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Boremap mapping of telescopic drilled borehole KLX27A

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Keywords: KLX27A, Geology, Drill core mapping, Boremap, Fractures, BIPS, Laxemar.

Abstract

This report presents the Boremap mapping of KLX27A, which is a c. 650 m long telescopic core drilled borehole. The borehole was drilled with the orientation 0.7/–65°. The mapping was conducted between 2007-12-12 and 2008-01-10.

The documentation of geological structures and lithologies intersecting borehole KLX27A was made using the drill core and BIPS-images. Geological structures are correctly oriented in space along the borehole with the Boremap system.

The lithology in KLX27A (Table 5-1) is dominated by quartz monzodiorite (501036). Subordinate rock types comprise fine-grained diorite-gabbro (505102) and fine-grained granite (511058).

Seven sections have been highlighted based on increased fracture frequencies, alterations and structural features. These sections cover the following intervals: 105.9–109.8 m, 167.9–167.5 m, 208.5–254.0 m, 337.4–340.0 m, 370.5–375.0 m, 595.2–596.6 m and 634.9–644.8 m.

Sammanfattning

Denna rapport presenterar boremapkarteringen av KLX27A som är ett ca 650 meter långt kärnborrhål. Borrhålet borrades med orienteringen 0.7/–65° och karterades mellan 2007-12-12 och 2008-01-10.

Dokumentationen av geologiska strukturer och litologi som genomskär borrhål KLX27A har utförts med borrkärna och BIPS-bilder. Geologiska strukturer har orienterats i rummet längs med borrhålet med Boremap systemet.

KLX27A domineras av kvartsmonzodiorit (501036). Underordnade bergarter utgörs av finkornig diorit-gabbro (505102) och finkornig granit (511058).

Sju sektioner i KLX27A kan urskiljas baserat på förhöjd sprickfrekvens, bergets omvandlingar och geologiska strukturer. Dessa sektioner återfinns i följande intervall: 105,9–109,8 m, 167,9–167,5 m, 208,5–254,0 m, 337,4–340,0 m, 370,5–375,0 m, 595,2–596,6 m och 634,9–644,8 m.

Contents

1 Introduction

This report gives a brief presentation of the data gained from the mapping of KLX27A in the Laxemar area, which is one of the activities performed within the site investigation at Oskarshamn. The work was carried out in accordance with activity plan AP PS 400-07-070. In Table 1-1 controlling documents for performing this activity are listed. Both activity plan and method descriptions are SKB's internal controlling documents. Rock type nomenclature that has been used is shown in Table 1-2.

SKB investigates two potential sites for a deep repository for nuclear waste in the Swedish Precambrian basement at approximately 500 m depth. These places are Forsmark in northern Uppland and Oskarshamn in eastern Småland. In order to make a preliminary evaluation of the rock mass down to a depth of about 1,000 m at these sites, SKB has initiated a drilling program using core drilled boreholes. Every borehole usually starts with a percussion drilled part the first 100 m, where only drill cuttings are examined together with BIPS, followed by core drilling.

Table 1-1. Controlling documents for the performance of the activity.

Activity plan	**Number**	**Version**
Boremapkartering av KLX27A	AP PS 400-07-070	1.0
Method descriptions	**Number**	**Version**
Nomenklatur vid Boremapkartering	SKB MD 143.008	2.0
Method Description for Boremap mapping	SKB MD 143.006	2.0
Mätsystembeskrivning för Boremap	SKB MD 146.005	1.0
Instruktion: Regler för bergarters benämningar vid platsundersökning i Oskarshamn	SKB MD 132.004	1.0
Instruktion för längdkalibrering vid undersökningar i kärnborrhål	SKB MD 620.010	2.0

Table 1-2. Rock type nomenclature for the site investigation at Oskarshamn.

Rock type	Rock code	Rock description
Dolerite	501027	Dolerite
Fine-grained Götemar granite	531058	Granite, fine-to medium-grained, ("Götemar granite")
Coarse-grained Götemar granite	521058	Granite, coarse-grained, ("Götemar granite")
Fine-grained granite	511058	Granite, fine-to medium-grained
Pegmatite	501061	Pegmatite
Granite	501058	Granite, medium- to coarse-grained
Ävrö granite	501044	Granite to quartz monzodiorite, generally porphyritic
Quartz monzodiorite	501036	Quartz monzonite to monzodiorite, equigranular to weakly porphyritic
Diorite/gabbro	501033	Diorite to gabbro
Fine-grained dioritoid	501030	Intermediate magmatic rock
Fine-grained diorite-gabbro	505102	Mafic rock, fine-grained
Sulphide mineralization	509010	Sulphide mineralization
Sandstone	506007	Sandstone

Borehole KLX27A is situated within the Laxemar area (Figure 1-1). KLX27A is a c. 650 m long telescopic borehole with the orientation 0.7/–65°. Mapping of the borehole was performed between 2007-12-12 and 2008-01-10.

Detailed mapping of the drill cores is essential for a three dimensional modelling of the geology at depth. The mapping is based on the use of BIPS-image (Borehole Image Processing System) of the borehole wall and by the study of the drill core itself. The BIPS-image enables the study of orientations, since the Boremap software calculates strike and dip of planar features such as foliations, rock contacts and fractures.

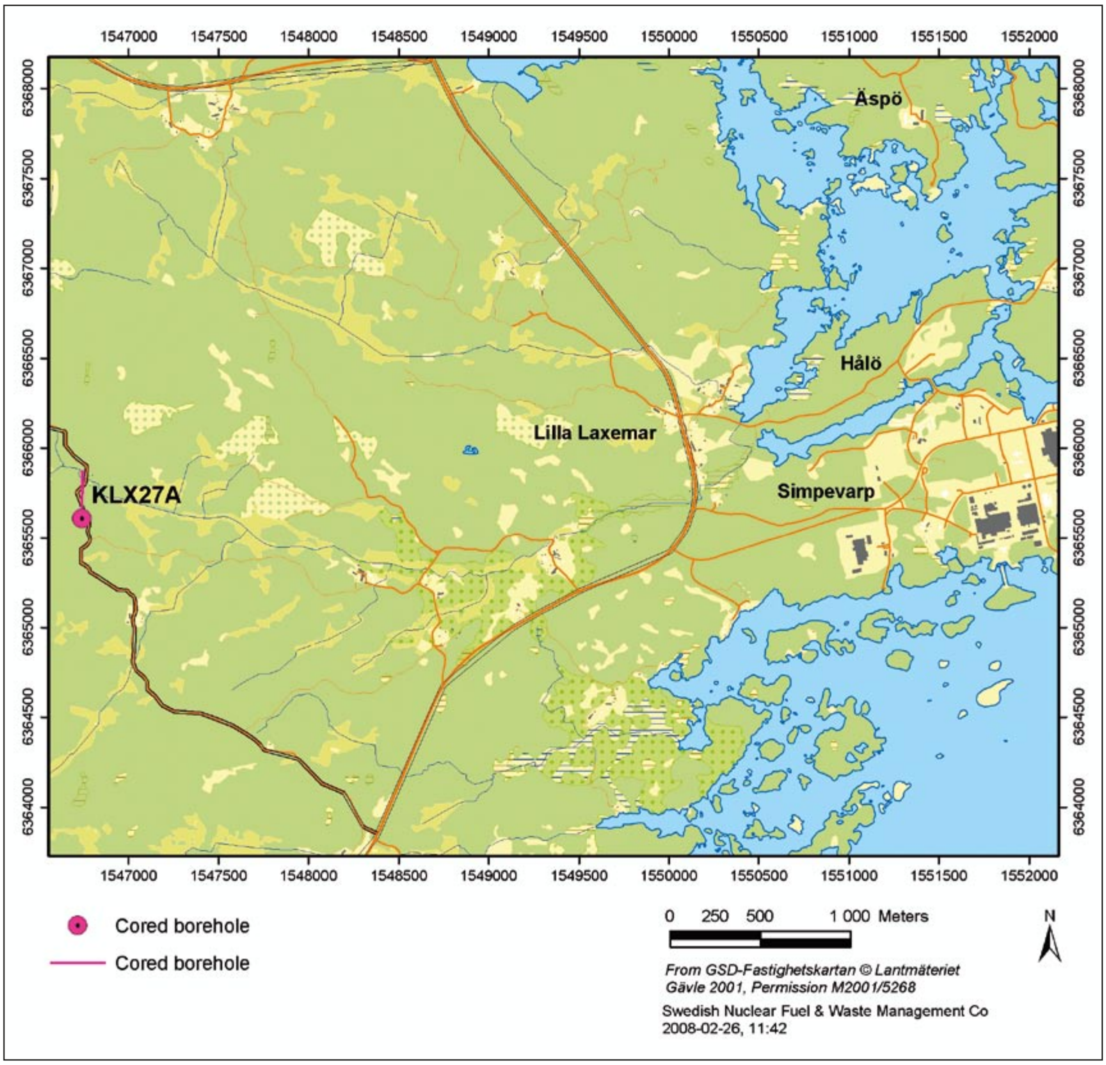


Figure 1-1. *Location of the core drilled borehole KLX27A.*

2 Objective and scope

The principal aim of the mapping activities presented in this report is to obtain a documentation of geological structures and lithologies intersecting borehole KLX27A. Geological structures will be correctly orientated in space along the borehole with the Boremap system. The result will serve as a platform for forthcoming investigations of the drill core, as well as various site descriptive modelling.

3 Equipment

3.1 Description of software

Software used for the mapping of KLX27A was Boremap v.3.9 with bedrock and mineral standards of SKB. The data presentation was made using WellCad v.4, Microsoft Access and Microsoft Excel. Boremap is the software that unites orthodox core mapping with modern video mapping, where Boremap shows the image from BIPS (Borehole Image Processing System) and extracts the geometrical parameters: length, width, strike and dip from the image.

3.2 Other equipment

The following equipment is used to facilitate the core mapping: folding rule, pen, diluted hydrochloric acid, knife, water-filled atomiser and hand lens.

3.3 BIPS-image video film sequences

The BIPS-image of KLX27A covers the interval 76.00–648.381 m.

3.4 BIPS-image video film quality

The visibility of thin fractures in BIPS depends on image resolution, image contrast and image quality.

3.4.1 BIPS-image resolution

Resolution of the BIPS-image is perhaps the principal reason why very thin fractures as well as very thin apertures are not visible in the BIPS-image and the resolution depends on the BIPS video camera pixel size and illumination angle.

3.4.2 BIPS-image contrast

Thick fractures are always visible in both drill core and the BIPS-image. However, the visibility of thin fractures depends strongly on the contrast between the fracture and the wall rock.
A bright fracture in a dark rock is clearly visible in the BIPS-image. But a bright coloured fracture in a light coloured rock might, however, be clearly visible in the drill core but not visible in the BIPS-image, especially if the fracture and wall rock have the same colour. The opposite is true for dark fractures.

In very rare cases when the BIPS-image contrast between a very thin fracture and the wall rock is very strong the fracture might be visible in the BIPS-image even if it is not visible in the drill core.

3.4.3 BIPS-image quality

BIPS-image quality is sometimes limited due to:

1) blackish coatings probably related to the drilling equipment,
2) vertical bleached bands from the clayey mixture of drill cuttings and water,
3) light and dark bands at high angle to the drill hole related to the automatic aperture of the video camera,
4) vertical enlargements of pixels due to stick-slip movement of the camera probe.

Vertical bleached bands and blackish coatings are usually the main disturbances in the BIPS-image quality.

The image quality is classified into four levels; good, acceptable, bad and very bad. Good quality means a more or less clear image which is easy to interpret. If the quality is acceptable it means that the image is not good, but that the mapping can be performed without any problems. An image of bad quality is somewhat difficult to interpret while an image of very bad quality cannot be interpreted except from very obvious and outstanding features. When the BIPS-image quality is so bad that fractures and structures cannot be identified, they can still be oriented using the guide-line method (Section 4.3.3). The BIPS-image quality for KLX27A is presented in Table 3-1.

Table 3-1. BIPS-image quality in KLX27A.

From (m)	To (m)	Quality
76	317	Good
317	566	Acceptable
566	648	Good

4 Execution

4.1 General

Mapping of the drill core of the telescopic drilled borehole was performed and documented according to activity plan AP PS 400-07-070 (SKB, internal document) referring to the Method Description for Boremap mapping (SKB MD 143.006, v.2.0), Nomenklatur vid Boremapkartering (SKB MD 143.008, v.2.0), Instruktion: Regler för bergarters benämningar vid platsundersökningen i Oskarshamn (SKB MD 132.004, v.1.0) and Instruktion för längdkalibrering vid undersökningar i kärnborrhål (SKB MD 620.010, v.2.0).

The drill core was displayed on inclined roller tables and mapped in its entire length with the Boremap software. The core mapping was carried out without any detailed geological knowledge of the area but with access to geophysical logs from the borehole and rock samples.

The term oxidation has been used as an alteration type until the mapping of KLX05. However, research has shown that the red colour of the bedrock is actually not only a result of oxidation. Since April 2005 the term red staining is used instead of the term oxidation.

The mapping was performed by Karl-Johan Mattsson and Stefan Eklund (Geosigma AB).

4.2 Preparations

Any depth registered in the BIPS-image deviates from the true depth in the borehole, a deviation which increases with depth, with approximately 0.4/100 m. This problem is eliminated by adjusting the depth of the BIPS-image to reference slots cut into the borehole walls every fiftieth meter (Appendix 7). The level for each slot is measured in the BIPS-images and then adjusted to the correct level using the correct depth value from the SICADA database.

Necessary in data for length adjustment and orientation in space are borehole diameter, reference marks, length and deviation; all data is collected from SICADA database (Appendices 6–8).

4.3 Execution of measurements

Concepts used during the core mapping, are defined in this chapter.

4.3.1 Fracture definitions

Definitions of different fracture types and aperture, crush zones and sealed fracture network are found in Nomenklatur vid Boremapkartering (SKB MD 143.008, v.2.0).

Two types of fractures are mapped in Boremap; broken and unbroken. Broken are fractures that split the core while unbroken fractures do not split the core. All fractures are described with their fracture minerals and other characteristics, e.g. width, aperture and roughness. Visible apertures are measured down to 1 mm in the BIPS-image. Smaller apertures, which are impossible to detect in the BIPS-image, are denoted a value of 0.5 mm. If the core pieces don't fit well, the aperture is considered "probable". If the core pieces do fit well, but the fracture surfaces are dull or altered, the aperture is considered "possible".

All fractures with apertures > 0 mm are treated as open in the SICADA database. Only few broken fractures are given the aperture = 0 mm. Unbroken fractures usually have apertures = 0 mm. Unbroken fractures that have apertures > 0 mm are interpreted as partly open and are included in the open-category. Open and sealed fractures are finally frequency calculated and shown in Appendix 1.

4.3.2 Fracture alteration and joint alteration number

Joint alteration number is principally related to the thickness of, and the clay content in a fracture. Thick fractures rich in clay minerals are given joint alteration numbers between 2 and 3. The majority of the broken fractures are very thin to extremely thin and seldom contain clay minerals. These fractures receive joint alteration numbers between 1 and 2.

A subdivision of fractures with joint alteration numbers between 1 and 2 was introduced to facilitate both the evaluation process for fracture alterations and the possibility to compare the alterations between different fractures in the boreholes. The subdivision is based on fracture mineralogy as follows:

a) fracture wall alterations,

b) fracture mineral fillings assumed to have been deposited from circulating water-rich solutions,

c) fracture mineral fillings most likely resulting from altered wall rock material.

Joint alteration number equal to 1: Fractures with or without wall rock alteration, e.g. oxidation or epidotization, and without mineral fillings is considered as fresh. The joint alteration number is thus set to 1.

Minerals such as calcite, quartz, fluorite, zeolites, laumontite and sulphides are regarded as deposited by circulating water-rich solutions and not as true fracture alteration minerals. The joint alteration number is thus set to 1.

Joint alteration number equal to 1.5: epidote, prehnite, hematite, chlorite and/or clay minerals are regarded as fracture minerals most likely resulting from altered wall rock. A weak alteration is thus assumed and the joint alteration number was set to 1.5. Extra considerations have been given to clay minerals since the occurrence of these minerals often resulted in a higher joint alteration number.

Joint alteration numbers higher than 1.5: When the mineral fillings is thick and contain a few mm of clay minerals, often together with epidote and chlorite, the joint alteration number is set to 2. In rare cases, when a fracture contains 5–10 mm thick clay, together with chlorite, the joint alteration number is set to 3 or higher.

When the alteration of a fracture is too thick (and/or intense) to give the fracture the joint alteration number 1.5 and too thin and/or weak to give it a 2, 1.7 and 1.8 is used.

4.3.3 Mapping of fractures not visible in the BIPS-image

Not all fractures are visible in the BIPS-images, and these fractures are orientated by using the guide-line method, based on the following data:

- Amplitude (measured along the drill core) which is the interval between fracture extremes along the drill core.
- The relation between the orientations of the fracture trace, measured on the drill core and a well defined structure visible in the BIPS-image.
- Absolute depth.

Orientation of fractures and other structures with the guide-line method is done in the following way: The first step is to calculate the amplitude of the fracture trace in the BIPS-image (with 76 mm diameter) from the measured fracture amplitude in the drill core (with 50 mm diameter). The second step is the correction of strike and dip. This is done by rotating the fracture trace in the BIPS-image relative to a feature with known orientation. The fracture trace is then put at the correct depth according to the depth measured on the drill core.

The guide-line method can be used to orientate any feature that is not visible in the BIPS-image. It is also a valuable tool to control that the personnel working with the drill core is observing the same feature as the personnel delineating the trace in the BIPS-image, especially in intervals rich in fractures.

The error of orientating fractures using the guide-line method is not known but experience and an estimation using stereographic plots indicated that the error is most likely insignificant. Accordingly, the guide-line method is so far considered better than mapping lots of non-oriented fractures. The fractures in question are mapped as "non-visible in BIPS" and can therefore be separated from fractures visible in BIPS which probably have a more accurate orientation.

4.3.4 Definition of veins and dikes

Rock occurrence is the way Boremap handles the occurrence of lithology up to 1 meter wide. Chiefly two different rock occurrences are mapped: veins and dikes. These two are separated by their respectively length in the drill core; veins are set to 0–20 cm and dikes are set to 20–100 cm. Rock occurrences that covers more than 100 cm of the drill core are mapped under the feature rock type.

4.3.5 Mineral codes

In the case where properties and/or minerals are not represented in the mineral list, following mineral codes have been used:

X5 Bleached fracture walls.

X7 Fractures with a fresh appearance and no detectable mineral.

X8 Fractures with epidotized/saussuritized walls.

4.4 Data handling

Mapping of the drill core is performed on-line on the SKB network, in order to obtain the best possible data security. Before every break (> 15 minutes) a back-up is saved on the local disk. Regular quality controls are performed. Every working day a Summary report (from Boremap) and a WellCad plot are printed in order to find possible misprints. The mapping is also quality checked by a routine in Boremap before it is exported to and archived in SICADA database. Personnel from SKB also perform spot test controls and regular quality revisions. All primary data is stored in SKB's database SICADA and only these data are later used for interpretation and modelling.

4.5 Geological summary table, general description

A Geological summary table (Appendix 1) is an overview of the features mapped with the Boremap software. It also facilitates comparisons between Boremap information collected from different boreholes and is more objective than a pure descriptive borehole summary. All information is taken directly from the Boremap database using simple and well defined search paths for each geological parameter (Appendix 2).

The Geological summary table consists of 23 columns, each one representing a specific geological parameter, presented as either intervals or frequencies (see Section 4.5.1 for column description). Intervals are calculated for parameters with a width ≥ 1 m and frequencies for parameters with a width < 1 m. Frequency information is treated as treated as point observations. It should be noted that parameters with a thickness of only 1 mm get the same "value" as a similar parameter with a thickness of 999 mm since both are treated as point observations and used for frequency calculations.

Parameters are sometimes related in such a way that the mapping of one parameter cause a decrease in the frequency of another parameter. This type of intimate relationship between parameters has been noted for the following cases:

- There is a decrease in the frequency of *unbroken fractures* with oxidized walls and without mineral fillings in intervals mapped with *Alteration – red staining.*
- No *unbroken fractures* are mapped in intervals of *sealed fracture network*.
- No *broken fractures* are mapped in intervals with crush.
- Hybrid rock and composite dikes generally include a large amount of fine to medium grained granite veins. These veins are not mapped and the frequency presented for veins + dikes in column 6 (Appendix 1) are lower than the true frequency in composite dike intervals.

4.5.1 Columns in the Geological summary table

The Geological summary table includes the following 23 columns:

Column 1: *Rock Type/Lithology*, interval column. Only lithologies longer than 1 m are presented here. Shorter lithologies are presented in column 6. This column is identical with the ordinary WellCad presentation.

Column 2: *Rock Type/Grain size*, interval column. Interval limits follows column 1. This column is identical with the ordinary WellCad presentation.

Column 3: *Rock Type/Texture*, interval column. Interval limits follows column 1. This column is identical with the ordinary WellCad presentation.

Column 4: *Alteration/Red staining*, interval column. No frequency column is presented for alteration/ red staining. The alteration/ red staining column are identical with the ordinary WellCad presentation.

Column 5: *Alteration/Intensity*, interval column. This column is identical with the ordinary WellCad presentation.

