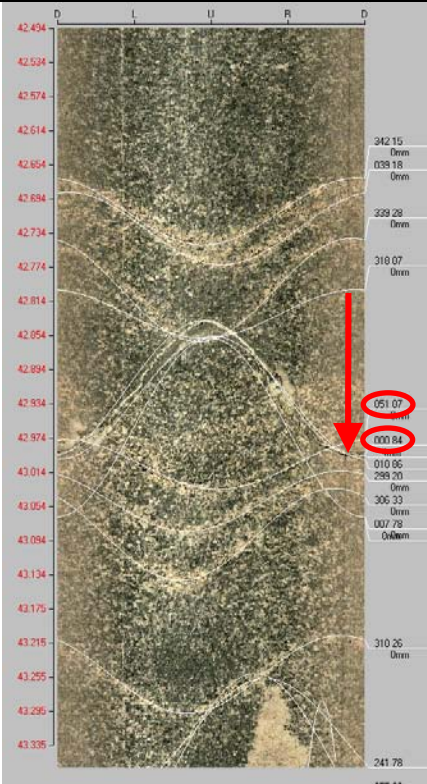
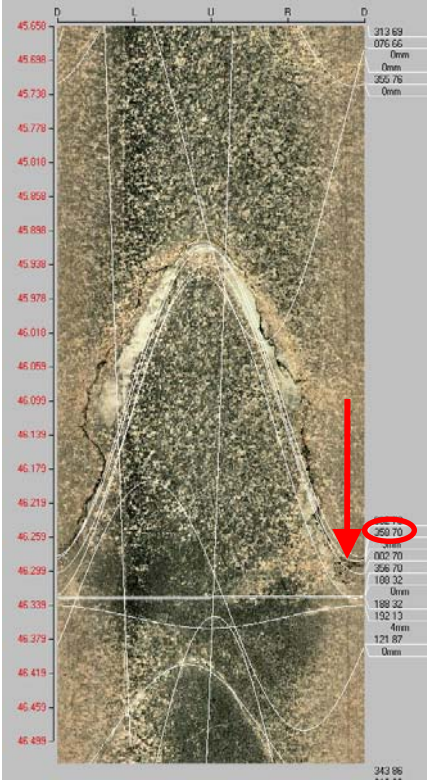
| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|--|
| 12a | Bh-length (m) = 42.9 T (m ² /s) = 4.39E-8 PFL confidence= Certain | Adjusted secup (m) = 42.9161 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice |  |
| 12b | | Adjusted secup (m) = 43.0053 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 13 | Bh-length (m) = 46.1 T (m ² /s) = 2.43E-7 PFL confidence= Certain | Adjusted secup (m) = 46.1016 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice |  |

Table A5-12. KLX24A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 14a | Bh-length (m) = 47.5 $T (m^2/s) = 4.42E-8$ PFL confidence= Certain | Adjusted secup (m) = 47.3743 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |
| 14b | | Adjusted secup (m) = 47.5456 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 15 | Bh-length (m) = 50.1 $T (m^2/s) = 8.07E-8$ PFL confidence= Certain | Adjusted secup (m) = 50.1613 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |

Table A5-13. KLX24A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|------------|
| 16a | <p>Bh-length (m) = 50.8</p> <p>T (m²/s) = 5.07E-8</p> <p>PFL confidence= Certain</p> | <p>Adjusted secup (m) = 50.6823</p> <p>Fract_interpret / Varcodes= open fr.</p> <p>Frac.interp. confidence= Possible</p> <p>PFL-anom. confidence= 1</p> <p>Best choice</p> | |
| 16b | | <p>Adjusted secup (m) = 50.8727</p> <p>Fract_interpret / Varcodes= Partly open fr.</p> <p>Frac.interp. confidence= Certain</p> <p>PFL-anom. confidence= 1</p> | |
| 17 | <p>Bh-length (m) = 52.2</p> <p>T (m²/s) = 4.49E-8</p> <p>PF confidence= Certain</p> | <p>Adjusted secup (m) = 52.2613</p> <p>Fract_interpret / Varcodes= open fr.</p> <p>Frac.interp. confidence= Possible</p> <p>PFL-anom. confidence= 1</p> <p>Best choice</p> | |

Table A5-14. KLX24A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 18a | Bh-length (m) = 53.4 T (m ² /s) = 4.23E-8 PF confidence= Certain | Adjusted secup (m) = 53.2532 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 18b | | Adjusted secup (m) = 53.4135 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 18c | | Adjusted secup (m) = 53.4185 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |
| 18d | | Adjusted secup (m) = 53.4886 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A5-15. KLX24A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 19 | Bh-length (m) = 54.1 $T (m^2/s) = 8.36E-9$ PF confidence= Uncertain | Adjusted secup (m) = 54.0337 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |
| 20a | Bh-length (m) = 54.9 $T (m^2/s) = 1.51E-8$ PF confidence= Certain | Adjusted secup (m) = 54.6388 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 Best choice | |
| 20b | | Adjusted secup (m) = 54.9043 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A5-16. KLX24A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 21a | Bh-length (m) = 56.9 T (m ² /s) = 1.04E-8 PF confidence= Uncertain | Adjusted secup (m) = 56.7989 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 21b | | Adjusted secup (m) = 56.9151 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 21c | | Adjusted secup (m) = 57.0694 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |

Table A5-17. KLX24A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|------------|
| 22a | Bh-length (m) = 58.2 T (m ² /s) = 2.18E-8 PF confidence= Certain | Adjusted secup (m) = 58.0884 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 22b | | Adjusted secup (m) = 58.1455 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 22c | | Adjusted secup (m) = 58.1495 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 No strike or dip defined | |

Table A5-18. KLX24A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 23a | Bh-length (m) = 59.6 T (m ² /s) = 1.53E-8 PF confidence= Uncertain | Adjusted secup (m) = 59.5662 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 23b | | Adjusted secup (m) = 59.7145 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 23c | | Adjusted secup (m) = 59.7195 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A5-19. KLX24A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 24a | Bh-length (m) = 60.2 T (m ² /s) = 1.41E-8 PF confidence= Uncertain | Adjusted secup (m) = 60.0100 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 24b | | Adjusted secup (m) = 60.0571 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 24c | | Adjusted secup (m) = 60.1302 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 24d | | Adjusted secup (m) = 60.2054 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 24e | | Adjusted secup (m) = 60.2695 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A5-20. KLX24A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 25a | Bh-length (m) = 61 T (m ² /s) = 1.56E-7 PF confidence= Certain | Adjusted secup (m) = 60.7905 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 25b | | Adjusted secup (m) = 60.9759 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 25c | | Adjusted secup (m) = 61.0570 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 25d | | Adjusted secup (m) = 61.0921 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

Table A5-21. KLX24A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 26a | Bh-length (m) = 62.1 $T (m^2/s) = 2.13E-7$ PF confidence= Certain | Adjusted secup (m) = 62.0689 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 26b | | Adjusted secup (m) = 62.2984 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |

Table A5-22. KLX24A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|------------|
| 27a | Bh-length (m) = 63.2 T (m ² /s) = 2.04E-7 PF confidence= Certain | Adjusted secup (m) = 63.1420 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 27b | | Adjusted secup (m) = 63.2882 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 27c | | Adjusted secup (m) = 63.3424 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 27d | | Adjusted secup (m) = 63.3644 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

Table A5-23. KLX24A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 28a | Bh-length (m) = 65 T (m ² /s) = 1.74E-5 PF confidence= Certain | Adjusted secup (m) = 64.8612 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 No strike or dip defined | |
| 28b | | Adjusted secup (m) = 64.8983 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 No strike or dip defined | |
| 28c | | Adjusted secup (m) = 64.9664 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 28d | | Best choice Adjusted secup (m) = 64.9734 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 28e | | Adjusted secup (m) = 65.0175 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

| | | |
|-----|------------------------------------|---|
| 28f | Bh-length (m) = 65 | Adjusted secup (m) = 64.9203 |
| | T (m ² /s) = 1.74E-5 | Adjusted seclow (m) = 64.9374 |
| | PF confidence= Certain | Fract_interpret / Varcodes= Crush zone |
| | | PFL-anom. confidence= 1 |
| | | Best choice crush |
| 28g | | Adjusted secup (m) = 65.1127 |
| | | Adjusted seclow (m) = 65.2059 |
| | | Fract_interpret / Varcodes= Crush zone |
| | | PFL-anom. confidence= 2 |

Table A5-24. KLX24A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 29a | Bh-length (m) = 66.5 T (m ² /s) = 6.68E-8 PF confidence= Certain | Adjusted secup (m) = 66.3521 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 29b | | Adjusted secup (m) = 66.4863 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 29c | | Adjusted secup (m) = 66.5304 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

Table A5-25. KLX24A. Interpretation of PFL measurements and BOREMAP data

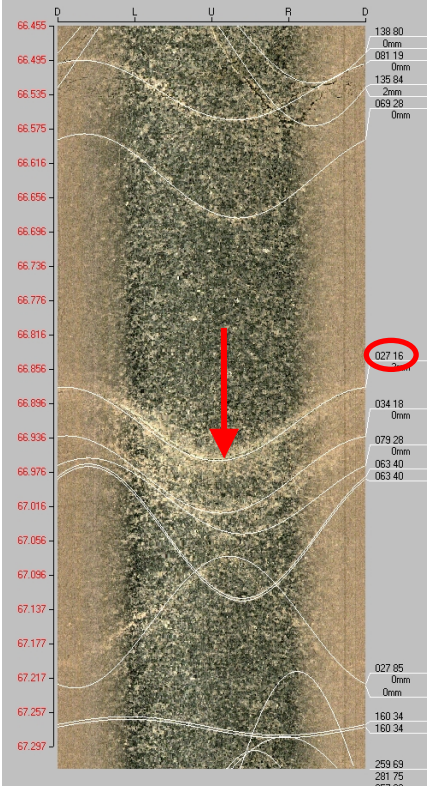
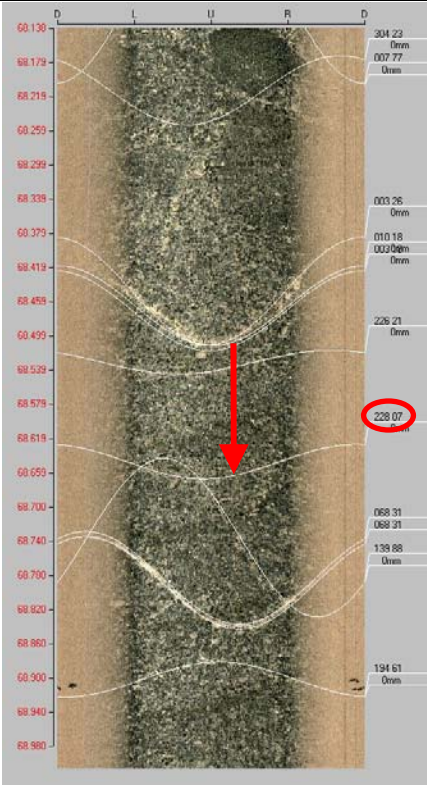
| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|--|
| 30a | Bh-length (m) = 66.9 T (m ² /s) = 2.55E-9 PF confidence= Certain | Adjusted secup (m) = 66.9201 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice |  |
| 30b | | Adjusted secup (m) = 67.1516 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 31a | Bh-length (m) = 68.6 T (m ² /s) = 1.84E-9 PF confidence= Certain | Adjusted secup (m) = 68.5302 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 |  |
| 31b | | Adjusted secup (m) = 68.6464 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |

Table A5-26. KLX24A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|------------|
| 32a | Bh-length (m) = 69.4 T (m ² /s) = 2.01E-9 PF confidence= Certain | Adjusted secup (m) = 69.2015 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 32b | | Adjusted secup (m) = 69.3568 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |

Table A5-27. KLX24A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 33a | Bh-length (m) = 70.9 T (m ² /s) = 1.03E-7 PF confidence= Certain | Adjusted secup (m) = 70.8346 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 33b | | Adjusted secup (m) = 71.0189 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 33c | | Adjusted secup (m) = 71.1071 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |

Table A5-28. KLX24A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 34 | Bh-length (m) = 74.7 T (m ² /s) = 1.30E-8 PF confidence= Certain | Adjusted secup (m) = 74.7100 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 35a | Bh-length (m) = 75.6 T (m ² /s) = 2.67E-8 PF confidence= Certain | Adjusted secup (m) = 75.5586 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 35b | | Adjusted secup (m) = 75.7069 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

Table A5-29. KLX24A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|------------|
| 36a | Bh-length (m) = 76.1 T (m ² /s) = 7.84E-8 PF confidence= Certain | Adjusted secup (m) = 76.0044 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 36b | | Adjusted secup (m) = 76.0264 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |
| 36c | | Adjusted secup (m) = 76.1607 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |

Table A5-30. KLX24A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|------------|
| 37a | Bh-length (m) = 77 T (m ² /s) = 2.66E-7 PF confidence= Certain | Adjusted secup (m) = 76.8580 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 37b | | Adjusted secup (m) = 76.9532 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 37c | | Adjusted secup (m) = 77.0263 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |
| 37d | | Adjusted secup (m) = 77.0764 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

Table A5-31. KLX24A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 38a | Bh-length (m) = 77.9 T (m ² /s) = 2.49E-8 PF confidence= Certain | Adjusted secup (m) = 77.7748 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 38b | | Adjusted secup (m) = 77.7828 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 38c | | Adjusted secup (m) = 77.8850 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |

Table A5-32. KLX24A. Interpretation of PFL measurements and BOREMAP data

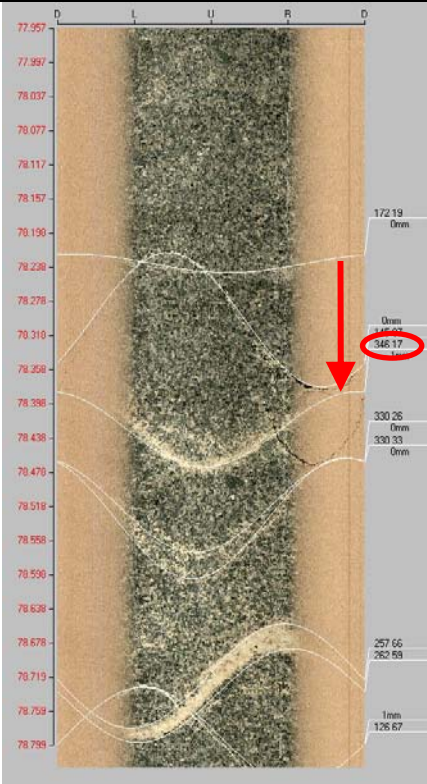
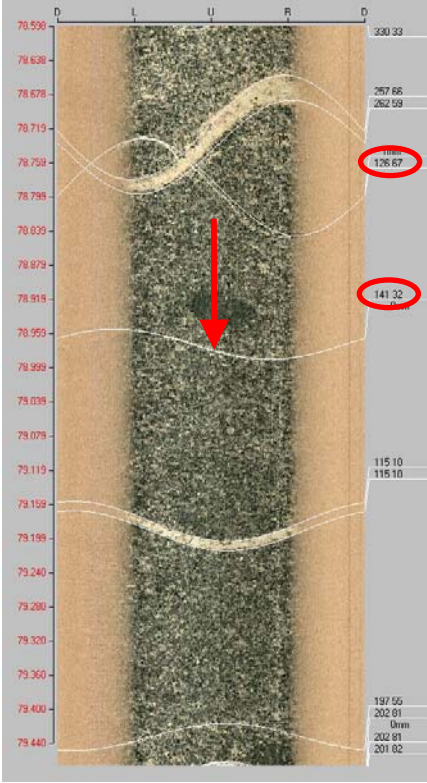
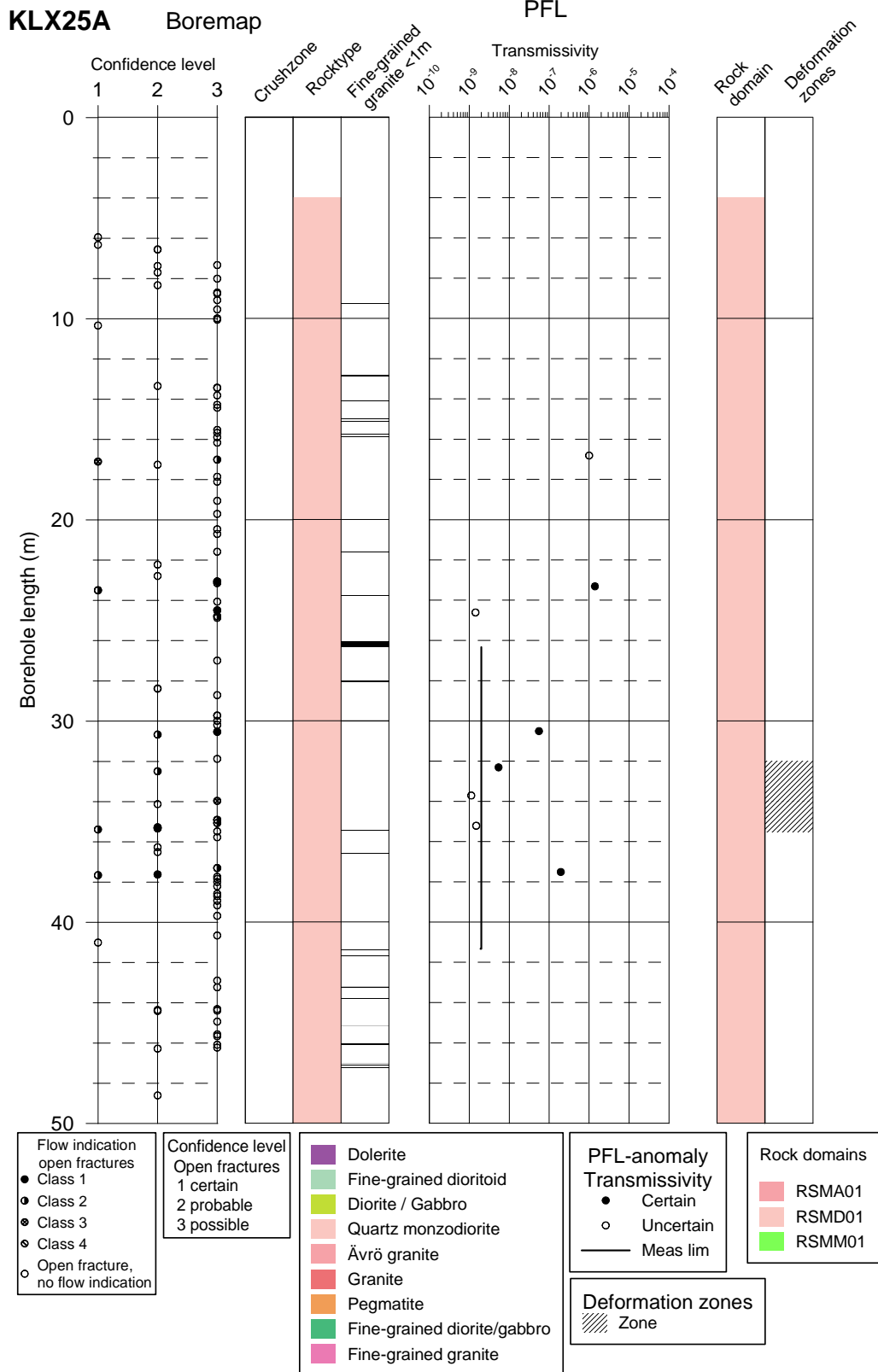
| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|--|
| 39a | Bh-length (m) = 78.4 T (m ² /s) = 2.30E-8 PF confidence= Certain | Adjusted secup (m) = 78.2998 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 |  |
| 39b | | Adjusted secup (m) = 78.4280 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 40a | Bh-length (m) = 79 T (m ² /s) = 9.91E-10 PF confidence= Certain | Adjusted secup (m) = 78.7877 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 |  |
| 40b | | Adjusted secup (m) = 78.9720 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |

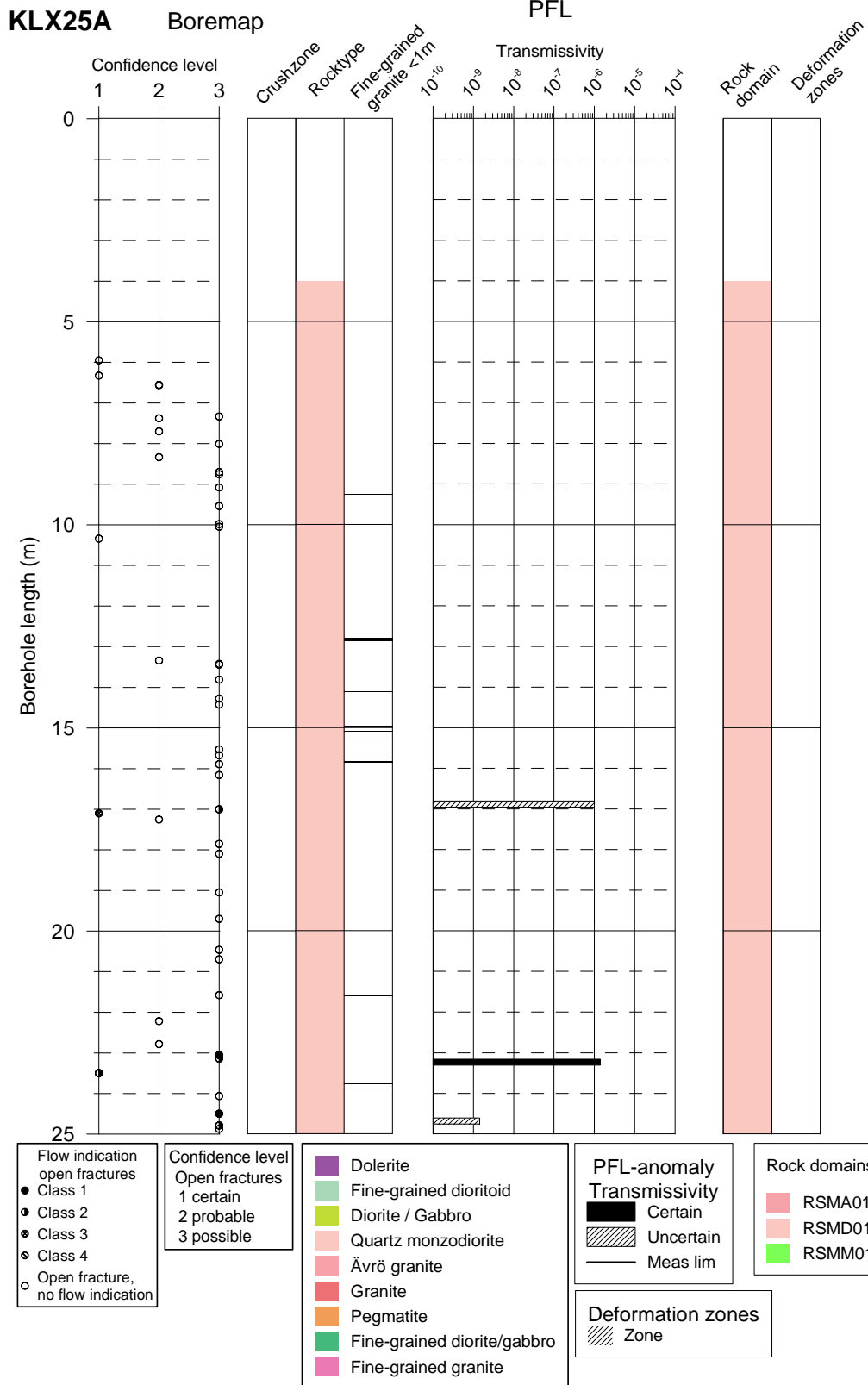
Table A5-33. KLX24A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|------------|
| 41a | Bh-length (m) = 88.1 T (m ² /s) = 3.00E-9 PF confidence= Certain | Adjusted secup (m) = 88.0072 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 41b | | Adjusted secup (m) = 88.1455 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 41c | | Adjusted secup (m) = 88.2767 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Appendix 6 – KLX25A

In this appendix plots showing Flow log anomalies to core mapped features in KLX25A for every 25 meters of the borehole are found. BIPS images of PFL anomalies are also found.





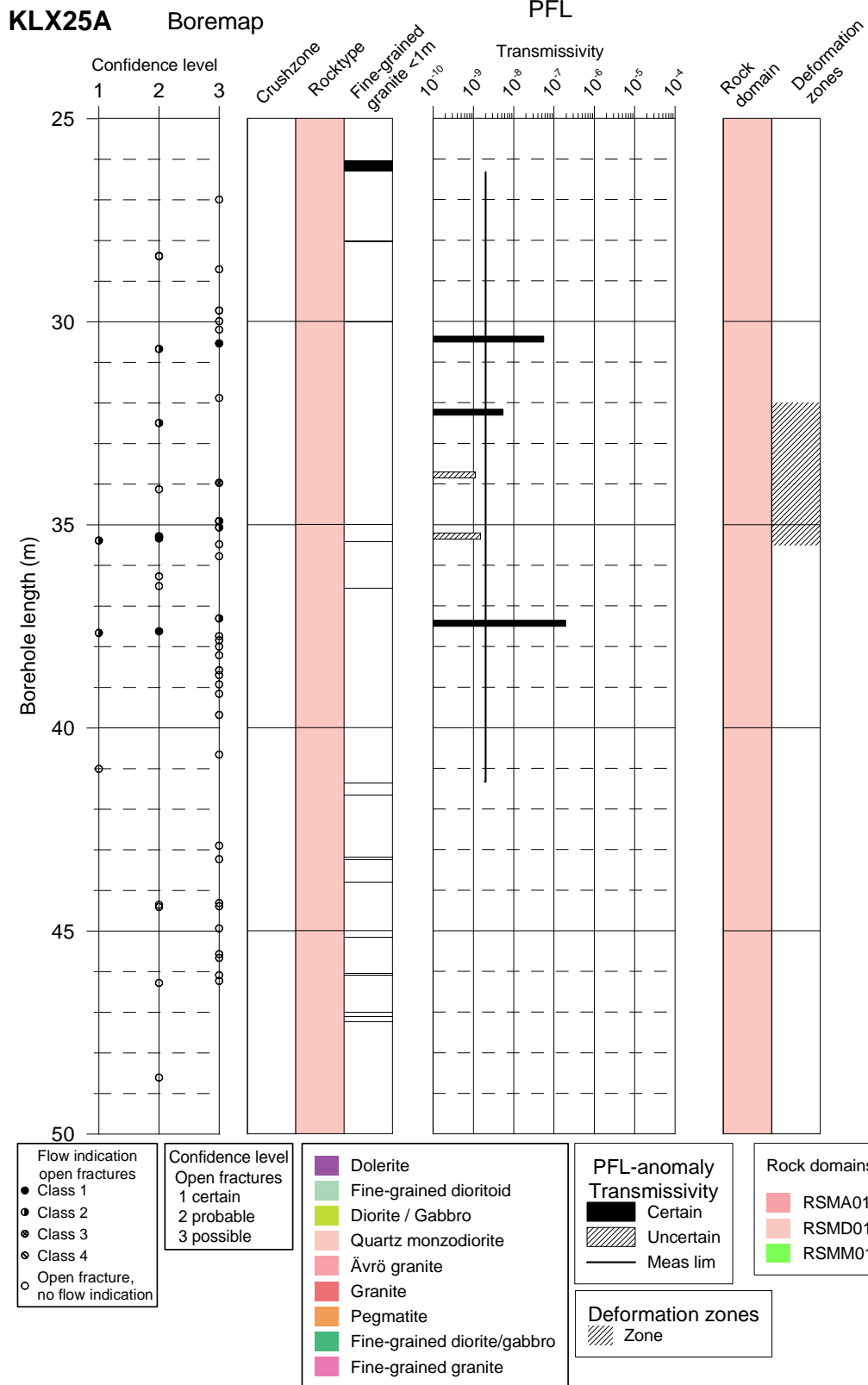


Table A6-1. KLX25A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 1a | Bh-length (m) = 16.8 T (m ² /s) = 1.00E-6 PFL confidence= Uncertain | Adjusted secup (m) = 17.0032 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 1b | | Adjusted secup (m) = 17.1008 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 3 Best choice | |

Table A6-2. KLX25A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 2a | Bh-length (m) = 23.3 T (m ² /s) = 1.40E-6 PFL confidence= Certain | Adjusted secup (m) = 23.0529 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 2b | | Adjusted secup (m) = 23.1384 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 2c | | Adjusted secup (m) = 23.4943 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 2 Best choice | |

Table A6-3. KLX25A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|--|
| 3a | Bh-length (m) = 24.6 T (m ² /s) = 1.43E-9 PFL confidence= Uncertain | Adjusted secup (m) = 24.4957 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | <p>The BIPS image is a vertical cross-section showing geological layers. The vertical axis is labeled with values from 24.193 to 25.034. The horizontal axis is labeled with S, W, N, E, S. A red arrow points to a feature in the middle of the image. A red circle highlights the value 357.88 on the right side of the image.</p> |
| 3b | | Adjusted secup (m) = 24.7863 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |

Table A6-4. KLX25A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 4a | Bh-length (m) = 30.5 T (m ² /s) = 5.55E-8 PFL confidence= Certain | Adjusted secup (m) = 30.5333 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 4b | | Adjusted secup (m) = 30.6691 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |

Table A6-5. KLX25A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 5a | Bh-length (m) = 32.3 $T (m^2/s) = 5.40E-9$ PFL confidence= Certain | Adjusted secup (m) = 32.4919 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |

Table A6-6. KLX25A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 6a | Bh-length (m) = 33.7 T (m ² /s) = 1.12E-9 PFL confidence= Uncertain | Adjusted secup (m) = 33.9659 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 3 Best choice | |

Table A6-7. KLX25A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 7a | Bh-length (m) = 35.2 T (m ² /s) = 1.49E-9 PFL confidence= Uncertain | Adjusted secup (m) = 34.9100 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 7b | | Adjusted secup (m) = 35.0638 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 7c | | Adjusted secup (m) = 35.2800 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 7d | | Adjusted secup (m) = 35.2991 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 No strike or dip defined | |

Table A6-8. KLX25A. Interpretation of PFL measurements and BOREMAP data

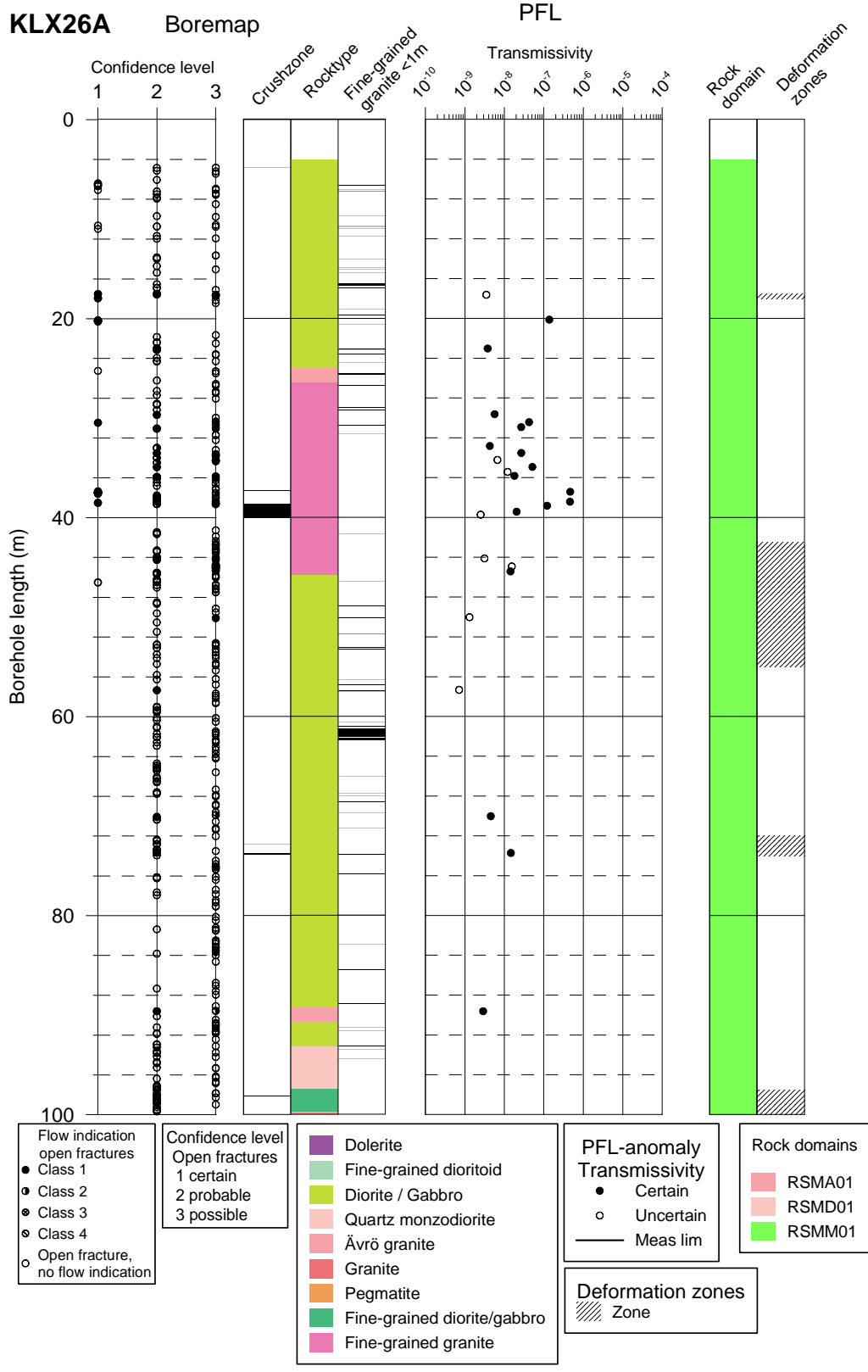
| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 7e | Bh-length (m) = 35.2 T (m ² /s) = 1.49E-9 PFL confidence= Uncertain | Adjusted secup (m) = 35.3343 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 No strike or dip defined | |
| 7f | | Adjusted secup (m) = 35.3855 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 2 Best choice | |