Column 6: *Rock Occurrence/Veins + Dikes < 1 m wide*, frequency column. This rock type column can be seen as the frequency complement to the rock type/lithology interval column. Only rock type sections that are thinner than 1 m can be described as rock occurrences in Boremap. Thicker rock type sections are mapped as rock type.

Column 7: *Structure/Shear zone < 1 m wide*, frequency column. This column includes ductile shear structures as well as brittle-ductile shear structures and these are mapped as rock occurrences in Boremap.

Column 8: *Structure/Brecciated < 1 m wide*, frequency column. Breccias < 1 m wide are mapped as rock occurrence in Boremap. Very thin micro breccias along sealed/natural fracture planes are generally not considered.

Column 9: *Structure/Brecciated ≥ 1 m wide*, interval column. Breccias > 1 m wide are mapped as rock type/structure in Boremap.

Column 10: *Structure/Mylonite < 1 m wide*, frequency column. Mylonites < 1 m wide are mapped as rock occurrence/structure in Boremap.

Column 11: *Structure/Mylonite ≥ 1 m wide* is an interval column. Mylonites > 1 m wide are mapped as rock type/structure in Boremap.

Column 12: *Structure/Foliation < 1 m wide* is a frequency column. Sections with foliation < 1 m wide are mapped as rock occurrence/structure in Boremap.

Column 13: *Structure/Foliation ≥ 1 m wide* is an interval column. Sections with foliation ≥ 1 m wide are mapped as rock type/structure in Boremap.

Column 14: *Sealed fractures/All*, frequency column. This column includes all fractures mapped as unbroken in the Boremap system as well as broken fractures interpreted to have broken up artificially during/after drilling.

Column 15: *Sealed fractures/Broken fractures with aperture = 0*, frequency column. This column includes unbroken fractures interpreted to have broken up artificially during/after drilling.

Column 16: *Sealed fractures/Sealed fracture network < 1 m wide*, frequency column. The sealed fracture network parameter is the only parameter that is generally evaluated directly from observations of the drill core. These types of sealed fractures can only in rare cases be observed in the BIPS-image.

Column 17: *Sealed fractures/Sealed fracture network ≥ 1 m wide*, interval column.

Column 18: *Open fractures/All apertures > 0*, frequency column. This column includes all broken fractures, both fractures that with certainty were open before drilling and fractures that probably or possibly were open before drilling.

Column 19: *Open fractures/Uncertain aperture = 0.5 probable + 0.5 possible*, frequency column. This column includes fractures that probably or possibly open before drilling.

Column 20: *Open fractures/Certain aperture = 0.5 certain and > 0.5*, frequency column. This column includes fractures that certainly were open before drilling.

Column 21: *Open fractures/Joint alteration > 1.5*, frequency column. This column show fractures with stronger joint alteration than normal. This parameter is generally correlated with the location of lithologies with a more weathered appearance.

Column 22: *Open fractures/Crush < 1 m wide*, frequency column. This column includes shorter sections with crush.

Column 23: *Open fractures/Crush ≥ 1 m wide*, interval column. This column includes longer sections with crush.

4.6 Nonconformities

Core loss occurs at 95.507–95.559 m, 253.807–253.867 m and at 503.597–503.612 m.

5 Results

5.1 General

Borehole KLX27A is oriented 0.7/–65°. The drill core covers the interval 76.00–650.560 m and the BIPS-image covers the interval 76.00 m–648.381 m.

All results from the mapping are principally found in the appendices. Information from the SICADA database is shown in the Geological summary table in Appendix 1 and a search path to Geological summary table is presented in Appendix 2. The BIPS-image is presented in Appendix 3, the WellCad diagram in Appendix 4 and In-data, such as borehole length, reference marks, deviation data and diameter are presented in Appendices 6–8.

Original data from the reported activity are stored in the primary database SICADA. Data are traceable in SICADA by the activity plan number (AP PS 400-07-070). Only data in the databases are accepted for further interpretation and modelling. The data presented in this report are regarded as copies of the original data. Data in the databases may be revised, if needed. Such revisions will not necessarily result in a revision of the P-report, although the normal procedure is that major revisions entail a revision of the P-report. Minor revisions are normally presented as supplements, available at www.skb.se.

5.2 Lithology and structures

The lithology in KLX27A (Table 5-1) is dominated by quartz monzodiorite (501036). Subordinate rock types comprise fine-grained diorite-gabbro (505102) and fine-grained granite (511058).

Table 5-1. Lithology distribution in KLX27A.

Rock types	%
Quartz monzodiorite (501036)	95.9
Fine-grained diorite-gabbro (505102)	2.1
Fine-grained granite (511058)	1.9

Seven sections in KLX27A are recognized by increased fracture frequencies, alterations and structural features:

Section interval characteristics

1. 105.9–109.8 m. Increased frequency of open and sealed fractures, sealed fracture networks and breccias. One gouge occurs within the section. The section is faint to strong red stained.
2. 167.9–176.5 m. Increased frequency of sealed fractures, sealed fracture networks, cataclasites and brittle-ductile shear zones. Slight increased frequency of open fractures. The section is partly weak to strong red stained.
3. 208.5–254.0 m. Increased frequency of open fractures and open fractures with aperture > 0.5 mm, sealed fractures, sealed fracture networks, brittle-ductile and ductile shear zones, cataclasites, breccias and mylonites. Six crush zones and two gauges occur in the section. The section is weak to medium red stained.
4. 337.4–340.0 m. Increased frequency of sealed fractures and sealed fracture networks, brittle-ductile shear zones and breccias. Slight increased frequency of open fractures.
5. 370.5–375.0 m. Increased frequency of sealed fractures and sealed fracture networks. Slight increased frequency of open fractures and brittle ductile shear zones. The section is weak to strong red stained.
6. 595.2–596.6 m. Increased frequency of sealed fractures, sealed fracture networks and ductile deformation.
7. 634.9–644.8 m. Increased frequency of sealed fractures, sealed fracture networks and brittle-ductile shear zones. Slight increased frequency of open fractures. The section is partly strong red stained.

5.3 Fracture mineralogy

Tables 5-2 and 5-3 show the frequency of minerals and rock wall alteration in sealed fractures and open fractures respectively. Minerals less than 0.1% are not accounted for. For X-mineral classification, see Section 4.3.5.

Calcite and chlorite are the most frequently occurring minerals in open fractures. Subordinate minerals are clay minerals, epidote and pyrite. In sealed fractures the dominating minerals and rock wall alterations are calcite, oxidized walls and chlorite. Subordinate minerals and rock wall alteration are epidote and quartz.

Table 5-2. Frequency of minerals and rock wall alteration in open fractures.

Mineral	%
Calcite	80.4
Chlorite	68.0
Clay minerals	25.7
Epidote	11.3
Pyrite	11.1
Quartz	7.5
Oxidized walls	6.4
X7	5.2
Hematite	4.3
Prehnite	1.3
X8	0.8
Galena	0.7
Adularia	0.5
Unknown mineral	0.4
Zeolite	0.4
X5	0.1

Table 5-3. Frequency of minerals and rock wall alteration in sealed fractures.

Mineral	%
Calcite	54.4
Oxidized walls	37.7
Chlorite	33.5
Epidote	15.6
Quartz	13.6
Prehnite	8.1
Adularia	4.6
White feldspar	3.5
Hematite	3.1
Red feldspar	1.6
X5	1.5
Pyrite	1.3
X8	0.8
X7	0.2
Clay minerals	0.2
Biotite	0.1

Appendix 1

Geological summary table for KLX27A

GEOLOGICAL SUMMARY KLX27A — **APPENDIX: 1**

Site	LAXEMAR	**Signed data**
Borehole	KLX27A	
Coordinate System	RT90-RHB70	
Date of mapping	2007-12-12 09:03:00	

ROCKTYPE SIMPEVARP
- Fine-grained granite
- Quartz monzodiorite
- Fine-grained diorite-gabbro

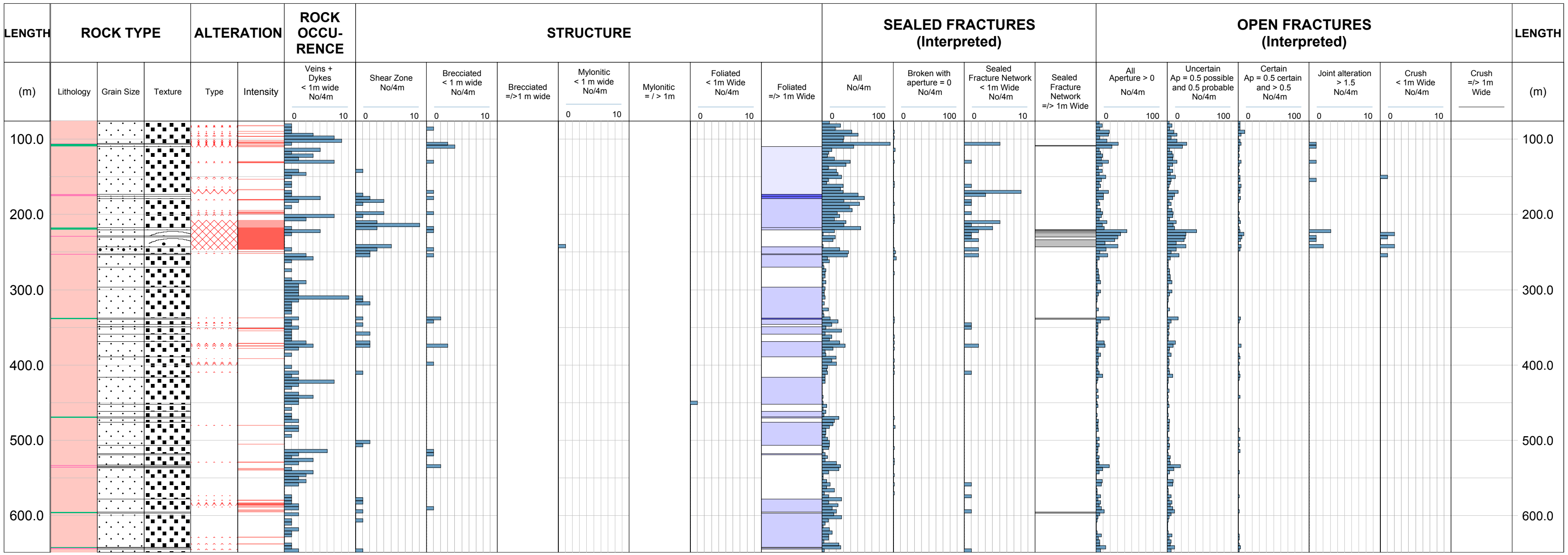
GRAINSIZE
- Fine-grained
- Fine to medium grained
- Medium to coarse grained
- Medium-grained

TEXTURE
- Porphyritic
- Equigranular
- Unequigranular
- Metamorphic

ALTERATION TYPE
- Red Staining

ALTRATION INTENSITY
- Weak
- Medium

STRUCTURE INTENSITY
- Faint
- Weak
- Medium



Appendix 2

Search paths for the Geological summary table

TABLE HEAD LINES		INFORMATION SOURCE			PRESENTATION
Head lines	**Sub head lines**	**Varcode**	**First suborder**	**Second suborder**	**Interval / frequence**
Rock type	Lithology	5	Sub 1		Interval
	Grain size	5	Sub 5		Interval
	Texture	5	Sub 6		Interval
Alteration	Oxidation	7	Sub 1 = 700		Interval
	Oxidation intensity	7	Sub 1 = 700	Sub 2	Interval
Rock occurrence	Vein + dyke	31	Sub 1 = 2 and 18		Frequence
Structure	Shear zone	31	Sub 4 = 41 and 42		Frequence
	Brecciated, < 1m wide	31	Sub 4 = 7		Frequence
	Brecciated, >/= 1m wide	5 5	Sub 3 = 7 Sub 3 = 7	Sub 4; 101 and 102 = 102 Sub 4; 103 and 104 = 104	Interval
	Mylonite, < 1 m wide	31	Sub 4 = 34		Frequence
	Mylonite, >/= 1 m wide	5 5	Sub 3 = 34 Sub 3 = 34	Sub 4; 101 and 102 = 102 Sub 4; 103 and 104 = 104	Interval
	Foliation zone, < 1 m wide	31	Sub 4 = 81		Frequence
	Foliation zone, >/= 1 m wide	5 5	Sub 3 = 81 Sub 3 = 81	Sub 4; 101 and 102 = 102 Sub 4; 103 and 104 = 104	Interval
Sealed fracture	All unbroken fractures and broken fractures	3 2	 SNUM 11= 0		Frequence
	Broken fractures, Aperture = 0	2	SNum 11 = 0		Frequence
	Sealed fracture network < 1 m wide	32			Frequence
	Sealed fracture network>/= 1 m wide	32			Interval
Open fractures	All, Aperture > 0	2 and 3	SNum 11>0		Frequence
	Uncertain, Aperture = 0.5 possible and 0.5 probable	2 and 3	SNum 11>0	Sub 12 > 1	Frequence
	Certain, Aperture = 0.5 certain	2 and 3	SNum 11>0	Sub 12 = 1	Frequence
	Joint alteration > 1.5	2	SNum16 > 1.5		Frequence
	Crush < 1 m wide	4			Frequence
	Crush >/= 1 m wide	4			Interval

Appendix 3

BIPS-image for KLX27A

Borehole Image Report

Borehole Name:	KLX27A
Mapping Name:	KLX27A_KJMSE_3
Mapping Range:	76.133 - 646.514 m
Diameter:	76.0 mm
Printed Range:	76.000 - 646.624
Pages:	30

Image File Information:

File:	G:\skb\bips\oskarshamn\KLX27A\Used\KLX27A_76-646m.BIP
Date/Time:	2007-12-06 08:33:00
Start Depth:	76.000 m
End Depth:	646.624 m
Resolution:	1.00 mm/pixel (depth)
Orientation:	Gravimetric
Image height:	570624 pixels
Image width:	360 pixels
BIP Version:	BIP-III
Locality:	LAXEMAR
Borehole:	KLX27A
Scan Direction:	Down
Color adjust:	0 0 0 (RGB)

Borehole: KLX27A
Mapping: KLX27A_KJMSE_3

Depth range: 76.000 - 96.000 m
Azimuth: 0.7
Inclination: -65.2

Printed: 2008-01-14 13:57:09 Scale: 1 : 20 Aspect: 150 % 2 (30)

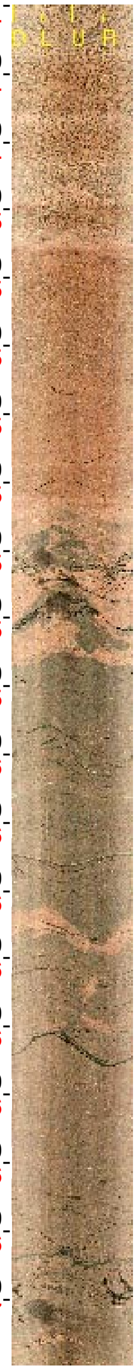
Borehole: KLX27A
Mapping: KLX27A_KJMSE_3

Depth range: 96.000 - 116.000 m
Azimuth: 0.9
Inclination: -65.0

96.000
96.761
96.200
96.969
96.400
97.177
96.600
97.384
96.800
97.592
97.000
97.800
97.200
98.007
97.400
98.215
97.600
98.423
97.800
98.630
98.000
98.838
98.200
99.046
98.400
99.253
98.600
99.461
98.800
99.669
99.000
99.876
99.200
100.081
99.400
100.281
99.600
100.481
99.800
100.681

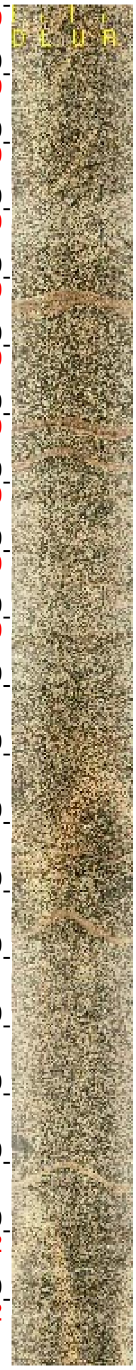
100.000
100.882
100.200
101.082
100.400
101.282
100.600
101.482
100.800
101.682
101.000
101.882
101.200
102.082
101.400
102.282
101.600
102.483
101.800
102.683
102.000
102.883
102.200
103.083
102.400
103.283
102.600
103.483
102.800
103.683
103.000
103.883
103.200
104.084
103.400
104.284
103.600
104.484
103.800
104.684

104.000
104.884
104.200
105.084
104.400
105.284
104.600
105.485
104.800
105.685
105.000
105.885
105.200
106.085
105.400
106.285
105.600
106.485
105.800
106.685
106.000
106.885
106.200
107.086
106.400
107.286
106.600
107.486
106.800
107.686
107.000
107.886
107.200
108.086
107.400
108.286
107.600
108.486
107.800
108.687



108.000
108.887
108.200
109.087
108.400
109.287
108.600
109.487
108.800
109.687
109.000
109.887
109.200
110.087
109.400
110.288
109.600
110.488
109.800
110.688
110.000
110.888
110.200
111.088
110.400
111.288
110.600
111.488
110.800
111.688
111.000
111.889
111.200
112.089
111.400
112.289
111.600
112.489
111.800
112.689

112.000
112.889
112.200
113.089
112.400
113.290
112.600
113.490
112.800
113.690
113.000
113.890
113.200
114.090
113.400
114.290
113.600
114.490
113.800
114.690
114.000
114.891
114.200
115.091
114.400
115.291
114.600
115.491
114.800
115.691
115.000
115.891
115.200
116.091
115.400
116.291
115.600
116.492
115.800
116.692

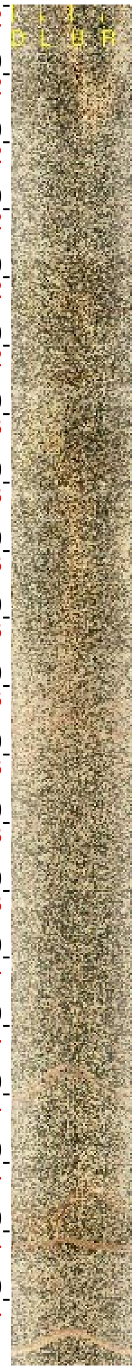


Printed: 2008-01-14 13:57:09 Scale: 1 : 20 Aspect: 150 % 3 (30)

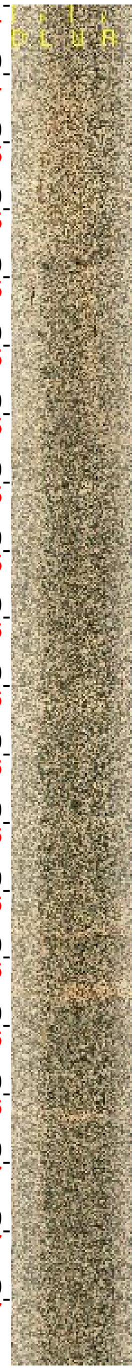
Borehole: KLX27A
Mapping: KLX27A_KJMSE_3

Depth range: 116.000 - 136.000 m
Azimuth: 1.0
Inclination: -64.8

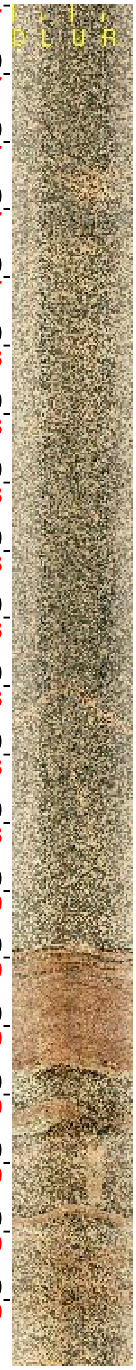
116.000
116.892
116.200
117.092
116.400
117.292
116.600
117.492
116.800
117.692
117.000
117.892
117.200
118.093
117.400
118.293
117.600
118.493
117.800
118.693
118.000
118.893
118.200
119.093
118.400
119.293
118.600
119.493
118.800
119.694
119.000
119.894
119.200
120.094
119.400
120.294
119.600
120.494
119.800
120.694



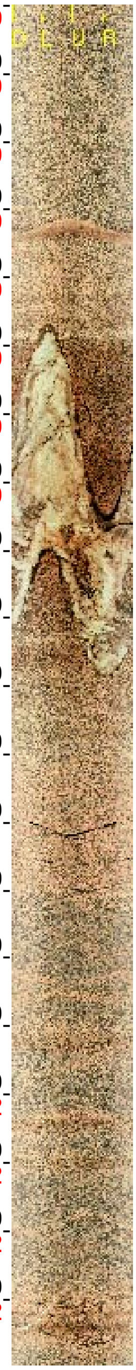
120.000
120.894
120.200
121.094
120.400
121.295
120.600
121.495
120.800
121.695
121.000
121.895
121.200
122.095
121.400
122.295
121.600
122.495
121.800
122.696
122.000
122.896
122.200
123.096
122.400
123.296
122.600
123.496
122.800
123.696
123.000
123.896
123.200
124.096
123.400
124.297
123.600
124.497
123.800
124.697



124.000
124.897
124.200
125.097
124.400
125.297
124.600
125.497
124.800
125.697
125.000
125.898
125.200
126.098
125.400
126.298
125.600
126.498
125.800
126.698
126.000
126.898
126.200
127.098
126.400
127.298
126.600
127.499
126.800
127.699
127.000
127.899
127.200
128.099
127.400
128.299
127.600
128.499
127.800
128.699



128.000
128.899
128.200
129.100
128.400
129.300
128.600
129.500
128.800
129.700
129.000
129.900
129.200
130.100
129.400
130.300
129.600
130.501
129.800
130.701
130.000
130.901
130.200
131.101
130.400
131.301
130.600
131.501
130.800
131.701
131.000
131.901
131.200
132.102
131.400
132.302
131.600
132.502
131.800
132.702



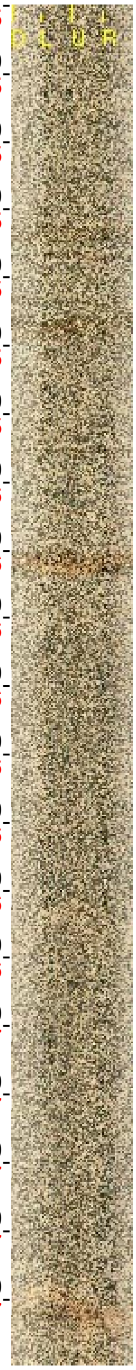
132.000
132.902
132.200
133.102
132.400
133.302
132.600
133.502
132.800
133.703
133.000
133.903
133.200
134.103
133.400
134.303
133.600
134.503
133.800
134.703
134.000
134.903
134.200
135.103
134.400
135.304
134.600
135.504
134.800
135.704
135.000
135.904
135.200
136.104
135.400
136.304
135.600
136.504
135.800
136.704

Printed: 2008-01-14 13:57:09 Scale: 1 : 20 Aspect: 150 % 4 (30)

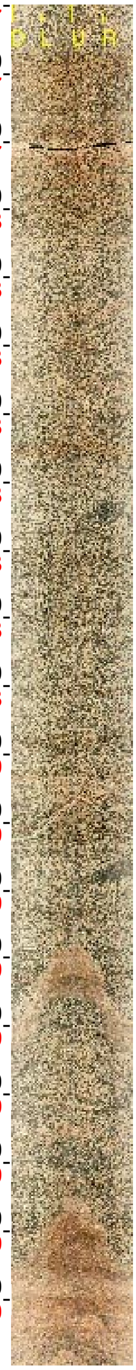
Borehole: KLX27A
Mapping: KLX27A_KJMSE_3

Depth range: 136.000 - 156.000 m
Azimuth: 1.0
Inclination: -64.7

136.000	136.905
136.200	137.105
136.400	137.305
136.600	137.505
136.800	137.705
137.000	137.905
137.200	138.105
137.400	138.306
137.600	138.506
137.800	138.706
138.000	138.906
138.200	139.106
138.400	139.306
138.600	139.506
138.800	139.706
139.000	139.907
139.200	140.107
139.400	140.307
139.600	140.507
139.800	140.707

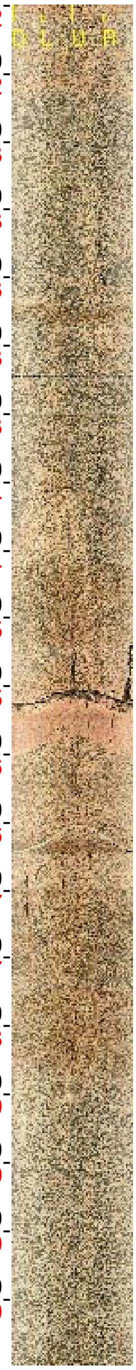


140.000	140.907
140.200	141.107
140.400	141.307
140.600	141.508
140.800	141.708
141.000	141.908
141.200	142.108
141.400	142.308
141.600	142.508
141.800	142.708
142.000	142.908
142.200	143.109
142.400	143.309
142.600	143.509
142.800	143.709
143.000	143.909
143.200	144.109
143.400	144.309
143.600	144.509
143.800	144.710



144.000	144.910
144.200	145.110
144.400	145.310
144.600	145.510
144.800	145.710
145.000	145.910
145.200	146.111
145.400	146.311
145.600	146.511
145.800	146.711
146.000	146.911
146.200	147.111
146.400	147.311
146.600	147.511
146.800	147.712
147.000	147.912
147.200	148.112
147.400	148.312
147.600	148.512
147.800	148.712

148.000	148.912
148.200	149.112
148.400	149.313
148.600	149.513
148.800	149.713
149.000	149.913
149.200	150.113
149.400	150.314
149.600	150.514
149.800	150.715
150.000	150.915
150.200	151.116
150.400	151.316
150.600	151.517
150.800	151.717
151.000	151.918
151.200	152.119
151.400	152.319
151.600	152.520
151.800	152.720



152.000	152.921
152.200	153.121
152.400	153.322
152.600	153.522
152.800	153.723
153.000	153.923
153.200	154.124
153.400	154.324
153.600	154.525
153.800	154.725
154.000	154.926
154.200	155.126
154.400	155.327
154.600	155.527
154.800	155.728
155.000	155.929
155.200	156.129
155.400	156.330
155.600	156.530
155.800	156.731

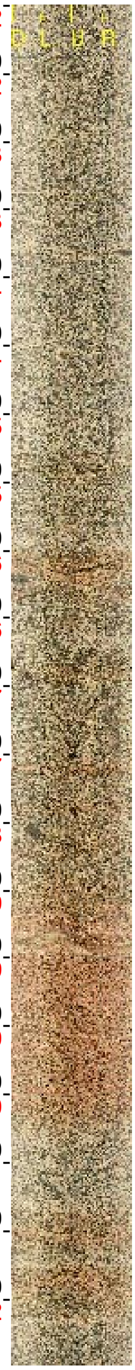
Printed: 2008-01-14 13:57:09 Scale: 1 : 20 Aspect: 150 % 5 (30)

Borehole: KLX27A
Mapping: KLX27A_KJMSE_3

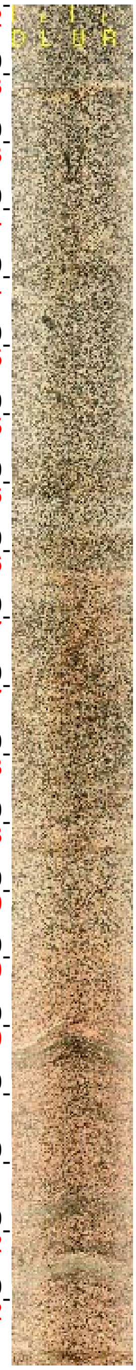
Depth range: 156.000 - 176.000 m
Azimuth: 0.8
Inclination: -64.5

156.000
156.931
156.200
157.132
156.400
157.332
156.600
157.533
156.800
157.733
157.000
157.934
157.200
158.134
157.400
158.335
157.600
158.535
157.800
158.736
158.000
158.936
158.200
159.137
158.400
159.337
158.600
159.538
158.800
159.739
159.000
159.939
159.200
160.140
159.400
160.340
159.600
160.541
159.800
160.741

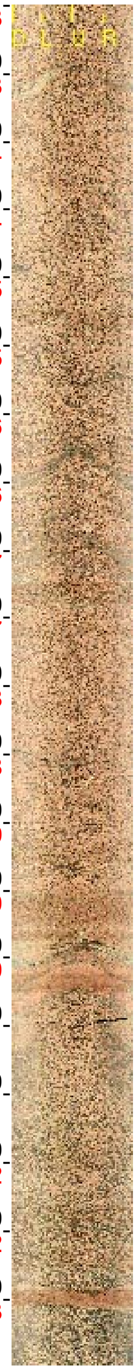
160.000
160.942
160.200
161.142
160.400
161.343
160.600
161.543
160.800
161.744
161.000
161.944
161.200
162.145
161.400
162.345
161.600
162.546
161.800
162.746
162.000
162.947
162.200
163.147
162.400
163.348
162.600
163.549
162.800
163.749
163.000
163.950
163.200
164.150
163.400
164.351
163.600
164.551
163.800
164.752



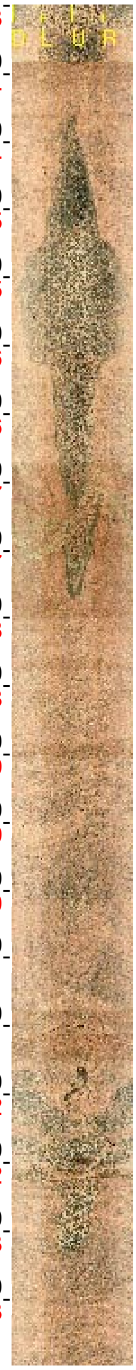
164.000
164.952
164.200
165.153
164.400
165.353
164.600
165.554
164.800
165.754
165.000
165.955
165.200
166.155
165.400
166.356
165.600
166.556
165.800
166.757
166.000
166.957
166.200
167.158
166.400
167.358
166.600
167.559
166.800
167.760
167.000
167.960
167.200
168.161
167.400
168.361
167.600
168.562
167.800
168.762



168.000
168.963
168.200
169.163
168.400
169.364
168.600
169.564
168.800
169.765
169.000
169.965
169.200
170.166
169.400
170.366
169.600
170.567
169.800
170.767
170.000
170.968
170.200
171.168
170.400
171.369
170.600
171.570
170.800
171.770
171.000
171.971
171.200
172.171
171.400
172.372
171.600
172.572
171.800
172.773



172.000
172.973
172.200
173.174
172.400
173.374
172.600
173.575
172.800
173.775
173.000
173.976
173.200
174.176
173.400
174.377
173.600
174.577
173.800
174.778
174.000
174.978
174.200
175.179
174.400
175.379
174.600
175.580
174.800
175.781
175.000
175.981
175.200
176.182
175.400
176.382
175.600
176.583
175.800
176.783



Printed: 2008-01-14 13:57:09 Scale: 1 : 20 Aspect: 150 % 6 (30)

Borehole: KLX27A
Mapping: KLX27A_KJMSE_3

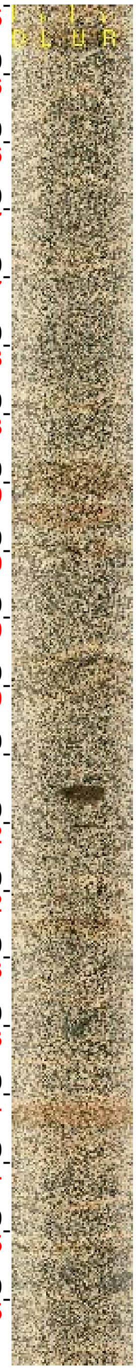
Depth range: 176.000 - 196.000 m
Azimuth: 0.6
Inclination: -64.5

176.000	176.984
176.200	177.184
176.400	177.385
176.600	177.585
176.800	177.786
177.000	177.986
177.200	178.187
177.400	178.387
177.600	178.588
177.800	178.788
178.000	178.989
178.200	179.189
178.400	179.390
178.600	179.591
178.800	179.791
179.000	179.992
179.200	180.192
179.400	180.393
179.600	180.593
179.800	180.794

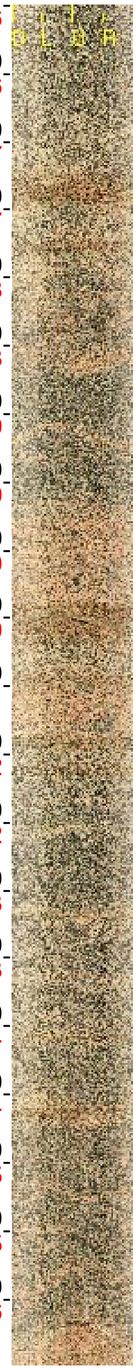
180.000	180.994
180.200	181.195
180.400	181.395
180.600	181.596
180.800	181.796
181.000	181.997
181.200	182.197
181.400	182.398
181.600	182.598
181.800	182.799
182.000	182.999
182.200	183.200
182.400	183.401
182.600	183.601
182.800	183.802
183.000	184.002
183.200	184.203
183.400	184.403
183.600	184.604
183.800	184.804

184.000	185.005
184.200	185.205
184.400	185.406
184.600	185.606
184.800	185.807
185.000	186.007
185.200	186.208
185.400	186.408
185.600	186.609
185.800	186.809
186.000	187.010
186.200	187.210
186.400	187.411
186.600	187.612
186.800	187.812
187.000	188.013
187.200	188.213
187.400	188.414
187.600	188.614
187.800	188.815

188.000	189.015
188.200	189.216
188.400	189.416
188.600	189.617
188.800	189.817
189.000	190.018
189.200	190.218
189.400	190.419
189.600	190.619
189.800	190.820
190.000	191.020
190.200	191.221
190.400	191.422
190.600	191.622
190.800	191.823
191.000	192.023
191.200	192.224
191.400	192.424
191.600	192.625
191.800	192.825



192.000	193.026
192.200	193.226
192.400	193.427
192.600	193.627
192.800	193.828
193.000	194.028
193.200	194.229
193.400	194.429
193.600	194.630
193.800	194.830
194.000	195.031
194.200	195.232
194.400	195.432
194.600	195.633
194.800	195.833
195.000	196.034
195.200	196.234
195.400	196.435
195.600	196.635
195.800	196.836



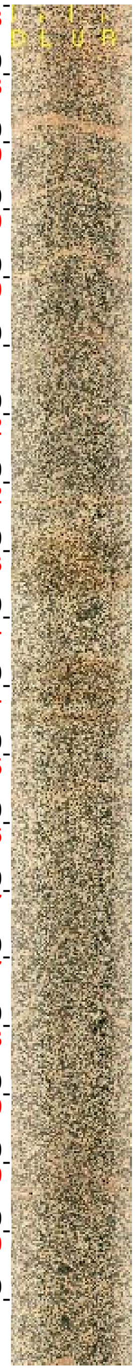
Printed: 2008-01-14 13:57:09   Scale: 1 : 20   Aspect: 150 %   7 (30)

Borehole: KLX27A
Mapping: KLX27A_KJMSE_3

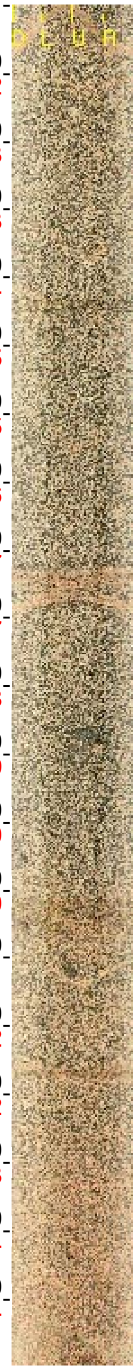
Depth range: 196.000 - 216.000 m
Azimuth: 1.0
Inclination: -64.6

196.000	197.036
196.200	197.237
196.400	197.437
196.600	197.638
196.800	197.838
197.000	198.039
197.200	198.239
197.400	198.440
197.600	198.640
197.800	198.841
198.000	199.041
198.200	199.242
198.400	199.443
198.600	199.643
198.800	199.844
199.000	200.044
199.200	200.245
199.400	200.446
199.600	200.646
199.800	200.847

200.000	201.048
200.200	201.248
200.400	201.449
200.600	201.650
200.800	201.850
201.000	202.051
201.200	202.252
201.400	202.452
201.600	202.653
201.800	202.854
202.000	203.054
202.200	203.255
202.400	203.456
202.600	203.657
202.800	203.857
203.000	204.058
203.200	204.259
203.400	204.459
203.600	204.660
203.800	204.861

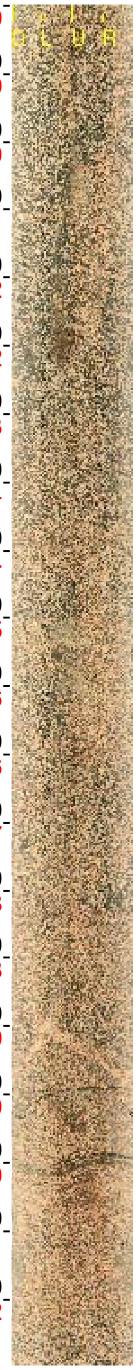


204.000	205.061
204.200	205.262
204.400	205.463
204.600	205.663
204.800	205.864
205.000	206.065
205.200	206.265
205.400	206.466
205.600	206.667
205.800	206.867
206.000	207.068
206.200	207.269
206.400	207.470
206.600	207.670
206.800	207.871
207.000	208.072
207.200	208.272
207.400	208.473
207.600	208.674
207.800	208.874



208.000	209.075
208.200	209.276
208.400	209.476
208.600	209.677
208.800	209.878
209.000	210.078
209.200	210.279
209.400	210.480
209.600	210.681
209.800	210.881
210.000	211.082
210.200	211.283
210.400	211.483
210.600	211.684
210.800	211.885
211.000	212.085
211.200	212.286
211.400	212.487
211.600	212.687
211.800	212.888

212.000	213.089
212.200	213.289
212.400	213.490
212.600	213.691
212.800	213.892
213.000	214.092
213.200	214.293
213.400	214.494
213.600	214.694
213.800	214.895
214.000	215.096
214.200	215.296
214.400	215.497
214.600	215.698
214.800	215.898
215.000	216.099
215.200	216.300
215.400	216.500
215.600	216.701
215.800	216.902



Printed: 2008-01-14 13:57:09 Scale: 1 : 20 Aspect: 150 % 8 (30)

Borehole: KLX27A

Mapping: KLX27A_KJMSE_3

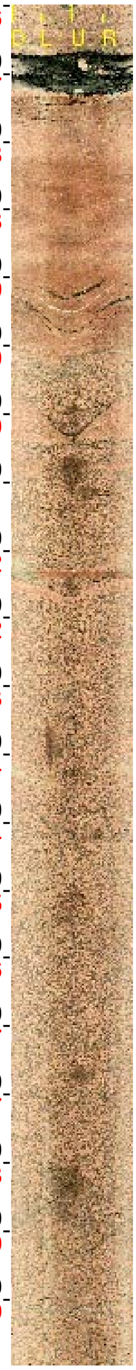
Depth range: 216.000 - 236.000 m

Azimuth: 0.5

Inclination: -64.5

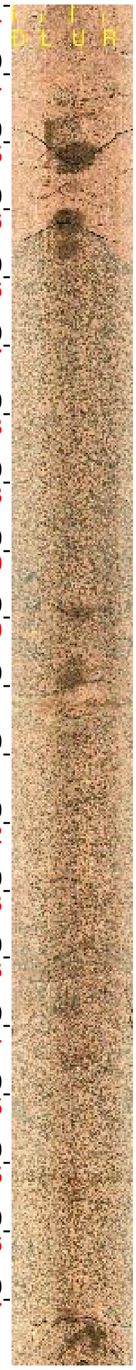
216.000 217.102
216.200 217.303
216.400 217.504
216.600 217.705
216.800 217.905
217.000 218.106
217.200 218.307
217.400 218.507
217.600 218.708
217.800 218.909
218.000 219.109
218.200 219.310
218.400 219.511
218.600 219.711
218.800 219.912
219.000 220.113
219.200 220.313
219.400 220.514
219.600 220.715
219.800 220.916

220.000 221.116
220.200 221.317
220.400 221.518
220.600 221.718
220.800 221.919
221.000 222.120
221.200 222.320
221.400 222.521
221.600 222.722
221.800 222.922
222.000 223.123
222.200 223.324
222.400 223.524
222.600 223.725
222.800 223.926
223.000 224.127
223.200 224.327
223.400 224.528
223.600 224.729
223.800 224.929

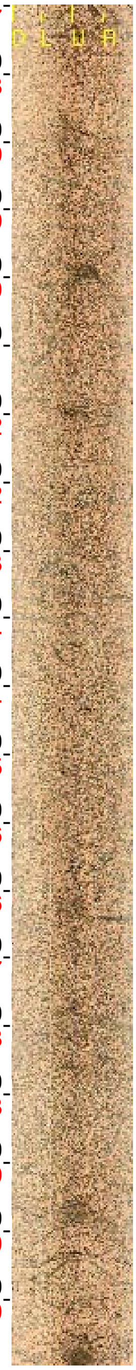


224.000 225.130
224.200 225.331
224.400 225.531
224.600 225.732
224.800 225.933
225.000 226.133
225.200 226.334
225.400 226.535
225.600 226.735
225.800 226.936
226.000 227.137
226.200 227.337
226.400 227.538
226.600 227.739
226.800 227.940
227.000 228.140
227.200 228.341
227.400 228.542
227.600 228.742
227.800 228.943

228.000 229.144
228.200 229.344
228.400 229.545
228.600 229.746
228.800 229.946
229.000 230.147
229.200 230.348
229.400 230.548
229.600 230.749
229.800 230.950
230.000 231.151
230.200 231.351
230.400 231.552
230.600 231.753
230.800 231.953
231.000 232.154
231.200 232.355
231.400 232.555
231.600 232.756
231.800 232.957



232.000 233.157
232.200 233.358
232.400 233.559
232.600 233.759
232.800 233.960
233.000 234.161
233.200 234.362
233.400 234.562
233.600 234.763
233.800 234.964
234.000 235.164
234.200 235.365
234.400 235.566
234.600 235.766
234.800 235.967
235.000 236.168
235.200 236.368
235.400 236.569
235.600 236.770
235.800 236.970