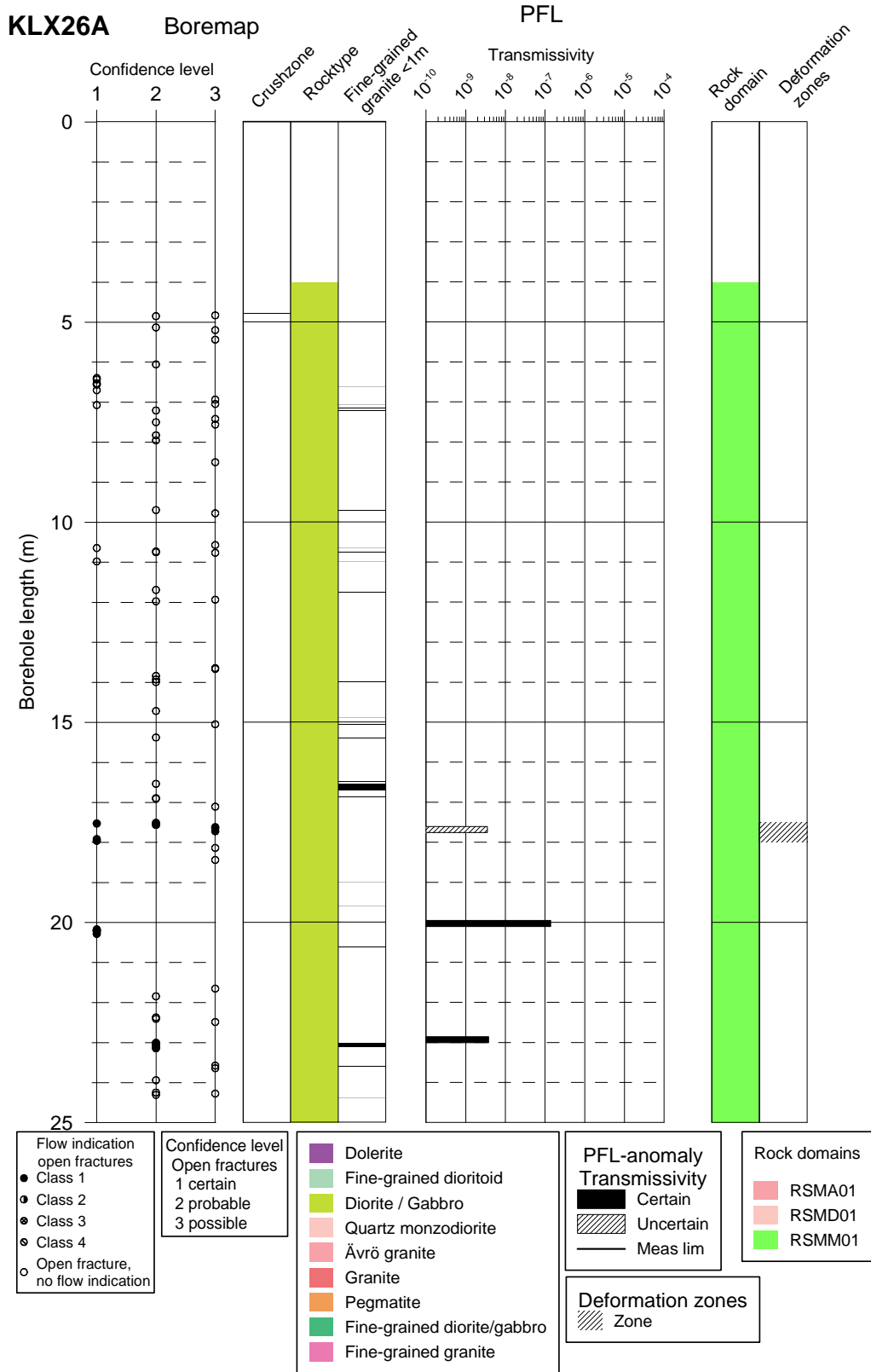
Table A6-9. KLX25A. Interpretation of PFL measurements and BOREMAP data

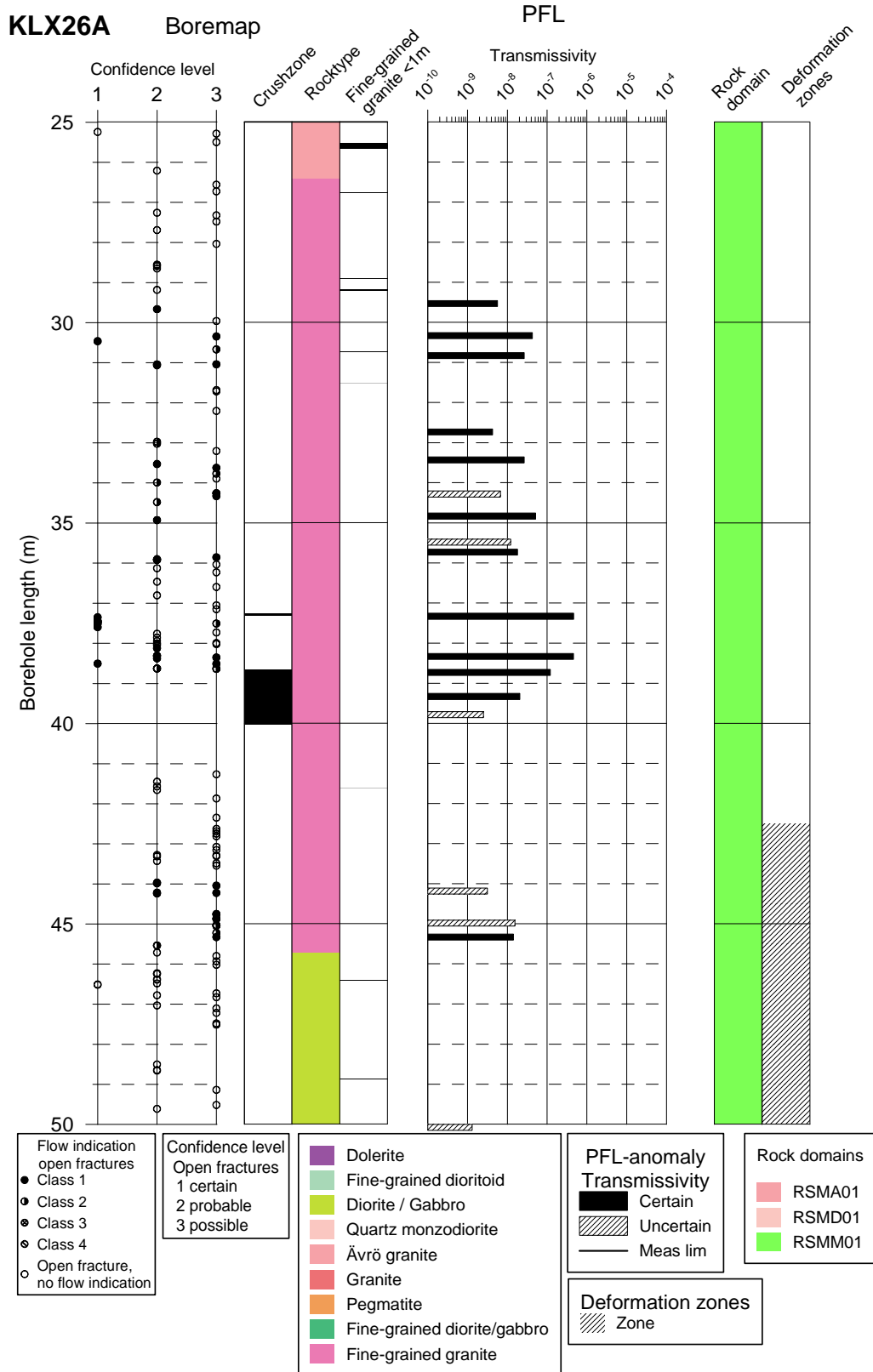
| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 8a | Bh-length (m) = 37.5 T (m ² /s) = 1.95E-7 PFL confidence= Certain | Adjusted secup (m) = 37.3039 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 8b | | Adjusted secup (m) = 37.6206 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 8c | | Adjusted secup (m) = 37.6598 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 2 Best choice | |

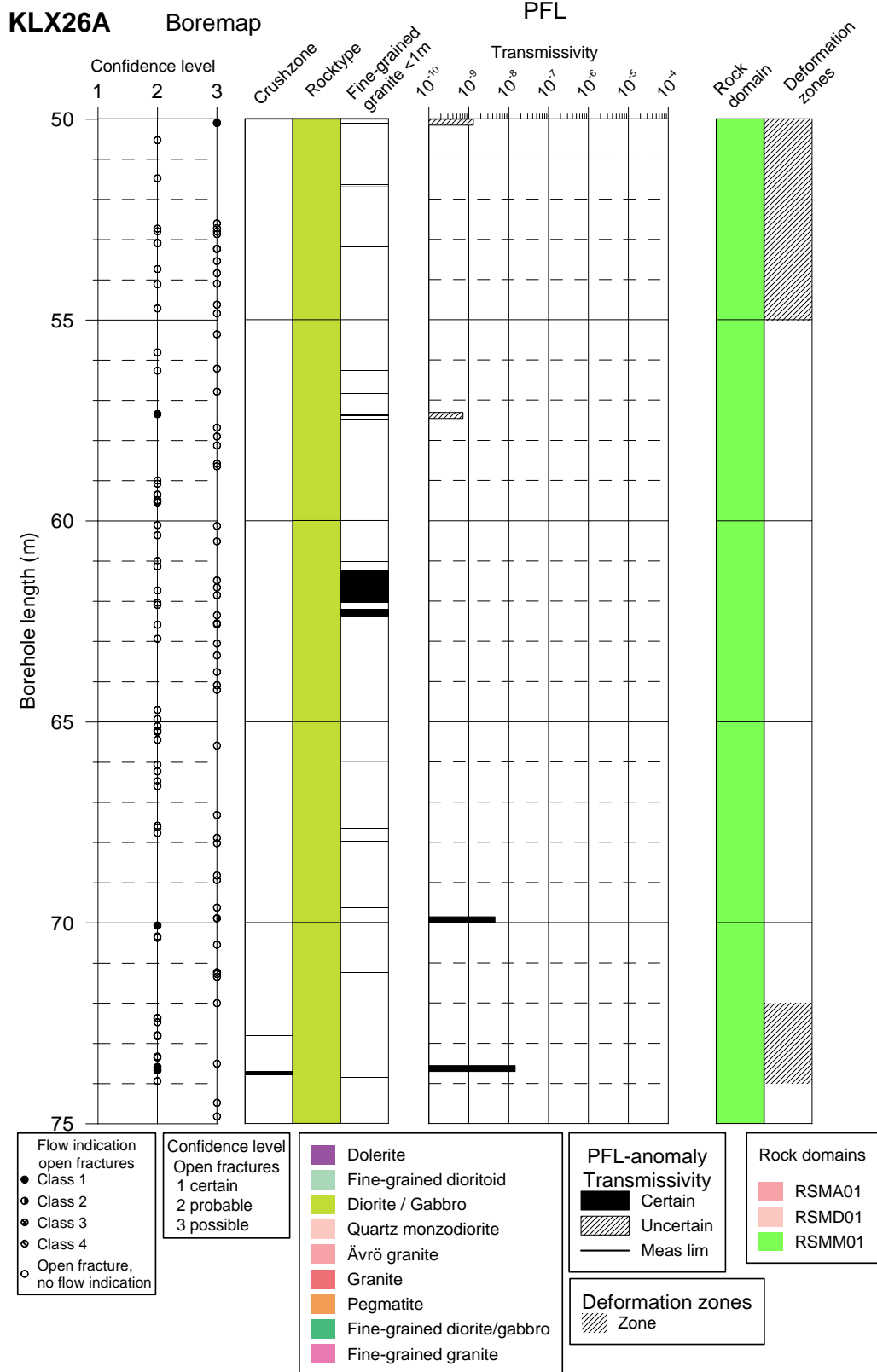
Appendix 7 – KLX26A

In this appendix plots showing Flow log anomalies to core mapped features in KLX26A for every 25 meters of the borehole are found. BIPS images of PFL anomalies are also found.









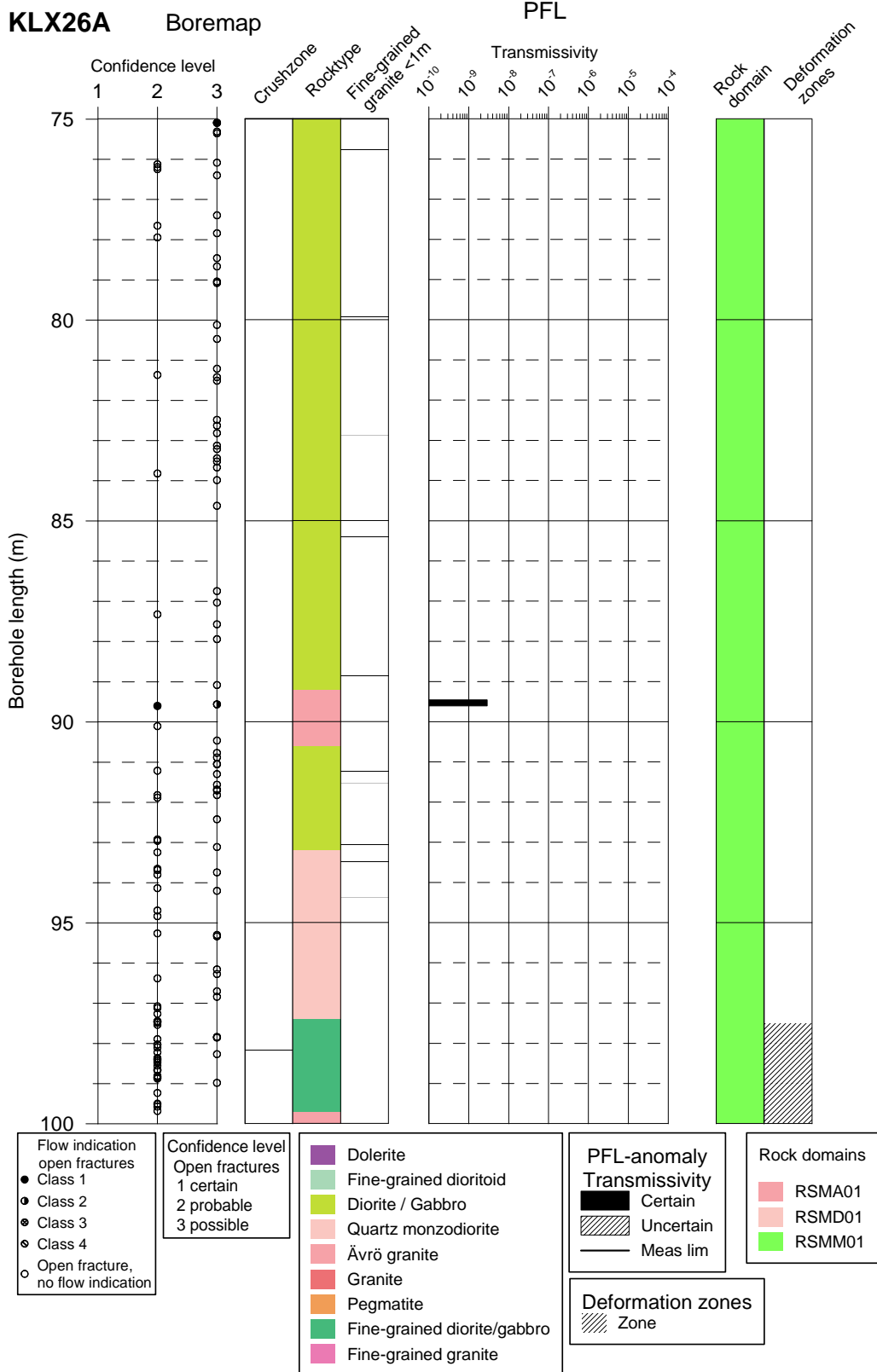


Table A7-1. KLX26A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 1a | Bh-length (m) = 17.6 $T (m^2/s) = 3.51E-9$ PFL confidence= Uncertain | Adjusted secup (m) = 17.5108 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 1b | | Adjusted secup (m) = 17.5258 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 1c | | Adjusted secup (m) = 17.5558 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 1d | | Adjusted secup (m) = 17.5588 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

| | | |
|----|--|--|
| 1e | Bh-length (m) = 17.6 T (m ² /s) = 3.51E-9 PFL confidence= Uncertain | Adjusted secup (m) = 17.6188 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 |
| 1f | | Adjusted secup (m) = 17.6389 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 |
| 1g | | Adjusted secup (m) = 17.7189 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 |
| 1h | | Adjusted secup (m) = 17.9569 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 |

Table A7-2. KLX26A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 2a | Bh-length (m) = 20.1 T (m ² /s) = 1.38E-7 PFL confidence= Certain | Adjusted secup (m) = 20.1726 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |
| 2b | | Adjusted secup (m) = 20.2006 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 2c | | Adjusted secup (m) = 20.2176 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |
| 2d | | Adjusted secup (m) = 20.2826 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |

Table A7-3. KLX26A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 3a | Bh-length (m) = 23 T (m ² /s) = 3.78E-9 PFL confidence= Certain | Adjusted secup (m) = 23.0094 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 3b | | Adjusted secup (m) = 23.0104 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 3c | | Adjusted secup (m) = 23.0434 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 3d | | Adjusted secup (m) = 23.0474 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

| | | |
|----|------------------------------------|--|
| 3e | Bh-length (m) = 23 | Adjusted secup (m) = 23.1184 |
| | T (m ² /s) = 3.78E-9 | Fract_interpret / Varcod= |
| | PFL confidence= Certain | open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 |
| 3f | | Adjusted secup (m) = 23.1414 |
| | | Fract_interpret / Varcod= |
| | | open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 |

Table A7-4. KLX26A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|--|
| 4 | Bh-length (m) = 29.6 T (m ² /s) = 5.66E-9 PFL confidence= Certain | Adjusted secup (m) = 29.6633 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | <p>The BIPS image is a vertical cross-section of a geological formation. The vertical axis on the left is labeled with elevation values from 29,167 to 30,007. The horizontal axis at the top is labeled with 'D', 'L', 'U', 'R', 'D'. On the right side, there are numerical labels for different geological units: 132.35, 134.35, 100.50, 089.60, 231.76, 233.75, 238.74, 217.85, 194.67, 194.68, 224.76, 230.73, and 066.12. A red arrow points to a specific feature in the lower-middle part of the image, which is circled in red and labeled '166.04'. The image shows various sedimentary layers and structures, including what appears to be a fault or fracture zone.</p> |

Table A7-5. KLX26A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 5a | Bh-length (m) = 30.4 T (m ² /s) = 4.24E-8 PFL confidence= Certain | Adjusted secup (m) = 30.3444 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 5b | | Adjusted secup (m) = 30.4635 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 5c | | Adjusted secup (m) = 30.6665 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |

Table A7-6. KLX26A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 6a | Bh-length (m) = 30.9 $T (m^2/s) = 2.67E-8$ PFL confidence= Certain | Adjusted secup (m) = 31.0386 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 6b | | Adjusted secup (m) = 31.0396 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 6c | | Adjusted secup (m) = 31.0606 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

Table A7-7. KLX26A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 7a | Bh-length (m) = 32.8 T (m ² /s) = 4.29E-9 PFL confidence= Certain | Adjusted secup (m) = 32.9712 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |
| 7b | | Adjusted secup (m) = 33.0202 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |

Table A7-8. KLX26A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 8a | Bh-length (m) = 33.5 $T (m^2/s) = 2.68E-8$ PFL confidence= Certain | Adjusted secup (m) = 33.5273 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 8b | | Adjusted secup (m) = 33.6224 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 8c | | Adjusted secup (m) = 33.7664 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |

Table A7-9. KLX26A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 9a | Bh-length (m) = 34.2 T (m ² /s) = 6.68E-9 PFL confidence= Uncertain | Adjusted secup (m) = 33.9875 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |
| 9b | | Adjusted secup (m) = 34.2576 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 9c | | Adjusted secup (m) = 34.2585 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 9d | | Adjusted secup (m) = 34.3266 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

| | | |
|----|------------------------------------|---------------------------------------|
| 9e | Bh-length (m) = 34.2 | Adjusted secup (m) = 34.4766 |
| | T (m ² /s) = 6.68E-9 | Fract_interpret / Varcod= open fr. |
| | PFL confidence= Uncertain | Frac.interp. confidence= Probable |
| | | PFL-anom. confidence= 2 |

Table A7-10. KLX26A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 10 | Bh-length (m) = 34.9 T (m ² /s) = 5.13E-8 PFL confidence= Certain | Adjusted secup (m) = 34.9247 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 11 | Bh-length (m) = 35.4 T (m ² /s) = 1.21E-8 PFL confidence= Uncertain | Adjusted secup (m) = 35.9160 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |

Table A7-11. KLX26A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 12a | Bh-length (m) = 35.8 T (m ² /s) = 1.80E-8 PFL confidence= Certain | Adjusted secup (m) = 35.8540 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 12b | | Adjusted secup (m) = 35.9010 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 12c | | Adjusted secup (m) = 35.9160 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

Table A7-12. KLX26A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 13a | Bh-length (m) = 37.4 T (m ² /s) = 4.66E-7 PFL confidence= Certain | Adjusted secup (m) = 37.3494 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |
| 13b | | Adjusted secup (m) = 37.4415 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |
| 13c | | Adjusted secup (m) = 37.4485 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |
| 13d | | Adjusted secup (m) = 37.4715 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |

| | | |
|-----|--|--|
| 13e | Bh-length (m) = 37.4 T (m ² /s) = 4.66E-7 PFL confidence= Certain | Adjusted secup (m) = 37.4735 Fract_interpret / Varcodes= partly open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 |
| 13f | | Adjusted secup (m) = 37.5055 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 |
| 13g | | Adjusted secup (m) = 37.5155 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 |
| 13h | | Adjusted secup (m) = 37.5955 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 |
| 13i | | Adjusted secup (m) = 37.2674 Adjusted seclow (m) = 37.3144 Fract_interpret / Varcodes= crush zone PFL-anom. confidence= 1 Best choice crush |

Table A7-13. KLX26A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 14a | Bh-length (m) = 38.4 T (m ² /s) = 4.60E-7 PFL confidence= Certain | Adjusted secup (m) = 38.1226 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 14b | | Adjusted secup (m) = 38.3067 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 14c | | Adjusted secup (m) = 38.3147 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 14d | | Adjusted secup (m) = 38.3537 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

| | | |
|-----|--|---|
| 14e | Bh-length (m) = 38.4 T (m ² /s) = 4.60E-7 PFL confidence= Certain | Adjusted secup (m) = 38.3757 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 |
| 14f | | Adjusted secup (m) = 38.5057 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice |
| 14g | | Adjusted secup (m) = 38.5108 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 |
| 14h | | Adjusted secup (m) = 38.6268 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 |
| 14i | | Adjusted secup (m) = 38.6348 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 |

Table A7-14. KLX26A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 15a | Bh-length (m) = 38.8 $T (m^2/s) = 1.21E-7$ PFL confidence= Certain | Adjusted secup (m) = 38.6268 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |
| 15b | | Adjusted secup (m) = 38.6348 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 15c | | Adjusted secup (m) = 38.6518 Adjusted seclow (m) = 40.0312 Fract_interpret / Varcodes= crush zone PFL-anom. confidence= 1 Best choice crush | |

Table A7-15. KLX26A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 16 | Bh-length (m) = 39.4 T (m ² /s) = 2.04E-8 PFL confidence= Certain | Adjusted secup (m) = 38.6518 Adjusted seclow (m) = 40.0312 Fract_interpret / Varcodes= crush zone PFL-anom. confidence= 1 Best choice crush | |
| 17 | Bh-length (m) = 39.7 T (m ² /s) = 2.52E-9 PF confidence= Uncertain | Adjusted secup (m) = 38.6518 Adjusted seclow (m) = 40.0312 Fract_interpret / Varcodes= crush zone PFL-anom. confidence= 1 Best choice crush | |

Table A7-16. KLX26A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 18a | Bh-length (m) = 44.1 T (m ² /s) = 3.13E-9 PF confidence= Uncertain | Adjusted secup (m) = 43.9693 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 18b | | Adjusted secup (m) = 43.9843 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 18c | | Adjusted secup (m) = 44.0453 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 18d | | Adjusted secup (m) = 44.2184 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

| | | |
|-----|------------------------------------|--------------------------------------|
| 18e | Bh-length (m) = 44.1 | Adjusted secup (m) = 44.2244 |
| | T (m ² /s) = 3.13E-9 | Fract_interpret / Varcod= open fr. |
| | PF confidence= Uncertain | Frac.interp. confidence= Possible |
| | | PFL-anom. confidence= 1 |
| 18f | | Adjusted secup (m) = 44.2394 |
| | | Fract_interpret / Varcod= open fr. |
| | | Frac.interp. confidence= Probable |
| | | PFL-anom. confidence= 1 |

Table A7-17. KLX26A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 19a | Bh-length (m) = 44.9 T (m ² /s) = 1.54E-8 PF confidence= Uncertain | Adjusted secup (m) = 44.7505 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 19b | | Adjusted secup (m) = 44.7665 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 19c | | Adjusted secup (m) = 44.8685 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |
| 19d | | Adjusted secup (m) = 44.8775 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

| | | |
|-----|------------------------------------|---|
| 19e | Bh-length (m) = 44.9 | Adjusted secup (m) = 45.0296 |
| | T (m ² /s) = 1.54E-8 | Fract_interpret / Varcodes= open fr. |
| | PF confidence= Uncertain | Frac.interp. confidence= Possible |
| | | PFL-anom. confidence= 2 |
| 19f | | Adjusted secup (m) = 45.0386 |
| | | Fract_interpret / Varcodes= open fr. |
| | | Frac.interp. confidence= Possible |
| | | PFL-anom. confidence= 2 |
| 19g | | Adjusted secup (m) = 45.0496 |
| | | Fract_interpret / Varcodes= open fr. |
| | | Frac.interp. confidence= Possible |
| | | PFL-anom. confidence= 2 |

Table A7-18. KLX26A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 20a | Bh-length (m) = 45.4 T (m ² /s) = 1.43E-8 PF confidence= Certain | Adjusted secup (m) = 45.2227 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 20b | | Adjusted secup (m) = 45.3277 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 20c | | Adjusted secup (m) = 45.5347 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |
| 20d | | Adjusted secup (m) = 45.5377 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |

Table A7-19. KLX26A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 21 | <p>Bh-length (m) = 50</p> <p>$T (m^2/s) = 1.31E-9$</p> <p>PF confidence= Uncertain</p> | <p>Adjusted secup (m) = 50.0965</p> <p>Fract_interpret / Varcodes= open fr.</p> <p>Frac.interp. confidence= Possible</p> <p>PFL-anom. confidence= 1</p> <p>Best choice</p> | |
| 22 | <p>Bh-length (m) = 57.3</p> <p>$T (m^2/s) = 7.14E-10$</p> <p>PF confidence= Uncertain</p> | <p>Adjusted secup (m) = 57.3412</p> <p>Fract_interpret / Varcodes= open fr.</p> <p>Frac.interp. confidence= Probable</p> <p>PFL-anom. confidence= 1</p> <p>Best choice</p> | |

Table A7-20. KLX26A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 23a | Bh-length (m) = 70 T (m ² /s) = 4.55E-9 PF confidence= Certain | Adjusted secup (m) = 69.8861 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 23b | | Adjusted secup (m) = 70.0670 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |

Table A7-21. KLX26A. Interpretation of PFL measurements and BOREMAP data

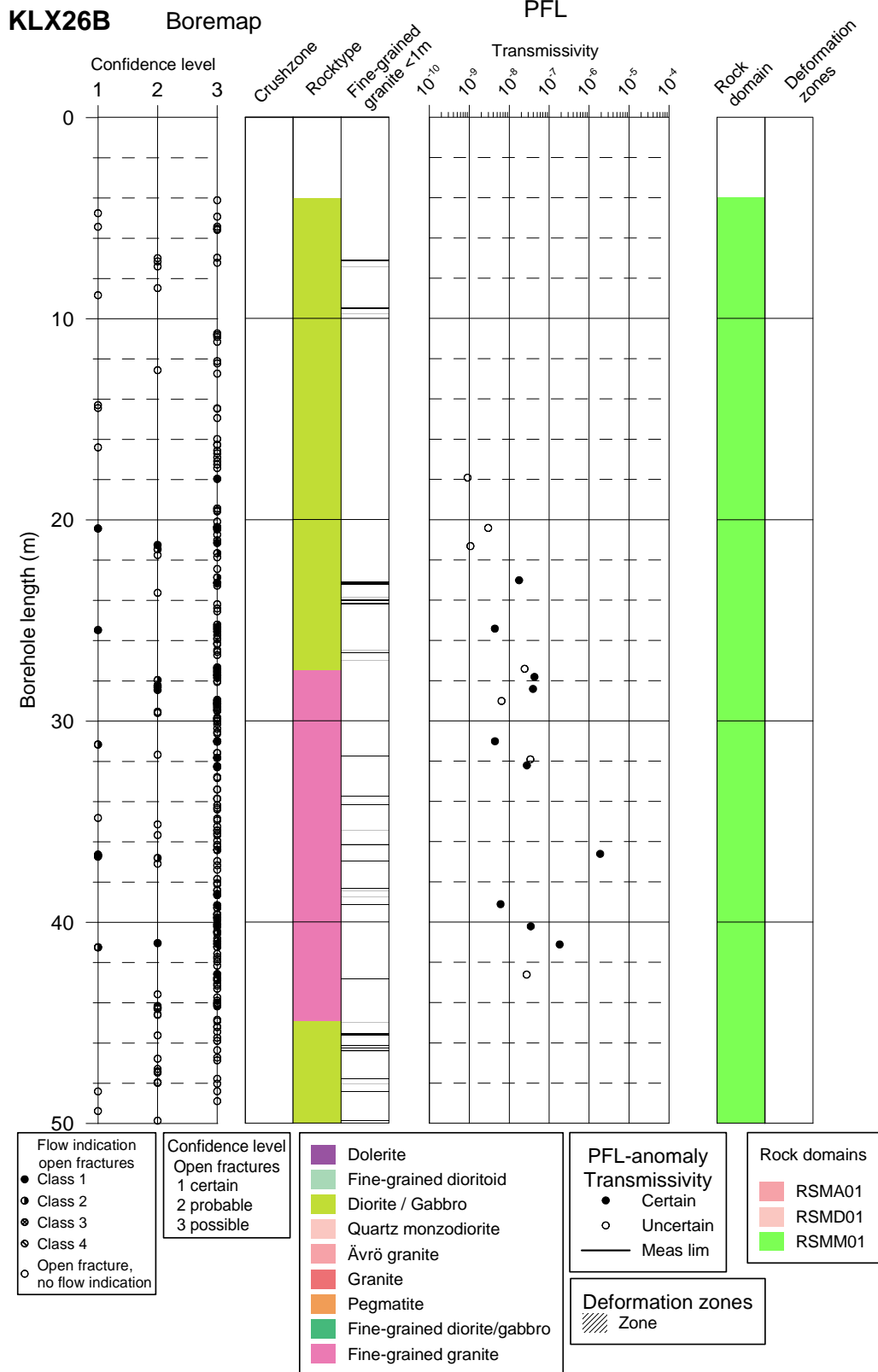
| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|------------|
| 24a | Bh-length (m) = 73.7 T (m ² /s) = 1.46E-8 PF confidence= Certain | Adjusted secup (m) = 73.5874 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 24b | | Adjusted secup (m) = 73.6688 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 24c | | Adjusted secup (m) = 75.0928 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 24d | | Adjusted secup (m) = 73.6929 Adjusted seclow (m) = 73.7944 Fract_interpret / Varcode= crush zone PFL-anom. confidence= 1 Best choice crush | |

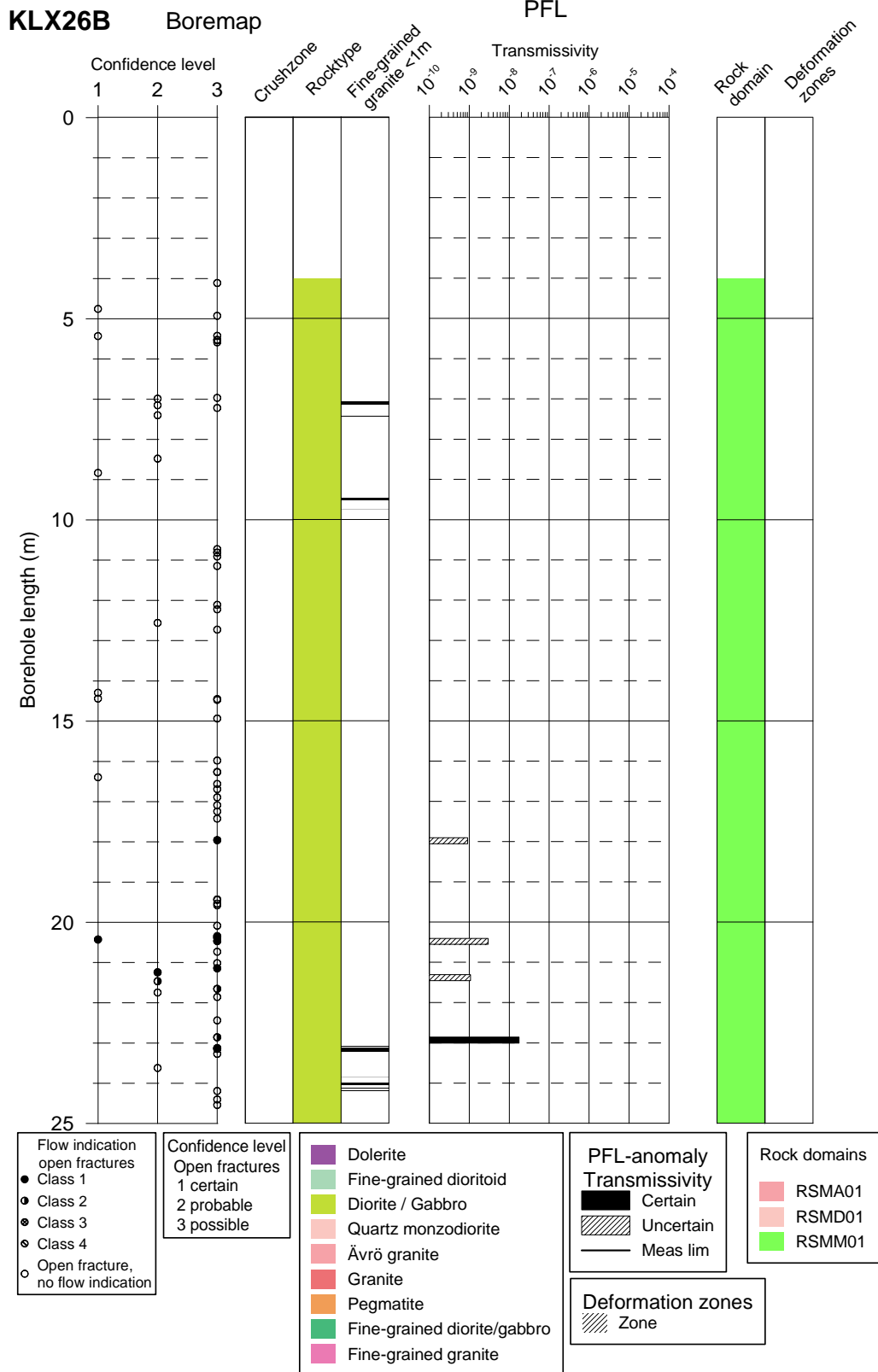
Table A7-22. KLX26A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|------------|
| 25a | Bh-length (m) = 89.6 T (m ² /s) = 2.90E-9 PF confidence= Certain | Adjusted secup (m) = 89.5622 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 25b | | Adjusted secup (m) = 89.6014 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |

Appendix 8 – KLX26B

In this appendix plots showing Flow log anomalies to core mapped features in KLX26B for every 25 meters of the borehole are found. BIPS images of PFL anomalies are also found.