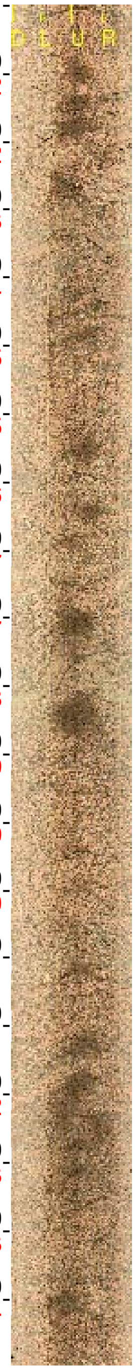


Printed: 2008-01-14 13:57:09 Scale: 1 : 20 Aspect: 150 % 9 (30)

Borehole: KLX27A
Mapping: KLX27A_KJMSE_3

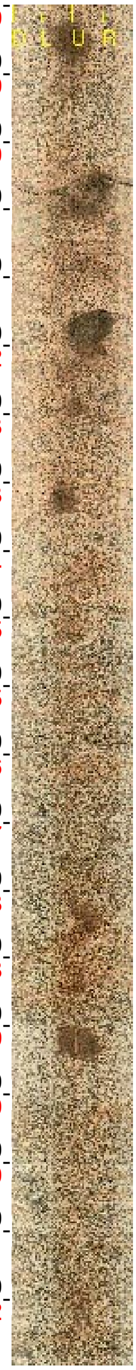
Depth range: 236.000 - 256.000 m
Azimuth: 0.4
Inclination: -64.4

236.000 / 237.171
236.200 / 237.372
236.400 / 237.572
236.600 / 237.773
236.800 / 237.974
237.000 / 238.175
237.200 / 238.375
237.400 / 238.576
237.600 / 238.777
237.800 / 238.977
238.000 / 239.178
238.200 / 239.379
238.400 / 239.579
238.600 / 239.780
238.800 / 239.981
239.000 / 240.181
239.200 / 240.382
239.400 / 240.583
239.600 / 240.783
239.800 / 240.984

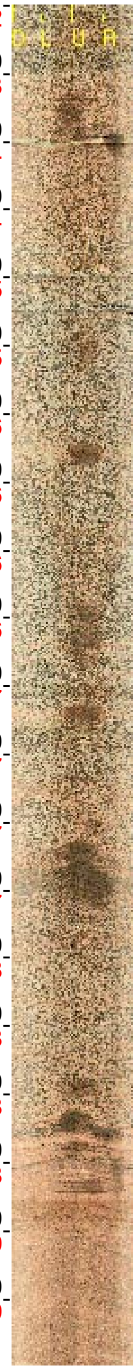


240.000 / 241.185
240.200 / 241.386
240.400 / 241.586
240.600 / 241.787
240.800 / 241.988
241.000 / 242.188
241.200 / 242.389
241.400 / 242.590
241.600 / 242.790
241.800 / 242.991
242.000 / 243.192
242.200 / 243.392
242.400 / 243.593
242.600 / 243.794
242.800 / 243.994
243.000 / 244.195
243.200 / 244.396
243.400 / 244.597
243.600 / 244.797
243.800 / 244.998

244.000 / 245.199
244.200 / 245.399
244.400 / 245.600
244.600 / 245.801
244.800 / 246.001
245.000 / 246.202
245.200 / 246.403
245.400 / 246.603
245.600 / 246.804
245.800 / 247.005
246.000 / 247.205
246.200 / 247.406
246.400 / 247.607
246.600 / 247.808
246.800 / 248.008
247.000 / 248.209
247.200 / 248.410
247.400 / 248.610
247.600 / 248.811
247.800 / 249.012



248.000 / 249.212
248.200 / 249.413
248.400 / 249.614
248.600 / 249.814
248.800 / 250.015
249.000 / 250.215
249.200 / 250.416
249.400 / 250.616
249.600 / 250.816
249.800 / 251.016
250.000 / 251.217
250.200 / 251.417
250.400 / 251.617
250.600 / 251.817
250.800 / 252.018
251.000 / 252.218
251.200 / 252.418
251.400 / 252.618
251.600 / 252.819
251.800 / 253.019



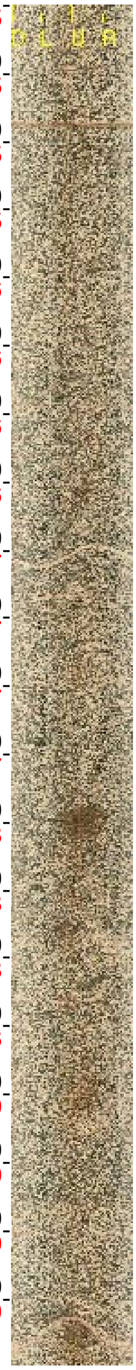
252.000 / 253.219
252.200 / 253.420
252.400 / 253.620
252.600 / 253.820
252.800 / 254.020
253.000 / 254.221
253.200 / 254.421
253.400 / 254.621
253.600 / 254.821
253.800 / 255.022
254.000 / 255.222
254.200 / 255.422
254.400 / 255.622
254.600 / 255.823
254.800 / 256.023
255.000 / 256.223
255.200 / 256.423
255.400 / 256.624
255.600 / 256.824
255.800 / 257.024

Printed: 2008-01-14 13:57:09 Scale: 1 : 20 Aspect: 150 % 10 (30)

Borehole: KLX27A
Mapping: KLX27A_KJMSE_3

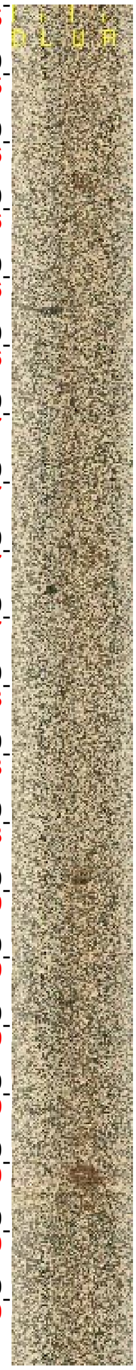
Depth range: 256.000 - 276.000 m
Azimuth: 1.0
Inclination: -64.1

256.000	257.225
256.200	257.425
256.400	257.625
256.600	257.825
256.800	258.026
257.000	258.226
257.200	258.426
257.400	258.626
257.600	258.827
257.800	259.027
258.000	259.227
258.200	259.427
258.400	259.628
258.600	259.828
258.800	260.028
259.000	260.228
259.200	260.429
259.400	260.629
259.600	260.829
259.800	261.030

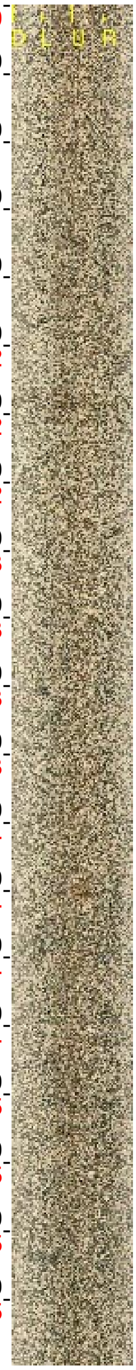


260.000	261.230
260.200	261.430
260.400	261.630
260.600	261.831
260.800	262.031
261.000	262.231
261.200	262.431
261.400	262.632
261.600	262.832
261.800	263.032
262.000	263.232
262.200	263.433
262.400	263.633
262.600	263.833
262.800	264.034
263.000	264.234
263.200	264.434
263.400	264.634
263.600	264.835
263.800	265.035

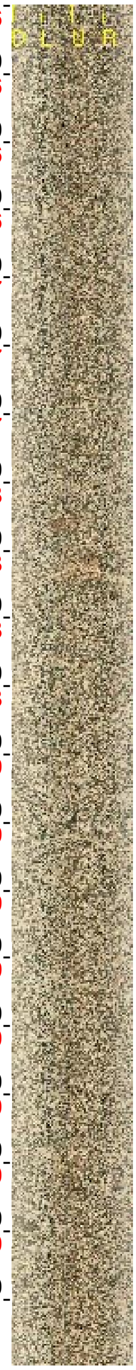
264.000	265.235
264.200	265.435
264.400	265.636
264.600	265.836
264.800	266.036
265.000	266.236
265.200	266.437
265.400	266.637
265.600	266.837
265.800	267.037
266.000	267.238
266.200	267.438
266.400	267.638
266.600	267.839
266.800	268.039
267.000	268.239
267.200	268.439
267.400	268.640
267.600	268.840
267.800	269.040



268.000	269.240
268.200	269.441
268.400	269.641
268.600	269.841
268.800	270.041
269.000	270.242
269.200	270.442
269.400	270.642
269.600	270.843
269.800	271.043
270.000	271.243
270.200	271.443
270.400	271.644
270.600	271.844
270.800	272.044
271.000	272.244
271.200	272.445
271.400	272.645
271.600	272.845
271.800	273.045



272.000	273.246
272.200	273.446
272.400	273.646
272.600	273.846
272.800	274.047
273.000	274.247
273.200	274.447
273.400	274.648
273.600	274.848
273.800	275.048
274.000	275.248
274.200	275.449
274.400	275.649
274.600	275.849
274.800	276.049
275.000	276.250
275.200	276.450
275.400	276.650
275.600	276.850
275.800	277.051

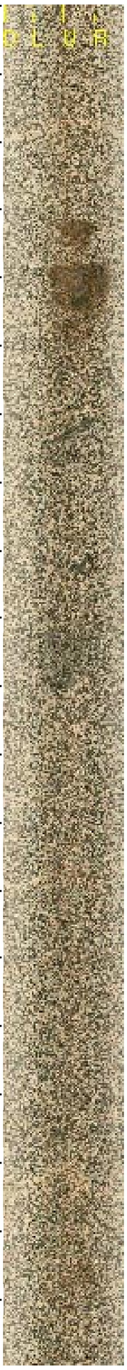


Printed: 2008-01-14 13:57:09 Scale: 1 : 20 Aspect: 150 % 11 (30)

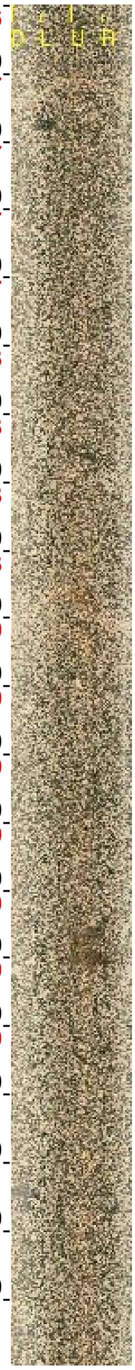
Borehole: KLX27A
Mapping: KLX27A_KJMSE_3

Depth range: 276.000 - 296.000 m
Azimuth: 0.9
Inclination: -64.0

276.000	277.251
276.200	277.451
276.400	277.651
276.600	277.852
276.800	278.052
277.000	278.252
277.200	278.453
277.400	278.653
277.600	278.853
277.800	279.053
278.000	279.254
278.200	279.454
278.400	279.654
278.600	279.854
278.800	280.055
279.000	280.255
279.200	280.455
279.400	280.655
279.600	280.856
279.800	281.056



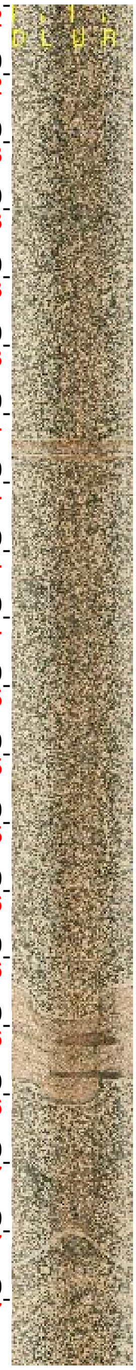
280.000	281.256
280.200	281.457
280.400	281.657
280.600	281.857
280.800	282.057
281.000	282.258
281.200	282.458
281.400	282.658
281.600	282.858
281.800	283.059
282.000	283.259
282.200	283.459
282.400	283.659
282.600	283.860
282.800	284.060
283.000	284.260
283.200	284.461
283.400	284.661
283.600	284.861
283.800	285.061



284.000	285.262
284.200	285.462
284.400	285.662
284.600	285.862
284.800	286.063
285.000	286.263
285.200	286.463
285.400	286.663
285.600	286.864
285.800	287.064
286.000	287.264
286.200	287.464
286.400	287.665
286.600	287.865
286.800	288.065
287.000	288.266
287.200	288.466
287.400	288.666
287.600	288.866
287.800	289.067

288.000	289.267
288.200	289.467
288.400	289.667
288.600	289.868
288.800	290.068
289.000	290.268
289.200	290.468
289.400	290.669
289.600	290.869
289.800	291.069
290.000	291.269
290.200	291.470
290.400	291.670
290.600	291.870
290.800	292.071
291.000	292.271
291.200	292.471
291.400	292.671
291.600	292.872
291.800	293.072

292.000	293.272
292.200	293.472
292.400	293.673
292.600	293.873
292.800	294.073
293.000	294.273
293.200	294.474
293.400	294.674
293.600	294.874
293.800	295.074
294.000	295.275
294.200	295.475
294.400	295.675
294.600	295.876
294.800	296.076
295.000	296.276
295.200	296.476
295.400	296.677
295.600	296.877
295.800	297.077



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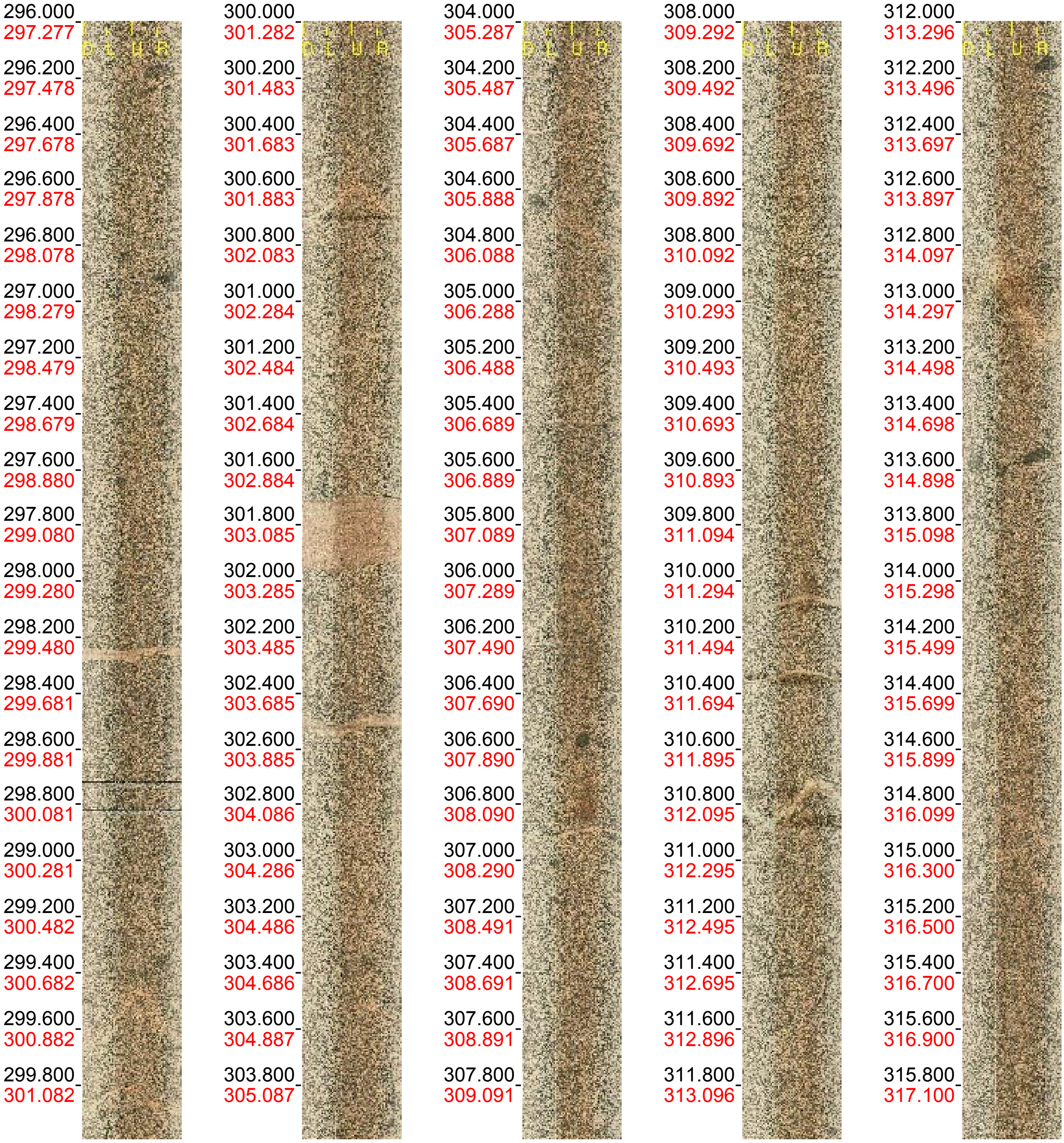
Borehole: KLX27A
Mapping: KLX27A_KJMSE_3

Depth range: 296.000 - 316.000 m
Azimuth: 0.8
Inclination: -64.0



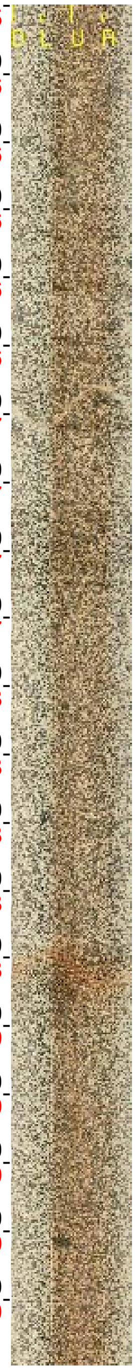
Printed: 2008-01-14 13:57:09   Scale: 1 : 20   Aspect: 150 %   13 (30)

Borehole: KLX27A
Mapping: KLX27A_KJMSE_3

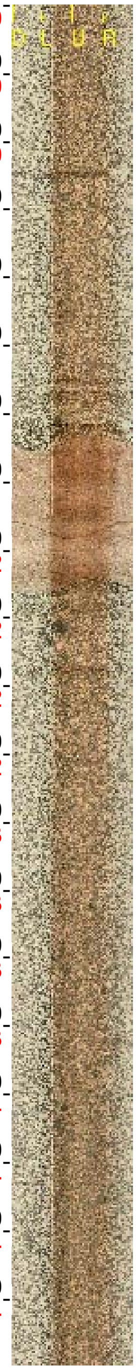
Depth range: 316.000 - 336.000 m
Azimuth: 0.9
Inclination: -64.0

316.000
317.301
316.200
317.501
316.400
317.701
316.600
317.901
316.800
318.102
317.000
318.302
317.200
318.502
317.400
318.702
317.600
318.903
317.800
319.103
318.000
319.303
318.200
319.503
318.400
319.703
318.600
319.904
318.800
320.104
319.000
320.304
319.200
320.504
319.400
320.705
319.600
320.905
319.800
321.105

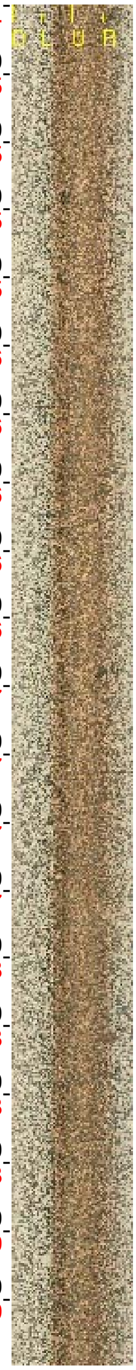
320.000
321.305
320.200
321.506
320.400
321.706
320.600
321.906
320.800
322.106
321.000
322.306
321.200
322.507
321.400
322.707
321.600
322.907
321.800
323.107
322.000
323.308
322.200
323.508
322.400
323.708
322.600
323.908
322.800
324.108
323.000
324.309
323.200
324.509
323.400
324.709
323.600
324.909
323.800
325.110



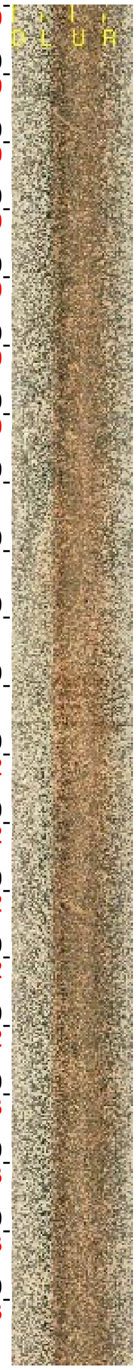
324.000
325.310
324.200
325.510
324.400
325.710
324.600
325.911
324.800
326.111
325.000
326.311
325.200
326.511
325.400
326.711
325.600
326.912
325.800
327.112
326.000
327.312
326.200
327.512
326.400
327.713
326.600
327.913
326.800
328.113
327.000
328.313
327.200
328.514
327.400
328.714
327.600
328.914
327.800
329.114



328.000
329.314
328.200
329.515
328.400
329.715
328.600
329.915
328.800
330.115
329.000
330.316
329.200
330.516
329.400
330.716
329.600
330.916
329.800
331.116
330.000
331.317
330.200
331.517
330.400
331.717
330.600
331.917
330.800
332.118
331.000
332.318
331.200
332.518
331.400
332.718
331.600
332.919
331.800
333.119



332.000
333.319
332.200
333.519
332.400
333.719
332.600
333.920
332.800
334.120
333.000
334.320
333.200
334.520
333.400
334.721
333.600
334.921
333.800
335.121
334.000
335.321
334.200
335.522
334.400
335.722
334.600
335.922
334.800
336.122
335.000
336.322
335.200
336.523
335.400
336.723
335.600
336.923
335.800
337.123



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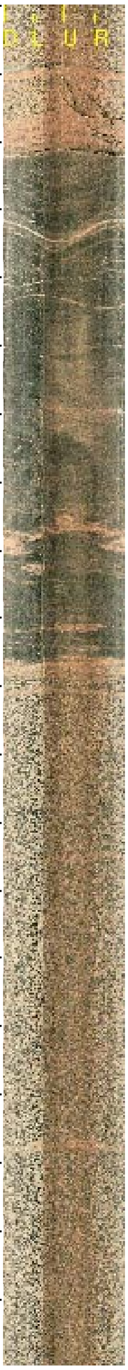
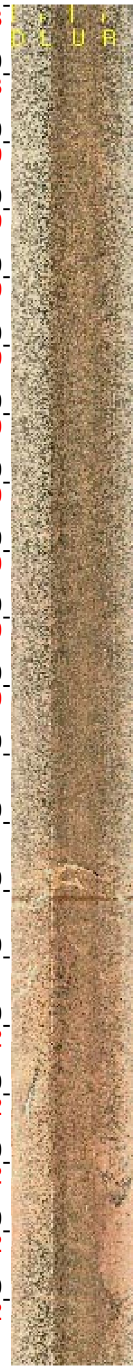
Borehole: KLX27A
Mapping: KLX27A_KJMSE_3

Depth range: 336.000 - 356.000 m
Azimuth: 0.7
Inclination: -64.0

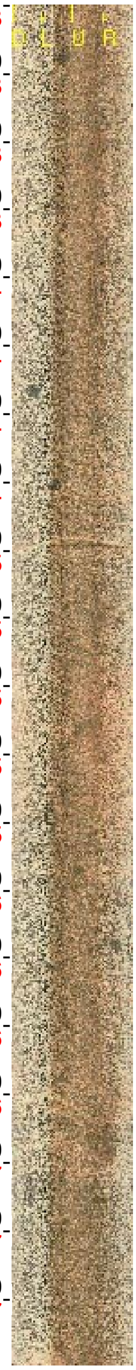
336.000
337.324
336.200
337.524
336.400
337.724
336.600
337.924
336.800
338.124
337.000
338.325
337.200
338.525
337.400
338.725
337.600
338.925
337.800
339.126
338.000
339.326
338.200
339.526
338.400
339.726
338.600
339.927
338.800
340.127
339.000
340.327
339.200
340.527
339.400
340.727
339.600
340.928
339.800
341.128



340.000
341.328
340.200
341.528
340.400
341.729
340.600
341.929
340.800
342.129
341.000
342.329
341.200
342.530
341.400
342.730
341.600
342.930
341.800
343.130
342.000
343.330
342.200
343.531
342.400
343.731
342.600
343.931
342.800
344.131
343.000
344.332
343.200
344.532
343.400
344.732
343.600
344.932
343.800
345.132

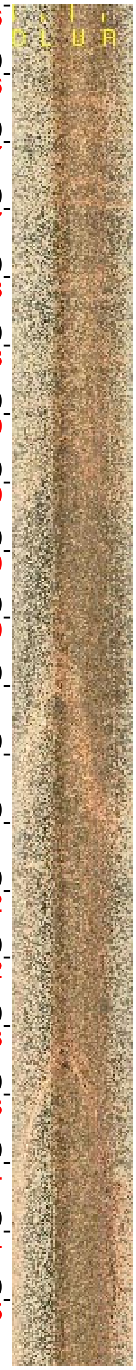


344.000
345.333
344.200
345.533
344.400
345.733
344.600
345.933
344.800
346.134
345.000
346.334
345.200
346.534
345.400
346.734
345.600
346.935
345.800
347.135
346.000
347.335
346.200
347.535
346.400
347.735
346.600
347.936
346.800
348.136
347.000
348.336
347.200
348.536
347.400
348.737
347.600
348.937
347.800
349.137



348.000
349.337
348.200
349.538
348.400
349.738
348.600
349.938
348.800
350.138
349.000
350.339
349.200
350.539
349.400
350.740
349.600
350.940
349.800
351.141
350.000
351.341
350.200
351.542
350.400
351.742
350.600
351.943
350.800
352.143
351.000
352.344
351.200
352.544
351.400
352.744
351.600
352.945
351.800
353.145

352.000
353.346
352.200
353.546
352.400
353.747
352.600
353.947
352.800
354.148
353.000
354.348
353.200
354.549
353.400
354.749
353.600
354.950
353.800
355.150
354.000
355.351
354.200
355.551
354.400
355.751
354.600
355.952
354.800
356.152
355.000
356.353
355.200
356.553
355.400
356.754
355.600
356.954
355.800
357.155

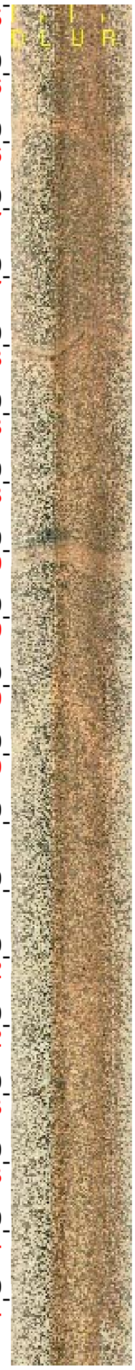


Printed: 2008-01-14 13:57:09 Scale: 1 : 20 Aspect: 150 % 15 (30)

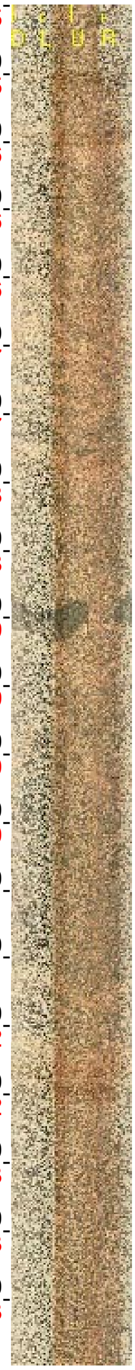
Borehole: KLX27A
Mapping: KLX27A_KJMSE_3

Depth range: 356.000 - 376.000 m
Azimuth: 0.5
Inclination: -63.9

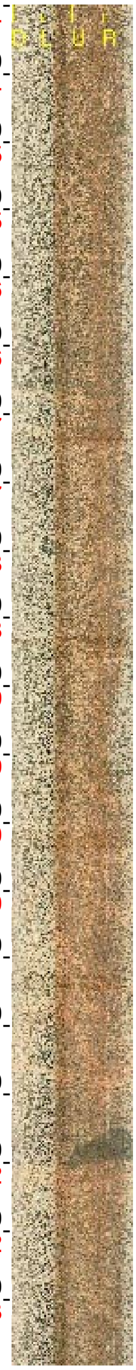
356.000 / 357.355
356.200 / 357.556
356.400 / 357.756
356.600 / 357.957
356.800 / 358.157
357.000 / 358.358
357.200 / 358.558
357.400 / 358.758
357.600 / 358.959
357.800 / 359.159
358.000 / 359.360
358.200 / 359.560
358.400 / 359.761
358.600 / 359.961
358.800 / 360.162
359.000 / 360.362
359.200 / 360.563
359.400 / 360.763
359.600 / 360.964
359.800 / 361.164



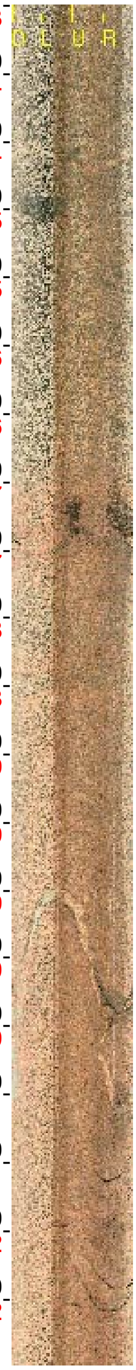
360.000 / 361.365
360.200 / 361.565
360.400 / 361.766
360.600 / 361.966
360.800 / 362.166
361.000 / 362.367
361.200 / 362.567
361.400 / 362.768
361.600 / 362.968
361.800 / 363.169
362.000 / 363.369
362.200 / 363.570
362.400 / 363.770
362.600 / 363.971
362.800 / 364.171
363.000 / 364.372
363.200 / 364.572
363.400 / 364.773
363.600 / 364.973
363.800 / 365.173



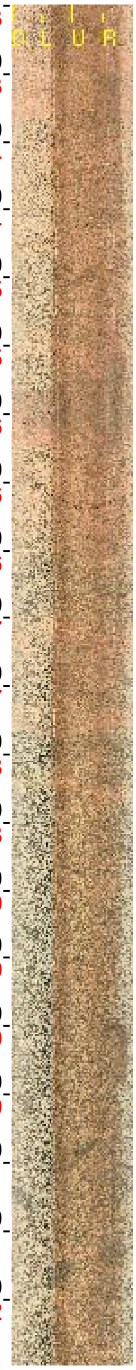
364.000 / 365.374
364.200 / 365.574
364.400 / 365.775
364.600 / 365.975
364.800 / 366.176
365.000 / 366.376
365.200 / 366.577
365.400 / 366.777
365.600 / 366.978
365.800 / 367.178
366.000 / 367.379
366.200 / 367.579
366.400 / 367.780
366.600 / 367.980
366.800 / 368.181
367.000 / 368.381
367.200 / 368.581
367.400 / 368.782
367.600 / 368.982
367.800 / 369.183



368.000 / 369.383
368.200 / 369.584
368.400 / 369.784
368.600 / 369.985
368.800 / 370.185
369.000 / 370.386
369.200 / 370.586
369.400 / 370.787
369.600 / 370.987
369.800 / 371.188
370.000 / 371.388
370.200 / 371.589
370.400 / 371.789
370.600 / 371.989
370.800 / 372.190
371.000 / 372.390
371.200 / 372.591
371.400 / 372.791
371.600 / 372.992
371.800 / 373.192



372.000 / 373.393
372.200 / 373.593
372.400 / 373.794
372.600 / 373.994
372.800 / 374.195
373.000 / 374.395
373.200 / 374.596
373.400 / 374.796
373.600 / 374.996
373.800 / 375.197
374.000 / 375.397
374.200 / 375.598
374.400 / 375.798
374.600 / 375.999
374.800 / 376.199
375.000 / 376.400
375.200 / 376.600
375.400 / 376.801
375.600 / 377.001
375.800 / 377.202

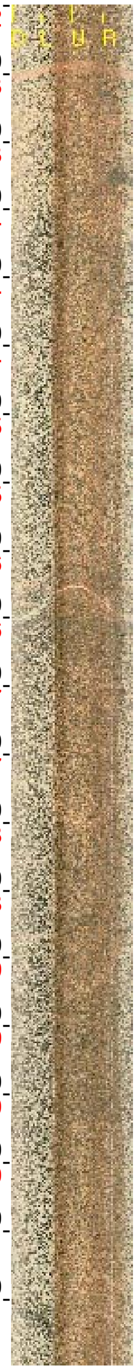


Printed: 2008-01-14 13:57:09 Scale: 1 : 20 Aspect: 150 % 16 (30)

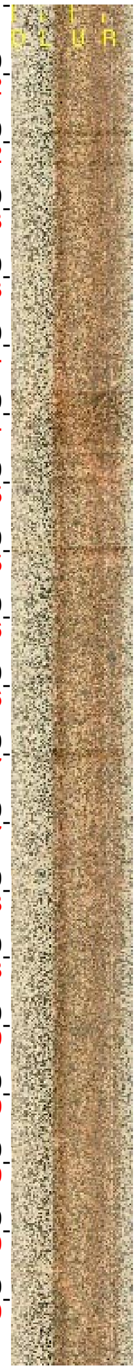
Borehole: KLX27A
Mapping: KLX27A_KJMSE_3

Depth range: 376.000 - 396.000 m
Azimuth: 0.6
Inclination: -63.8

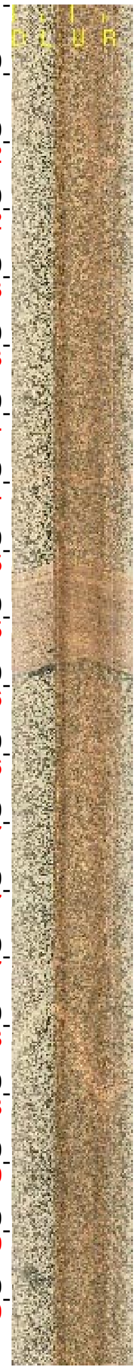
376.000 377.402
376.200 377.603
376.400 377.803
376.600 378.004
376.800 378.204
377.000 378.404
377.200 378.605
377.400 378.805
377.600 379.006
377.800 379.206
378.000 379.407
378.200 379.607
378.400 379.808
378.600 380.008
378.800 380.209
379.000 380.409
379.200 380.610
379.400 380.810
379.600 381.011
379.800 381.211



380.000 381.411
380.200 381.612
380.400 381.812
380.600 382.013
380.800 382.213
381.000 382.414
381.200 382.614
381.400 382.815
381.600 383.015
381.800 383.216
382.000 383.416
382.200 383.617
382.400 383.817
382.600 384.018
382.800 384.218
383.000 384.419
383.200 384.619
383.400 384.819
383.600 385.020
383.800 385.220

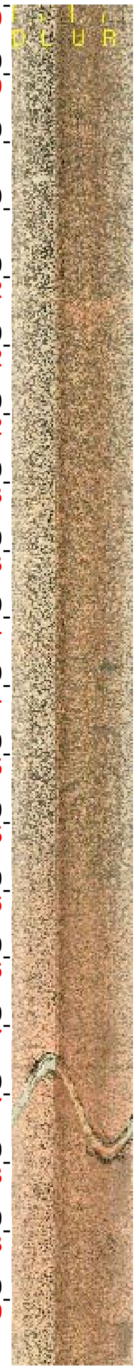


384.000 385.421
384.200 385.621
384.400 385.822
384.600 386.022
384.800 386.223
385.000 386.423
385.200 386.624
385.400 386.824
385.600 387.025
385.800 387.225
386.000 387.426
386.200 387.626
386.400 387.827
386.600 388.027
386.800 388.227
387.000 388.428
387.200 388.628
387.400 388.829
387.600 389.029
387.800 389.230



388.000 389.430
388.200 389.631
388.400 389.831
388.600 390.032
388.800 390.232
389.000 390.433
389.200 390.633
389.400 390.834
389.600 391.034
389.800 391.234
390.000 391.435
390.200 391.635
390.400 391.836
390.600 392.036
390.800 392.237
391.000 392.437
391.200 392.638
391.400 392.838
391.600 393.039
391.800 393.239

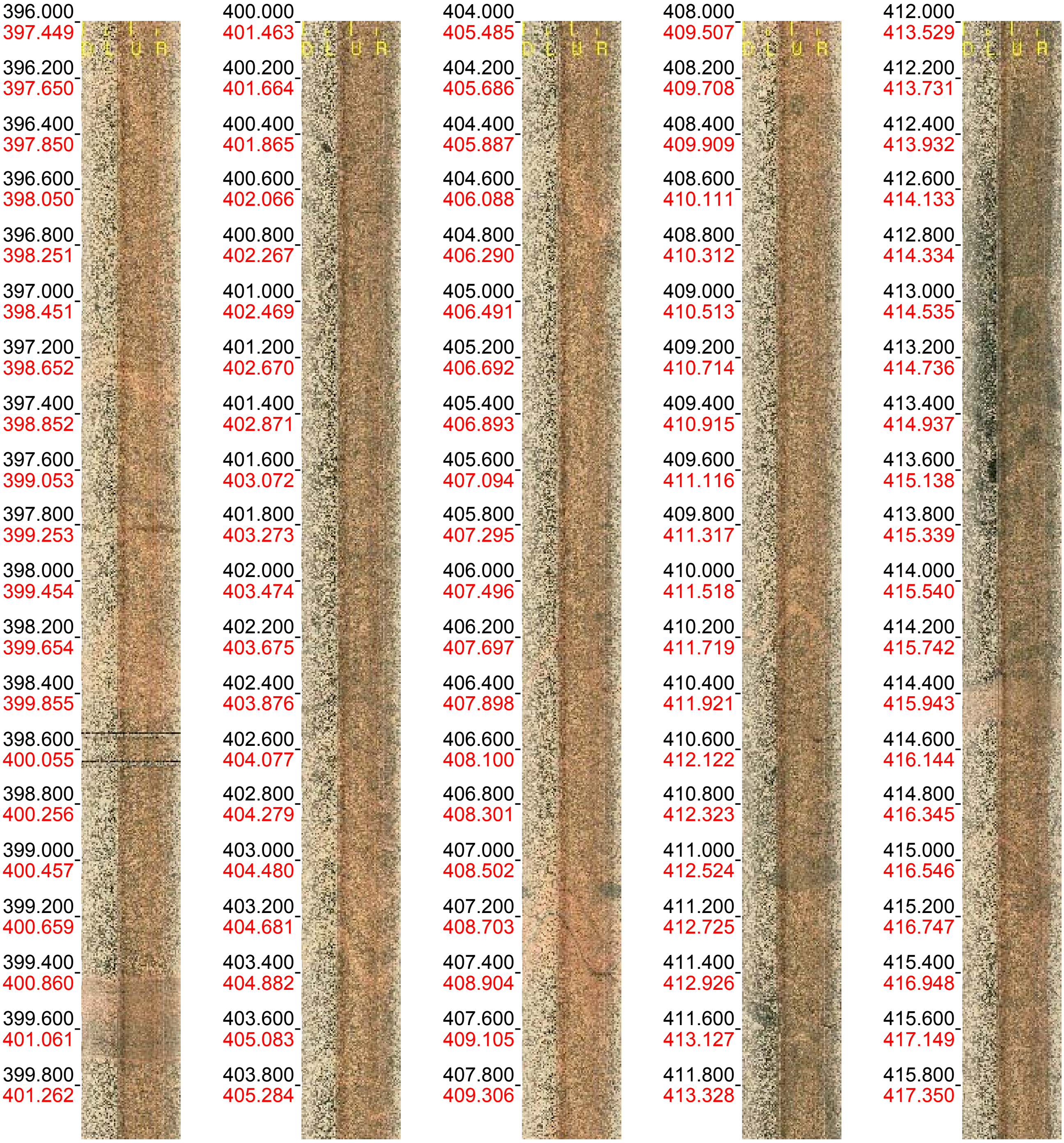
392.000 393.440
392.200 393.640
392.400 393.841
392.600 394.041
392.800 394.242
393.000 394.442
393.200 394.642
393.400 394.843
393.600 395.043
393.800 395.244
394.000 395.444
394.200 395.645
394.400 395.845
394.600 396.046
394.800 396.246
395.000 396.447
395.200 396.647
395.400 396.848
395.600 397.048
395.800 397.249



Printed: 2008-01-14 13:57:09 Scale: 1 : 20 Aspect: 150 % 17 (30)

Borehole: KLX27A
Mapping: KLX27A_KJMSE_3

Depth range: 396.000 - 416.000 m
Azimuth: 0.3
Inclination: -63.7

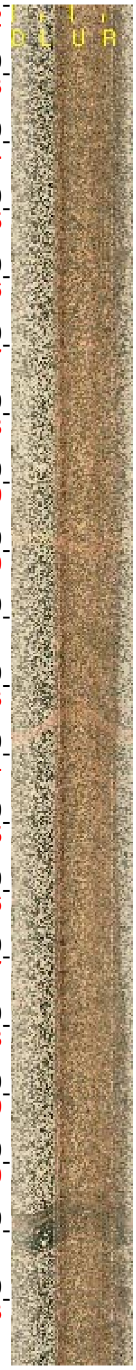


Printed: 2008-01-14 13:57:09 Scale: 1 : 20 Aspect: 150 % 18 (30)

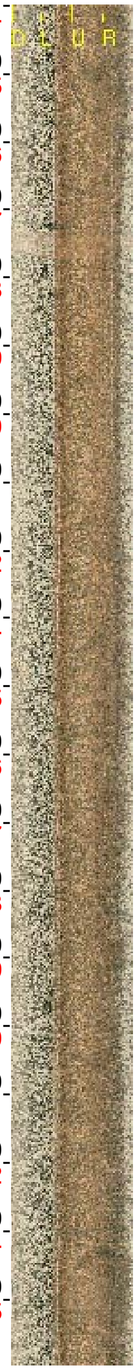
Borehole: KLX27A
Mapping: KLX27A_KJMSE_3

Depth range: 416.000 - 436.000 m
Azimuth: 0.1
Inclination: -63.6

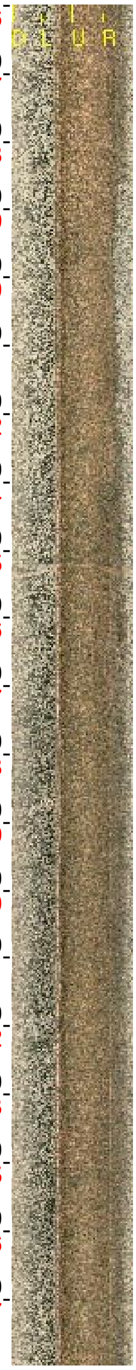
416.000	417.552
416.200	417.753
416.400	417.954
416.600	418.155
416.800	418.356
417.000	418.557
417.200	418.758
417.400	418.959
417.600	419.160
417.800	419.361
418.000	419.563
418.200	419.764
418.400	419.965
418.600	420.166
418.800	420.367
419.000	420.568
419.200	420.769
419.400	420.970
419.600	421.171
419.800	421.373