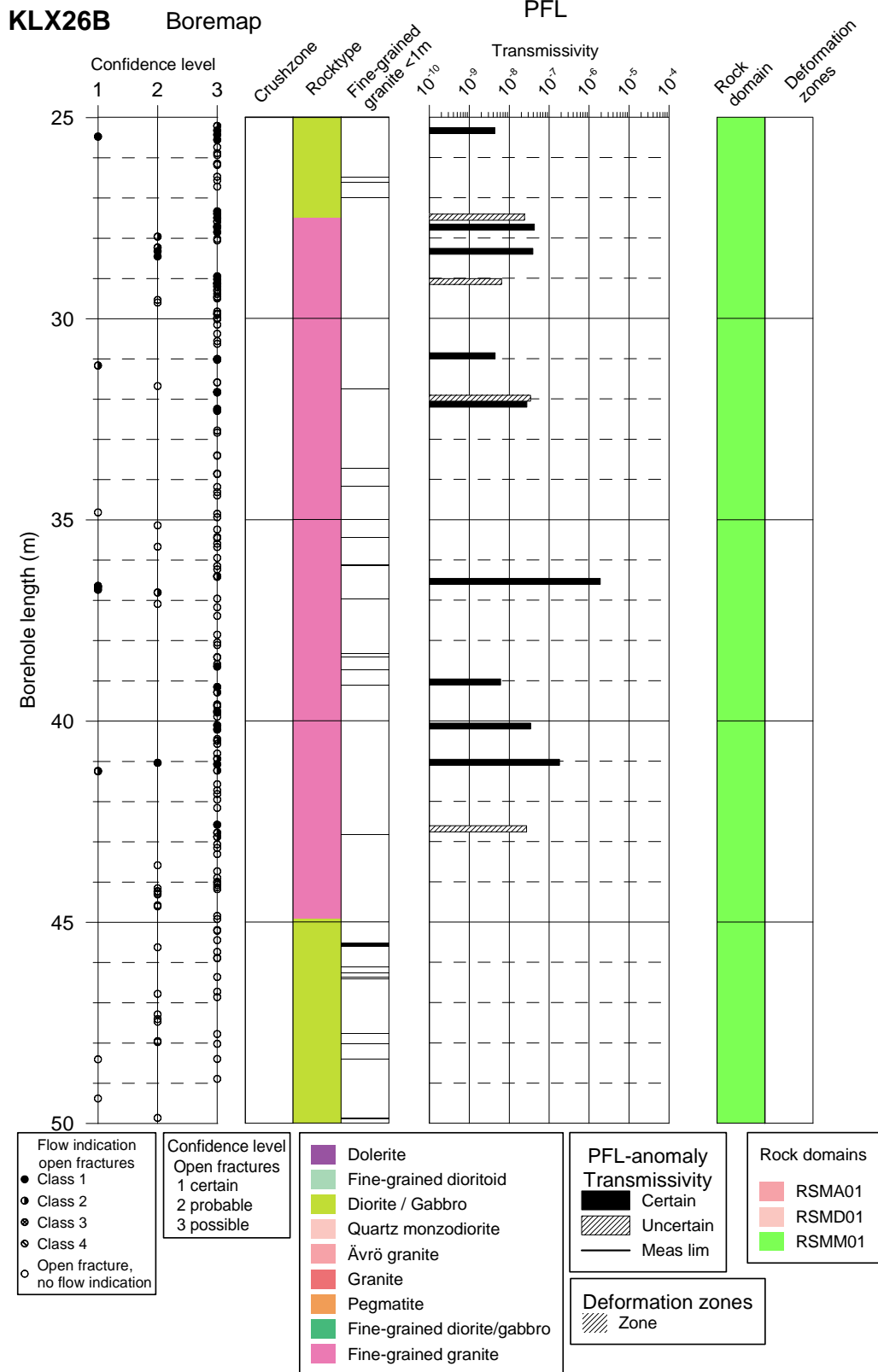


Table A8-1. KLX26B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|--|
| 1 | Bh-length (m) = 17.9 T (m ² /s) = 9.03E-10 PFL confidence= Uncertain | Adjusted secup (m) = 17.9584 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | <p>The BIPS image displays a vertical borehole profile. The left side features depth markers in meters, ranging from 17.473 at the top to 19.317 at the bottom. The right side shows additional depth markers and values: 166.86, 320.95 (0min), 008.11 (0min), 351.71, and 082.62. A red arrow points to a depth of approximately 17.9584 m. A red circle highlights the value '273.14' on the right side of the image.</p> |

Table A8-2. KLX26B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 2a | Bh-length (m) = 20.4 T (m ² /s) = 2.97E-9 PFL confidence= Uncertain | Adjusted secup (m) = 20.3463 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 2b | | Adjusted secup (m) = 20.3875 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 2c | | Adjusted secup (m) = 20.4257 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 2d | | Adjusted secup (m) = 20.4689 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A8-3. KLX26B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 3a | Bh-length (m) = 21.3 T (m ² /s) = 1.07E-9 PFL confidence= Uncertain | Adjusted secup (m) = 21.1436 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 3b | | Adjusted secup (m) = 21.2431 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 3c | | Adjusted secup (m) = 21.4643 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 3d | | Adjusted secup (m) = 21.6543 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |

Table A8-4. KLX26B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 4a | Bh-length (m) = 23 T (m ² /s) = 1.76E-8 PFL confidence= Certain | Adjusted secup (m) = 22.8588 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 4b | | Adjusted secup (m) = 23.1253 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |
| 4c | | Adjusted secup (m) = 23.1484 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A8-5. KLX26B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 5a | Bh-length (m) = 25.4 T (m ² /s) = 4.37E-9 PFL confidence= Certain | Adjusted secup (m) = 25.2065 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 5b | | Adjusted secup (m) = 25.3231 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 5c | | Adjusted secup (m) = 25.4287 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 5d | | Adjusted secup (m) = 25.4730 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 5e | | Adjusted secup (m) = 25.5544 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A8-6. KLX26B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 6a | Bh-length (m) = 27.4 $T (m^2/s) = 2.42E-8$ PFL confidence= Uncertain | Adjusted secup (m) = 27.3310 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 6b | | Adjusted secup (m) = 27.3953 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |
| 6c | | Adjusted secup (m) = 27.4949 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 6d | | Adjusted secup (m) = 27.5854 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |

Table A8-7. KLX26B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 7a | Bh-length (m) = 27.8 T (m ² /s) = 4.27E-8 PFL confidence= Certain | Adjusted secup (m) = 27.7040 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 7b | | Adjusted secup (m) = 27.7301 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 7c | | Adjusted secup (m) = 27.8498 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 7c | | Adjusted secup (m) = 27.9594 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |

Table A8-8. KLX26B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 8a | Bh-length (m) = 28.4 T (m ² /s) = 3.93E-8 PFL confidence= Certain | Adjusted secup (m) = 28.2298 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 8b | | Adjusted secup (m) = 28.3213 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 8c | | Adjusted secup (m) = 28.4500 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

Table A8-9. KLX26B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 9a | Bh-length (m) = 29 T (m ² /s) = 6.41E-9 PFL confidence= Uncertain | Adjusted secup (m) = 28.9467 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |
| 9b | | Adjusted secup (m) = 29.0211 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 9c | | Adjusted secup (m) = 29.1176 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 9d | | Adjusted secup (m) = 29.1337 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 9e | | Adjusted secup (m) = 29.2001 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |

Table A8-10. KLX26B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 10a | Bh-length (m) = 31 T (m ² /s) = 4.39E-9 PFL confidence= Certain | Adjusted secup (m) = 30.9988 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 10b | | Adjusted secup (m) = 31.0099 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 10c | | Adjusted secup (m) = 31.0209 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 10d | | Adjusted secup (m) = 31.1627 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 2 Best choice | |

Table A8-11. KLX26B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 11a | Bh-length (m) = 31.9 $T (m^2/s) = 3.38E-8$ PFL confidence= Uncertain | Adjusted secup (m) = 31.8202 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |
| 11b | | Adjusted secup (m) = 31.8313 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A8-12. KLX26B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 12a | Bh-length (m) = 32.2 T (m ² /s) = 2.76E-8 PFL confidence= Certain | Adjusted secup (m) = 32.2415 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |
| 12b | | Adjusted secup (m) = 32.2898 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A8-13. KLX26B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 13a | Bh-length (m) = 36.6 T (m ² /s) = 1.89E-6 PFL confidence= Certain | Adjusted secup (m) = 36.3969 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 13b | | Adjusted secup (m) = 36.4120 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 13c | | Adjusted secup (m) = 36.6393 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |
| 13d | | Adjusted secup (m) = 36.6714 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |

Table A8-14. KLX26B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 13e | Bh-length (m) = 36.6 T (m ² /s) = 1.89E-6 PFL confidence= Certain | Adjusted secup (m) = 36.7338 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 13f | | Adjusted secup (m) = 36.8041 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |

Table A8-15. KLX26B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 14a | Bh-length (m) = 39.1 T (m ² /s) = 6.07E-9 PFL confidence= Certain | Adjusted secup (m) = 38.6441 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |
| 14b | | Adjusted secup (m) = 39.1528 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 14c | | Adjusted secup (m) = 39.2856 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |

Table A8-16. KLX26B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 15a | Bh-length (m) = 40.2 $T (m^2/s) = 3.45E-8$ PFL confidence= Certain | Adjusted secup (m) = 39.7591 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |
| 15b | | Adjusted secup (m) = 40.1030 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 15c | | Adjusted secup (m) = 40.2105 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 15d | | Adjusted secup (m) = 40.4880 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |

Table A8-17. KLX26B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 16a | Bh-length (m) = 41.1 T (m ² /s) = 1.83E-7 PFL confidence= Certain | Adjusted secup (m) = 40.9375 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 16b | | Adjusted secup (m) = 41.0360 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 16c | | Adjusted secup (m) = 41.0722 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 16d | | Adjusted secup (m) = 41.2280 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |

Table A8-18. KLX26B. Interpretation of PFL measurements and BOREMAP data

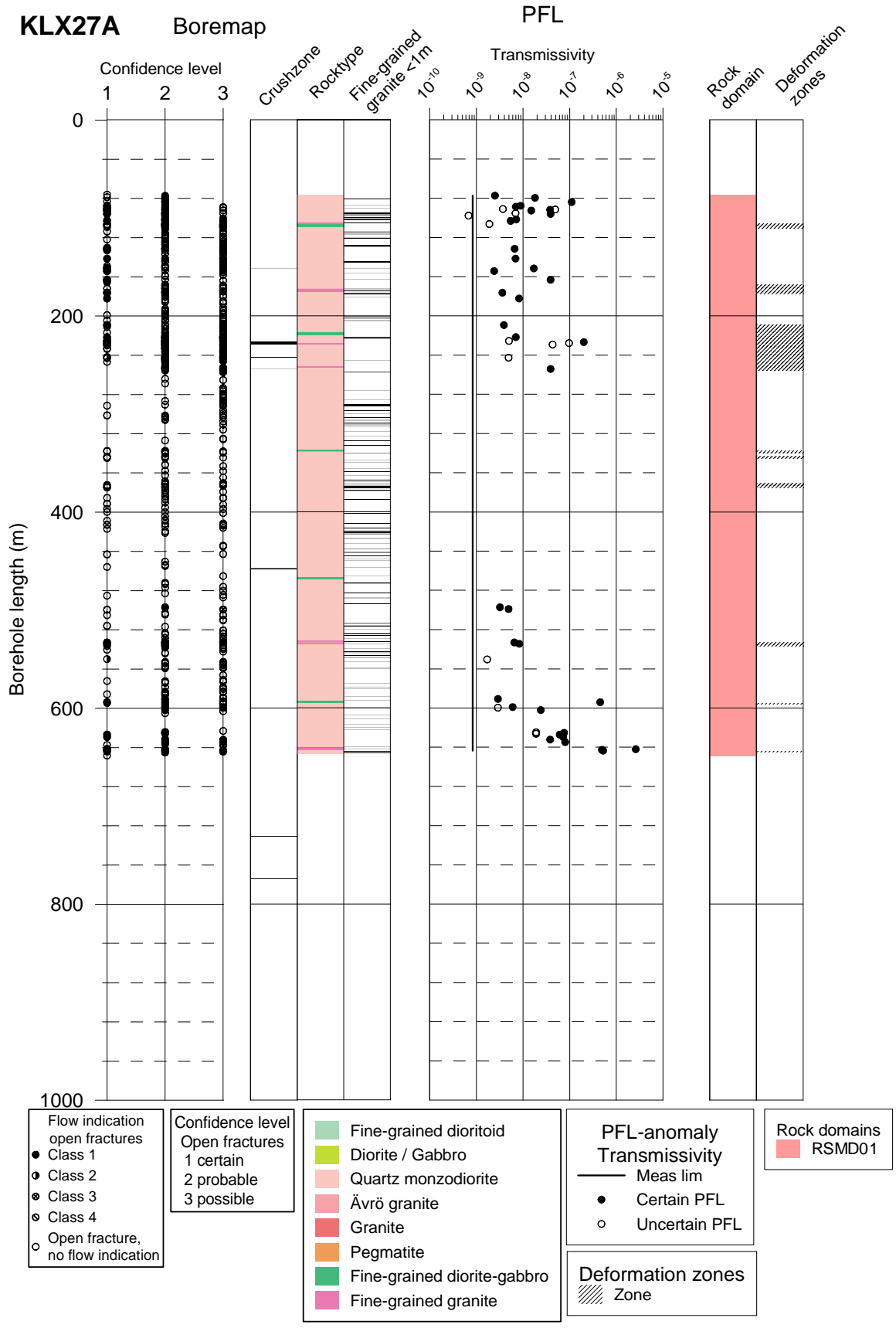
| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 16e | Bh-length (m) = 41.1 T (m ² /s) = 1.83E-7 PFL confidence= Certain | Adjusted secup (m) = 41.2391 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 2 | |
| 16f | | Adjusted secup (m) = 41.2482 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 2 Best choice | |

Table A8-19. KLX26B. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|------------|
| 17a | Bh-length (m) = 42.6 T (m ² /s) = 2.73E-8 PF confidence= Uncertain | Adjusted secup (m) = 42.5743 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |
| 17b | | Adjusted secup (m) = 42.7754 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 17c | | Adjusted secup (m) = 42.8790 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |

Appendix 9 – KLX27A

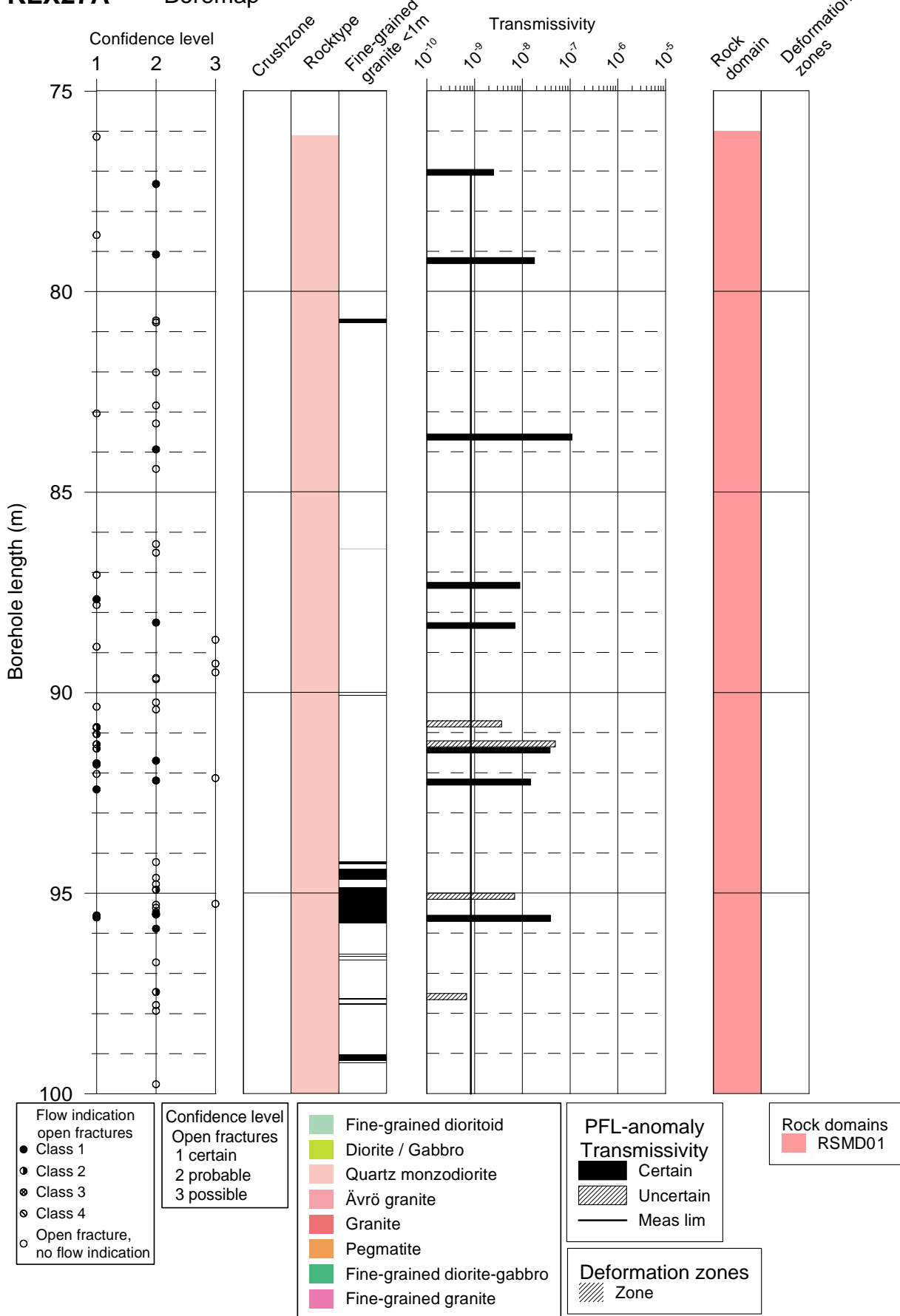
In this appendix plots showing Flow log anomalies to core mapped features in KLX27A for every 25 meters of the borehole are found. BIPS images of PFL anomalies are also found.