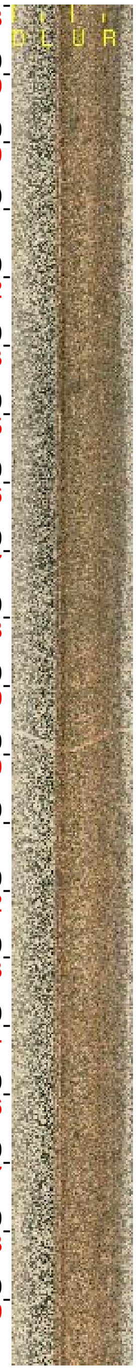
420.000	421.574
420.200	421.775
420.400	421.976
420.600	422.177
420.800	422.378
421.000	422.579
421.200	422.780
421.400	422.981
421.600	423.182
421.800	423.384
422.000	423.585
422.200	423.786
422.400	423.987
422.600	424.188
422.800	424.389
423.000	424.590
423.200	424.791
423.400	424.992
423.600	425.194
423.800	425.395



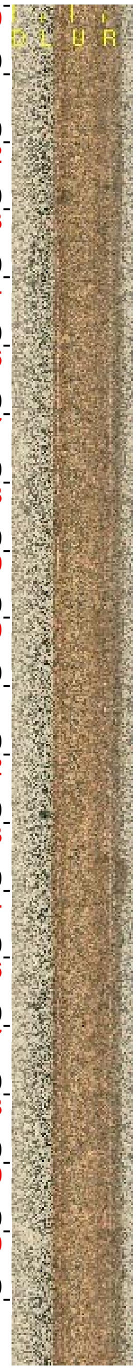
424.000	425.596
424.200	425.797
424.400	425.998
424.600	426.199
424.800	426.400
425.000	426.601
425.200	426.802
425.400	427.004
425.600	427.205
425.800	427.406
426.000	427.607
426.200	427.808
426.400	428.009
426.600	428.210
426.800	428.411
427.000	428.612
427.200	428.813
427.400	429.015
427.600	429.216
427.800	429.417



428.000	429.618
428.200	429.819
428.400	430.020
428.600	430.221
428.800	430.422
429.000	430.623
429.200	430.825
429.400	431.026
429.600	431.227
429.800	431.428
430.000	431.629
430.200	431.830
430.400	432.031
430.600	432.232
430.800	432.433
431.000	432.634
431.200	432.836
431.400	433.037
431.600	433.238
431.800	433.439



432.000	433.640
432.200	433.841
432.400	434.042
432.600	434.243
432.800	434.444
433.000	434.646
433.200	434.847
433.400	435.048
433.600	435.249
433.800	435.450
434.000	435.651
434.200	435.852
434.400	436.053
434.600	436.254
434.800	436.456
435.000	436.657
435.200	436.858
435.400	437.059
435.600	437.260
435.800	437.461

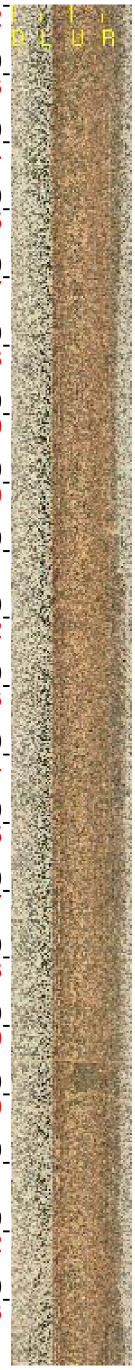


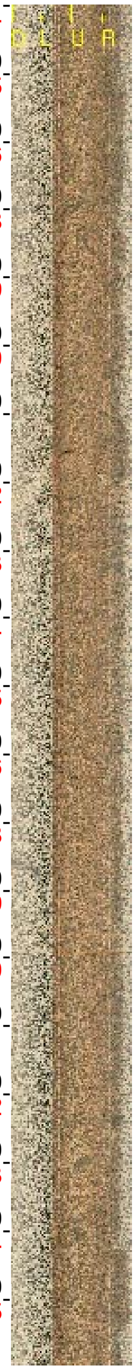
Printed: 2008-01-14 13:57:09 Scale: 1 : 20 Aspect: 150 % 19 (30)

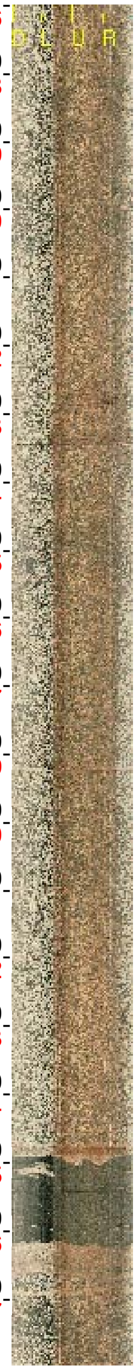
Borehole: KLX27A
Mapping: KLX27A_KJMSE_3

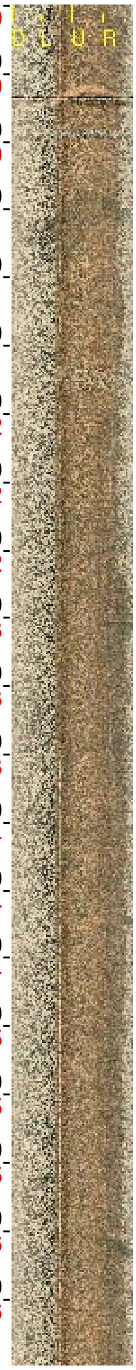
Depth range: 436.000 - 456.000 m
Azimuth: 0.2
Inclination: -63.5

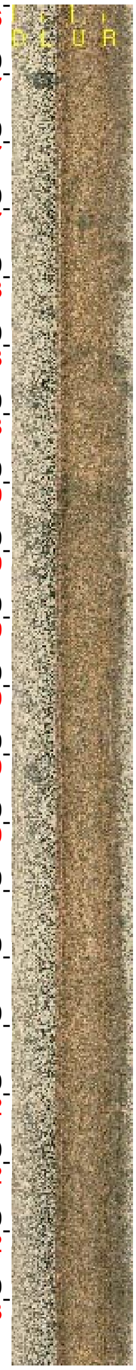
436.000	437.662	440.000	441.684	444.000	445.706	448.000	449.729	452.000	453.736
436.200	437.863	440.200	441.885	444.200	445.908	448.200	449.930	452.200	453.937
436.400	438.064	440.400	442.086	444.400	446.109	448.400	450.130	452.400	454.137
436.600	438.265	440.600	442.288	444.600	446.310	448.600	450.331	452.600	454.337
436.800	438.467	440.800	442.489	444.800	446.511	448.800	450.531	452.800	454.538
437.000	438.668	441.000	442.690	445.000	446.712	449.000	450.731	453.000	454.738
437.200	438.869	441.200	442.891	445.200	446.913	449.200	450.932	453.200	454.938
437.400	439.070	441.400	443.092	445.400	447.114	449.400	451.132	453.400	455.139
437.600	439.271	441.600	443.293	445.600	447.315	449.600	451.332	453.600	455.339
437.800	439.472	441.800	443.494	445.800	447.516	449.800	451.533	453.800	455.539
438.000	439.673	442.000	443.695	446.000	447.717	450.000	451.733	454.000	455.740
438.200	439.874	442.200	443.896	446.200	447.919	450.200	451.933	454.200	455.940
438.400	440.075	442.400	444.098	446.400	448.120	450.400	452.134	454.400	456.140
438.600	440.277	442.600	444.299	446.600	448.321	450.600	452.334	454.600	456.341
438.800	440.478	442.800	444.500	446.800	448.522	450.800	452.534	454.800	456.541
439.000	440.679	443.000	444.701	447.000	448.723	451.000	452.735	455.000	456.741
439.200	440.880	443.200	444.902	447.200	448.924	451.200	452.935	455.200	456.942
439.400	441.081	443.400	445.103	447.400	449.125	451.400	453.135	455.400	457.142
439.600	441.282	443.600	445.304	447.600	449.326	451.600	453.336	455.600	457.342
439.800	441.483	443.800	445.505	447.800	449.527	451.800	453.536	455.800	457.543









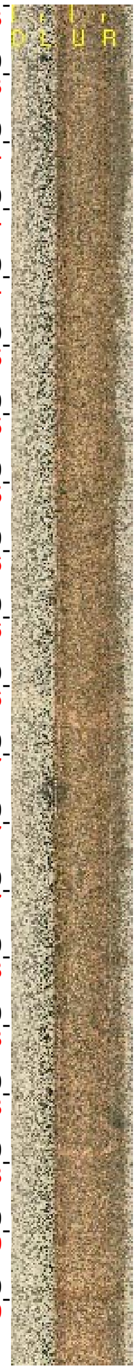


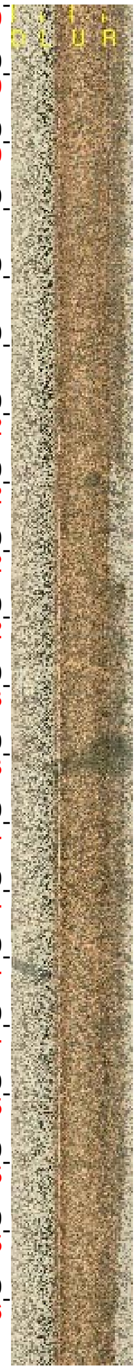
Printed: 2008-01-14 13:57:09 Scale: 1 : 20 Aspect: 150 % 20 (30)

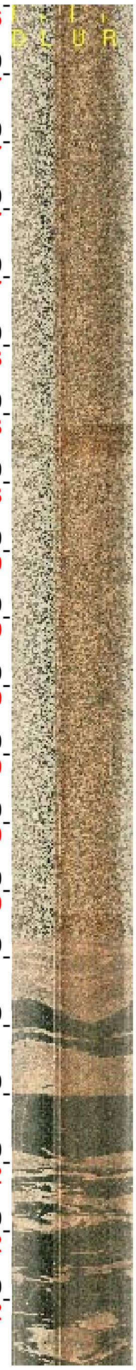
Borehole: KLX27A
Mapping: KLX27A_KJMSE_3

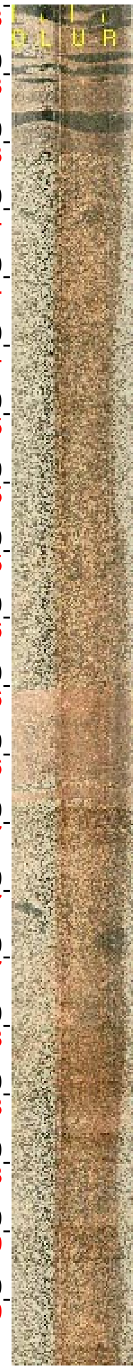
Depth range: 456.000 - 476.000 m
Azimuth: 359.9
Inclination: -63.3

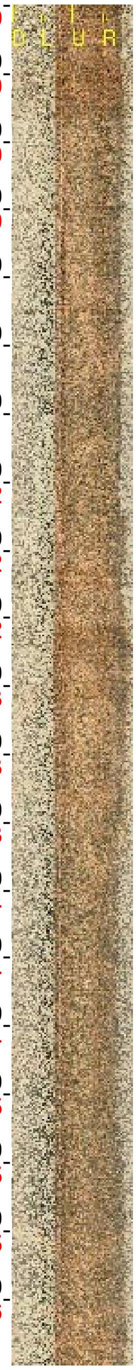
456.000	457.743	460.000	461.750	464.000	465.756	468.000	469.763	472.000	473.769
456.200	457.943	460.200	461.950	464.200	465.957	468.200	469.963	472.200	473.970
456.400	458.144	460.400	462.150	464.400	466.157	468.400	470.163	472.400	474.170
456.600	458.344	460.600	462.351	464.600	466.357	468.600	470.364	472.600	474.370
456.800	458.544	460.800	462.551	464.800	466.557	468.800	470.564	472.800	474.571
457.000	458.745	461.000	462.751	465.000	466.758	469.000	470.764	473.000	474.771
457.200	458.945	461.200	462.952	465.200	466.958	469.200	470.965	473.200	474.971
457.400	459.145	461.400	463.152	465.400	467.158	469.400	471.165	473.400	475.172
457.600	459.346	461.600	463.352	465.600	467.359	469.600	471.365	473.600	475.372
457.800	459.546	461.800	463.552	465.800	467.559	469.800	471.566	473.800	475.572
458.000	459.746	462.000	463.753	466.000	467.759	470.000	471.766	474.000	475.773
458.200	459.947	462.200	463.953	466.200	467.960	470.200	471.966	474.200	475.973
458.400	460.147	462.400	464.154	466.400	468.160	470.400	472.167	474.400	476.173
458.600	460.347	462.600	464.354	466.600	468.360	470.600	472.367	474.600	476.374
458.800	460.548	462.800	464.554	466.800	468.561	470.800	472.567	474.800	476.574
459.000	460.748	463.000	464.754	467.000	468.761	471.000	472.768	475.000	476.774
459.200	460.948	463.200	464.955	467.200	468.961	471.200	472.968	475.200	476.975
459.400	461.148	463.400	465.155	467.400	469.162	471.400	473.168	475.400	477.175
459.600	461.349	463.600	465.355	467.600	469.362	471.600	473.369	475.600	477.375
459.800	461.549	463.800	465.556	467.800	469.562	471.800	473.569	475.800	477.576









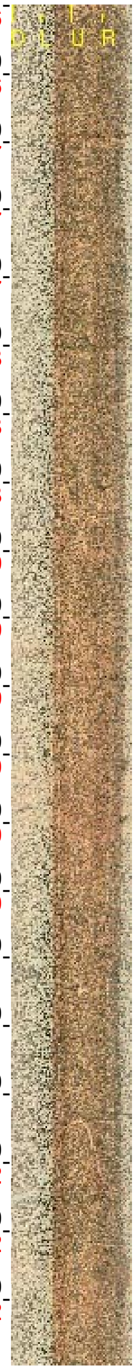


Printed: 2008-01-14 13:57:09 Scale: 1 : 20 Aspect: 150 % 21 (30)

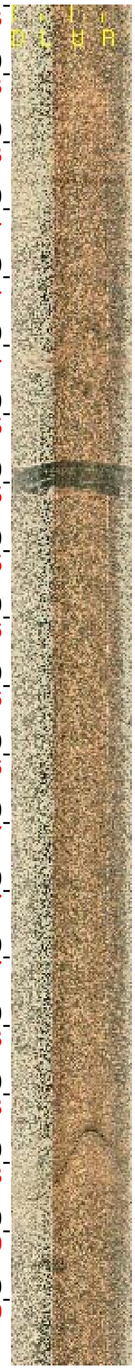
Borehole: KLX27A
Mapping: KLX27A_KJMSE_3

Depth range: 476.000 - 496.000 m
Azimuth: 359.8
Inclination: -63.3

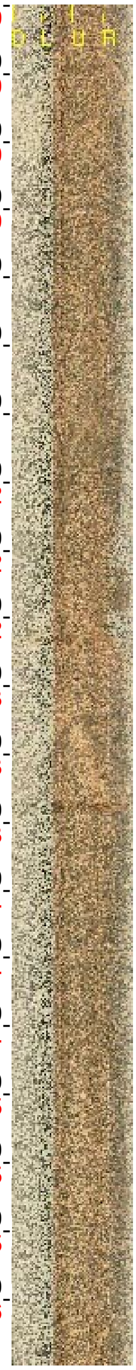
476.000	477.776
476.200	477.976
476.400	478.177
476.600	478.377
476.800	478.577
477.000	478.778
477.200	478.978
477.400	479.178
477.600	479.379
477.800	479.579
478.000	479.779
478.200	479.980
478.400	480.180
478.600	480.380
478.800	480.581
479.000	480.781
479.200	480.981
479.400	481.182
479.600	481.382
479.800	481.582



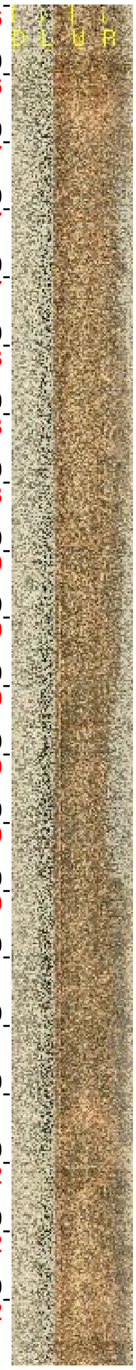
480.000	481.783
480.200	481.983
480.400	482.183
480.600	482.384
480.800	482.584
481.000	482.784
481.200	482.985
481.400	483.185
481.600	483.385
481.800	483.586
482.000	483.786
482.200	483.986
482.400	484.187
482.600	484.387
482.800	484.587
483.000	484.788
483.200	484.988
483.400	485.188
483.600	485.389
483.800	485.589



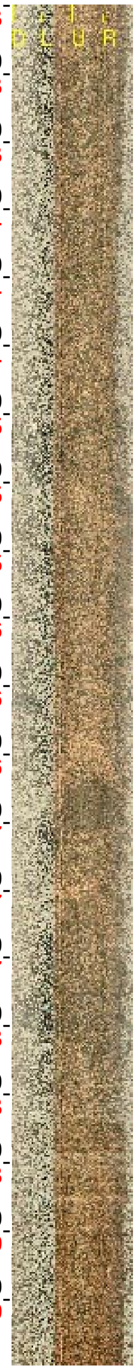
484.000	485.789
484.200	485.990
484.400	486.190
484.600	486.390
484.800	486.591
485.000	486.791
485.200	486.991
485.400	487.192
485.600	487.392
485.800	487.592
486.000	487.793
486.200	487.993
486.400	488.193
486.600	488.394
486.800	488.594
487.000	488.794
487.200	488.995
487.400	489.195
487.600	489.395
487.800	489.596



488.000	489.796
488.200	489.996
488.400	490.197
488.600	490.397
488.800	490.597
489.000	490.798
489.200	490.998
489.400	491.198
489.600	491.399
489.800	491.599
490.000	491.799
490.200	492.000
490.400	492.200
490.600	492.400
490.800	492.601
491.000	492.801
491.200	493.001
491.400	493.202
491.600	493.402
491.800	493.602



492.000	493.803
492.200	494.003
492.400	494.203
492.600	494.404
492.800	494.604
493.000	494.804
493.200	495.005
493.400	495.205
493.600	495.405
493.800	495.606
494.000	495.806
494.200	496.006
494.400	496.207
494.600	496.407
494.800	496.607
495.000	496.808
495.200	497.008
495.400	497.208
495.600	497.409
495.800	497.609

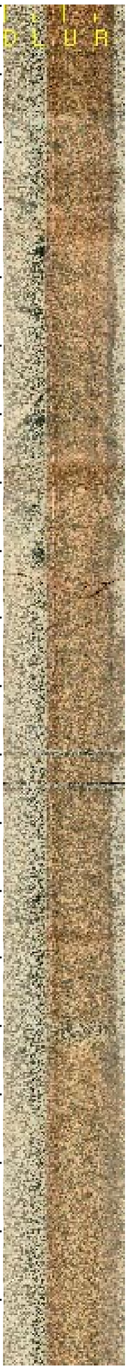


Printed: 2008-01-14 13:57:09   Scale: 1 : 20   Aspect: 150 %   22 (30)

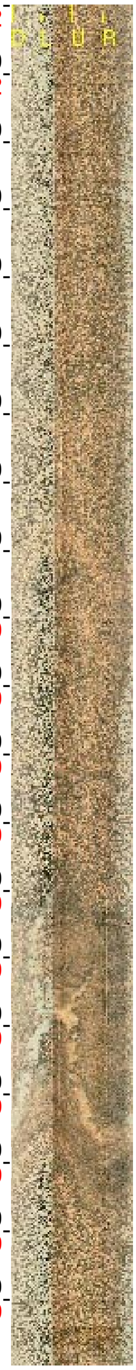
Borehole: KLX27A
Mapping: KLX27A_KJMSE_3

Depth range: 496.000 - 516.000 m
Azimuth: 359.9
Inclination: -63.2

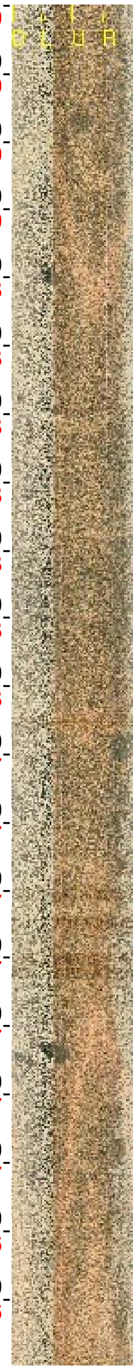
496.000	497.809
496.200	498.010
496.400	498.210
496.600	498.410
496.800	498.611
497.000	498.811
497.200	499.011
497.400	499.212
497.600	499.412
497.800	499.612
498.000	499.813
498.200	500.013
498.400	500.213
498.600	500.413
498.800	500.613
499.000	500.812
499.200	501.012
499.400	501.212
499.600	501.412
499.800	501.612



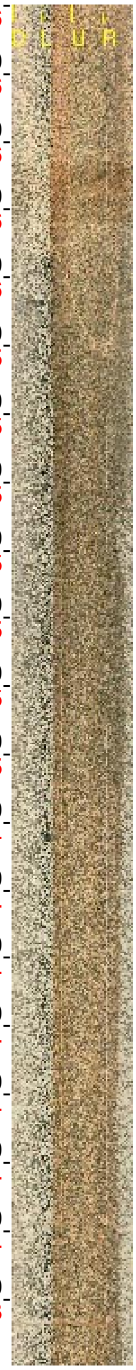
500.000	501.812
500.200	502.012
500.400	502.211
500.600	502.411
500.800	502.611
501.000	502.811
501.200	503.011
501.400	503.211
501.600	503.411
501.800	503.610
502.000	503.810
502.200	504.010
502.400	504.210
502.600	504.410
502.800	504.610
503.000	504.810
503.200	505.009
503.400	505.209
503.600	505.409
503.800	505.609



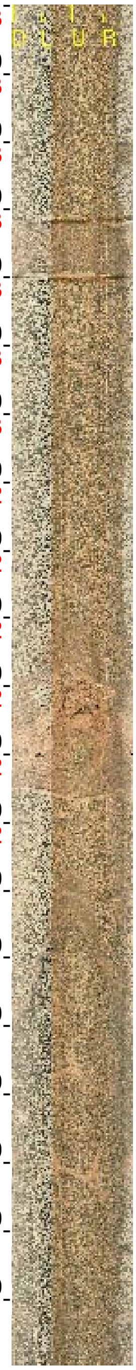
504.000	505.809
504.200	506.009
504.400	506.209
504.600	506.409
504.800	506.608
505.000	506.808
505.200	507.008
505.400	507.208
505.600	507.408
505.800	507.608
506.000	507.808
506.200	508.007
506.400	508.207
506.600	508.407
506.800	508.607
507.000	508.807
507.200	509.007
507.400	509.207
507.600	509.406
507.800	509.606



508.000	509.806
508.200	510.006
508.400	510.206
508.600	510.406
508.800	510.606
509.000	510.805
509.200	511.005
509.400	511.205
509.600	511.405
509.800	511.605
510.000	511.805
510.200	512.005
510.400	512.204
510.600	512.404
510.800	512.604
511.000	512.804
511.200	513.004
511.400	513.204
511.600	513.404
511.800	513.603



512.000	513.803
512.200	514.003
512.400	514.203
512.600	514.403
512.800	514.603
513.000	514.803
513.200	515.003
513.400	515.202
513.600	515.402
513.800	515.602
514.000	515.802
514.200	516.002
514.400	516.202
514.600	516.401
514.800	516.601
515.000	516.801
515.200	517.001
515.400	517.201
515.600	517.401
515.800	517.601

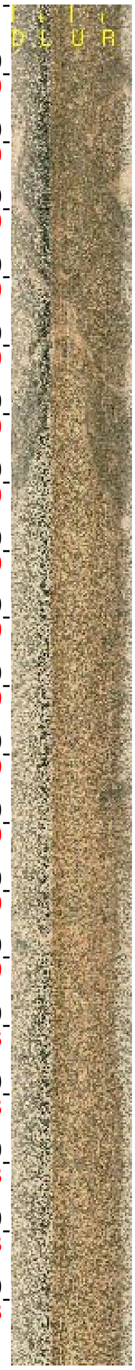


Printed: 2008-01-14 13:57:09 Scale: 1 : 20 Aspect: 150 % 23 (30)

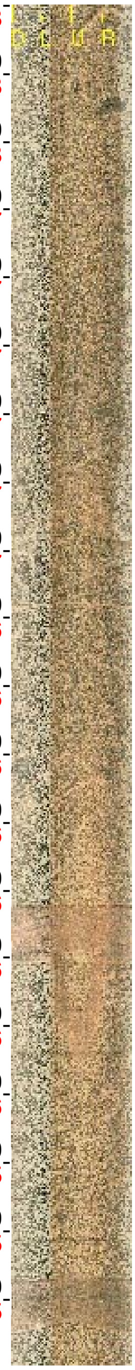
Borehole: KLX27A
Mapping: KLX27A_KJMSE_3

Depth range: 516.000 - 536.000 m
Azimuth: 359.9
Inclination: -63.0

516.000	517.801
516.200	518.000
516.400	518.200
516.600	518.400
516.800	518.600
517.000	518.800
517.200	519.000
517.400	519.200
517.600	519.399
517.800	519.599
518.000	519.799
518.200	519.999
518.400	520.199
518.600	520.399
518.800	520.599
519.000	520.798
519.200	520.998
519.400	521.198
519.600	521.398
519.800	521.598

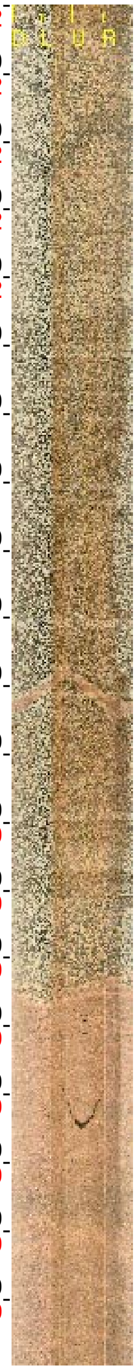


520.000	521.798
520.200	521.998
520.400	522.198
520.600	522.397
520.800	522.597
521.000	522.797
521.200	522.997
521.400	523.197
521.600	523.397
521.800	523.596
522.000	523.796
522.200	523.996
522.400	524.196
522.600	524.396
522.800	524.596
523.000	524.796
523.200	524.996
523.400	525.195
523.600	525.395
523.800	525.595

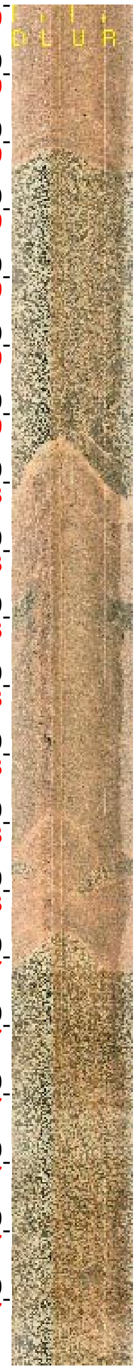


524.000	525.795
524.200	525.995
524.400	526.195
524.600	526.395
524.800	526.594
525.000	526.794
525.200	526.994
525.400	527.194
525.600	527.394
525.800	527.594
526.000	527.794
526.200	527.993
526.400	528.193
526.600	528.393
526.800	528.593
527.000	528.793
527.200	528.993
527.400	529.193
527.600	529.392
527.800	529.592

528.000	529.792
528.200	529.992
528.400	530.192
528.600	530.392
528.800	530.592
529.000	530.791
529.200	530.991
529.400	531.191
529.600	531.391
529.800	531.591
530.000	531.791
530.200	531.991
530.400	532.190
530.600	532.390
530.800	532.590
531.000	532.790
531.200	532.990
531.400	533.190
531.600	533.390
531.800	533.589



532.000	533.789
532.200	533.989
532.400	534.189
532.600	534.389
532.800	534.589
533.000	534.789
533.200	534.989
533.400	535.188
533.600	535.388
533.800	535.588
534.000	535.788
534.200	535.988
534.400	536.188
534.600	536.388
534.800	536.587
535.000	536.787
535.200	536.987
535.400	537.187
535.600	537.387
535.800	537.587



Printed: 2008-01-14 13:57:09 Scale: 1 : 20 Aspect: 150 % 24 (30)

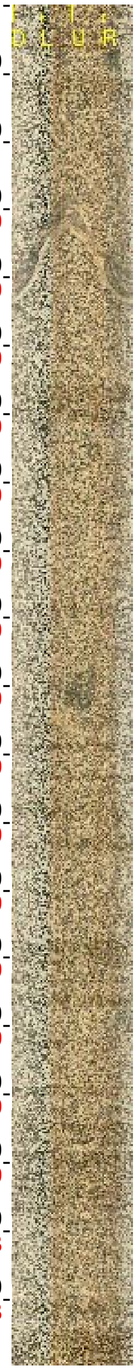
Borehole: KLX27A
Mapping: KLX27A_KJMSE_3

Depth range: 536.000 - 556.000 m
Azimuth: 0.0
Inclination: -62.8

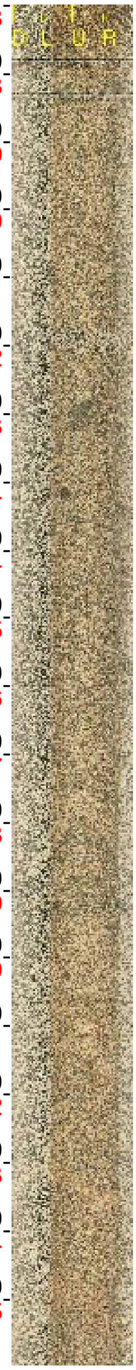
536.000	537.787
536.200	537.986
536.400	538.186
536.600	538.386
536.800	538.586
537.000	538.786
537.200	538.986
537.400	539.186
537.600	539.385
537.800	539.585
538.000	539.785
538.200	539.985
538.400	540.185
538.600	540.385
538.800	540.585
539.000	540.784
539.200	540.984
539.400	541.184
539.600	541.384
539.800	541.584

540.000	541.784
540.200	541.984
540.400	542.184
540.600	542.383
540.800	542.583
541.000	542.783
541.200	542.983
541.400	543.183
541.600	543.383
541.800	543.583
542.000	543.782
542.200	543.982
542.400	544.182
542.600	544.382
542.800	544.582
543.000	544.782
543.200	544.982
543.400	545.181
543.600	545.381
543.800	545.581

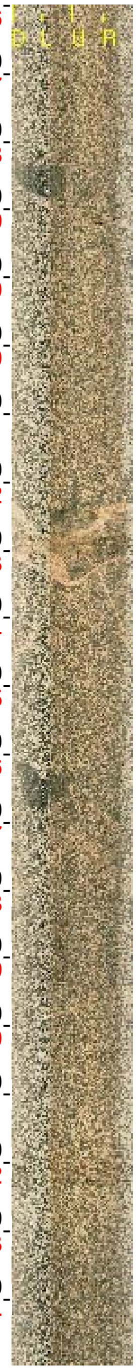
544.000	545.781
544.200	545.981
544.400	546.181
544.600	546.380
544.800	546.580
545.000	546.780
545.200	546.980
545.400	547.180
545.600	547.380
545.800	547.580
546.000	547.780
546.200	547.979
546.400	548.179
546.600	548.379
546.800	548.579
547.000	548.779
547.200	548.979
547.400	549.179
547.600	549.378
547.800	549.578



548.000	549.778
548.200	549.978
548.400	550.179
548.600	550.380
548.800	550.581
549.000	550.782
549.200	550.983
549.400	551.184
549.600	551.384
549.800	551.585
550.000	551.786
550.200	551.987
550.400	552.188
550.600	552.389
550.800	552.590
551.000	552.791
551.200	552.992
551.400	553.193
551.600	553.394
551.800	553.595



552.000	553.796
552.200	553.997
552.400	554.198
552.600	554.399
552.800	554.600
553.000	554.800
553.200	555.001
553.400	555.202
553.600	555.403
553.800	555.604
554.000	555.805
554.200	556.006
554.400	556.207
554.600	556.408
554.800	556.609
555.000	556.810
555.200	557.011
555.400	557.212
555.600	557.413
555.800	557.614

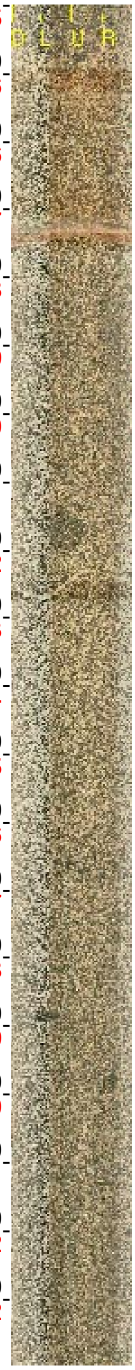


Printed: 2008-01-14 13:57:09 Scale: 1 : 20 Aspect: 150 % 25 (30)

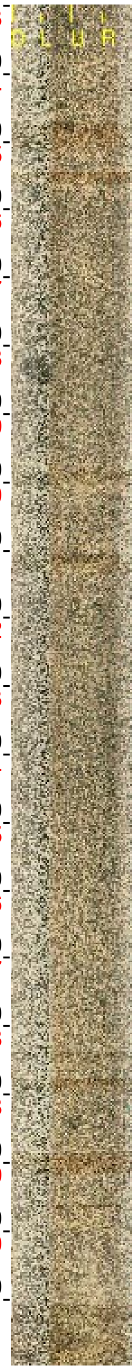
Borehole: KLX27A
Mapping: KLX27A_KJMSE_3

Depth range: 556.000 - 576.000 m
Azimuth: 360.0
Inclination: -62.6

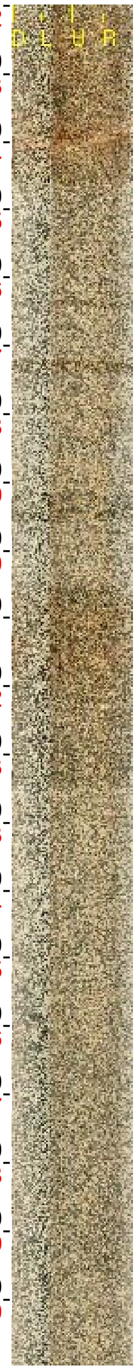
556.000
557.815
556.200
558.016
556.400
558.216
556.600
558.417
556.800
558.618
557.000
558.819
557.200
559.020
557.400
559.221
557.600
559.422
557.800
559.623
558.000
559.824
558.200
560.025
558.400
560.226
558.600
560.427
558.800
560.628
559.000
560.829
559.200
561.030
559.400
561.231
559.600
561.432
559.800
561.632



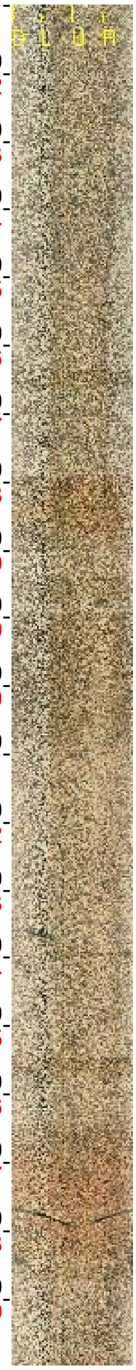
560.000
561.833
560.200
562.034
560.400
562.235
560.600
562.436
560.800
562.637
561.000
562.838
561.200
563.039
561.400
563.240
561.600
563.441
561.800
563.642
562.000
563.843
562.200
564.044
562.400
564.245
562.600
564.446
562.800
564.647
563.000
564.848
563.200
565.048
563.400
565.249
563.600
565.450
563.800
565.651



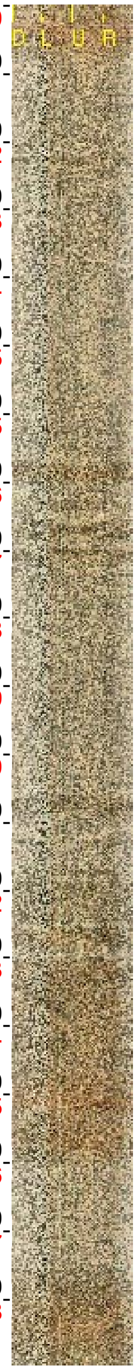
564.000
565.852
564.200
566.053
564.400
566.254
564.600
566.455
564.800
566.656
565.000
566.857
565.200
567.058
565.400
567.259
565.600
567.460
565.800
567.661
566.000
567.862
566.200
568.063
566.400
568.263
566.600
568.464
566.800
568.665
567.000
568.866
567.200
569.067
567.400
569.268
567.600
569.469
567.800
569.670



568.000
569.871
568.200
570.072
568.400
570.273
568.600
570.474
568.800
570.675
569.000
570.876
569.200
571.077
569.400
571.278
569.600
571.479
569.800
571.679
570.000
571.880
570.200
572.081
570.400
572.282
570.600
572.483
570.800
572.684
571.000
572.885
571.200
573.086
571.400
573.287
571.600
573.488
571.800
573.689



572.000
573.890
572.200
574.091
572.400
574.292
572.600
574.493
572.800
574.694
573.000
574.895
573.200
575.095
573.400
575.296
573.600
575.497
573.800
575.698
574.000
575.899
574.200
576.100
574.400
576.301
574.600
576.502
574.800
576.703
575.000
576.904
575.200
577.105
575.400
577.306
575.600
577.507
575.800
577.708



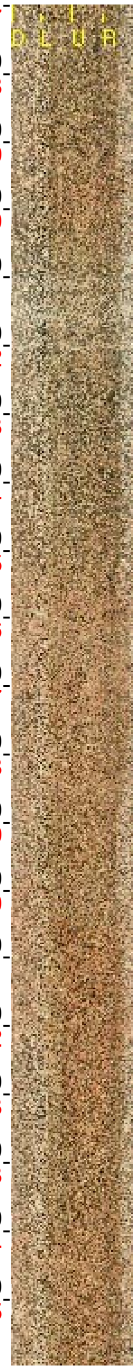
Printed: 2008-01-14 13:57:09 Scale: 1 : 20 Aspect: 150 % 26 (30)

Borehole: KLX27A
Mapping: KLX27A_KJMSE_3

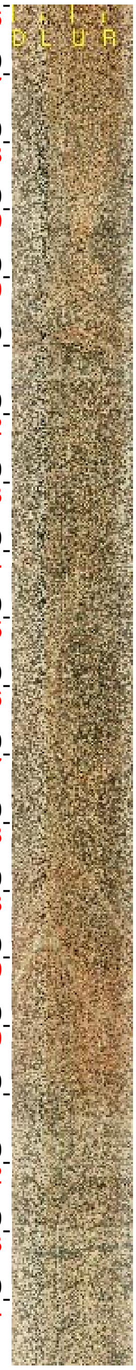
Depth range: 576.000 - 596.000 m
Azimuth: 0.2
Inclination: -62.5

576.000	577.909
576.200	578.110
576.400	578.311
576.600	578.511
576.800	578.712
577.000	578.913
577.200	579.114
577.400	579.315
577.600	579.516
577.800	579.717
578.000	579.918
578.200	580.119
578.400	580.320
578.600	580.521
578.800	580.722
579.000	580.923
579.200	581.124
579.400	581.325
579.600	581.526
579.800	581.727

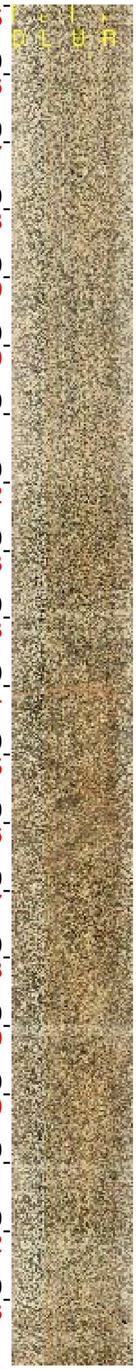
580.000	581.927
580.200	582.128
580.400	582.329
580.600	582.530
580.800	582.731
581.000	582.932
581.200	583.133
581.400	583.334
581.600	583.535
581.800	583.736
582.000	583.937
582.200	584.138
582.400	584.339
582.600	584.540
582.800	584.741
583.000	584.942
583.200	585.143
583.400	585.343
583.600	585.544
583.800	585.745



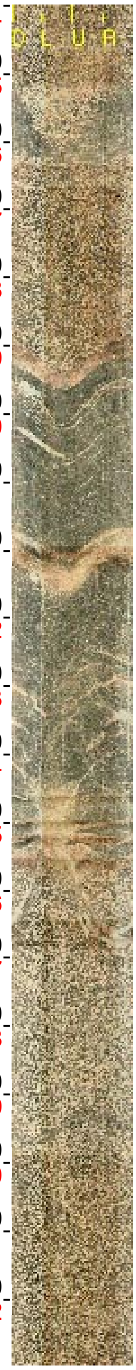
584.000	585.946
584.200	586.147
584.400	586.348
584.600	586.549
584.800	586.750
585.000	586.951
585.200	587.152
585.400	587.353
585.600	587.554
585.800	587.755
586.000	587.956
586.200	588.157
586.400	588.358
586.600	588.558
586.800	588.759
587.000	588.960
587.200	589.161
587.400	589.362
587.600	589.563
587.800	589.764



588.000	589.965
588.200	590.166
588.400	590.367
588.600	590.568
588.800	590.769
589.000	590.970
589.200	591.171
589.400	591.372
589.600	591.573
589.800	591.773
590.000	591.974
590.200	592.175
590.400	592.376
590.600	592.577
590.800	592.778
591.000	592.979
591.200	593.180
591.400	593.381
591.600	593.582
591.800	593.783



592.000	593.984
592.200	594.185
592.400	594.386
592.600	594.587
592.800	594.788
593.000	594.989
593.200	595.190
593.400	595.391
593.600	595.591
593.800	595.792
594.000	595.993
594.200	596.194
594.400	596.395
594.600	596.596
594.800	596.797
595.000	596.998
595.200	597.199
595.400	597.400
595.600	597.601
595.800	597.802