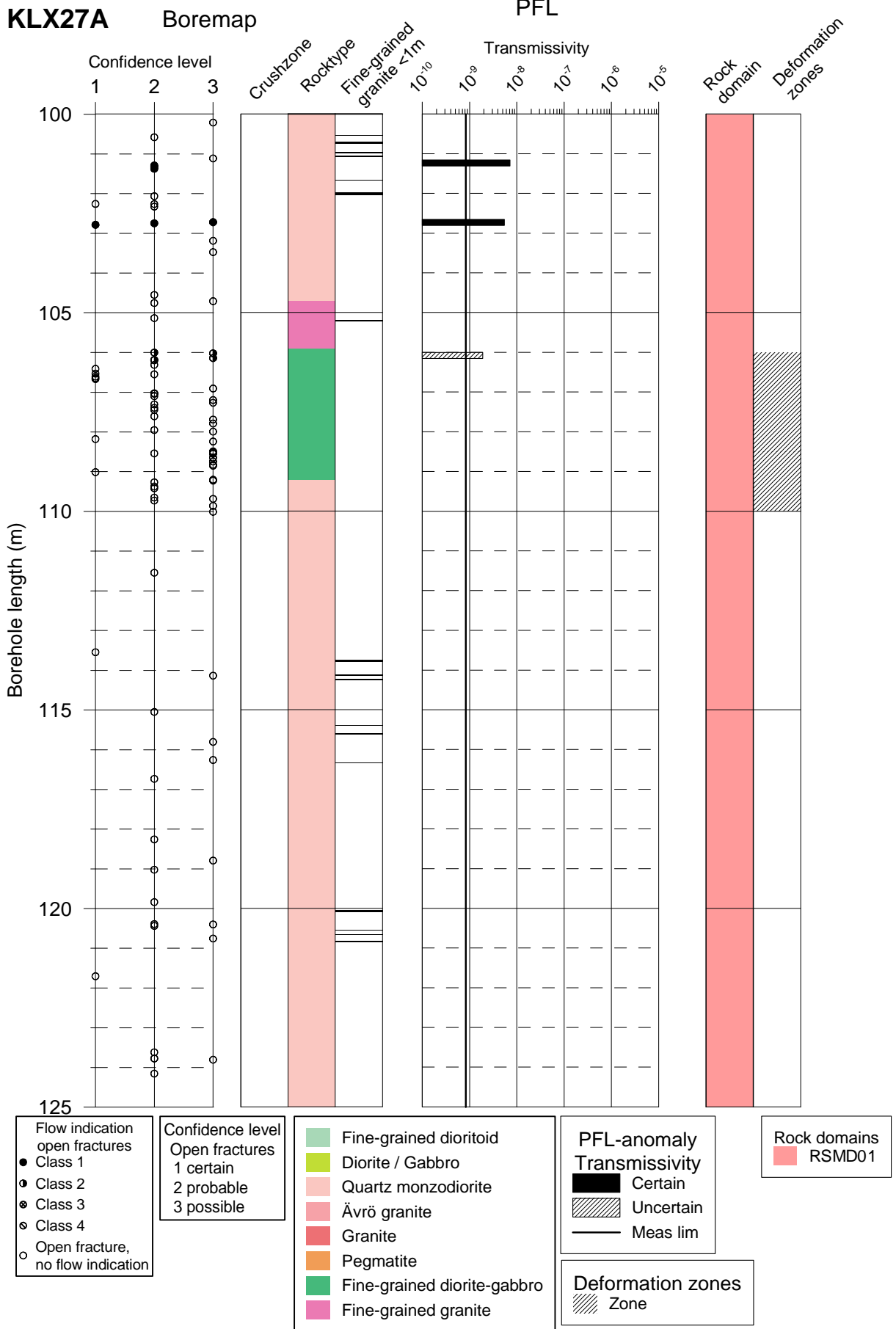


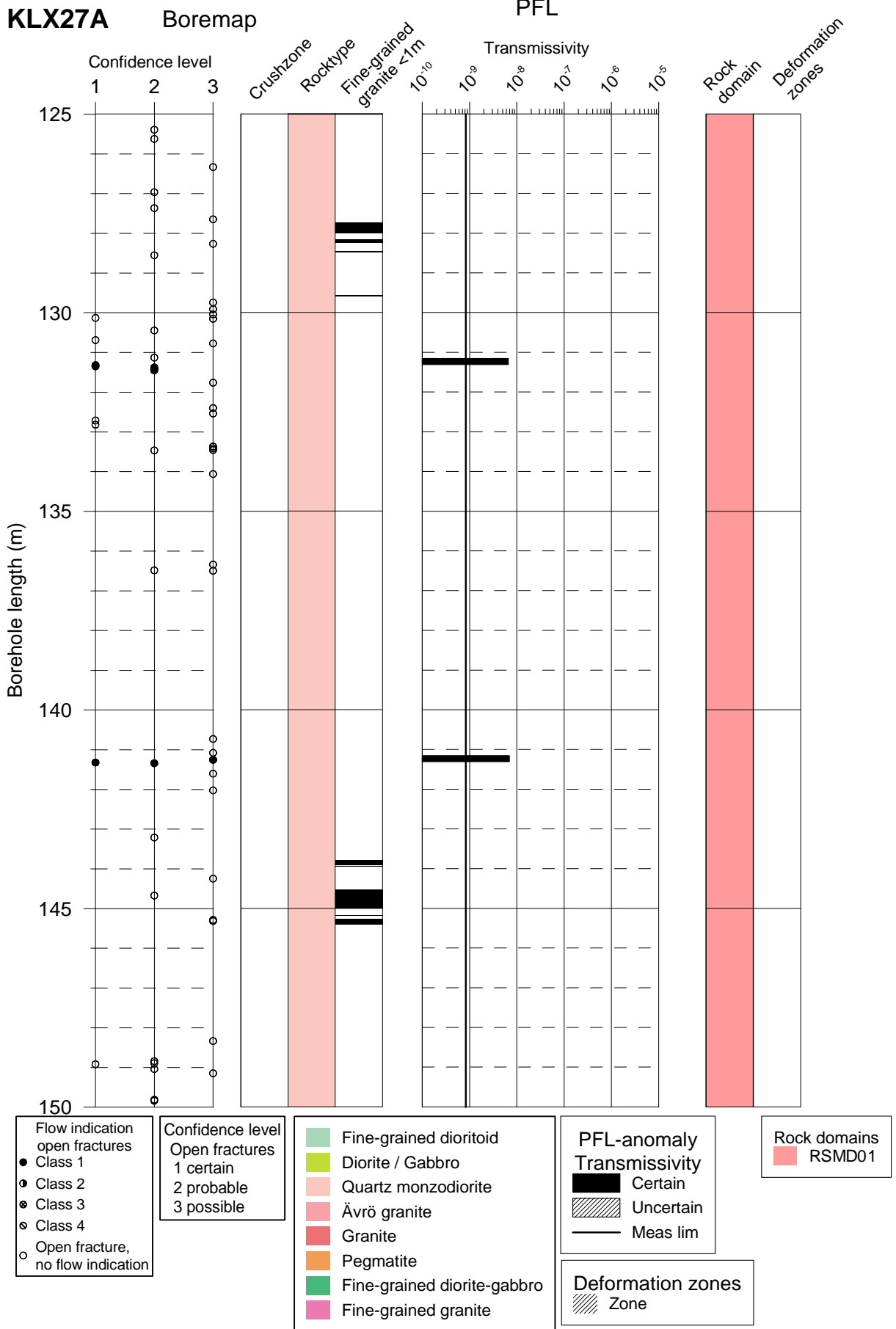
KLX27A

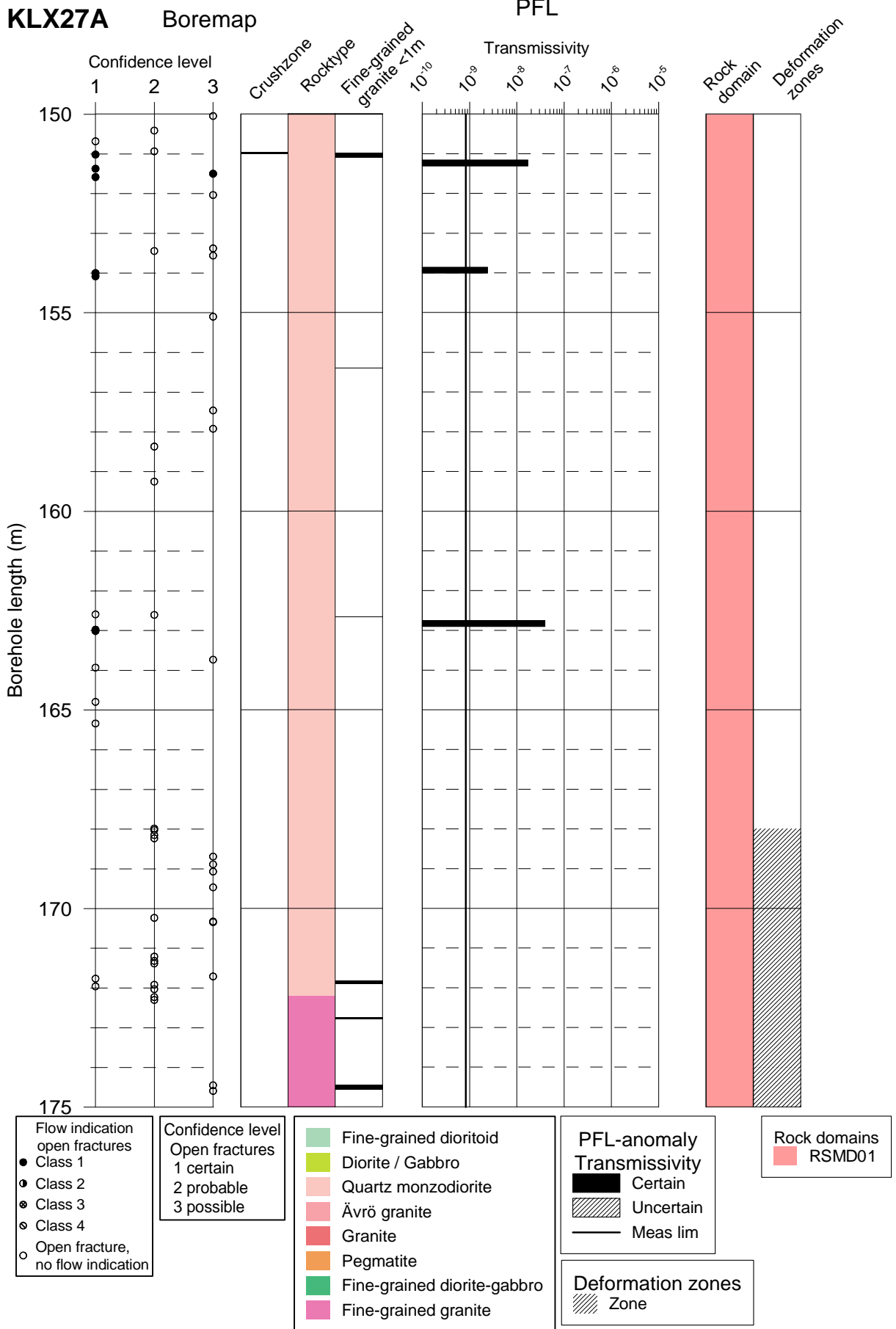
Boremap

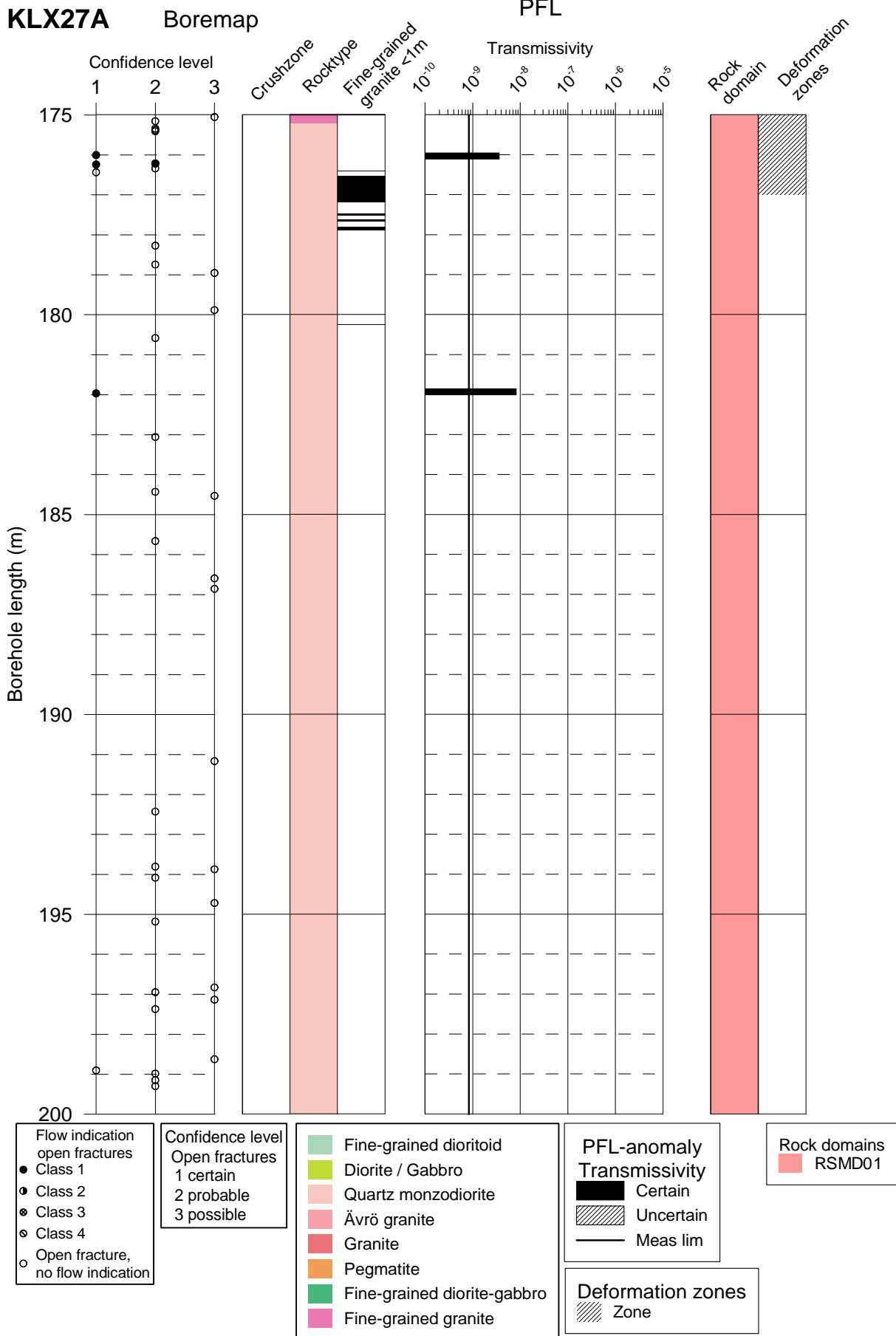
PFL

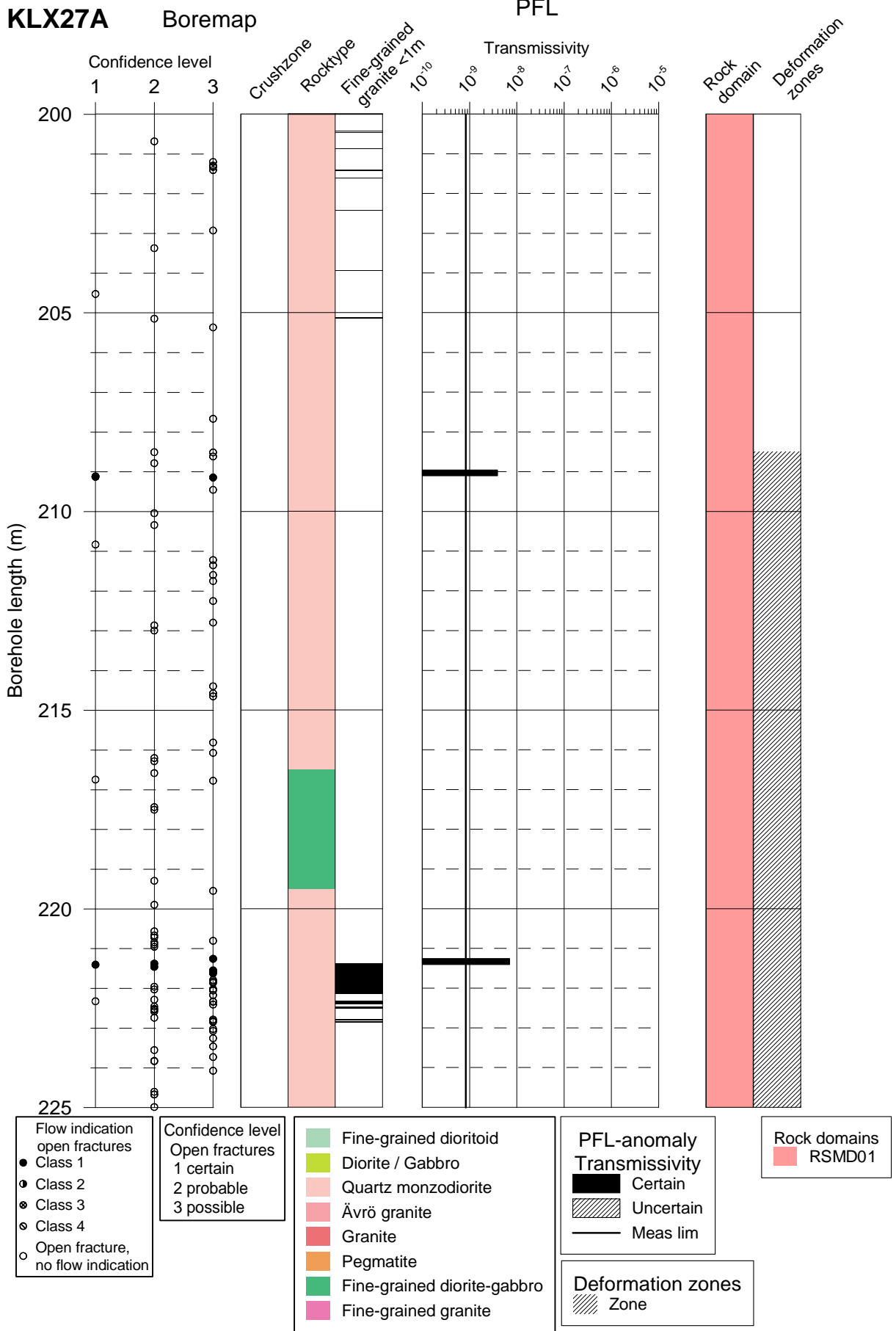


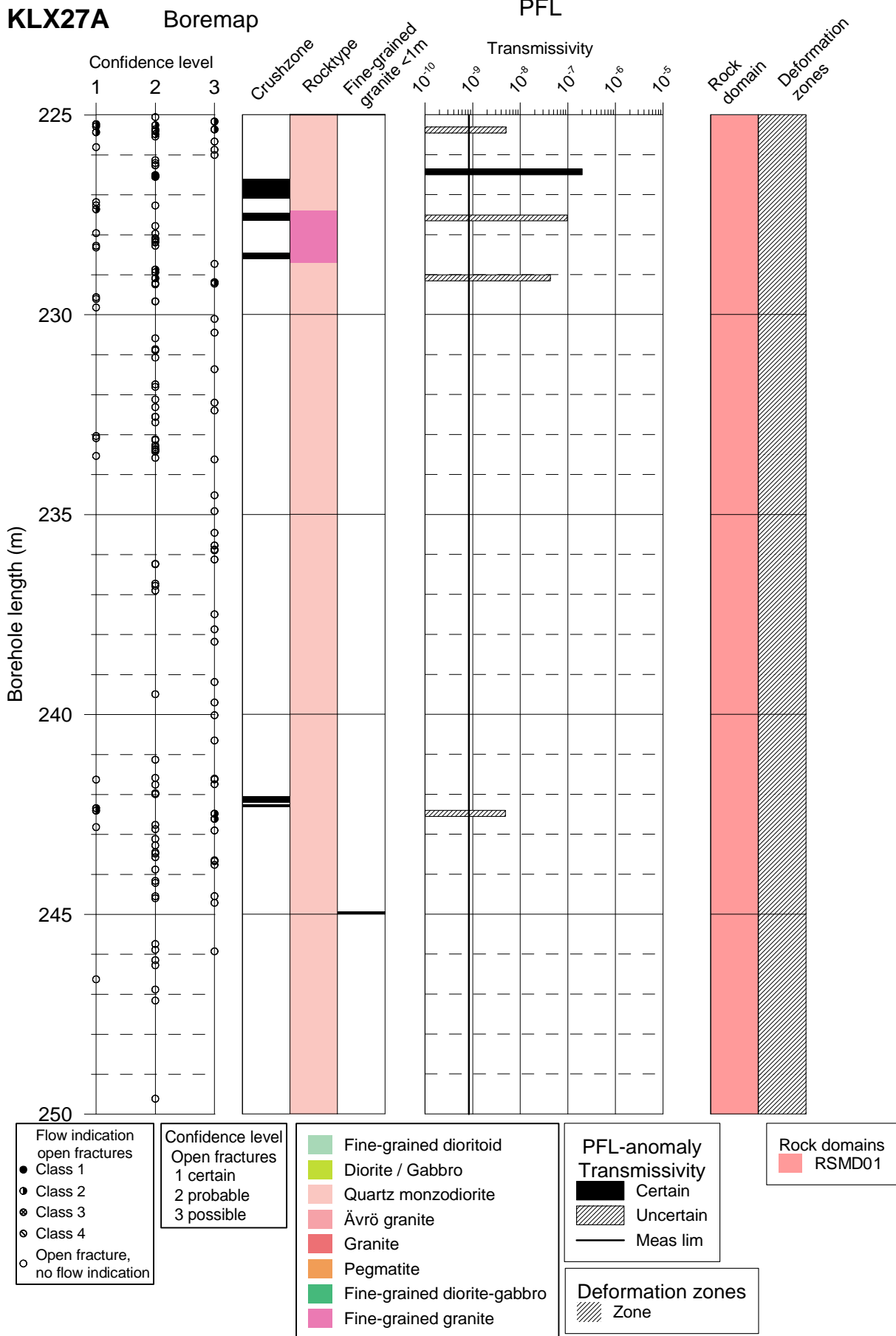


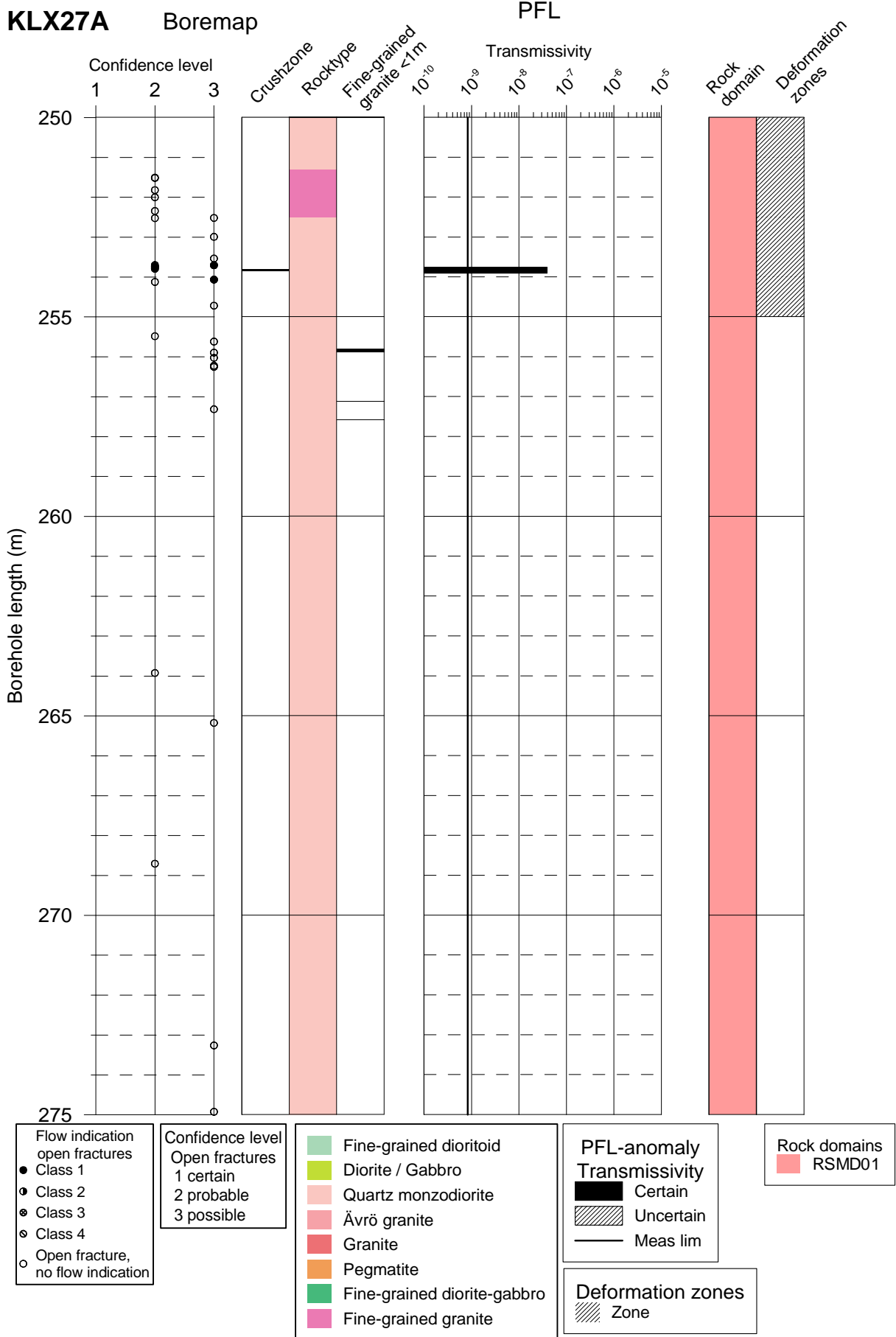


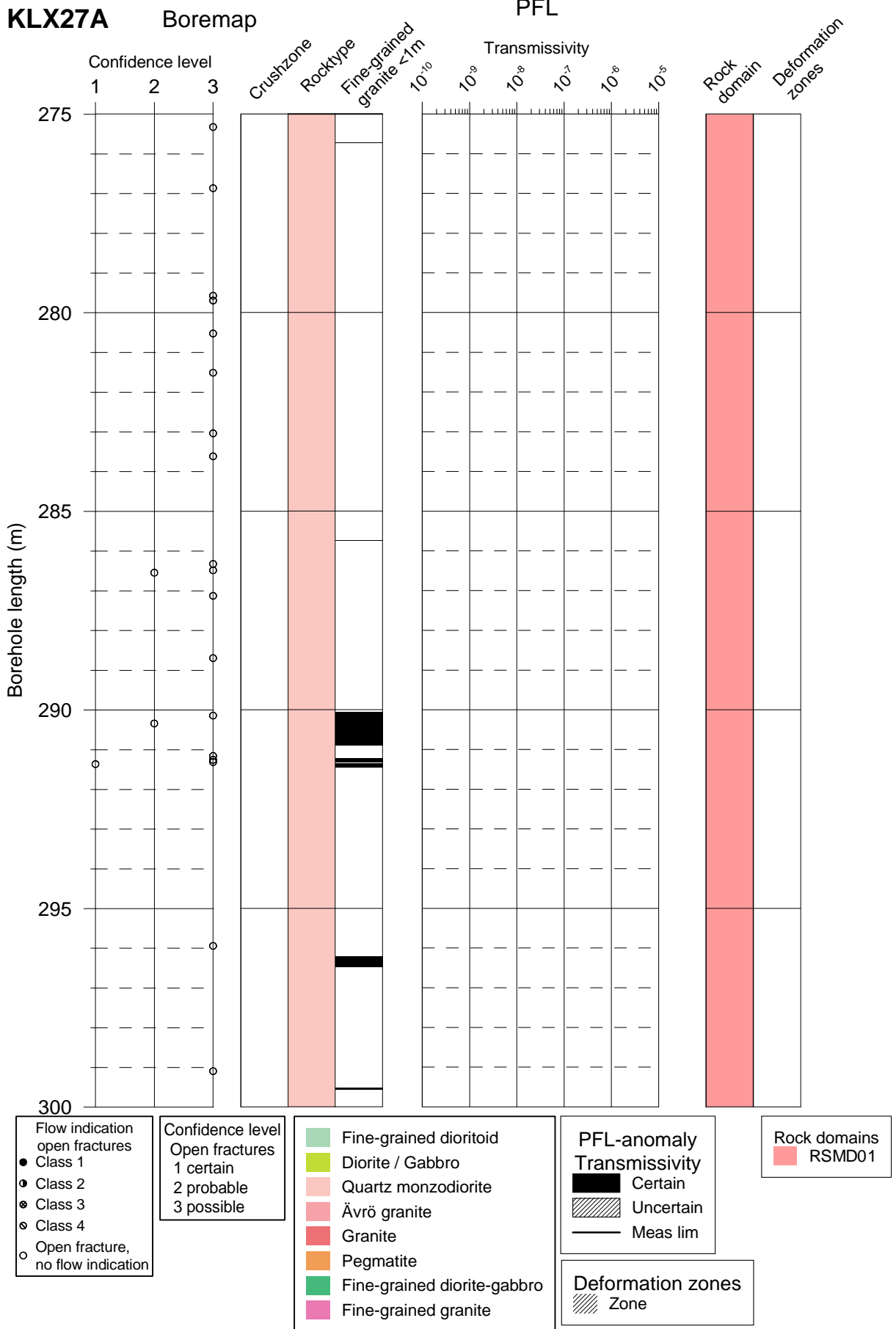


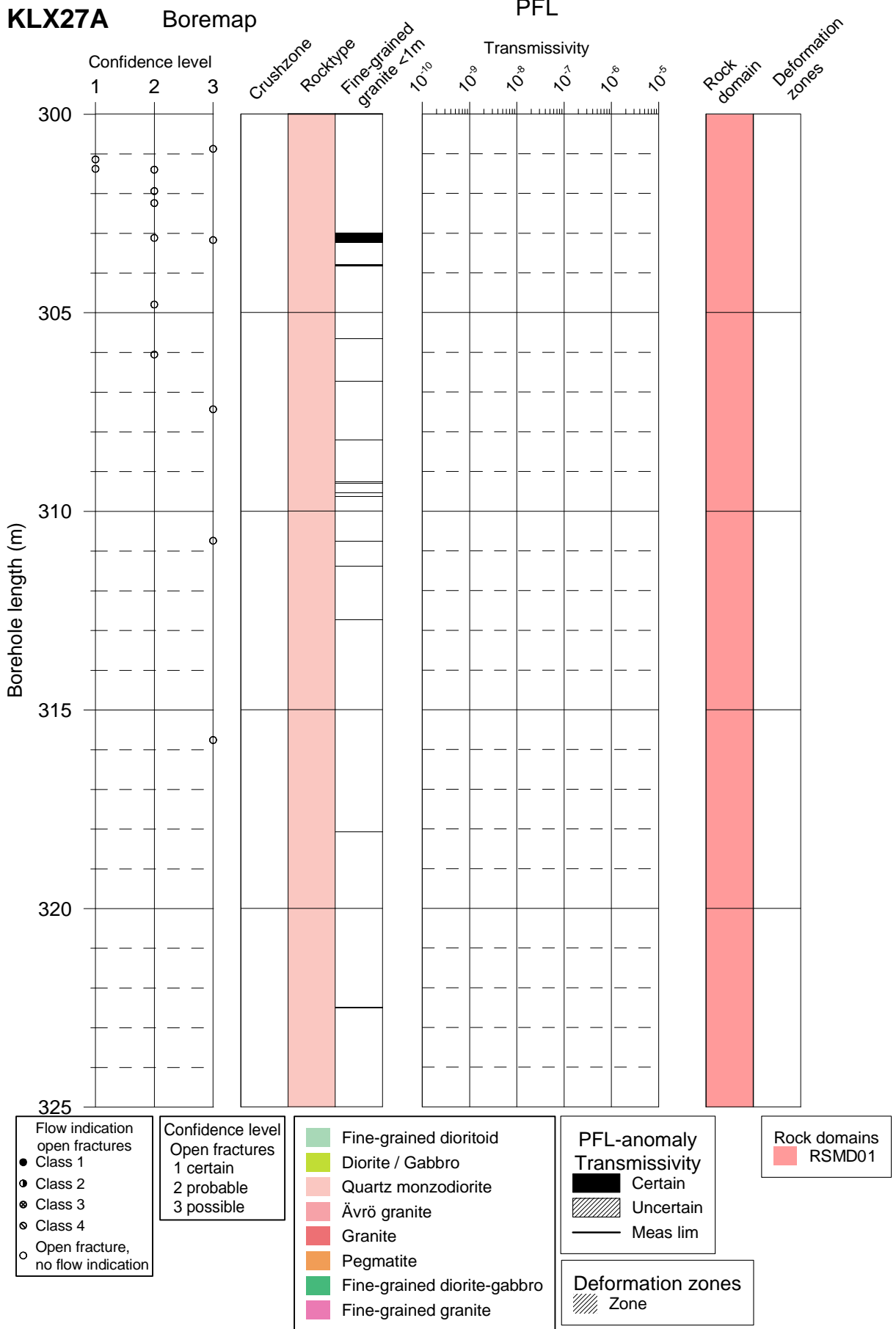


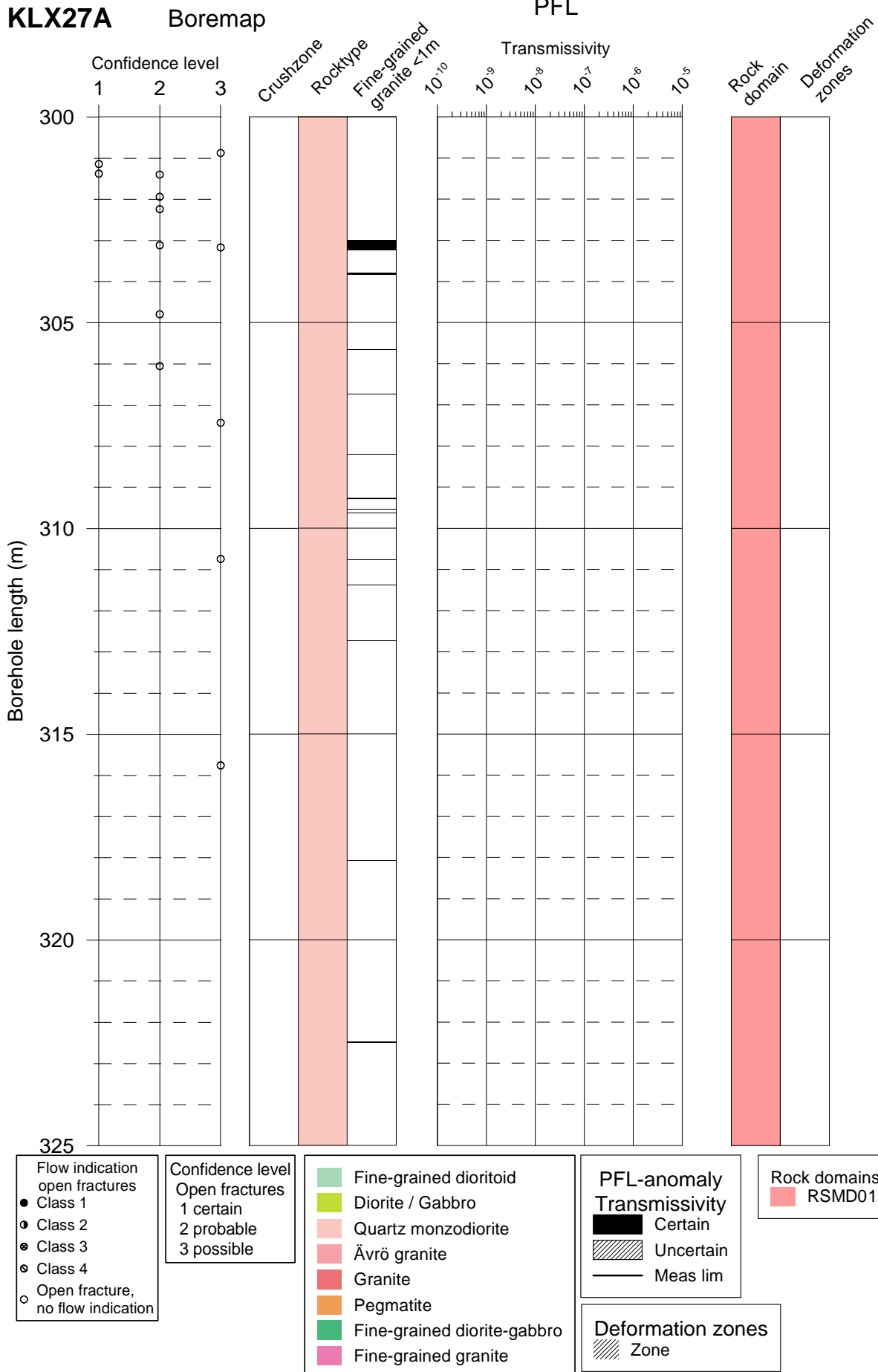








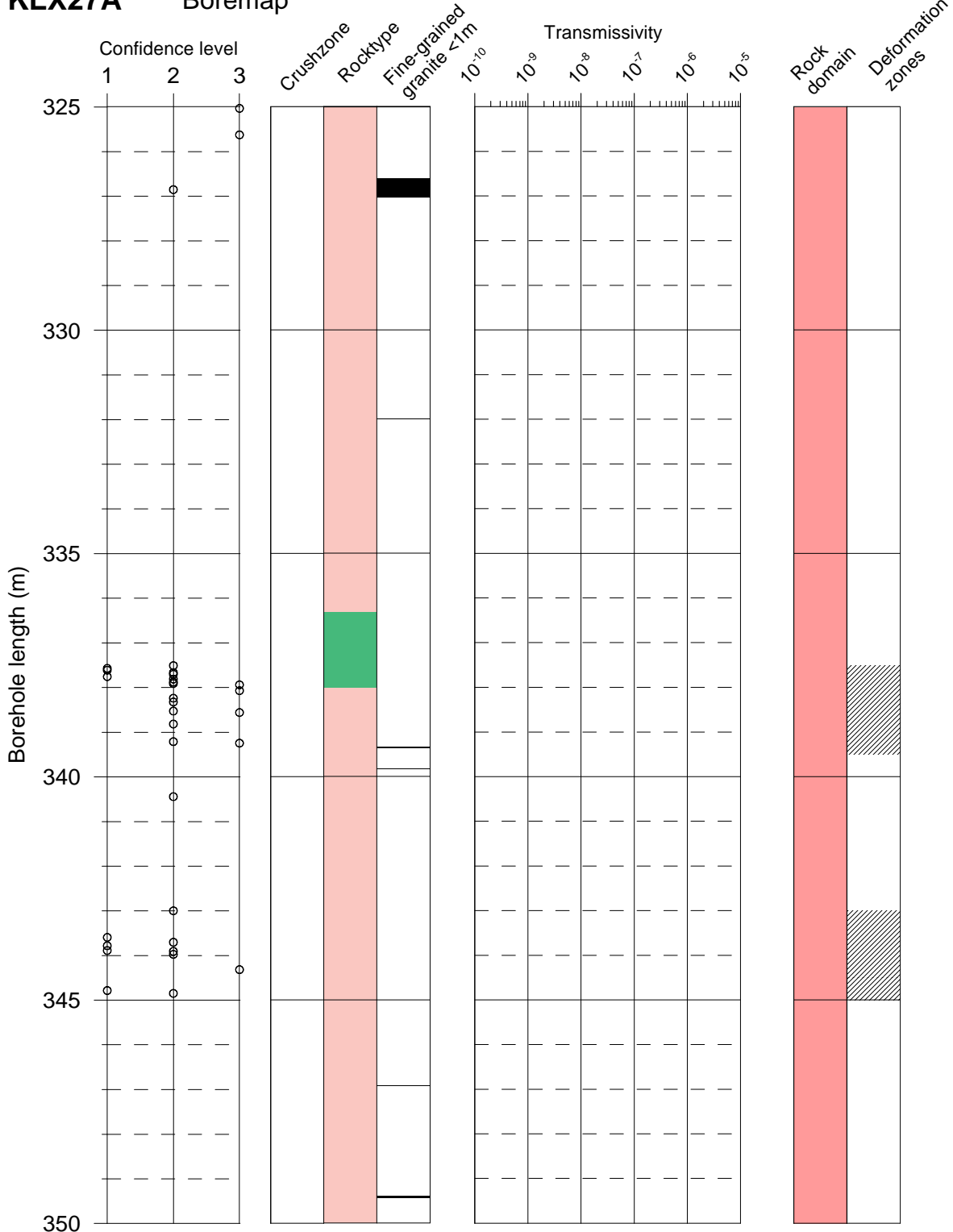




KLX27A

Boremap

PFL



Flow indication open fractures
 ● Class 1
 ○ Class 2
 ⊙ Class 3
 ⊖ Class 4
 ○ Open fracture, no flow indication

Confidence level
 Open fractures
 1 certain
 2 probable
 3 possible

■ Fine-grained dioritoid
 ■ Diorite / Gabbro
 ■ Quartz monzodiorite
 ■ Åvrö granite
 ■ Granite
 ■ Pegmatite
 ■ Fine-grained diorite-gabbro
 ■ Fine-grained granite

PFL-anomaly
 Transmissivity
 ■ Certain
 ▨ Uncertain
 — Meas lim

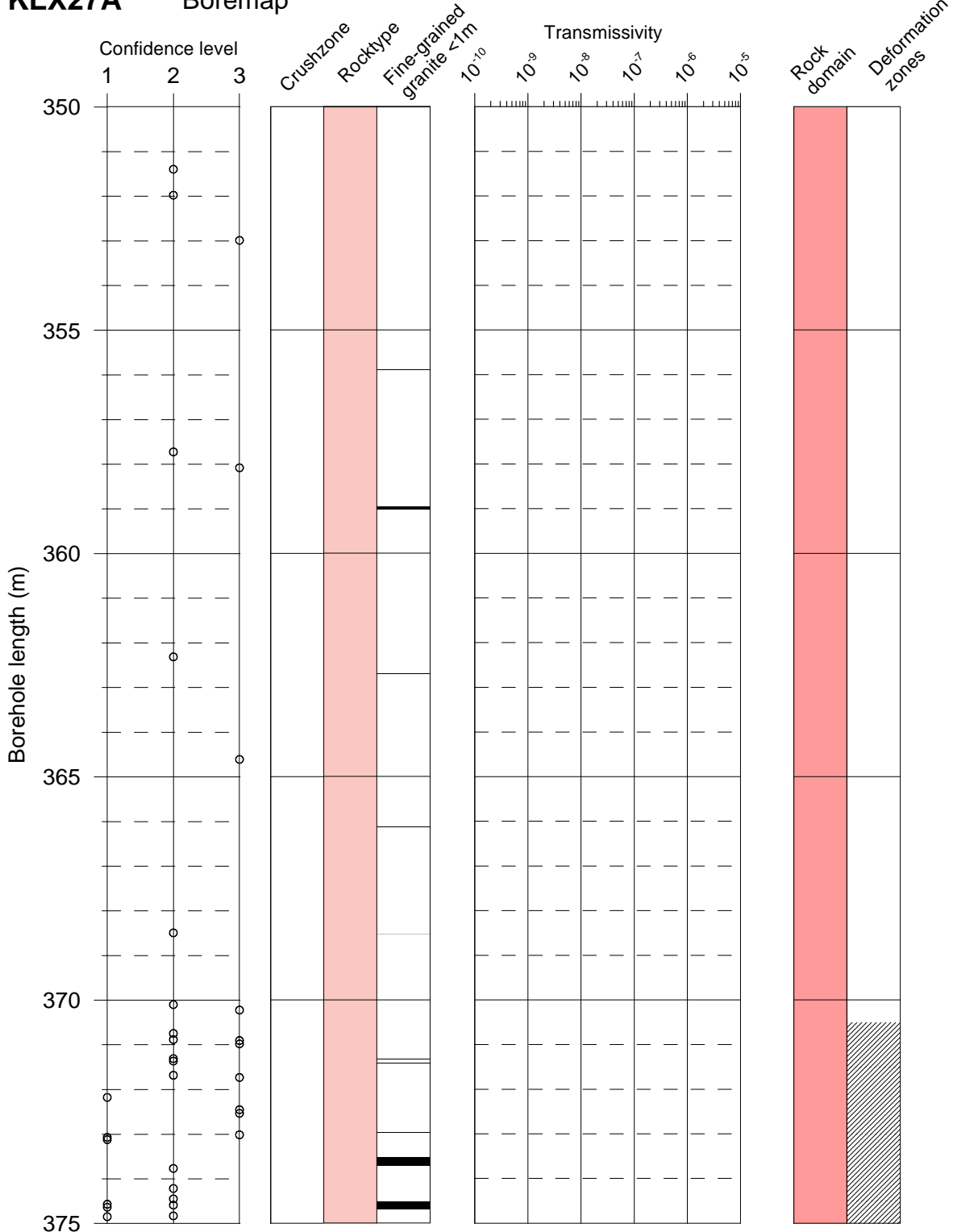
Rock domains
 ■ RSMD01

Deformation zones
 ▨ Zone

KLX27A

Boremap

PFL



Flow indication open fractures

- Class 1
- ◐ Class 2
- ◑ Class 3
- ◒ Class 4
- Open fracture, no flow indication

Confidence level Open fractures

- 1 certain
- 2 probable
- 3 possible

- Fine-grained dioritoid
- Diorite / Gabbro
- Quartz monzodiorite
- Åvrö granite
- Granite
- Pegmatite
- Fine-grained diorite-gabbro
- Fine-grained granite

PFL-anomaly Transmissivity

- Certain
- ▨ Uncertain
- Meas lim

Rock domains

- RSMD01

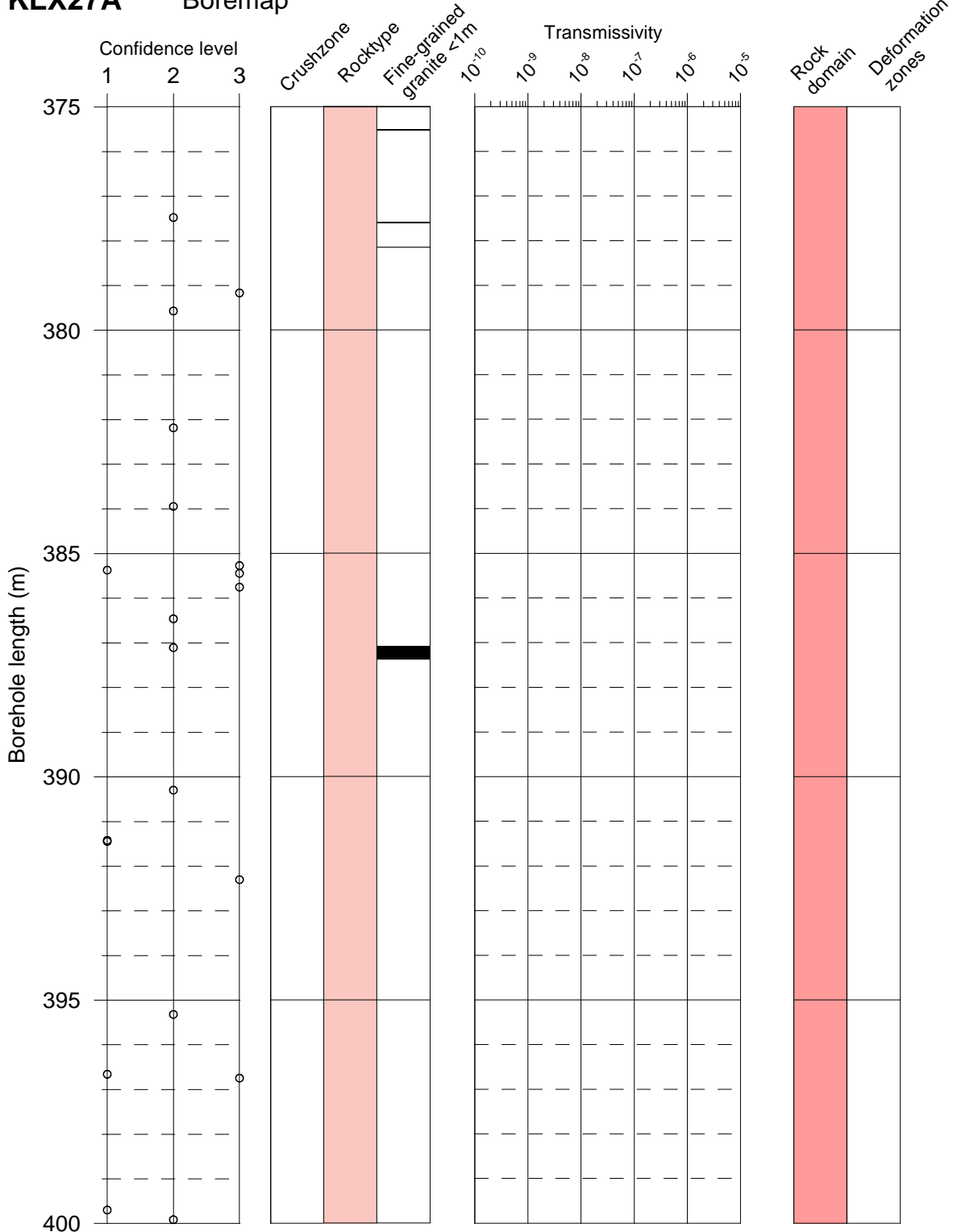
Deformation zones

- ▨ Zone

KLX27A

Boremap

PFL



Flow indication open fractures

- Class 1
- Class 2
- Class 3
- Class 4
- Open fracture, no flow indication

Confidence level Open fractures

- 1 certain
- 2 probable
- 3 possible

Fine-grained dioritoid
 Diorite / Gabbro
 Quartz monzodiorite
 Ävrö granite
 Granite
 Pegmatite
 Fine-grained diorite-gabbro
 Fine-grained granite

PFL-anomaly Transmissivity

- Certain
- ▨ Uncertain
- Meas lim

Rock domains

- RSMD01

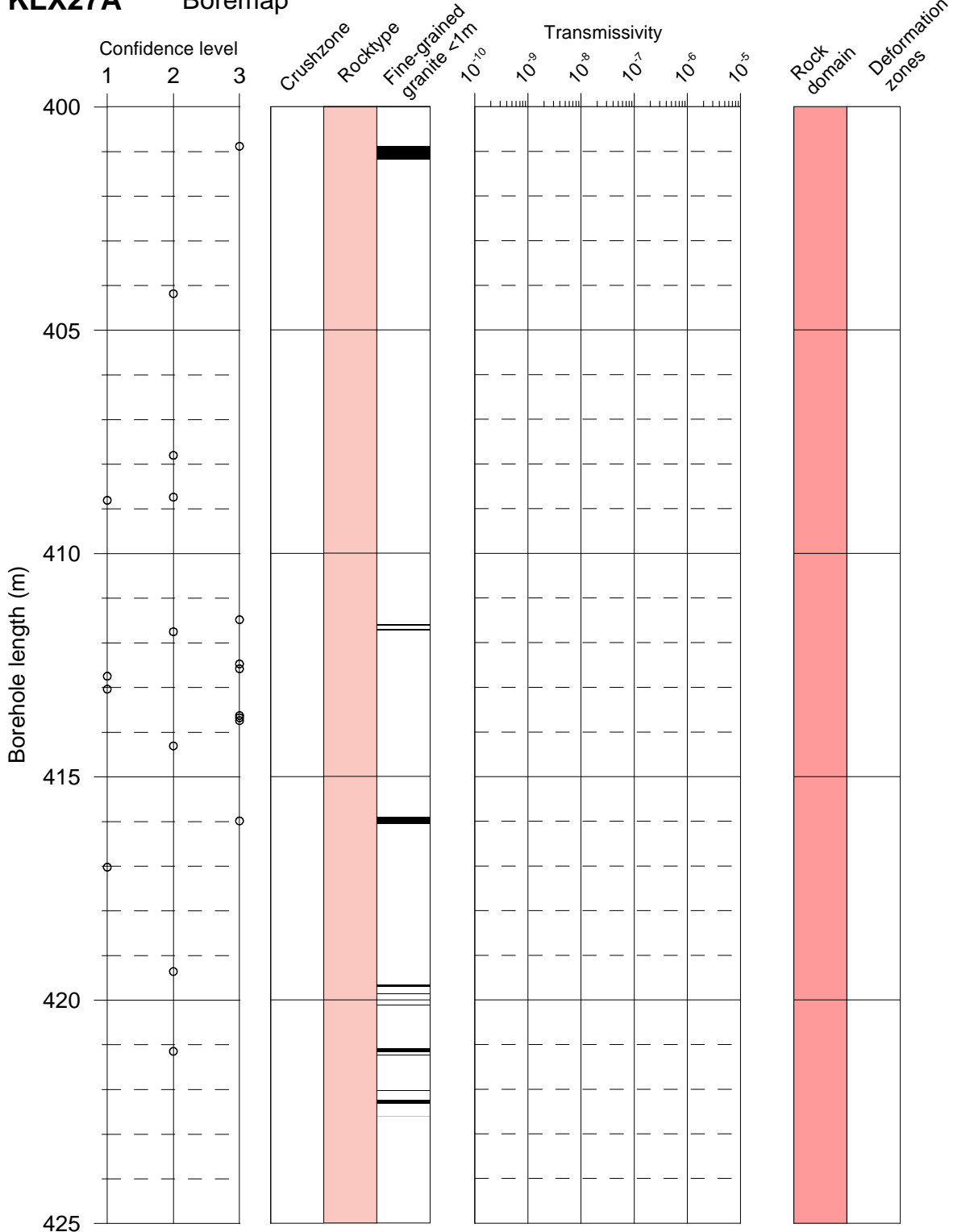
Deformation zones

- ▨ Zone

KLX27A

Boremap

PFL



Flow indication open fractures

- Class 1
- Class 2
- ⊙ Class 3
- ⊖ Class 4
- Open fracture, no flow indication

Confidence level Open fractures

- 1 certain
- 2 probable
- 3 possible

Rocktype

- Fine-grained dioritoid
- Diorite / Gabbro
- Quartz monzodiorite
- Ävrö granite
- Granite
- Pegmatite
- Fine-grained diorite-gabbro
- Fine-grained granite

PFL-anomaly Transmissivity

- Certain
- ▨ Uncertain
- Meas lim

Rock domains

- RSMD01

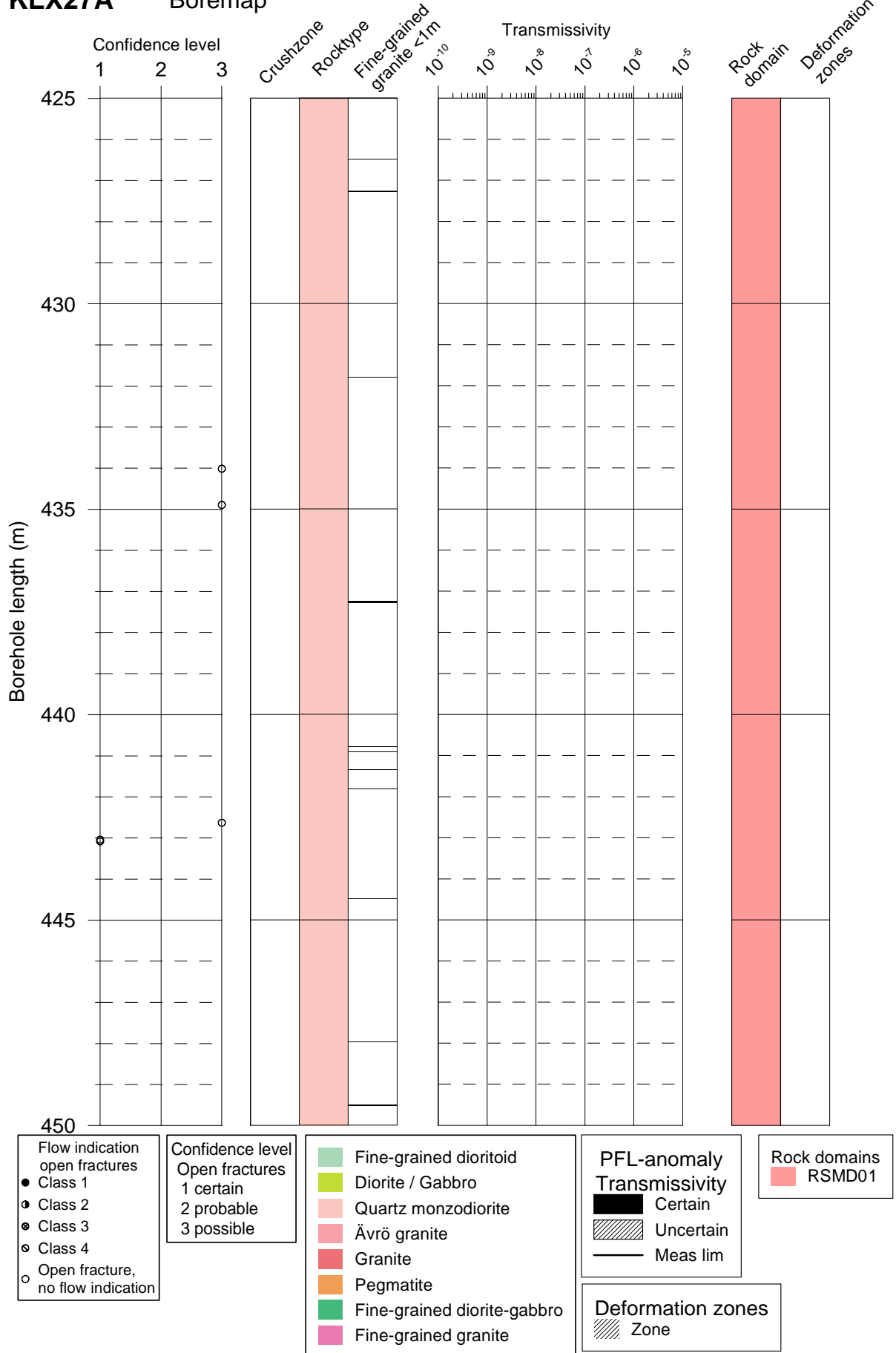
Deformation zones

- ▨ Zone

KLX27A

Boremap

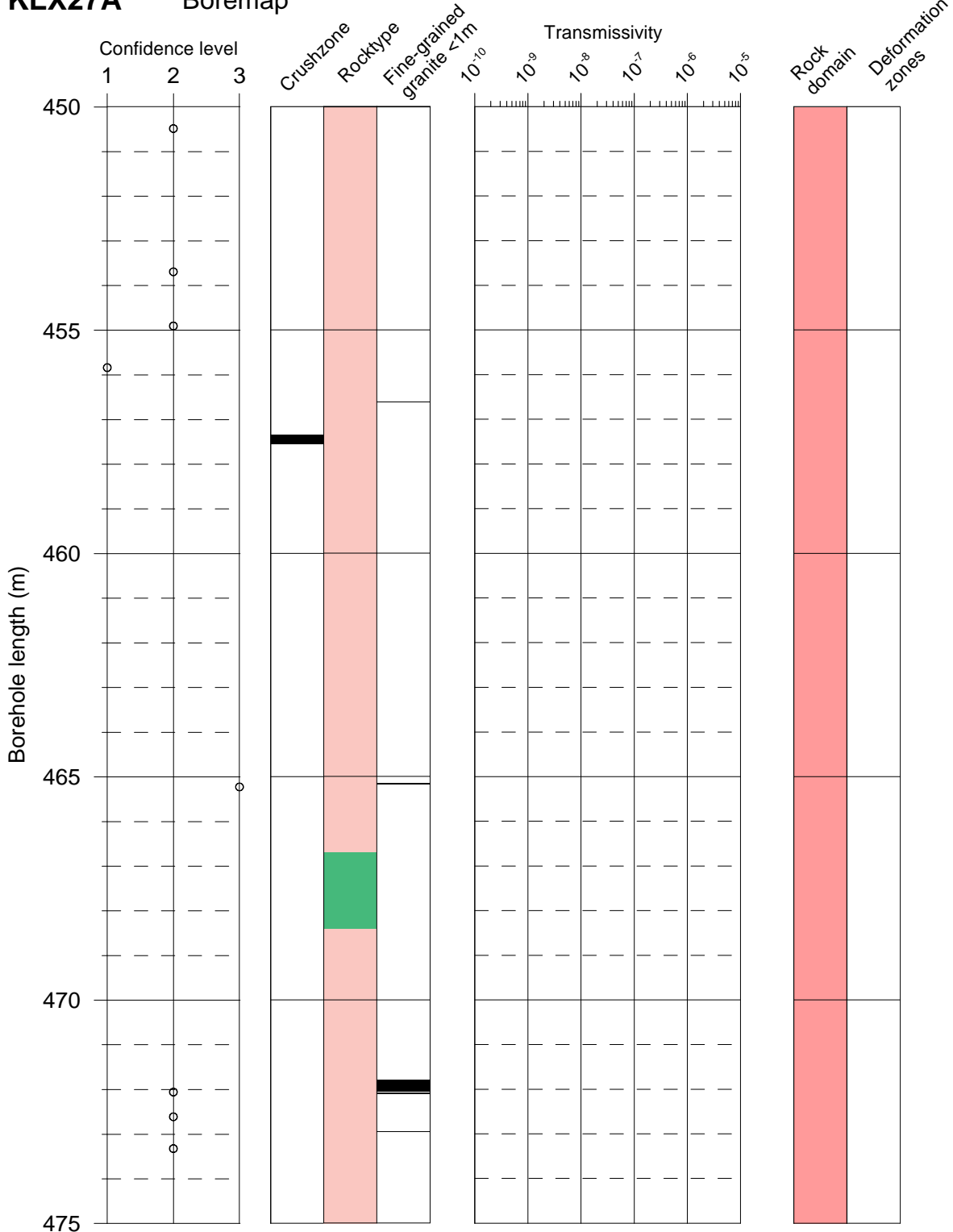
PFL



KLX27A

Boremap

PFL



Flow indication
open fractures

- Class 1
- Class 2
- Class 3
- Class 4
- Open fracture,
no flow indication

Confidence level
Open fractures

- 1 certain
- 2 probable
- 3 possible

- Fine-grained dioritoid
- Diorite / Gabbro
- Quartz monzodiorite
- Ävrö granite
- Granite
- Pegmatite
- Fine-grained diorite-gabbro
- Fine-grained granite

PFL-anomaly
Transmissivity

- Certain
- ▨ Uncertain
- Meas lim

Rock domains

- RSMD01

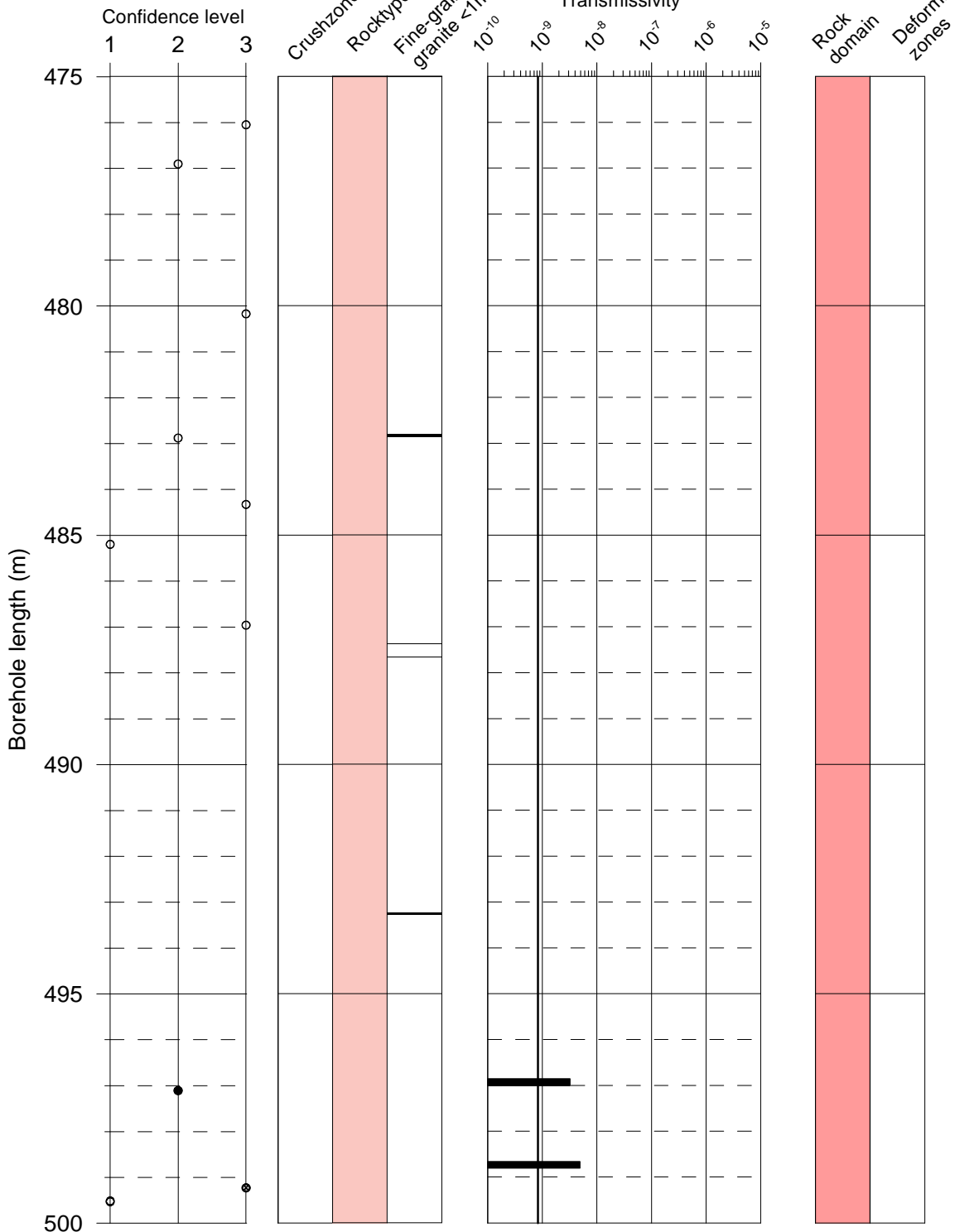
Deformation zones

- ▨ Zone

KLX27A

Boremap

PFL



Flow indication open fractures
 ● Class 1
 ○ Class 2
 ○ Class 3
 ○ Class 4
 ○ Open fracture, no flow indication

Confidence level
 Open fractures
 1 certain
 2 probable
 3 possible

Fine-grained dioritoid
 Diorite / Gabbro
 Quartz monzodiorite
 Ävrö granite
 Granite
 Pegmatite
 Fine-grained diorite-gabbro
 Fine-grained granite

PFL-anomaly
 Transmissivity
 ■ Certain
 ▨ Uncertain
 — Meas lim

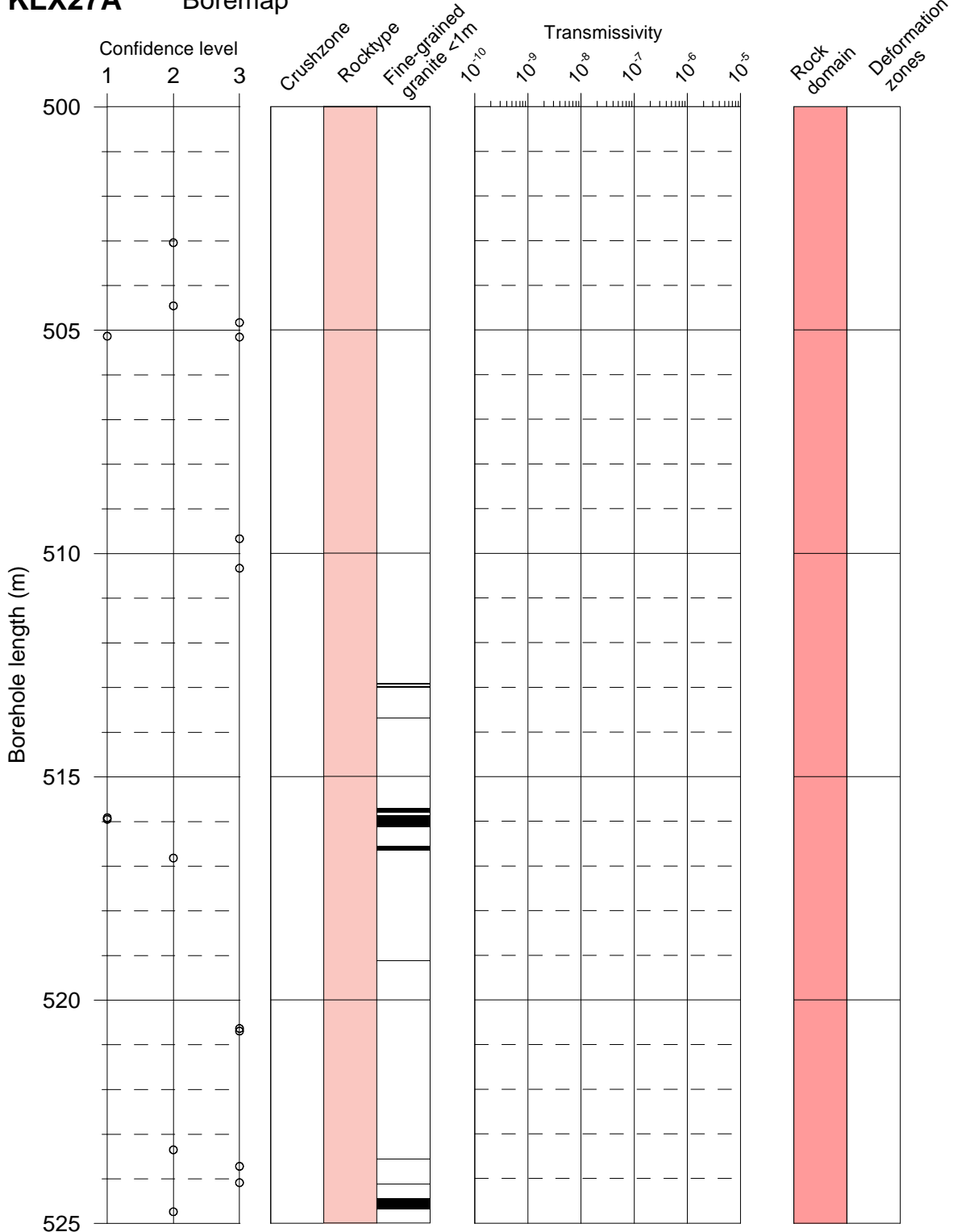
Rock domains
 ■ RSMD01

Deformation zones
 ▨ Zone

KLX27A

Boremap

PFL



Flow indication open fractures

- Class 1
- Class 2
- ⊙ Class 3
- ⊖ Class 4
- Open fracture, no flow indication

Confidence level

Open fractures

- 1 certain
- 2 probable
- 3 possible

- Fine-grained dioritoid
- Diorite / Gabbro
- Quartz monzodiorite
- Åvrö granite
- Granite
- Pegmatite
- Fine-grained diorite-gabbro
- Fine-grained granite

PFL-anomaly

Transmissivity

- Certain
- ▨ Uncertain
- Meas lim

Rock domains

- RSMD01

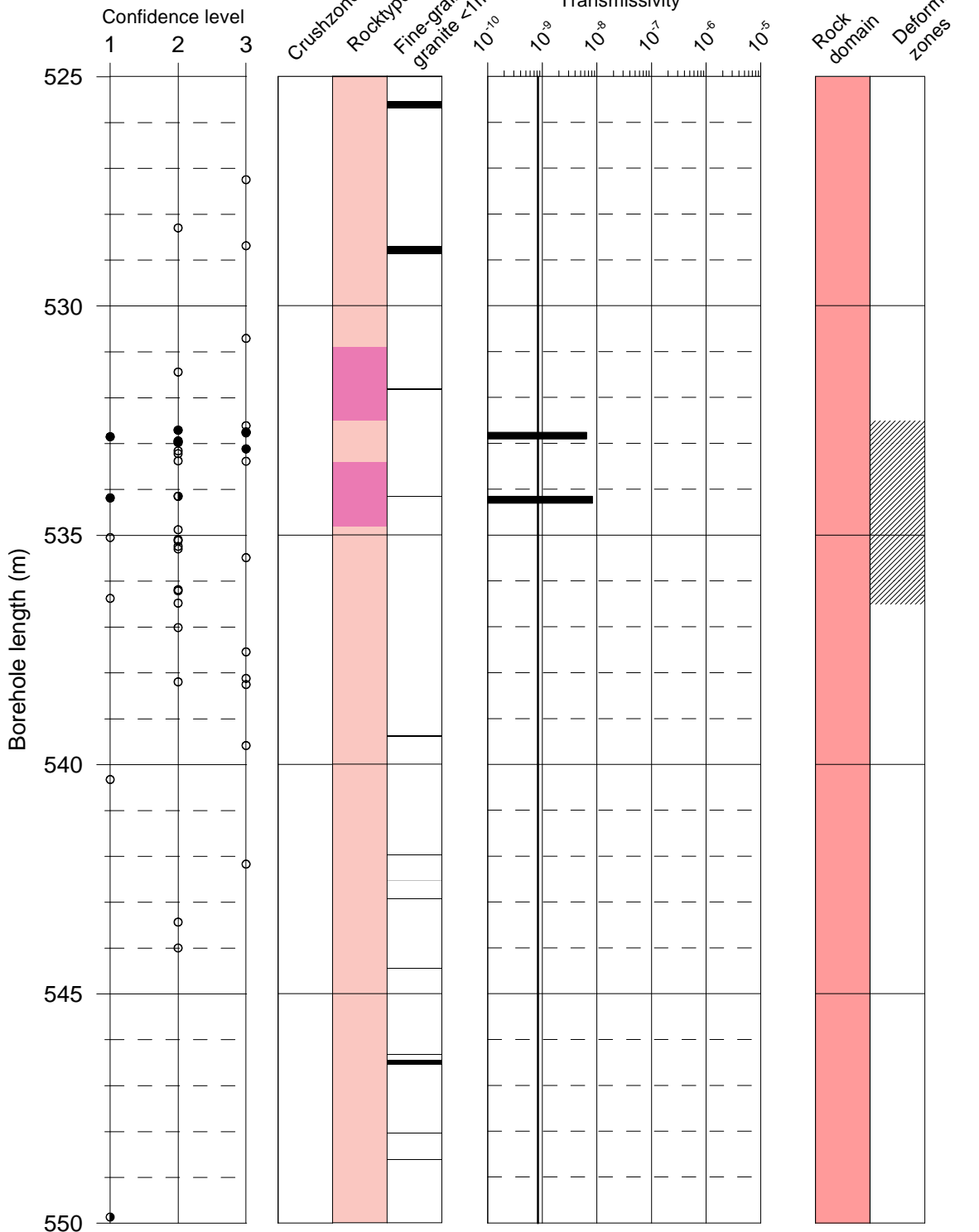
Deformation zones

- ▨ Zone

KLX27A

Boremap

PFL



Flow indication open fractures

- Class 1
- ◐ Class 2
- ◑ Class 3
- ◒ Class 4
- Open fracture, no flow indication

Confidence level Open fractures

- 1 certain
- 2 probable
- 3 possible

Rock types

- Fine-grained dioritoid
- Diorite / Gabbro
- Quartz monzodiorite
- Åvrö granite
- Granite
- Pegmatite
- Fine-grained diorite-gabbro
- Fine-grained granite

PFL-anomaly Transmissivity

- Certain
- ▨ Uncertain
- Meas lim

Rock domains

- RSMD01

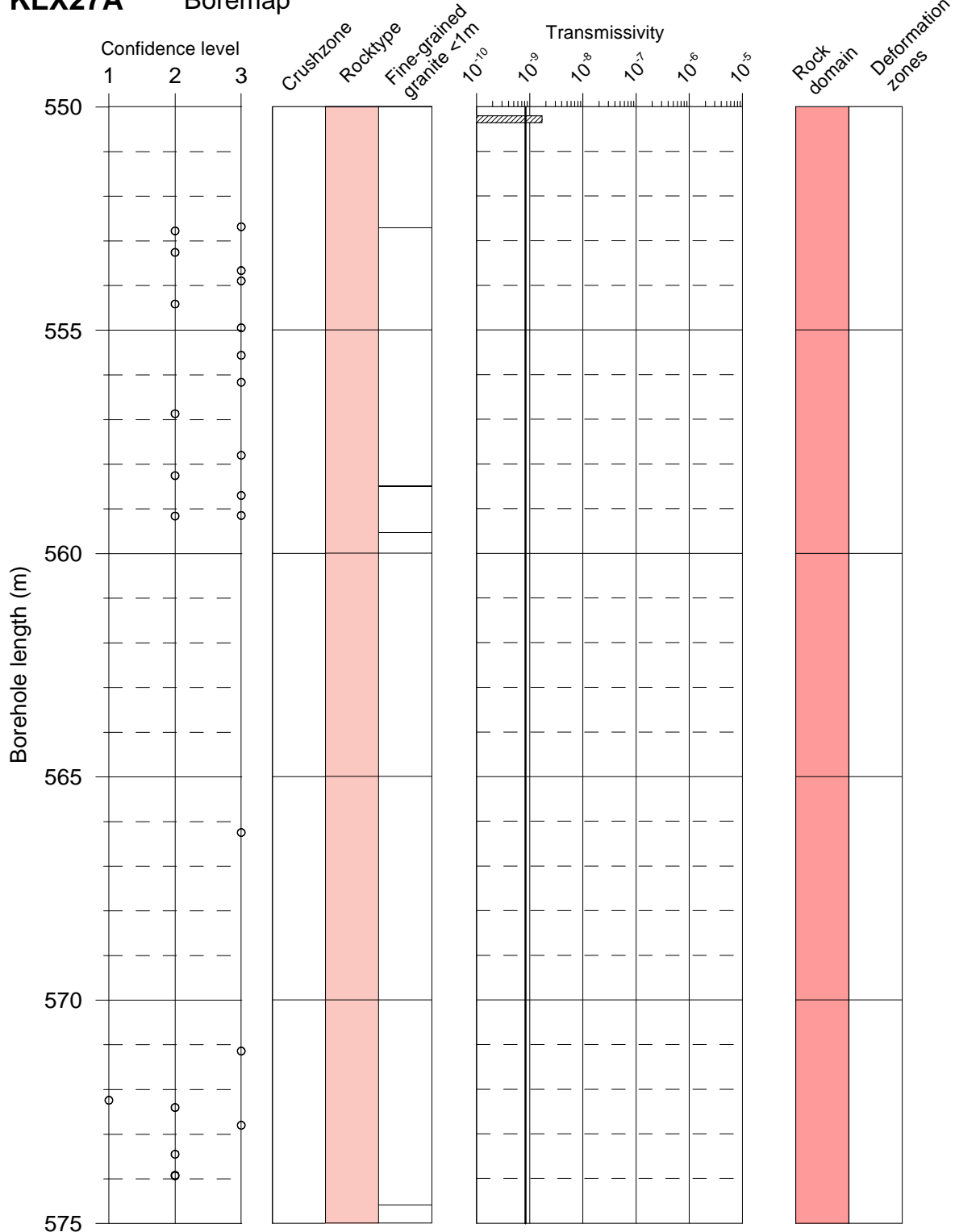
Deformation zones

- ▨ Zone

KLX27A

Boremap

PFL



Flow indication open fractures

- Class 1
- Class 2
- Class 3
- Class 4
- Open fracture, no flow indication

Confidence level Open fractures

- 1 certain
- 2 probable
- 3 possible

Rocktype

- Fine-grained dioritoid
- Diorite / Gabbro
- Quartz monzodiorite
- Ävrö granite
- Granite
- Pegmatite
- Fine-grained diorite-gabbro
- Fine-grained granite

PFL-anomaly Transmissivity

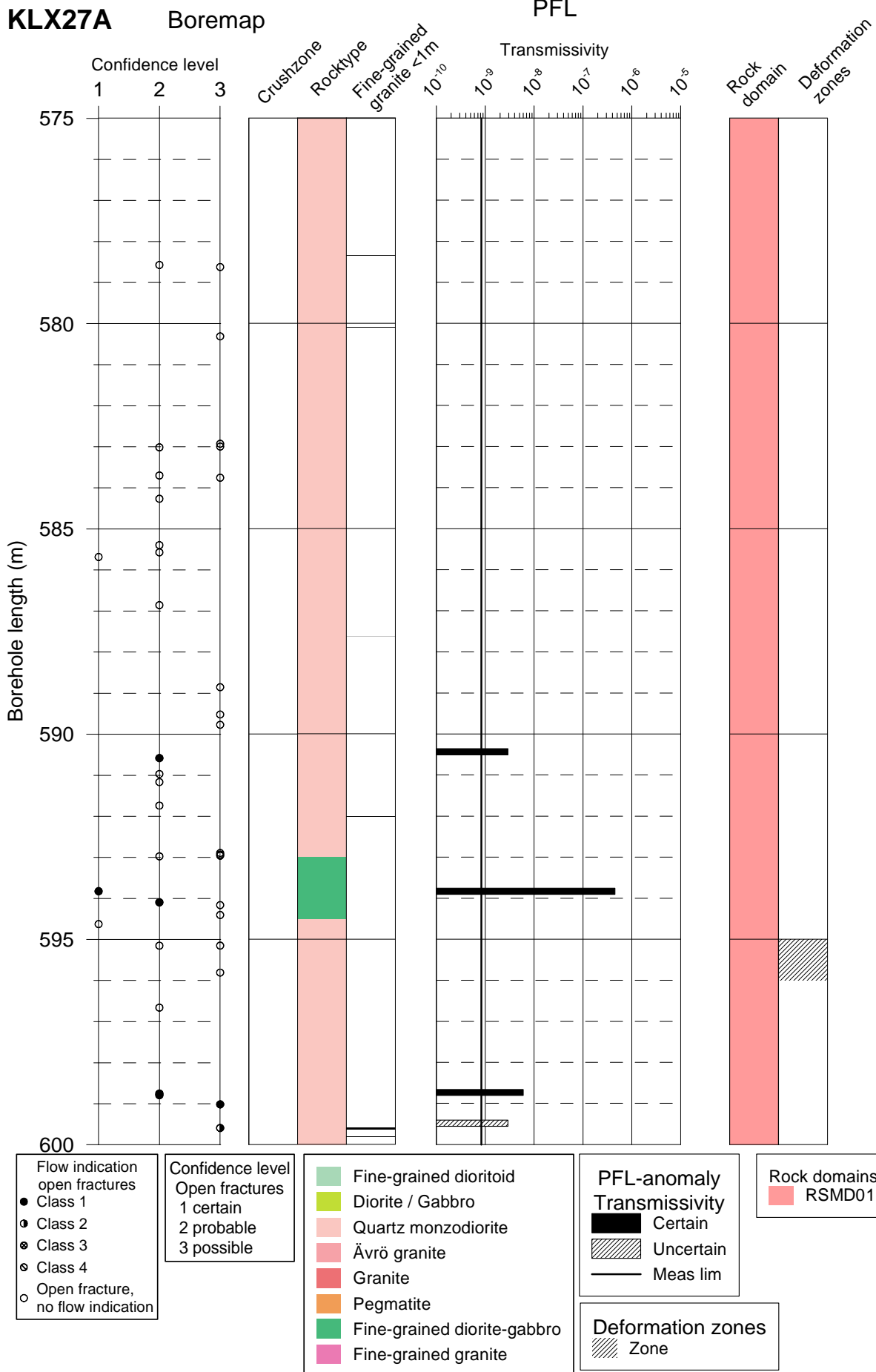
- Certain
- Uncertain
- Meas lim

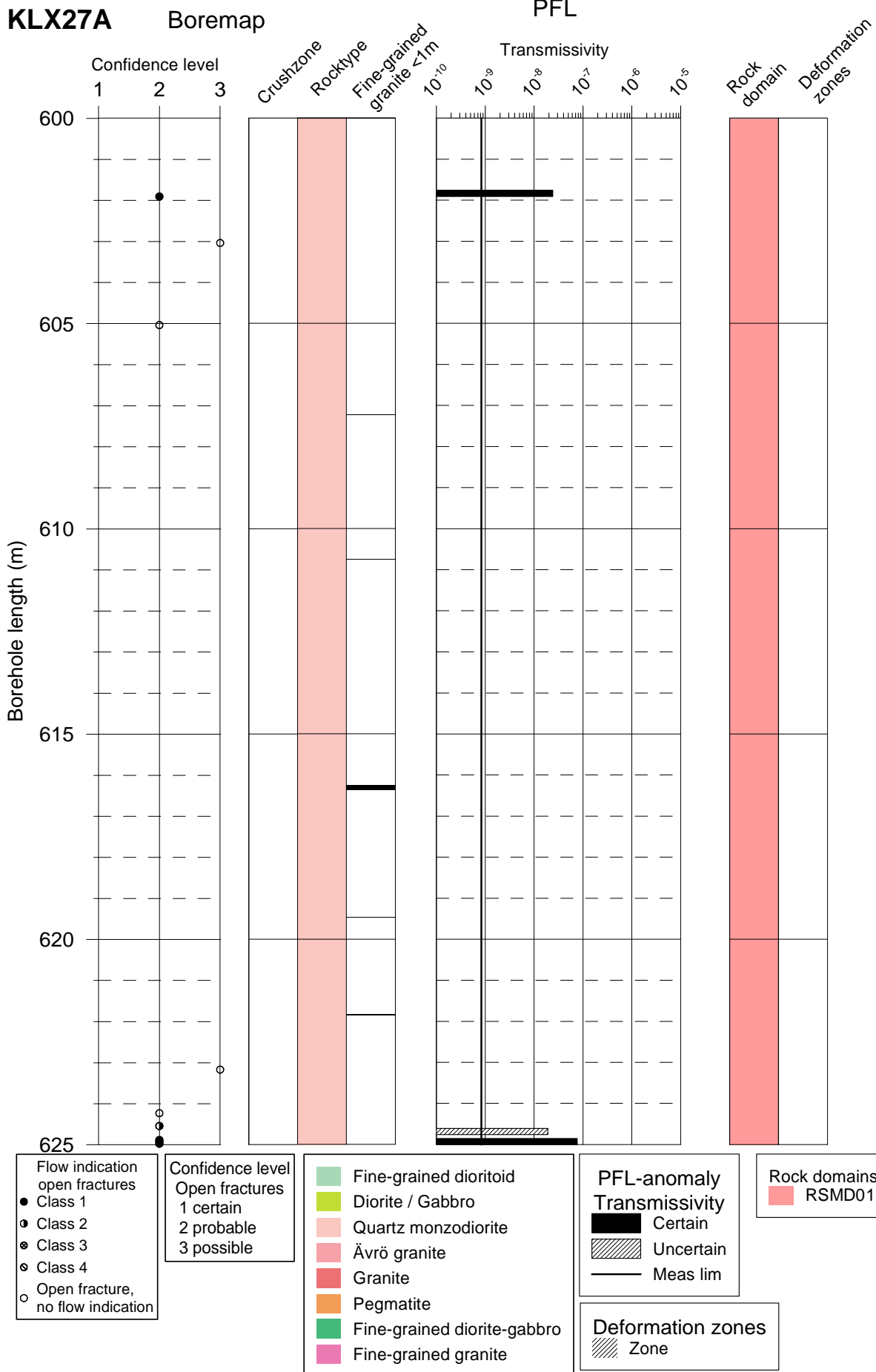
Rock domains

- RSMD01

Deformation zones

- Zone





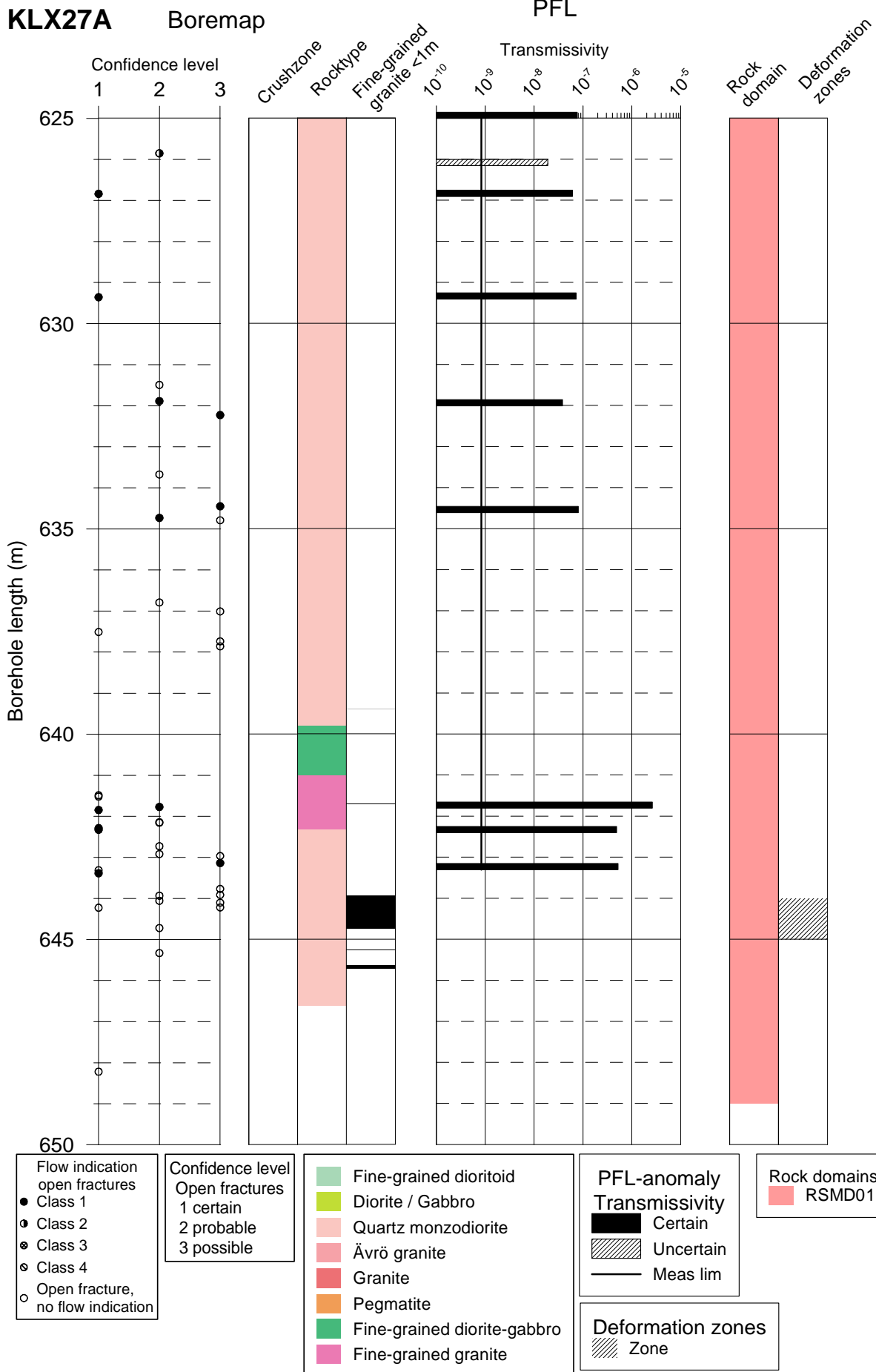


Table A9-1. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|------------|
| 1 | Bh-length (m) = 77.10 T (m ² /s) = 2.50E-9 PFL confidence= Certain | Adjusted secup (m) = 77.315 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 3 Best choice | |
| 2 | Bh-length (m) = 79.30 T (m ² /s) = 1.80E-8 PFL confidence= Certain | Adjusted secup (m) = 79.073 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |

Table A9-2. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 3 | <p>Bh-length (m) = 83.7</p> <p>$T (m^2/s) = 1.10E-7$</p> <p>PFL confidence= Certain</p> | <p>Adjusted secup (m) = 83.933</p> <p>Fract_interpret / Varcodes= open fr.</p> <p>Frac.interp. confidence= Probable</p> <p>PFL-anom. confidence= 2</p> <p>Best choice</p> | |
| 4a | <p>Bh-length (m) = 87.4</p> <p>$T (m^2/s) = 8.90E-9$</p> <p>PFL confidence= Certain</p> | <p>Adjusted secup (m) = 87.667</p> <p>Fract_interpret / Varcodes= partly open</p> <p>Frac.interp. confidence= Certain</p> <p>PFL-anom. confidence= 1</p> <p>Best choice</p> | |
| 4b | | <p>Adjusted secup (m) = 88.250</p> <p>Fract_interpret / Varcodes= open fr.</p> <p>Frac.interp. confidence= Probable</p> <p>PFL-anom. confidence= 2</p> | |

Table A9-3. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|--|
| 5 | Bh-length (m) = 88.4 T (m ² /s) = 7.00E-9 PFL confidence= Certain | Adjusted secup (m) = 88.250 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | <p>The BIPS image displays a geological cross-section with a vertical axis on the left showing elevations from 87.990 to 88.970. A red arrow points to a feature near the top right. On the right side, there is a list of data points with values such as 262.63, 097.61, 099.72, 013.25, 295.72, 279.75, 302.75, 306.21, 064.41, 304.09, 065.38, 104.23, and 090.88. The value 302.75 is circled in red.</p> |

Table A9-4. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 6a | Bh-length (m) = 90.7 T (m ² /s) = 3.70E-9 PFL confidence= Uncertain | Adjusted secup (m) = 90.855 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 2 Best choice | |
| 6b | | Adjusted secup (m) = 90.864 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 2 | |
| 6c | | Adjusted secup (m) = 90.871 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 2 | |

Table A9-5. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 7a | Bh-length (m) = 91.2 T (m ² /s) = 4.90E-8 PFL confidence= Uncertain | Adjusted secup (m) = 91.032 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 2 Best choice | |
| 7b | | Adjusted secup (m) = 91.286 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |
| 7c | | Adjusted secup (m) = 91.391 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 2 | |

Table A9-6. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 8a | Bh-length (m) = 91.5 T (m ² /s) = 3.80E-8 PFL confidence= Certain | Adjusted secup (m) = 91.696 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |
| 8b | | Adjusted secup (m) = 91.759 Fract_interpret / Varcodes= partly open Frac.interp. confidence= Certain PFL-anom. confidence= 2 | |

Table A9-7. KLX27A. Interpretation of PFL measurements and BOREMAP data

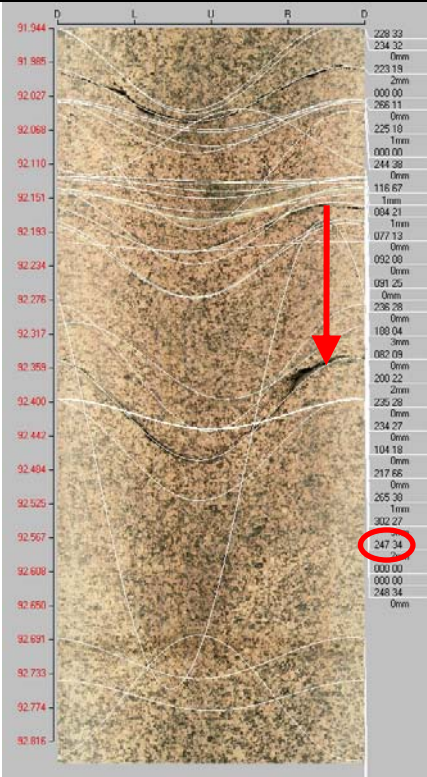
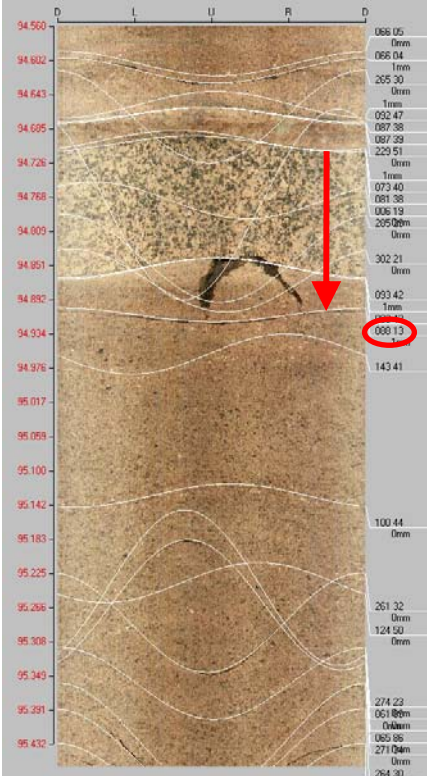
| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|--|
| 9a | Bh-length (m) = 92.3 T (m ² /s) = 1.50E-8 PFL confidence= Certain | Adjusted secup (m) = 92.188 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 |  |
| 9b | | Adjusted secup (m) = 92.410 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 10 | Bh-length (m) = 95.0 T (m ² /s) = 6.90E-9 PFL confidence= Uncertain | Adjusted secup (m) = 94.911 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice |  |

Table A9-8. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 11a | Bh-length (m) = 95.7 T (m ² /s) = 3.90E-8 PFL confidence= Certain | Adjusted secup (m) = 95.522 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 11b | | Adjusted secup (m) = 95.529 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 11c | | Adjusted secup (m) = 95.553 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 2 Best choice | |
| 11d | | Adjusted secup (m) = 95.603 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |
| 11e | | Adjusted secup (m) = 95.884 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |

Table A9-9. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|---|
| 12a | Bh-length (m) = 97.5 T (m ² /s) = 6.80E-10 PFL confidence= Uncertain | Adjusted secup (m) = 97.461 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | <p>The BIPS image displays a vertical borehole profile with depth markers ranging from 97.094 m at the top to 97.956 m at the bottom. A red arrow points to a depth of approximately 97.461 m. On the right side, several data points are listed, including '331 17 0mm', '253 25' (circled in red), '253 30 0mm', '131 17 0mm', '131 17 185 09 4mm', '240 85', '323 25 0mm', '124 59', '124 59', '083 12 336 08m 1mm', '324 27 1mm', and '230 45 2mm'.</p> |

Table A9-10. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 13a | Bh-length (m) = 101.3 T (m ² /s) = 7.10E-9 PFL confidence= Certain | Adjusted secup (m) = 101.291 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 13b | | Adjusted secup (m) = 101.327 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 13c | | Best choice Adjusted secup (m) = 101.372 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

Table A9-11. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|------------|
| 14a | Bh-length (m) = 102.8 T (m ² /s) = 5.40E-9 PFL confidence= Certain | Adjusted secup (m) = 102.717 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 14b | | Adjusted secup (m) = 102.745 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 14c | | Adjusted secup (m) = 102.783 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |

Table A9-12. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 15a | Bh-length (m) = 106.0 T (m ² /s) = 1.90E-9 PFL confidence= Uncertain | Adjusted secup (m) = 106.001 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 15b | | Adjusted secup (m) = 106.019 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 15c | | Adjusted secup (m) = 106.139 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 15d | | Adjusted secup (m) = 106.185 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |
| 15e | | Adjusted secup (m) = 106.194 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |

Table A9-13. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|------------|
| 16a | Bh-length (m) = 131.3 T (m ² /s) = 6.60E-9 PFL confidence= Certain | Adjusted secup (m) = 131.318 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 16b | | Adjusted secup (m) = 131.346 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |
| 16c | | Adjusted secup (m) = 131.376 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 16d | | Adjusted secup (m) = 131.415 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 16e | | Adjusted secup (m) = 131.447 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |

Table A9-14. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 17a | Bh-length (m) = 141.3 T (m ² /s) = 6.90E-9 PF confidence= Certain | Adjusted secup (m) = 141.253 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 17b | | Adjusted secup (m) = 141.322 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 17c | | Adjusted secup (m) = 141.340 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

Table A9-15. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 18a | Bh-length (m) = 151.3 T (m ² /s) = 1.70E-8 PF confidence= Certain | Adjusted secup (m) = 151.015 Fract_interpret / Varcodes= partly open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |
| 18b | | Adjusted secup (m) = 151.371 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 18c | | Adjusted secup (m) = 151.498 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 18d | | Adjusted secup (m) = 151.582 Fract_interpret / Varcodes= partly open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |

Table A9-16. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 19a | Bh-length (m) = 154.0 T (m ² /s) = 2.40E-9 PF confidence= Certain | Adjusted secup (m) = 153.999 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 19b | | Adjusted secup (m) = 154.080 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |
| 20a | Bh-length (m) = 162.9 T (m ² /s) = 3.90E-8 PF confidence= Certain | Adjusted secup (m) = 162.977 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 20b | | Adjusted secup (m) = 163.009 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |

Table A9-17. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|--|
| 21b | Bh-length (m) = 176.1 T (m ² /s) = 3.60E-9 PF confidence= Certain | Adjusted secup (m) = 176.003 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | <p>The BIPS image displays a geological cross-section with contour lines. A red arrow points to a circled data point '092 56' on the right side of the image. The image includes a vertical scale on the left and a horizontal scale at the top with labels 'D', 'L', 'U', 'R', 'D'. The right side of the image has a vertical list of data points, with '092 56' circled in red.</p> |
| 21b | | Adjusted secup (m) = 176.211 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 21c | | Adjusted secup (m) = 176.215 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 21d | | Adjusted secup (m) = 176.239 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |

Table A9-18. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 22 | Bh-length (m) = 182.0 T (m ² /s) = 8.20E-9 PF confidence= Certain | Adjusted secup (m) = 181.963 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |

Table A9-19. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|--|
| 23a | Bh-length (m) = 209.1 T (m ² /s) = 3.90E-9 PF confidence= Certain | Adjusted secup (m) = 209.113 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | <p>The BIPS image displays a geological cross-section with contour lines representing elevation or depth. A red arrow points to a specific data point circled in red, which is labeled with the value 120.53. The image also shows various other data points and labels along the right edge, such as 049.69, 099.65, 036.76, 036.66, 039.64, 039.61, 041.68, 037.63, 110.67, 010.60, 005.62, 091.48, 005.00, 123.08, 099.67, 016.62, 000.00, 059.34, and 000.00. The vertical axis on the left is labeled with values from 209.714 down to 209.557.</p> |
| 23b | | Adjusted secup (m) = 209.123 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |
| 23c | | Adjusted secup (m) = 209.141 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A9-20. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 24a | Bh-length (m) = 221.4 T (m ² /s) = 7.00E-9 PF confidence= Certain | Adjusted secup (m) = 221.255 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 24b | | Adjusted secup (m) = 221.376 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 24c | | Adjusted secup (m) = 221.402 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 24d | | Adjusted secup (m) = 221.457 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

Table A9-21. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 24e | Bh-length (m) = 221.4 T (m ² /s) = 7.00E-9 PF confidence= Certain | Adjusted secup (m) = 221.546 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 24f | | Adjusted secup (m) = 221.593 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |

Table A9-22. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 25a | Bh-length (m) = 225.3 T (m ² /s) = 5.00E-9 PF confidence= Uncertain | Adjusted secup (m) = 225.165 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 25b | | Adjusted secup (m) = 225.230 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |
| 25c | | Adjusted secup (m) = 225.256 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 25d | | Adjusted secup (m) = 225.282 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |

Table A9-23. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 25e | Bh-length (m) = 225.3 T (m ² /s) = 5.00E-9 PF confidence= Uncertain | Adjusted secup (m) = 225.358 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 25f | | Adjusted secup (m) = 225.361 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 25g | | Adjusted secup (m) = 225.403 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 25h | | Adjusted secup (m) = 225.431 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 2 Best choice | |
| 25i | | Adjusted secup (m) = 225.480 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |

Table A9-24. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 26a | Bh-length (m) = 226.5 T (m ² /s) = 2.00E-7 PF confidence= Certain | Adjusted secup (m) = 226.504 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 26b | | Adjusted secup (m) = 226.535 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 26c | | Adjusted secup (m) = 226.548 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 26d | | Adjusted secup (m) = 226.613 Adjusted seclow (m) = 227.111 Fract_interpret / Varcod= crush zone PFL-anom. confidence= 2 Best choice crush | |

Table A9-25. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 27a | Bh-length (m) = 227.5 T (m ² /s) = 9.70E-8 PF confidence= Uncertain | Adjusted secup (m) = 227.358 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 2 Best choice | |
| 27b | | Adjusted secup (m) = 227.441 Adjusted seclow (m) = 227.617 Fract_interpret / Varcodes= crush zone PFL-anom. confidence= 1 Best choice crush | |

Table A9-26. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 28a | Bh-length (m) = 229.0 T (m ² /s) = 4.30E-8 PF confidence= Uncertain | Adjusted secup (m) = 228.868 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 28b | | Adjusted secup (m) = 228.936 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 28c | | Adjusted secup (m) = 229.085 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 28d | | Adjusted secup (m) = 229.183 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |

Table A9-27. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 29a | Bh-length (m) = 242.4 T (m ² /s) = 4.90E-9 PF confidence= Uncertain | Adjusted secup (m) = 242.343 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 29b | | Adjusted secup (m) = 242.403 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |
| 29c | | Adjusted secup (m) = 242.481 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 29d | | Adjusted secup (m) = 242.611 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 29e | | Adjusted secup (m) = 242.235 Adjusted seclow (m) = 242.270 Fract_interpret / Varcod= crush zone PFL-anom. confidence= 2 Best choice crush | |

Table A9-28. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 30a | Bh-length (m) = 253.9 T (m ² /s) = 3.90E-8 PF confidence= Certain | Adjusted secup (m) = 253.702 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 30b | | Adjusted secup (m) = 253.733 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 30c | | Adjusted secup (m) = 253.746 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 30d | | Adjusted secup (m) = 253.791 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |
| 30e | | Adjusted secup (m) = 254.062 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |

30f Bh-length (m) = 253.9 Adjusted secup (m) = 253.808
 T (m²/s) = Adjusted seclow (m) = 253.874
 3.90E-8
 PF confidence= Fract_interpret / Varcod=
 Certain crush zone
 PFL-anom. confidence=
 1
 Best choice crush

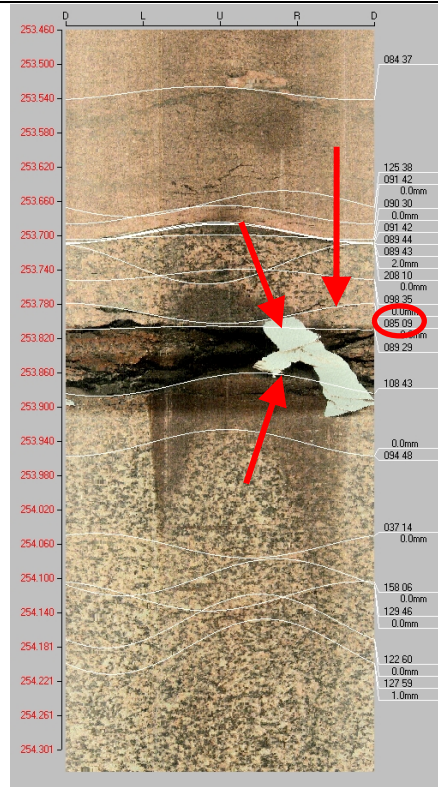


Table A9-29. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|------------|
| 31 | <p>Bh-length (m) = 497.0</p> <p>T (m²/s) = 3.20E-9</p> <p>PF confidence= Certain</p> | <p>Adjusted secup (m) = 497.107</p> <p>Fract_interpret / Varcodes= open fr.</p> <p>Frac.interp. confidence= Probable</p> <p>PFL-anom. confidence= 1</p> <p>Best choice</p> | |
| 32 | <p>Bh-length (m) = 498.8</p> <p>T (m²/s) = 4.90E-9</p> <p>PF confidence= Certain</p> | <p>Adjusted secup (m) = 499.228</p> <p>Fract_interpret / Varcodes= open fr.</p> <p>Frac.interp. confidence= Possible</p> <p>PFL-anom. confidence= 5</p> <p>Best choice</p> | |

Table A9-30. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 33a | Bh-length (m) = 532.9 T (m ² /s) = 6.50E-9 PF confidence= Certain | Adjusted secup (m) = 532.707 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 33b | | Adjusted secup (m) = 532.746 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 33c | | Adjusted secup (m) = 532.765 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 33d | | Adjusted secup (m) = 532.849 Fract_interpret / Varcodes= Partly open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |

| | | |
|-----|--|---|
| 33e | <p>Bh-length (m) = 532.9</p> <p>$T (m^2/s) = 6.50E-9$</p> <p>PF confidence= Certain</p> | <p>Adjusted secup (m) = 532.943</p> <p>Fract_interpret / Varcodes= open fr.</p> <p>Frac.interp. confidence= Probable</p> <p>PFL-anom. confidence= 1</p> |
| 33f | | <p>Adjusted secup (m) = 532.975</p> <p>Fract_interpret / Varcodes= open fr.</p> <p>Frac.interp. confidence= Probable</p> <p>PFL-anom. confidence= 1</p> <p>Best choice</p> |
| 33g | | <p>Adjusted secup (m) = 533.115</p> <p>Fract_interpret / Varcodes= open fr.</p> <p>Frac.interp. confidence= Possible</p> <p>PFL-anom. confidence= 2</p> |

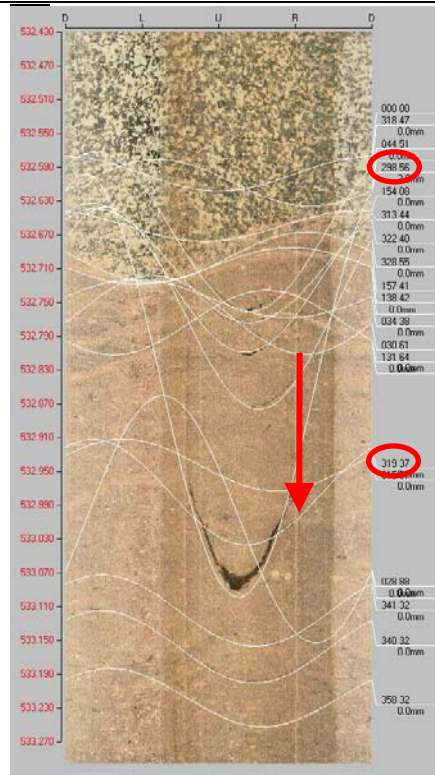


Table A9-31. KLX27A. Interpretation of PFL measurements and BOREMAP data

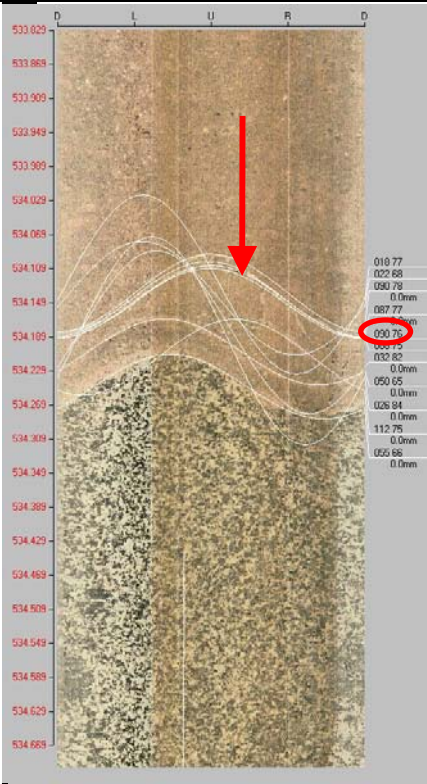
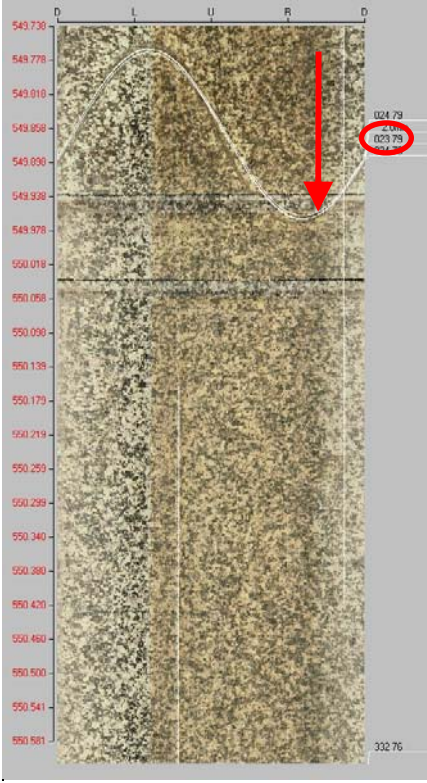
| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|--|
| 34a | Bh-length (m) = 534.3 T (m ² /s) = 8.30E-9 PF confidence= Certain | Adjusted secup (m) = 534.148 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice |  |
| 34b | | Adjusted secup (m) = 534.184 Fract_interpret / Varcodes= Partly open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 2 | |
| 35 | Bh-length (m) = 550.2 T (m ² /s) = 1.70E-9 PF confidence= Uncertain | Adjusted secup (m) = 549.865 Fract_interpret / Varcodes= Sealed fr. Frac.interp. confidence= Certain PFL-anom. confidence= 2 Best choice |  |

Table A9-32. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 36 | Bh-length (m) = 590.5 T (m ² /s) = 2.90E-9 PF confidence= Certain | Adjusted secup (m) = 590.582 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 37a | Bh-length (m) = 593.9 T (m ² /s) = 4.50E-7 PF confidence= Certain | Adjusted secup (m) = 593.825 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 37b | | Adjusted secup (m) = 594.095 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

Table A9-33. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 38a | Bh-length (m) = 598.8 T (m ² /s) = 6.00E-9 PF confidence= Certain | Adjusted secup (m) = 598.753 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 38b | | Adjusted secup (m) = 598.792 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 38c | | Adjusted secup (m) = 599.015 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |

Table A9-34. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 39 | Bh-length (m) = 599.4 T (m ² /s) = 2.90E-9 PF confidence= Uncertain | Adjusted secup (m) = 599.591 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 Best choice | |
| 40 | Bh-length (m) = 601.9 T (m ² /s) = 2.40E-8 PF confidence= Certain | Adjusted secup (m) = 601.905 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |

Table A9-35. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|---|
| 41 | Bh-length (m) = 624.6 T (m ² /s) = 1.90E-8 PF confidence= Uncertain | Adjusted secup (m) = 624.543 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | <p>The BIPS image displays a vertical borehole profile with depth markers ranging from 624.092 to 624.934 on the left and 1322.76 to 117.86 on the right. A red arrow points to a depth of approximately 624.413. A red circle highlights a data point at 294.82 on the right side.</p> |

Table A9-36. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 42a | Bh-length (m) = 625.0 T (m ² /s) = 7.60E-8 PF confidence= Certain | Adjusted secup (m) = 624.883 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 42b | | Adjusted secup (m) = 624.927 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 42c | | Adjusted secup (m) = 624.974 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |

Table A9-37. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 43 | Bh-length (m) = 626.0 T (m ² /s) = 1.90E-8 PF confidence= Uncertain | Adjusted secup (m) = 625.852 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |
| 44 | Bh-length (m) = 626.9 T (m ² /s) = 6.10E-8 PF confidence= Certain | Adjusted secup (m) = 626.838 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |

Table A9-38. KLX27A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 45 | Bh-length (m) = 629.4 T (m ² /s) = 7.20E-8 PF confidence= Certain | Adjusted secup (m) = 629.355 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 46a | Bh-length (m) = 632.0 T (m ² /s) = 3.80E-8 PF confidence= Certain | Adjusted secup (m) = 631.887 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |
| 46b | | Adjusted secup (m) = 632.227 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |

Table A9-39. KLX27A. Interpretation of PFL measurements and BOREMAP data

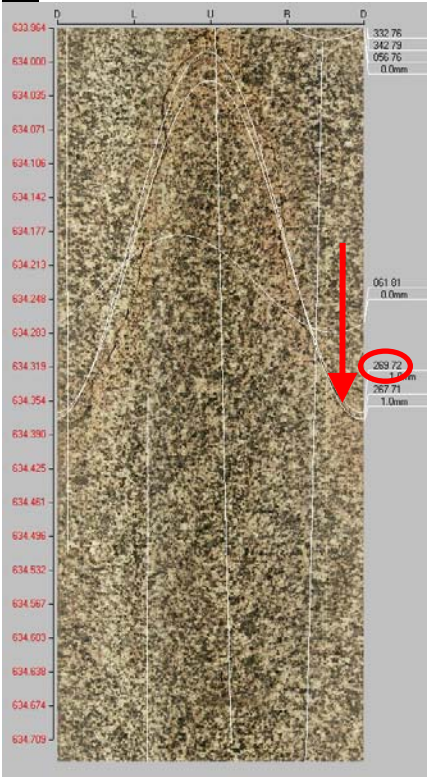
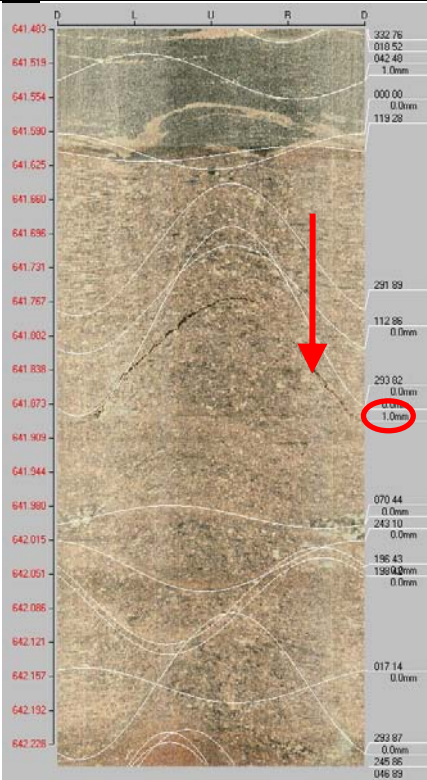
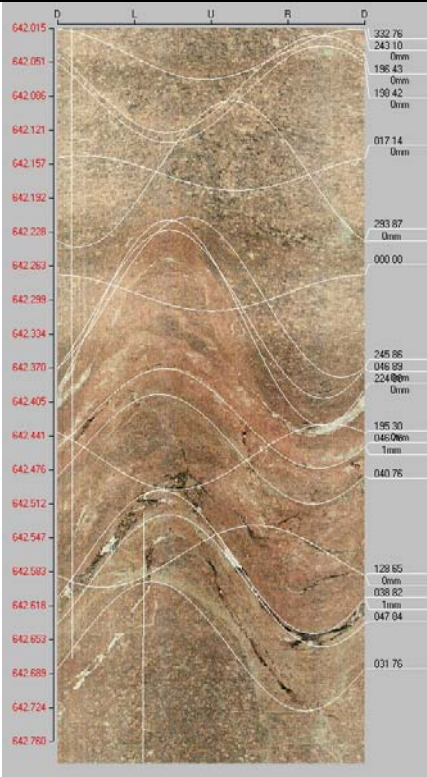
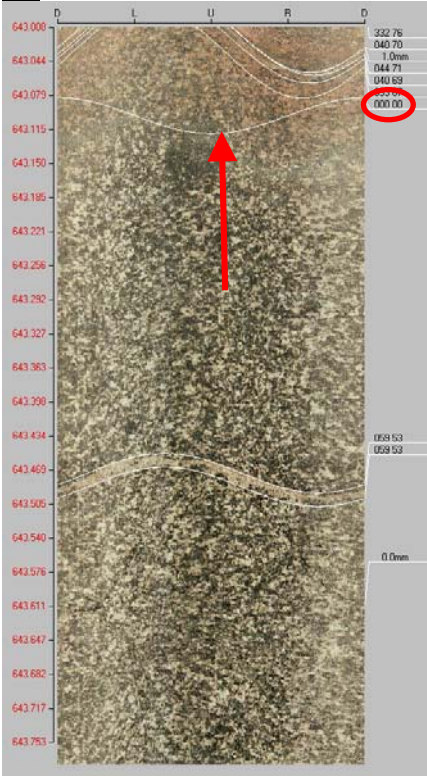
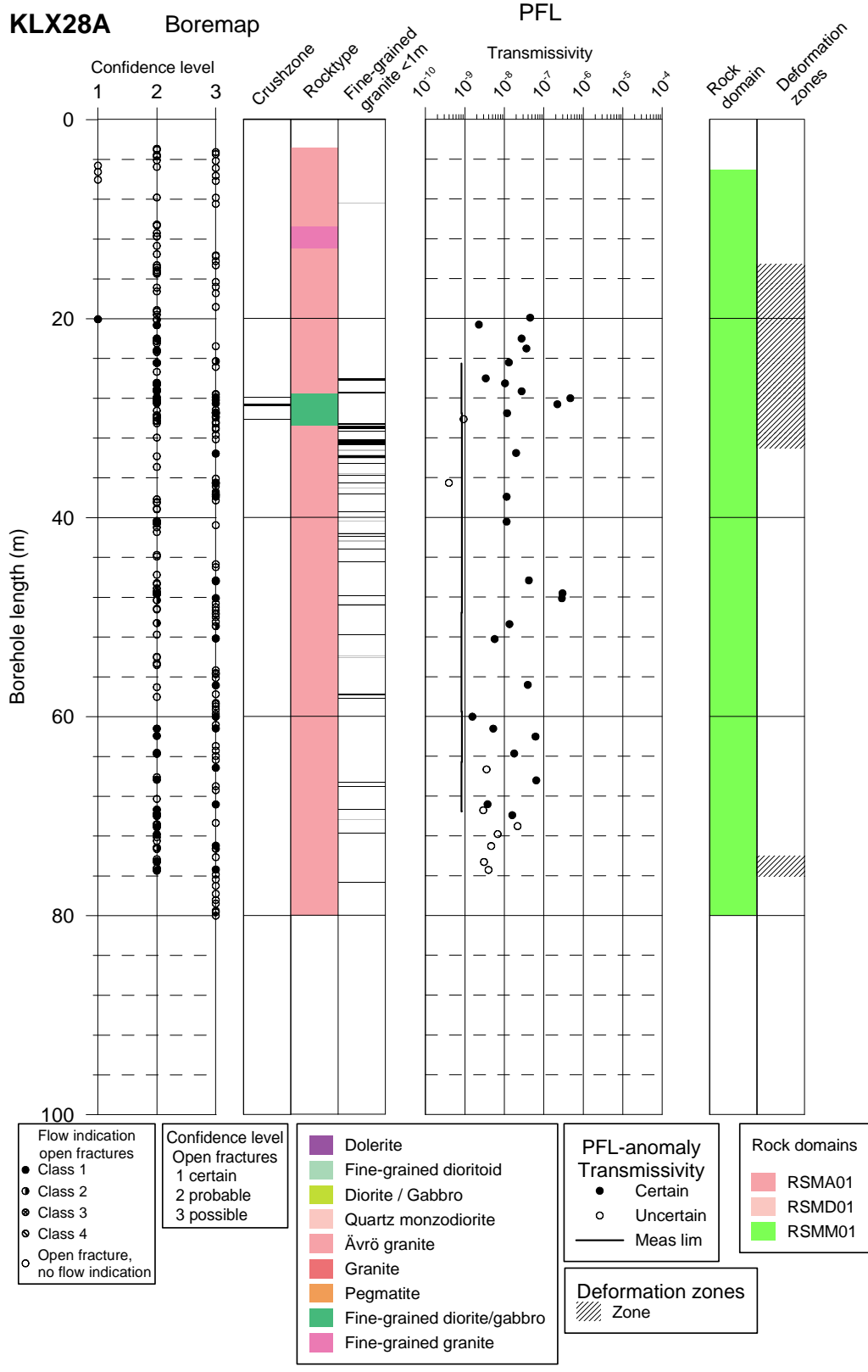
| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|--|
| 47a | Bh-length (m) = 634.6 T (m ² /s) = 8.00E-8 PF confidence= Certain | Adjusted secup (m) = 634.449 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 |  |
| 47b | | Adjusted secup (m) = 634.732 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |
| 48a | Bh-length (m) = 641.8 T (m ² /s) = 2.60E-6 PF confidence= Certain | Adjusted secup (m) = 641.773 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 |  |
| 48b | | Adjusted secup (m) = 641.847 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |

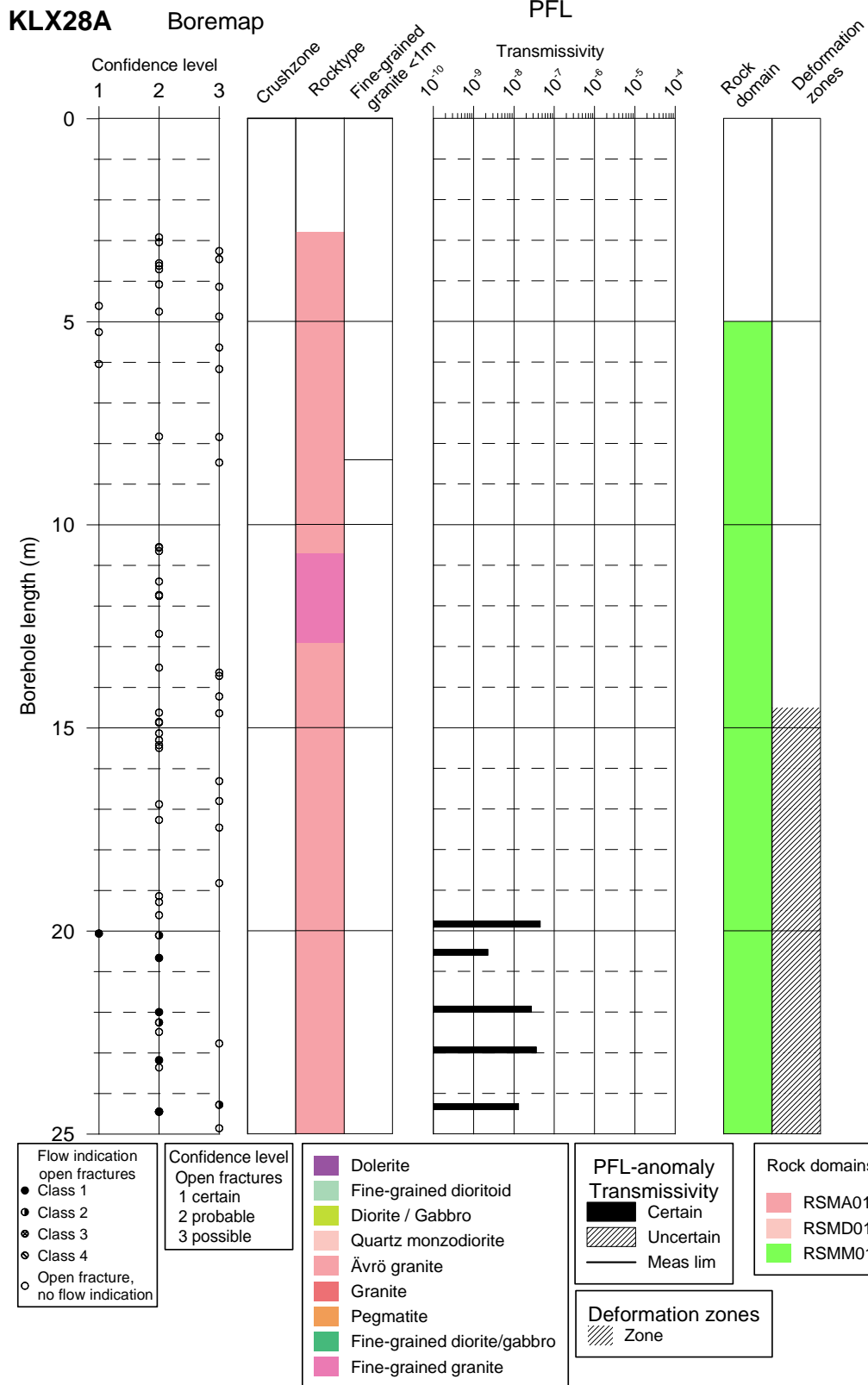
Table A9-40. KLX27A. Interpretation of PFL measurements and BOREMAP data

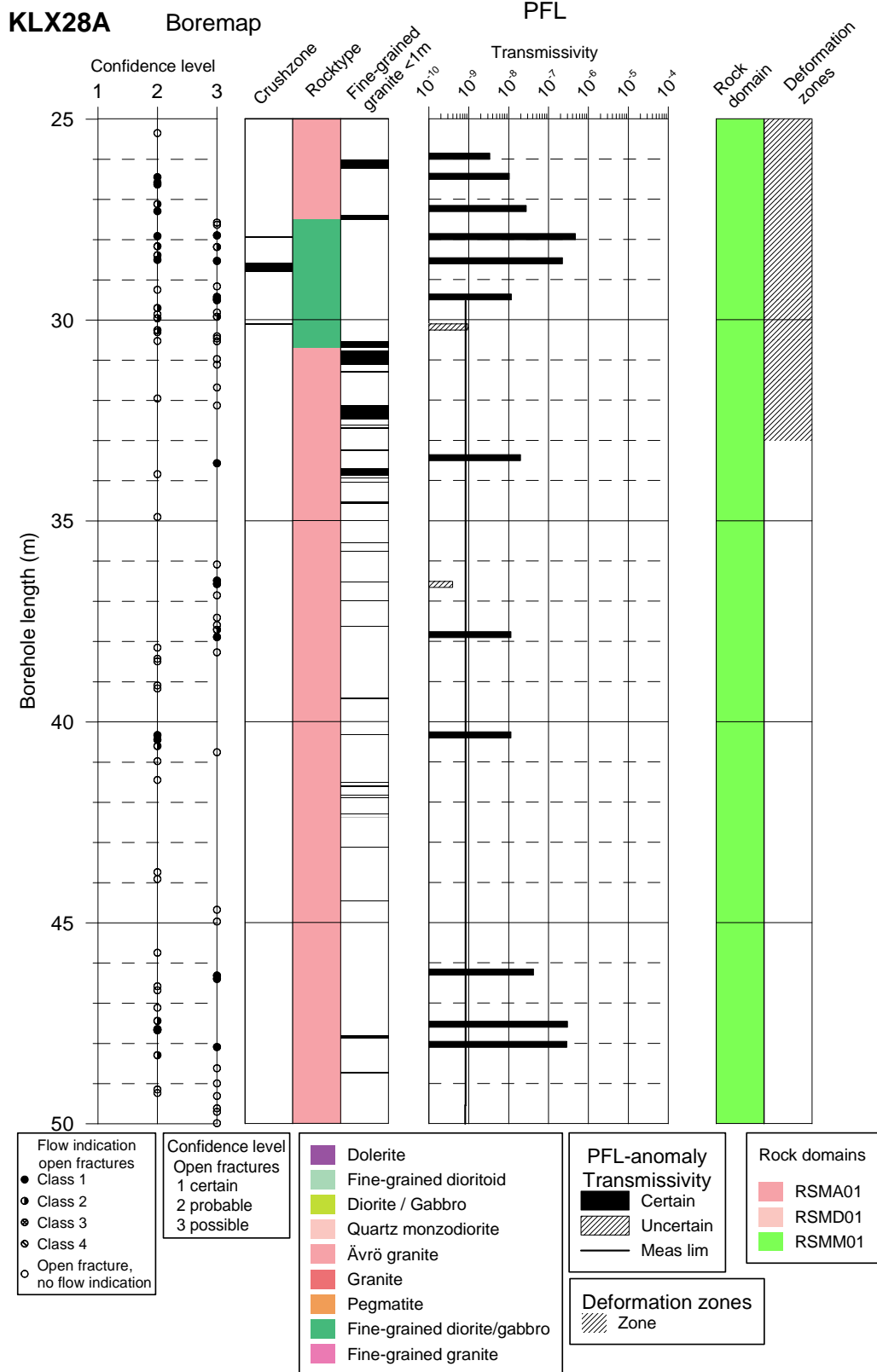
| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|--|
| 49a | Bh-length (m) = 642.4 T (m ² /s) = 4.90E-7 PF confidence= Certain | Adjusted secup (m) = 642.287 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 2 |  |
| 49b | | Adjusted secup (m) = 642.327 Fract_interpret / Varcodes= Partly open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 50a | Bh-length (m) = 643.3 T (m ² /s) = 5.20E-7 PF confidence= Certain | Adjusted secup (m) = 643.138 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 Best choice |  |
| 50b | | Adjusted secup (m) = 643.386 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |

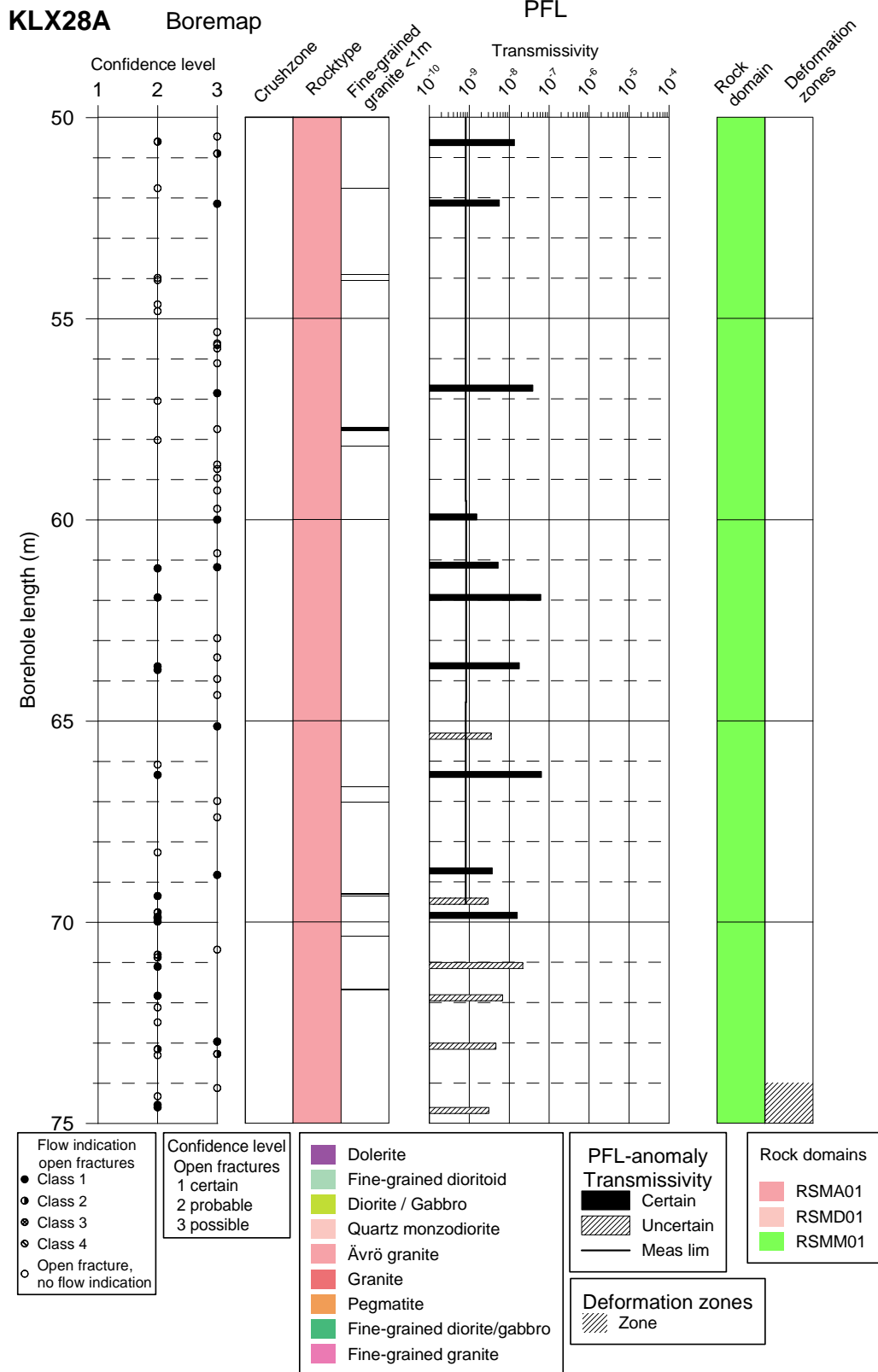
Appendix 10 – KLX28A

In this appendix plots showing Flow log anomalies to core mapped features in KLX28A for every 25 meters of the borehole are found. BIPS images of PFL anomalies are also found.









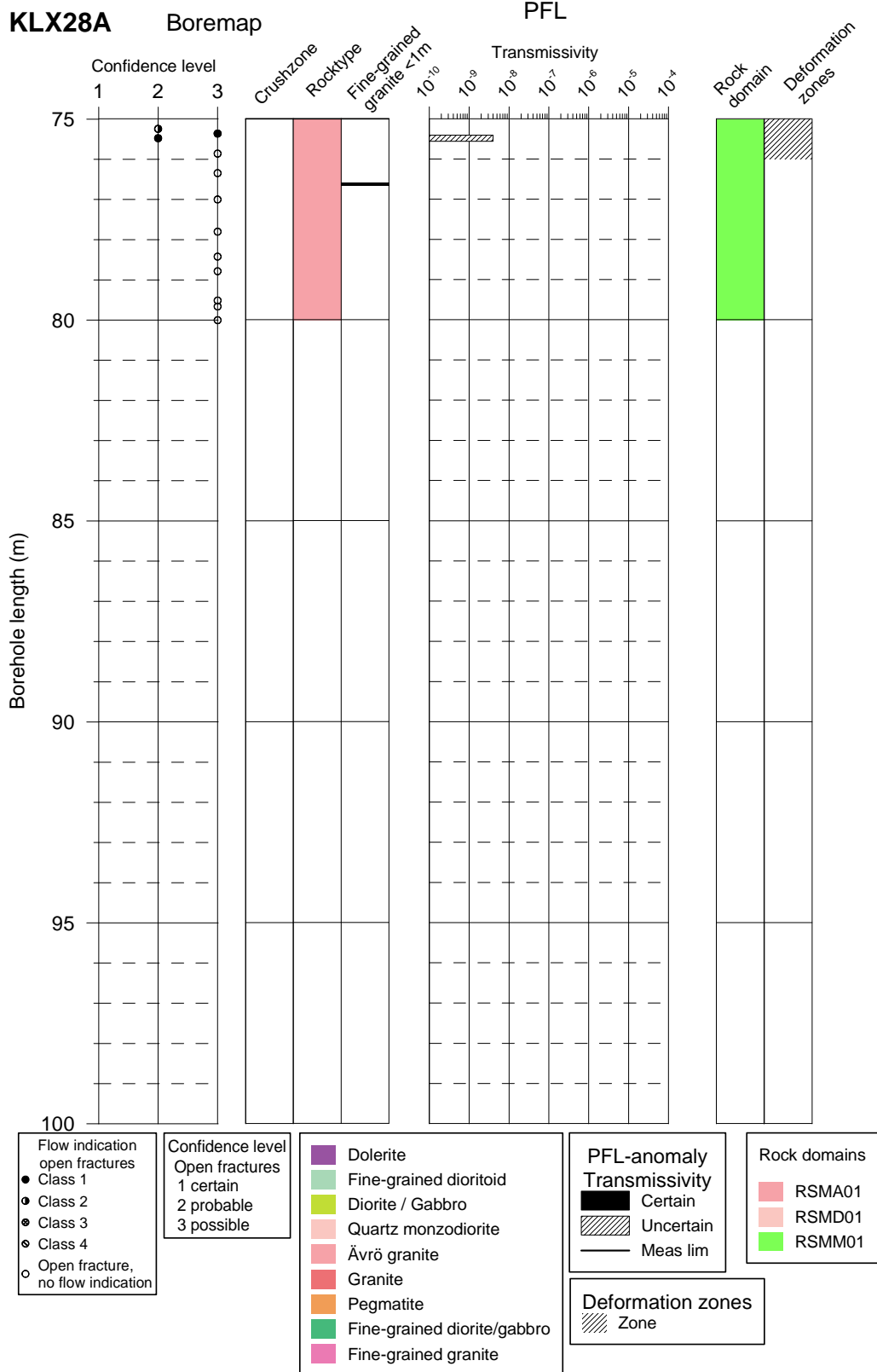


Table A10-1. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 1a | Bh-length (m) = 19.9 T (m ² /s) = 4.51E-8 PFL confidence= Certain | Adjusted secup (m) = 20.0600 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 1b | | Adjusted secup (m) = 20.1050 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |

Table A10-2. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 2 | Bh-length (m) = 20.6 T (m ² /s) = 2.26E-9 PFL confidence= Certain | Adjusted secup (m) = 20.6630 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |

Table A10-3. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 3a | Bh-length (m) = 22 T (m ² /s) = 2.73E-8 PFL confidence= Certain | Adjusted secup (m) = 21.9950 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 3b | | Adjusted secup (m) = 22.2500 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

Table A10-4. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|--|
| 4a | Bh-length (m) = 23 $T (m^2/s) = 3.61E-8$ PFL confidence= Certain | Adjusted secup (m) = 23.1800 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | <p>The BIPS image displays a geological cross-section with contour lines. A red arrow points to a specific feature within the contours. The image includes a vertical scale on the right side with values ranging from 214.64 to 347.87. A value of 202.95 is circled in red on the right side of the image.</p> |
| 4b | | Adjusted secup (m) = 24.4470 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

Table A10-5. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 5a | Bh-length (m) = 24.4 T (m ² /s) = 1.30E-8 PFL confidence= Certain | Adjusted secup (m) = 24.2790 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 5b | | Adjusted secup (m) = 24.4470 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |

Table A10-6. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|---|
| 6 | Bh-length (m) = 26 $T (m^2/s) = 3.39E-9$ PFL confidence= Certain | Adjusted secup (m) = 24.4470 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | <p>The BIPS image displays a geological cross-section with a vertical scale on the left ranging from 25,725 to 26,520. A red arrow points to a feature in the upper-middle section. On the right side, there is a data column with values such as 053 66, 332 65, 204 52, 042 43, 075 13, 123 22, 110 11, 106 88, 208 76, 143 24, 346 65, 014 00, 226 73, 162 89, 056 93, 353 20, and 351 19.</p> |

Table A10-7. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 7a | Bh-length (m) = 26.5 T (m ² /s) = 1.04E-8 PFL confidence= Certain | Adjusted secup (m) = 26.4440 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 7b | | Adjusted secup (m) = 26.5790 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 7c | | Adjusted secup (m) = 26.6260 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

Table A10-8. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|---|
| 8a | Bh-length (m) = 27.3 T (m ² /s) = 2.74E-8 PFL confidence= Certain | Adjusted secup (m) = 27.1150 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | <p>The BIPS image is a vertical strip showing geological data. It features a grid with latitude coordinates on the left (ranging from 25.030 to 27.730) and elevation values on the right (ranging from 1136.62 to 168.21). A red arrow points to a circled value of 241.81 on the right side of the image.</p> |
| 8b | | Adjusted secup (m) = 27.2910 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |

Table A10-9. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 9a | Bh-length (m) = 28 T (m ² /s) = 4.69E-7 PFL confidence= Certain | Adjusted secup (m) = 27.8940 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 9b | | Adjusted secup (m) = 27.9120 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 9c | | Adjusted secup (m) = 28.1650 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 9d | | Adjusted secup (m) = 28.1820 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 9e | | Adjusted secup (m) = 27.9180 Adjusted seclow (m) = 27.9570 Fract_interpret / Varcodes= crush zone PFL-anom. confidence= 1 | |

Table A10-10. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 10a | Bh-length (m) = 28.6 T (m ² /s) = 2.21E-7 PFL confidence= Certain | Adjusted secup (m) = 28.3870 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 10b | | Adjusted secup (m) = 28.5020 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 10c | | Adjusted secup (m) = 28.5280 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 10d | | Adjusted secup (m) = 28.5640 Adjusted secup (m) = 28.7950 Fract_interpret / Varcodes= crush zone PFL-anom. confidence= 1 | |

Table A10-11. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 11a | Bh-length (m) = 29.5 T (m ² /s) = 1.17E-8 PFL confidence= Certain | Adjusted secup (m) = 29.4240 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 11b | | Adjusted secup (m) = 29.4740 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 11c | | Adjusted secup (m) = 29.5060 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 11d | | Adjusted secup (m) = 29.7010 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |

Table A10-12. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 12a | Bh-length (m) = 30.1 T (m ² /s) = 9.31E-10 PFL confidence= Uncertain | Adjusted secup (m) = 29.9170 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 12b | | Adjusted secup (m) = 29.9540 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |
| 12c | | Adjusted secup (m) = 30.2510 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 12c | | Adjusted secup (m) = 30.0800 Adjusted secup (m) = 30.1200 Fract_interpret / Varcodes= crush zone PFL-anom. confidence= 1 | |

Table A10-13. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|--|
| 13 | Bh-length (m) = 33.5 T (m ² /s) = 1.98E-8 PFL confidence= Certain | Adjusted secup (m) = 33.5630 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | <p>The BIPS image displays a geological cross-section with various layers and features. A red arrow points to a specific feature in the middle section. A value of 321.10 is circled in red on the right side of the image. The image includes a vertical scale on the left and a horizontal scale at the top with labels D, L, U, R, D. Numerical values are listed on the right side of the image, including 278.91, 196.39, 196.39, 238.69, 238.69, 267.88, 321.10, 132.39, 132.38, 145.24, 141.20, 133.23, 144.22, 163.55, 199.26, 199.26, 147.45, and 176.70.</p> |

Table A10-14. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 14a | Bh-length (m) = 36.5 T (m ² /s) = 3.94E-10 PFL confidence= Uncertain | Adjusted secup (m) = 36.4860 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |
| 14b | | Adjusted secup (m) = 36.5680 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A10-15. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 15a | Bh-length (m) = 37.9 T (m ² /s) = 1.14E-8 PFL confidence= Certain | Adjusted secup (m) = 37.7070 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 15b | | Adjusted secup (m) = 37.8900 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |

Table A10-16. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 16a | Bh-length (m) = 40.4 T (m ² /s) = 1.14E-8 PFL confidence= Certain | Adjusted secup (m) = 40.3280 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 16b | | Adjusted secup (m) = 40.4460 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 16c | | Adjusted secup (m) = 40.6000 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |

Table A10-17. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 17a | Bh-length (m) = 46.3 T (m ² /s) = 4.19E-8 PF confidence= Certain | Adjusted secup (m) = 46.3130 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |
| 17b | | Adjusted secup (m) = 46.3930 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |

Table A10-18. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 18a | Bh-length (m) = 47.6 T (m ² /s) = 2.98E-7 PF confidence= Certain | Adjusted secup (m) = 47.4390 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 18b | | Adjusted secup (m) = 47.6440 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 18c | | Adjusted secup (m) = 47.6680 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 18d | | Adjusted secup (m) = 47.6690 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

Table A10-19. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 19a | Bh-length (m) = 48.1 T (m ² /s) = 2.87E-7 PF confidence= Certain | Adjusted secup (m) = 48.0890 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 19b | | Adjusted secup (m) = 48.2920 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |

Table A10-20. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 20a | Bh-length (m) = 50.7 T (m ² /s) = 1.35E-8 PF confidence= Certain | Adjusted secup (m) = 50.5990 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |
| 20b | | Adjusted secup (m) = 50.8940 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |

Table A10-21. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|--|
| 21 | Bh-length (m) = 52.2 T (m ² /s) = 5.68E-9 PF confidence= Certain | Adjusted secup (m) = 52.1420 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | <p>The BIPS image is a vertical cross-section of a geological formation. It shows several distinct layers with varying textures and colors, ranging from dark green to light brown. A red arrow points to a specific feature within the formation, which is circled in red. The image is labeled with 'D', 'L', 'U', 'R', and 'D' at the top, indicating different geological units or directions. On the right side, there are numerical labels for various depths or elevations, including 1027.49, 330.70, 044.40, 103.34, 304.66, 302.66, 349.27, 158.16, 159.16, 013.59, 158.19, 150.19, 087.20, 076.34, and 102.678.</p> |

Table A10-22. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|--|
| 22 | Bh-length (m) = 56.8 T (m ² /s) = 3.92E-8 PF confidence= Certain | Adjusted secup (m) = 56.8500 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | <p>The BIPS image is a vertical cross-section of a geological site. It features a grid with elevation markers on the left (ranging from 56.492 to 57.335) and various data points on the right (ranging from 1172.79 to 062.67). A red arrow points to a specific feature in the upper right quadrant. A value of 350.13 is circled in red on the right side of the image.</p> |

Table A10-23. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 23 | Bh-length (m) = 60 T (m ² /s) = 1.55E-9 PF confidence= Certain | Adjusted secup (m) = 59.9930 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |

Table A10-24. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 24a | Bh-length (m) = 61.2 T (m ² /s) = 5.23E-9 PF confidence= Certain | Adjusted secup (m) = 61.1750 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 24b | | Adjusted secup (m) = 61.2040 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |

Table A10-25. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 25 | Bh-length (m) = 62 T (m ² /s) = 6.16E-8 PF confidence= Certain | Adjusted secup (m) = 61.9280 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |

Table A10-26. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|--|
| 26a | Bh-length (m) = 63.7 T (m ² /s) = 1.78E-8 PF confidence= Certain | Adjusted secup (m) = 63.6390 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | <p>The BIPS image is a vertical cross-section showing geological layers. The vertical axis on the left is labeled with elevations from 63.320 to 64.184. The horizontal axis at the top is labeled with 'D', 'L', 'U', 'R', 'D'. On the right side, there are several numerical values: 214.23, 128.69, 0mm, 069.45, 330.54, 333.54, 068.45, 334.53, 1mm, 333.54, 332.52, 342.53, 343.53, 022.39, 335.54, 330.55, 343.53, 088.23, 0mm, 070.24, 0mm, 051.10, 0mm, 087.14, 0mm, 031.26, 0mm. A red arrow points to a feature in the middle of the section, and a red circle highlights the value 335.54.</p> |
| 26b | | Adjusted secup (m) = 63.7270 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |

Table A10-27. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 27 | Bh-length (m) = 65.3 T (m ² /s) = 3.54E-9 PF confidence= Uncertain | Adjusted secup (m) = 65.1300 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |

Table A10-28. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|---|
| 28 | Bh-length (m) = 66.4 T (m ² /s) = 6.43E-8 PF confidence= Certain | Adjusted secup (m) = 66.3360 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | <p>The BIPS image is a vertical cross-section of a geological formation. The vertical axis on the left is labeled with elevation values from 66.011 at the top to 66.058 at the bottom. The horizontal axis at the top is labeled with 'D', 'L', 'U', 'R', 'D'. A red arrow points downwards to a specific feature in the center of the image. A red circle highlights a data point labeled '122 29' on the right side of the image. Other labels on the right side include '034 64', '034 64', '054 84', and '054 84'.</p> |

Table A10-29. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 29 | Bh-length (m) = 68.8 T (m ² /s) = 3.76E-9 PF confidence= Certain | Adjusted secup (m) = 68.8220 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |

Table A10-30. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 30 | Bh-length (m) = 69.4 T (m ² /s) = 2.92E-9 PF confidence= Uncertain | Adjusted secup (m) = 69.3470 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |

Table A10-31. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|------------|
| 31a | Bh-length (m) = 69.9 T (m ² /s) = 1.58E-8 PF confidence= Certain | Adjusted secup (m) = 69.7520 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 31b | | Adjusted secup (m) = 69.8660 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 31c | | Adjusted secup (m) = 69.8950 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 31d | | Adjusted secup (m) = 69.9780 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |

Table A10-32. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|------------|
| 32a | Bh-length (m) = 71 T (m ² /s) = 2.16E-8 PF confidence= Uncertain | Adjusted secup (m) = 70.8060 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 32b | | Adjusted secup (m) = 70.8720 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 32c | | Adjusted secup (m) = 71.1020 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |

Table A10-33. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|--|
| 33 | Bh-length (m) = 71.8 T (m ² /s) = 6.77E-9 PF confidence= Uncertain | Adjusted secup (m) = 71.8260 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | <p>The BIPS image is a vertical cross-section of a geological site. It shows several distinct layers of varying colors and textures, representing different geological units. A red arrow points to a specific feature within the upper layers, which is labeled with the number '111.84' in a red circle. The image is overlaid with a grid of latitude and longitude coordinates. The vertical axis (latitude) ranges from 71.474 to 72.317. The horizontal axis (longitude) is marked with 'D', 'L', 'U', 'R', and 'D' at the top. On the right side, there are several numerical labels: 263.72, 249.77, 249.97, 249.75, 247.73, 327.52, 300m, 111.84, 000m, 208.76, 015.60, 000m, 300m, 318.57, 203.13, 000m, 327.60, and 200m.</p> |

Table A10-34. KLX28A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 34a | Bh-length (m) = 73 T (m ² /s) = 4.65E-9 PF confidence= Uncertain | Adjusted secup (m) = 72.9650 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 34b | | Adjusted secup (m) = 73.1540 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |
| 34c | | Adjusted secup (m) = 73.2710 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |

Table A10-35. KLX28A. Interpretation of PFL measurements and BOREMAP data

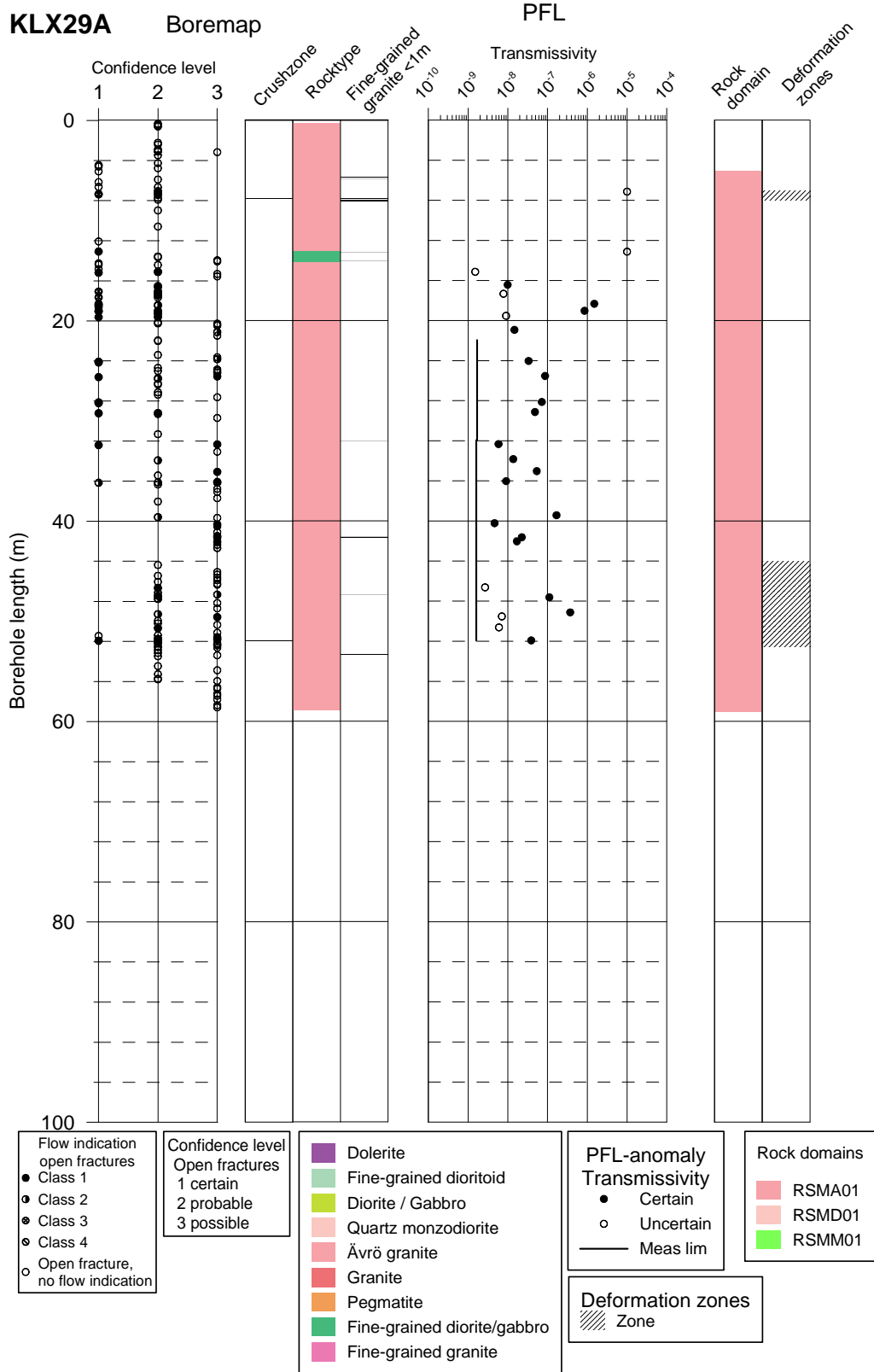
| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 35a | Bh-length (m) = 74.6 T (m ² /s) = 3.05E-9 PF confidence= Uncertain | Adjusted secup (m) = 74.5370 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 35b | | Adjusted secup (m) = 74.5970 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

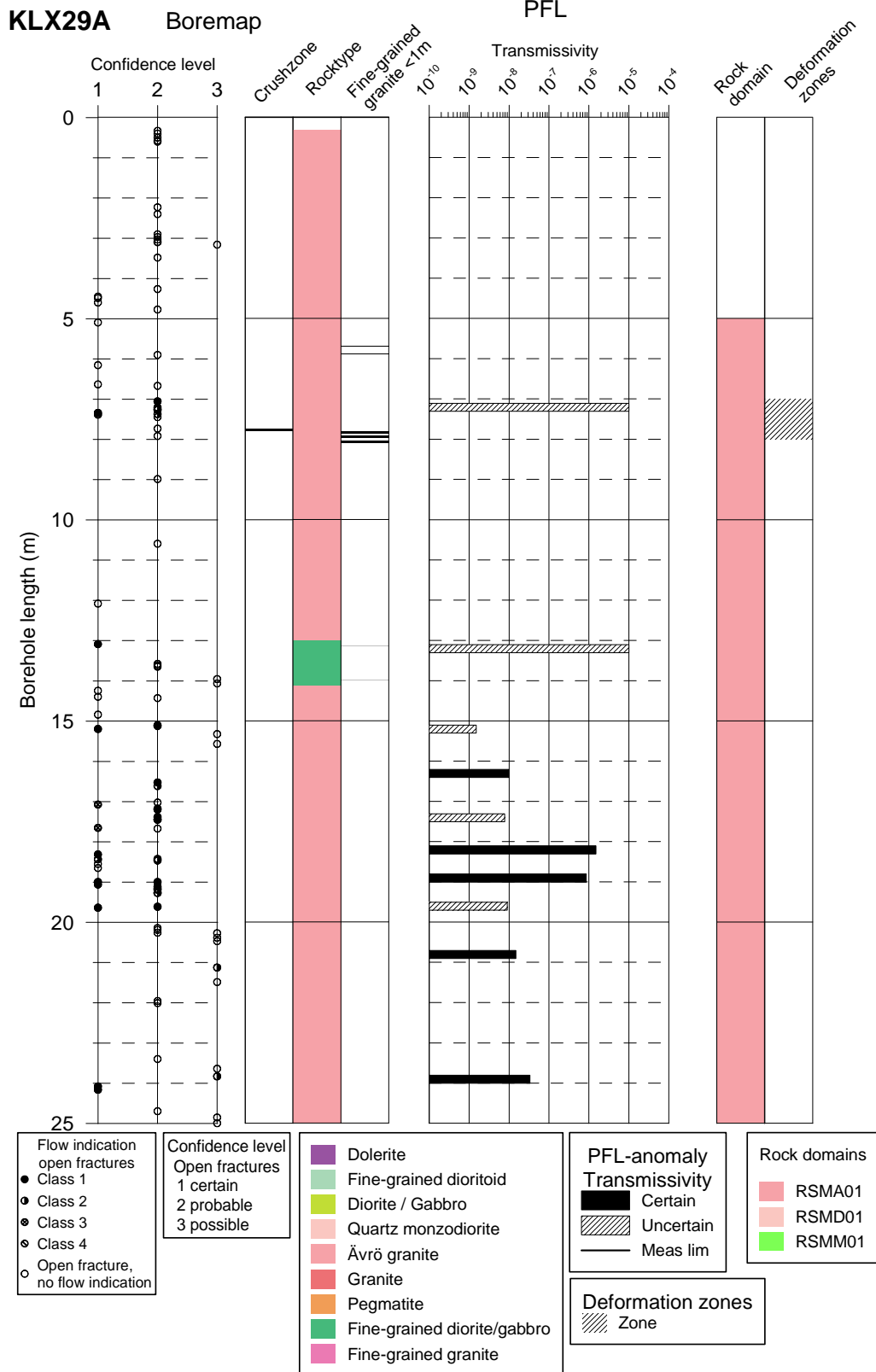
Table A10-36. KLX28A. Interpretation of PFL measurements and BOREMAP data

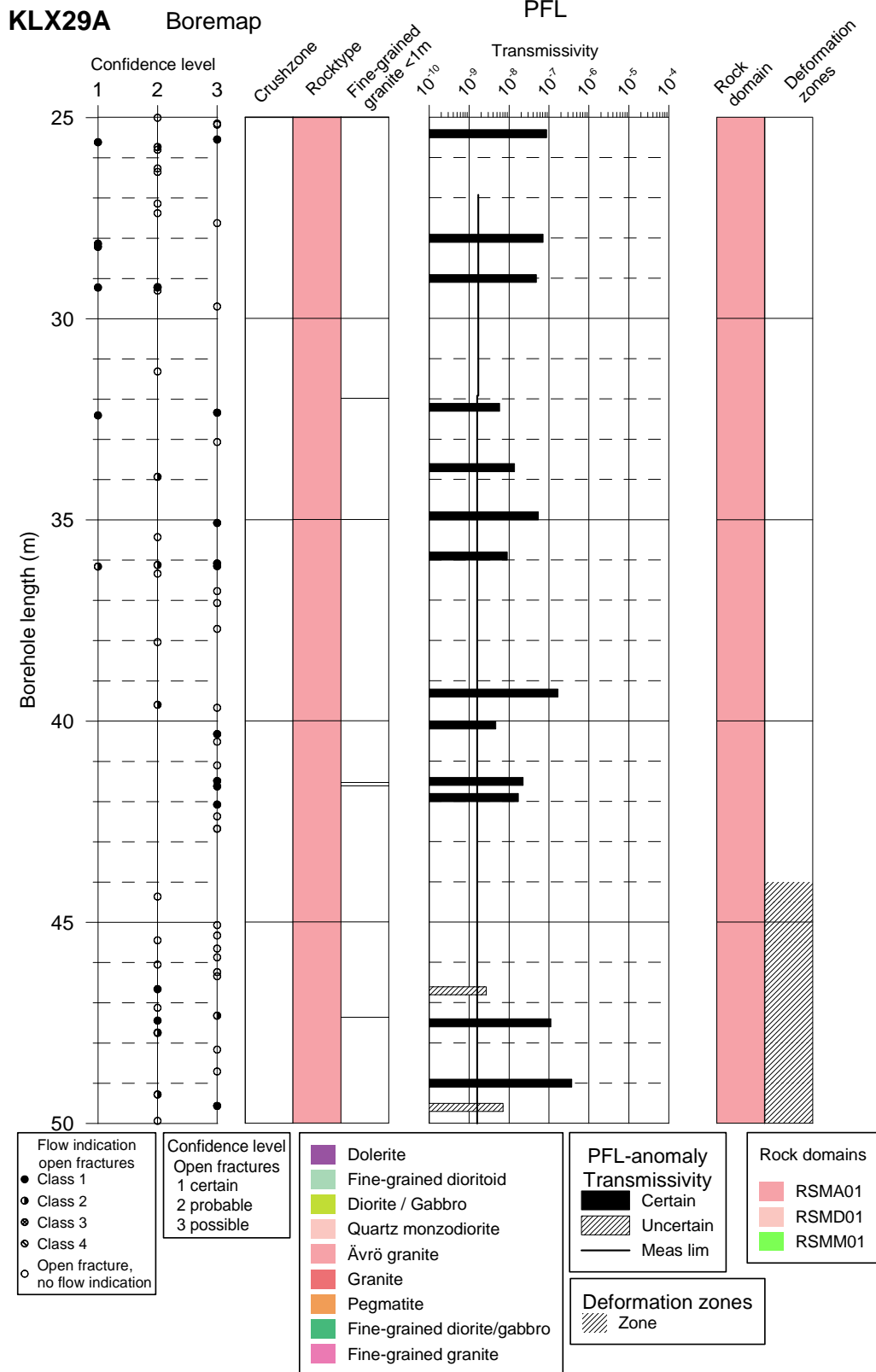
| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 36a | Bh-length (m) = 75.4 T (m ² /s) = 3.98E-9 PF confidence= Uncertain | Adjusted secup (m) = 75.2430 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 36b | | Adjusted secup (m) = 75.3600 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 36c | | Adjusted secup (m) = 75.4750 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |

Appendix 11 – KLX29A

In this appendix plots showing Flow log anomalies to core mapped features in KLX29A for every 25 meters of the borehole are found. BIPS images of PFL anomalies are also found.







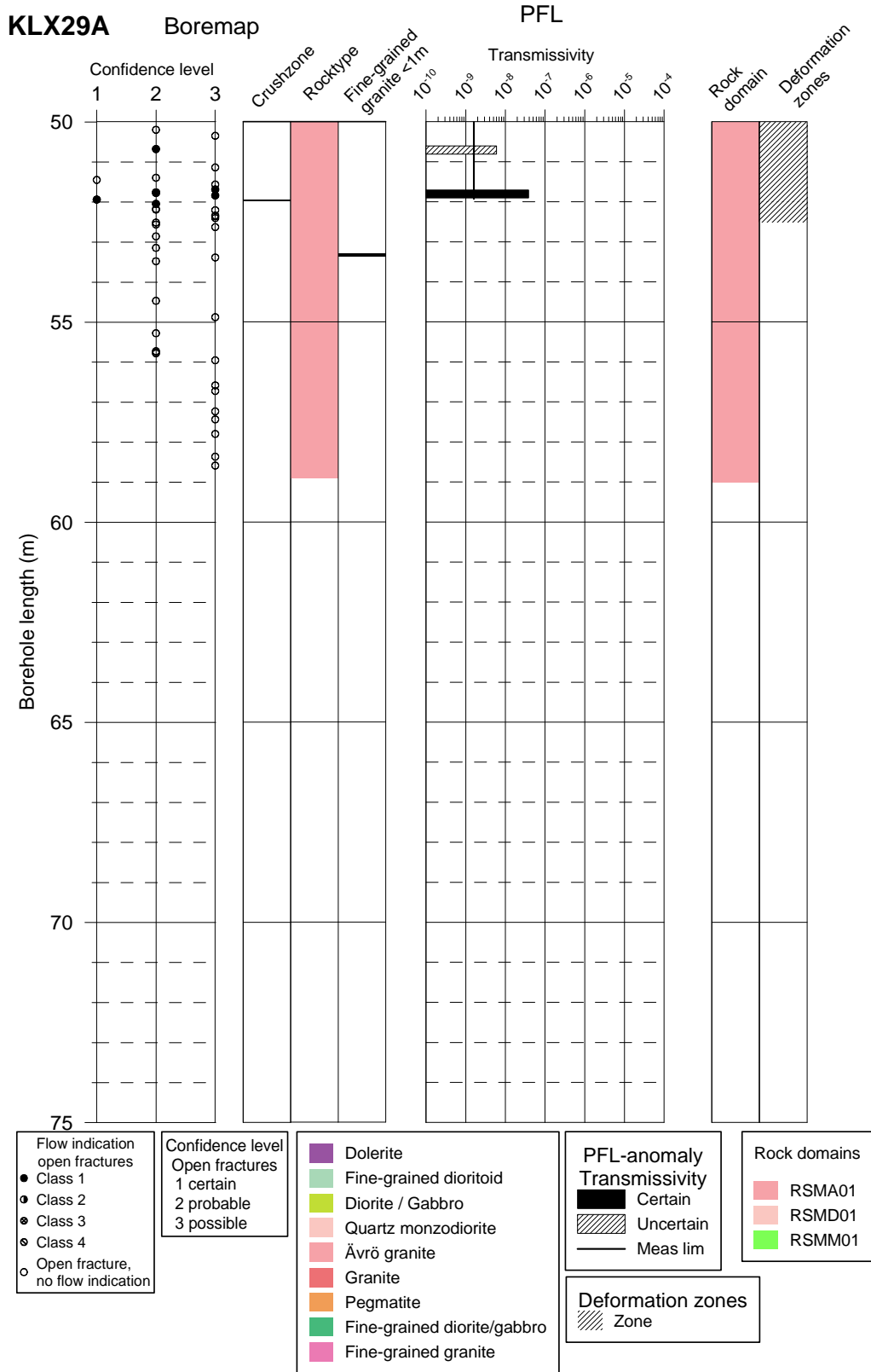


Table A11-1. KLX29A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 1a | Bh-length (m) = 7.1 T (m ² /s) = 1.0E-9 PFL confidence= Uncertain | Adjusted secup (m) = 7.0530 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 1b | | Adjusted secup (m) = 7.2050 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 1c | | Adjusted secup (m) = 7.2470 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 1d | | Adjusted secup (m) = 7.2650 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

Table A11-2. KLX29A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 1e | Bh-length (m) = 7.1 T (m ² /s) = 1.0E-9 PFL confidence= Uncertain | Adjusted secup (m) = 7.3390 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 3 Best choice | |
| 1f | | Adjusted secup (m) = 7.3700 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 1g | | Adjusted secup (m) = 7.3840 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 3 | |

Table A11-3. KLX29A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|---|
| 2 | Bh-length (m) = 13.1 T (m ² /s) = 1.0E-9 PFL confidence= Uncertain | Adjusted secup (m) = 13.0880 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | <p>The BIPS image displays a vertical cross-section of a borehole. The vertical axis represents depth in meters, ranging from 12,680 at the top to 13,520 at the bottom. The horizontal axis is labeled with 'D', 'L', 'U', 'R', and 'D' from left to right. A red arrow points to a dark, irregular feature at a depth of approximately 13,080 meters. On the right side of the image, several numerical values are listed: 100.31, 099.28, 241.33, 136.28 (circled in red), 082.32, 147.37, and 223.89. The unit 'Umm' is indicated below the 082.32 value.</p> |

Table A11-4. KLX29A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 3a | Bh-length (m) = 15.1 T (m ² /s) = 1.51E-9 PFL confidence= Uncertain | Adjusted secup (m) = 15.0990 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 3b | | Adjusted secup (m) = 15.1230 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 3c | | Adjusted secup (m) = Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |

Table A11-5. KLX29A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 4a | Bh-length (m) = 16.4 T (m ² /s) = 9.89E-9 PFL confidence= Certain | Adjusted secup (m) = 16.5250 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 4b | | Adjusted secup (m) = 16.6130 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |

Table A11-6. KLX29A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 5a | Bh-length (m) = 17.3 T (m ² /s) = 7.76E-9 PFL confidence= Uncertain | Adjusted secup (m) = 17.0730 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 3 Best choice | |
| 5b | | Adjusted secup (m) = 17.1760 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 5c | | Adjusted secup (m) = 17.1990 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 5d | | Adjusted secup (m) = 17.3830 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

Table A11-7. KLX29A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 5e | Bh-length (m) = 17.3 T (m ² /s) = 7.76E-9 PFL confidence= Uncertain | Adjusted secup (m) = 17.4440 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 5f | | Adjusted secup (m) = 17.4520 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 5g | | Adjusted secup (m) = 17.6530 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 3 | |

Table A11-8. KLX29A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 6a | Bh-length (m) = 18.3 T (m ² /s) = 1.50E-6 PFL confidence= Certain | Adjusted secup (m) = 18.3130 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |
| 6b | | Adjusted secup (m) = 18.4260 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 6c | | Adjusted secup (m) = 18.4350 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 2 | |
| 6d | | Adjusted secup (m) = 18.4650 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |

Table A11-9. KLX29A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 7a | Bh-length (m) = 19 T (m ² /s) = 8.51E-7 PFL confidence= Certain | Adjusted secup (m) = 18.9980 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |
| 7b | | Adjusted secup (m) = 18.9990 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 7c | | Adjusted secup (m) = 19.0610 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 7d | | Adjusted secup (m) = 19.1140 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

Table A11-10. KLX29A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 7e | Bh-length (m) = 19 T (m ² /s) = 8.51E-7 PFL confidence= Certain | Adjusted secup (m) = 19.1610 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 7f | | Adjusted secup (m) = 19.1890 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 7g | | Adjusted secup (m) = 19.2690 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |

Table A11-11. KLX29A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 8a | Bh-length (m) = 19.5 T (m ² /s) = 9.03E-9 PFL confidence= Uncertain | Adjusted secup (m) = 19.2690 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |
| 8b | | Adjusted secup (m) = 19.6130 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 8c | | Adjusted secup (m) = 19.6370 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |

Table A11-12. KLX29A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 9 | Bh-length (m) = 20.9 T (m ² /s) = 1.47E-8 PFL confidence= Certain | Adjusted secup (m) = 21.1240 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 Best choice | |

Table A11-13. KLX29A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 10a | Bh-length (m) = 24 $T (m^2/s) = 3.33E-8$ PFL confidence= Certain | Adjusted secup (m) = 23.8290 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 10b | | Adjusted secup (m) = 24.0780 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 10c | | Adjusted secup (m) = 24.1620 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |

Table A11-14. KLX29A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 11a | Bh-length (m) = 25.5 T (m ² /s) = 8.64E-8 PFL confidence= Certain | Adjusted secup (m) = 25.5460 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 11b | | Adjusted secup (m) = 25.6140 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |
| 11c | | Adjusted secup (m) = 25.7320 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |

Table A11-15. KLX29A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|---|
| 12a | Bh-length (m) = 28.1 T (m ² /s) = 7.15E-8 PFL confidence= Certain | Adjusted secup (m) = 28.1360 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | <p>The BIPS image displays a geological cross-section with contour lines. A red arrow points to a specific feature. Two data points are circled in red: 234.47 and 250.34. The image includes a vertical scale on the left (27.760 to 28.600) and a horizontal scale at the top (D, L, U, R, D). Data points on the right include 264.56, 179.88, 179.88, 180.88, 335.48, 160.20 (0mm), 122.45 (1mm), and 294.54 (0mm).</p> |
| 12b | | Adjusted secup (m) = 28.2120 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 | |

Table A11-16. KLX29A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 13a | Bh-length (m) = 29.1 T (m ² /s) = 4.82E-8 PFL confidence= Certain | Adjusted secup (m) = 29.2150 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 13b | | Adjusted secup (m) = 29.2230 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 13c | | Adjusted secup (m) = 29.2240 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |

Table A11-17. KLX29A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|---|------------|
| 14a | Bh-length (m) = 32.3 T (m ² /s) = 5.84E-9 PFL confidence= Certain | Adjusted secup (m) = 32.3350 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 14b | | Adjusted secup (m) = 32.4030 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |

Table A11-18. KLX29A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 15 | Bh-length (m) = 33.8 T (m ² /s) = 1.37E-8 PFL confidence= Certain | Adjusted secup (m) = 33.9300 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |

Table A11-19. KLX29A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|--|--|------------|
| 16 | Bh-length (m) = 35 T (m ² /s) = 5.35E-8 PFL confidence= Certain | Adjusted secup (m) = 35.0750 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |

Table A11-20. KLX29A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 17a | Bh-length (m) = 36 T (m ² /s) = 9.05E-9 PF confidence= Certain | Adjusted secup (m) = 36.0810 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 17b | | Adjusted secup (m) = 36.1190 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |
| 17c | | Adjusted secup (m) = 36.1480 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 17d | | Adjusted secup (m) = 36.1590 Fract_interpret / Varcod= partly open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 2 | |

Table A11-21. KLX29A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 18 | Bh-length (m) = 39.4 T (m ² /s) = 1.68E-7 PF confidence= Certain | Adjusted secup (m) = 39.5940 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 Best choice | |

Table A11-22. KLX29A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|------------|
| 19 | Bh-length (m) = 40.2 T (m ² /s) = 4.63E-9 PF confidence= Certain | Adjusted secup (m) = 40.3220 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |

Table A11-23. KLX29A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 20a | Bh-length (m) = 41.6 T (m ² /s) = 2.25E-8 PF confidence= Certain | Adjusted secup (m) = 41.4870 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice Adjusted secup (m) = 41.6220 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 20b | | | |

Table A11-24. KLX29A. Interpretation of PFL measurements and BOREMAP data

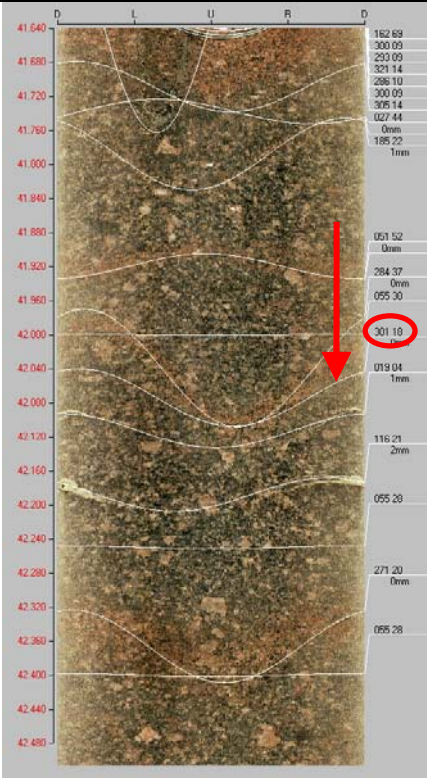
| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|---|
| 21 | Bh-length (m) = 42 T (m ² /s) = 1.69E-8 PF confidence= Certain | Adjusted secup (m) = 42.0740 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice |  |

Table A11-25. KLX29A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|---|
| 22 | Bh-length (m) = 46.6 T (m ² /s) = 2.68E-9 PF confidence= Uncertain | Adjusted secup (m) = 46.6610 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | <p>The BIPS image is a vertical cross-section showing geological features. The vertical axis represents elevation in meters, ranging from 46,160 at the top to 47,000 at the bottom. The horizontal axis is labeled with 'D', 'L', 'U', 'R', and 'D'. A red arrow points to a feature at approximately 46,520 meters elevation. A red circle highlights a data point labeled '122.81' at approximately 46,660 meters elevation. Other data points are labeled on the right side of the image, including 267.57, 056.29, 236.07, 280.24, 284.23, 032.77, 122.88, 030.59, and 239.12.</p> |

Table A11-26. KLX29A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 23a | Bh-length (m) = 47.6 T (m ² /s) = 1.11E-7 PF confidence= Certain | Adjusted secup (m) = 47.3200 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 | |
| 23b | | Adjusted secup (m) = 47.4430 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 23c | | Adjusted secup (m) = 47.7390 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |
| 23d | | Adjusted secup (m) = 47.7490 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 2 | |

Table A11-27. KLX29A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|--|------------|
| 24 | Bh-length (m) = 49.1 T (m ² /s) = 3.71E-7 PF confidence= Certain | Adjusted secup (m) = 49.2800 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 2 Best choice | |

Table A11-28. KLX29A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|------------|
| 25 | Bh-length (m) = 49.5 T (m ² /s) = 7.06E-9 PF confidence= Uncertain | Adjusted secup (m) = 49.5620 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 Best choice | |

Table A11-29. KLX29A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|------------|
| 26a | Bh-length (m) = 50.6 T (m ² /s) = 5.99E-9 PF confidence= Uncertain | Adjusted secup (m) = 50.6750 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 Best choice | |
| 26b | | Adjusted secup (m) = 51.7620 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 26c | | Adjusted secup (m) = 51.7680 Fract_interpret / Varcode= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |

Table A11-30. KLX29A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|------------|
| 27a | Bh-length (m) = 51.9 T (m ² /s) = 3.87E-8 PF confidence= Certain | Adjusted secup (m) = 51.6860 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 27b | | Adjusted secup (m) = 51.7620 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 27c | | Adjusted secup (m) = 51.7680 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 27d | | Adjusted secup (m) = 51.8360 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Possible PFL-anom. confidence= 1 | |
| 27e | | Adjusted secup (m) = 51.9370 Fract_interpret / Varcodes= open fr. Frac.interp. confidence= Certain PFL-anom. confidence= 1 Best choice | |

Table A11-31. KLX29A. Interpretation of PFL measurements and BOREMAP data

| PFL anom. No | PFL anom data | Boremap data | BIPS Image |
|--------------|---|---|------------|
| 27f | Bh-length (m) = 51.9 T (m ² /s) = 3.87E-8 PF confidence= Certain | Adjusted secup (m) = 52.0440 Fract_interpret / Varcod= open fr. Frac.interp. confidence= Probable PFL-anom. confidence= 1 | |
| 27g | | Adjusted secup (m) = 51.9470 Adjusted secup (m) = 51.9820 Fract_interpret / Varcod= crush zone PFL-anom. confidence= 1 Best choice crush | |