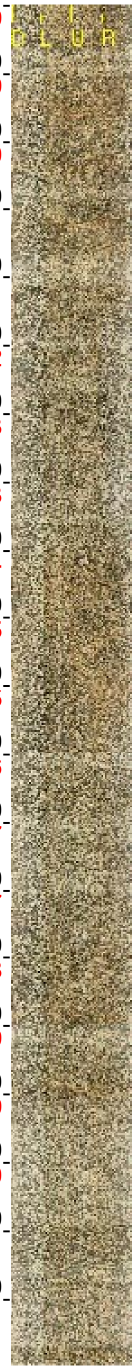
Printed: 2008-01-14 13:57:09 Scale: 1 : 20 Aspect: 150 % 27 (30)

Borehole: KLX27A
Mapping: KLX27A_KJMSE_3

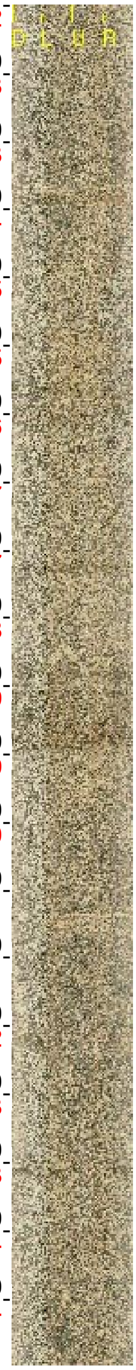
Depth range: 596.000 - 616.000 m
Azimuth: 359.7
Inclination: -62.4

596.000 598.003
596.200 598.204
596.400 598.405
596.600 598.605
596.800 598.806
597.000 599.007
597.200 599.208
597.400 599.409
597.600 599.610
597.800 599.811
598.000 600.012
598.200 600.213
598.400 600.413
598.600 600.614
598.800 600.815
599.000 601.015
599.200 601.216
599.400 601.417
599.600 601.617
599.800 601.818

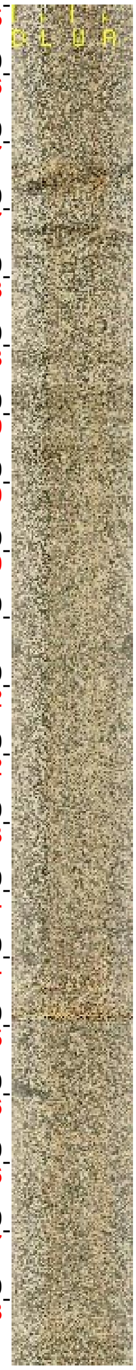
600.000 602.019
600.200 602.219
600.400 602.420
600.600 602.621
600.800 602.821
601.000 603.022
601.200 603.223
601.400 603.423
601.600 603.624
601.800 603.825
602.000 604.025
602.200 604.226
602.400 604.427
602.600 604.627
602.800 604.828
603.000 605.029
603.200 605.229
603.400 605.430
603.600 605.631
603.800 605.831



604.000 606.032
604.200 606.233
604.400 606.433
604.600 606.634
604.800 606.835
605.000 607.035
605.200 607.236
605.400 607.437
605.600 607.637
605.800 607.838
606.000 608.039
606.200 608.239
606.400 608.440
606.600 608.641
606.800 608.841
607.000 609.042
607.200 609.243
607.400 609.443
607.600 609.644
607.800 609.844



608.000 610.045
608.200 610.246
608.400 610.447
608.600 610.647
608.800 610.848
609.000 611.048
609.200 611.249
609.400 611.450
609.600 611.650
609.800 611.851
610.000 612.052
610.200 612.252
610.400 612.453
610.600 612.654
610.800 612.854
611.000 613.055
611.200 613.256
611.400 613.456
611.600 613.657
611.800 613.858



612.000 614.058
612.200 614.259
612.400 614.460
612.600 614.660
612.800 614.861
613.000 615.062
613.200 615.262
613.400 615.463
613.600 615.664
613.800 615.864
614.000 616.065
614.200 616.266
614.400 616.466
614.600 616.667
614.800 616.868
615.000 617.068
615.200 617.269
615.400 617.470
615.600 617.670
615.800 617.871

Printed: 2008-01-14 13:57:09 Scale: 1 : 20 Aspect: 150 % 28 (30)

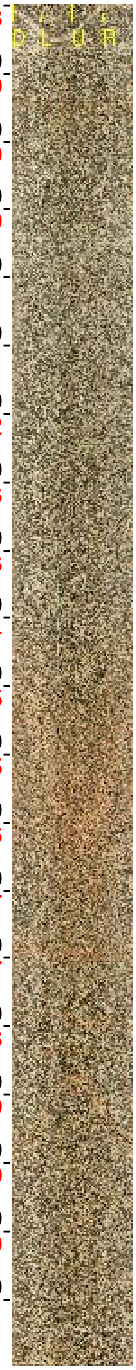
Borehole: KLX27A
Mapping: KLX27A_KJMSE_3

Depth range: 616.000 - 636.000 m
Azimuth: 0.3
Inclination: -62.1

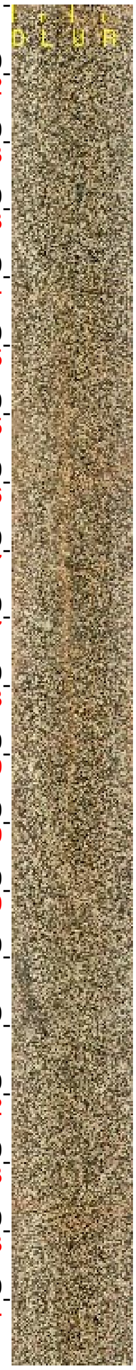
616.000	618.072
616.200	618.272
616.400	618.473
616.600	618.674
616.800	618.874
617.000	619.075
617.200	619.276
617.400	619.476
617.600	619.677
617.800	619.878
618.000	620.078
618.200	620.279
618.400	620.480
618.600	620.680
618.800	620.881
619.000	621.082
619.200	621.282
619.400	621.483
619.600	621.684
619.800	621.884

620.000	622.085
620.200	622.286
620.400	622.486
620.600	622.687
620.800	622.888
621.000	623.088
621.200	623.289
621.400	623.490
621.600	623.690
621.800	623.891
622.000	624.092
622.200	624.292
622.400	624.493
622.600	624.693
622.800	624.894
623.000	625.095
623.200	625.296
623.400	625.496
623.600	625.697
623.800	625.897

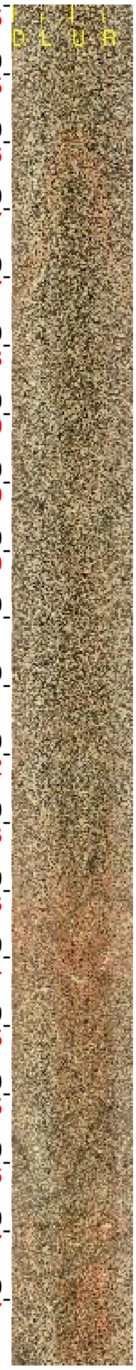
624.000	626.098
624.200	626.299
624.400	626.500
624.600	626.700
624.800	626.901
625.000	627.101
625.200	627.302
625.400	627.503
625.600	627.703
625.800	627.904
626.000	628.105
626.200	628.305
626.400	628.506
626.600	628.707
626.800	628.907
627.000	629.108
627.200	629.309
627.400	629.509
627.600	629.710
627.800	629.911



628.000	630.111
628.200	630.312
628.400	630.513
628.600	630.713
628.800	630.914
629.000	631.115
629.200	631.315
629.400	631.516
629.600	631.717
629.800	631.917
630.000	632.118
630.200	632.319
630.400	632.519
630.600	632.720
630.800	632.921
631.000	633.121
631.200	633.322
631.400	633.523
631.600	633.723
631.800	633.924



632.000	634.125
632.200	634.325
632.400	634.526
632.600	634.727
632.800	634.927
633.000	635.128
633.200	635.329
633.400	635.529
633.600	635.730
633.800	635.931
634.000	636.131
634.200	636.332
634.400	636.533
634.600	636.733
634.800	636.934
635.000	637.135
635.200	637.335
635.400	637.536
635.600	637.737
635.800	637.937



Printed: 2008-01-14 13:57:09   Scale: 1 : 20   Aspect: 150 %   29 (30)

Borehole: KLX27A
Mapping: KLX27A_KJMSE_3

Depth range: 636.000 - 646.624 m
Azimuth: 1.3
Inclination: -61.6

636.000
638.138
636.200
638.339
636.400
638.539
636.600
638.740
636.800
638.940
637.000
639.141
637.200
639.342
637.400
639.543
637.600
639.743
637.800
639.944
638.000
640.144
638.200
640.345
638.400
640.546
638.600
640.746
638.800
640.947
639.000
641.148
639.200
641.349
639.400
641.549
639.600
641.750
639.800
641.950

640.000
642.151
640.200
642.352
640.400
642.552
640.600
642.753
640.800
642.954
641.000
643.154
641.200
643.355
641.400
643.556
641.600
643.756
641.800
643.957
642.000
644.158
642.200
644.358
642.400
644.559
642.600
644.760
642.800
644.960
643.000
645.161
643.200
645.362
643.400
645.562
643.600
645.763
643.800
645.964

644.000
646.164
644.200
646.365
644.400
646.566
644.600
646.766
644.800
646.967
645.000
647.168
645.200
647.368
645.400
647.569
645.600
647.770
645.800
647.970
646.000
648.171
646.200
648.372
646.400
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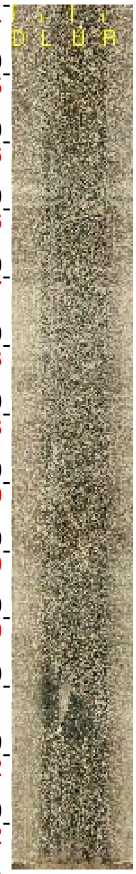
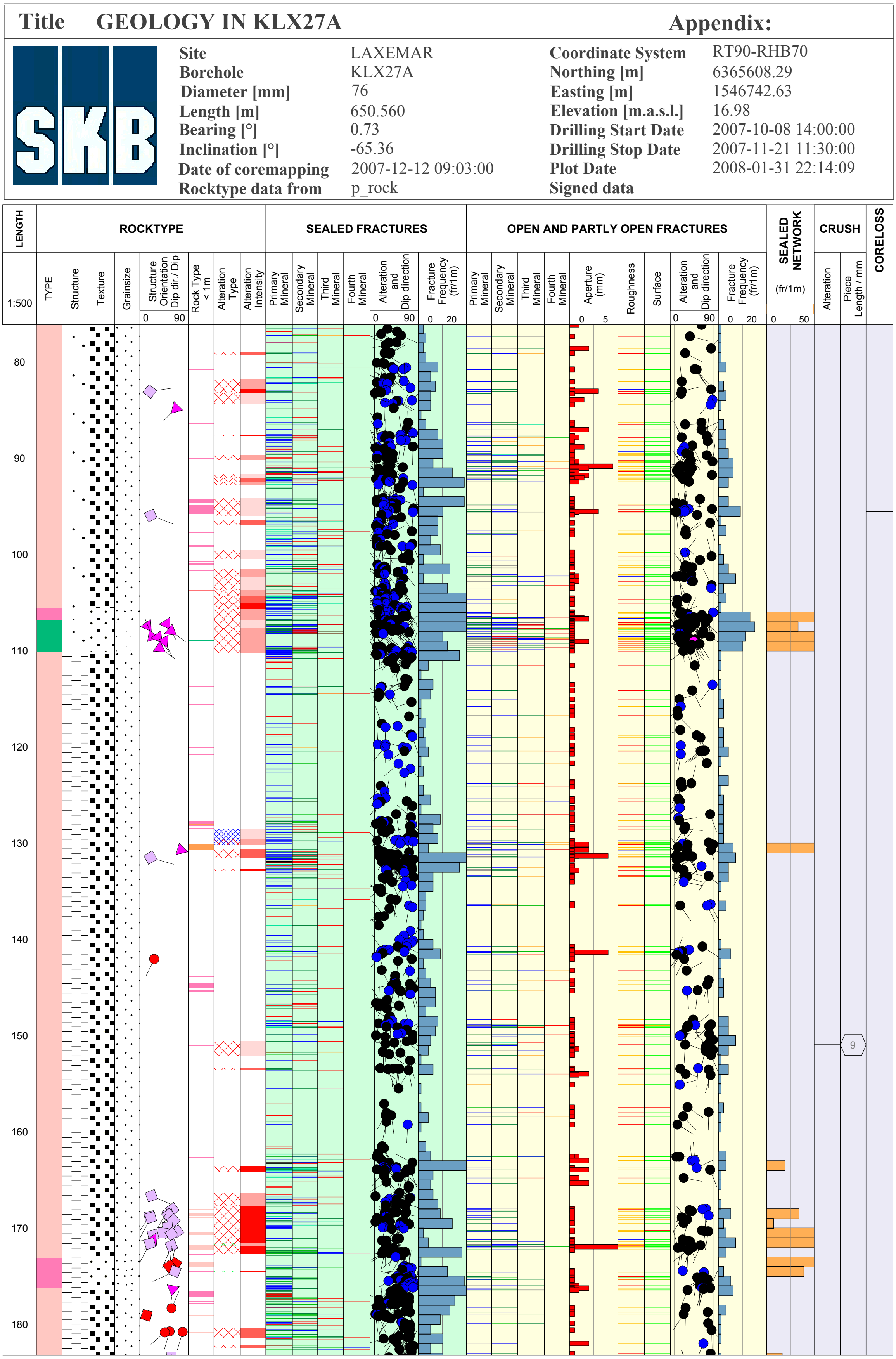
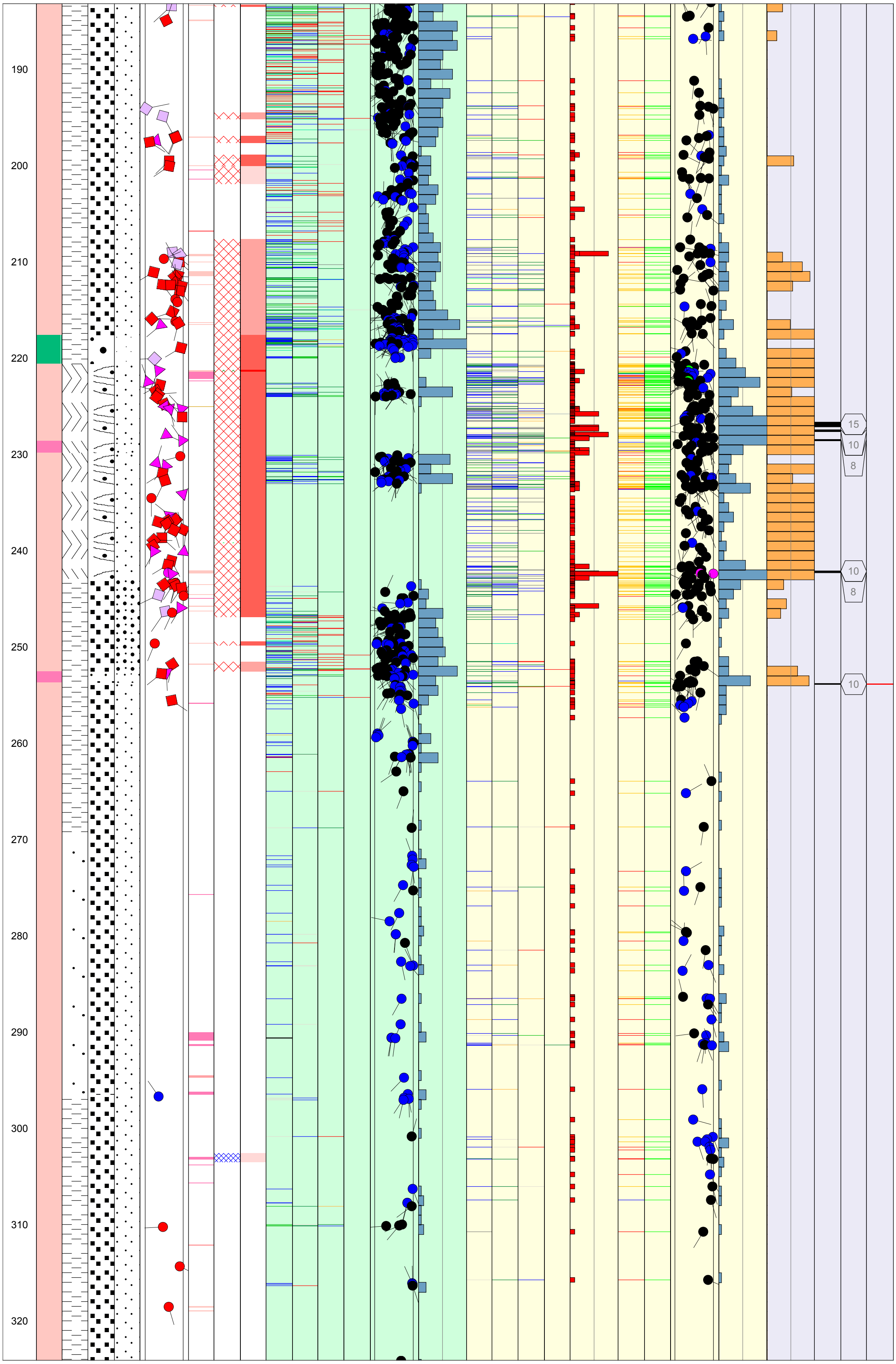
646.600
646.800
647.000
647.200
647.400
647.600
647.800

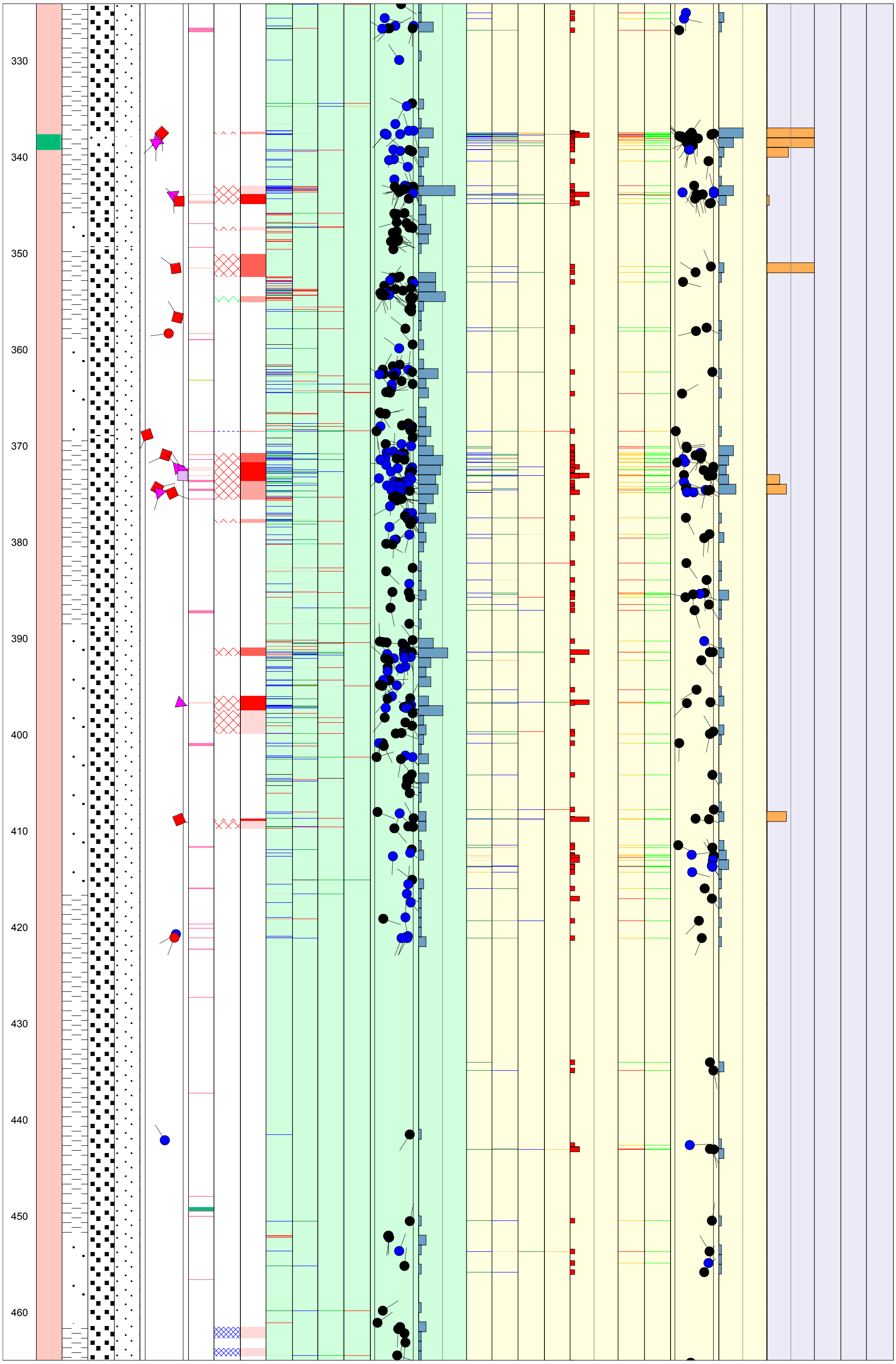


Printed: 2008-01-14 13:57:09 Scale: 1 : 20 Aspect: 150 % 30 (30)

WellCad diagram for KLX27A




190
200
210
220
230
240
250
260
270
280
290
300
310
320
15
10
8
10
8
10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340
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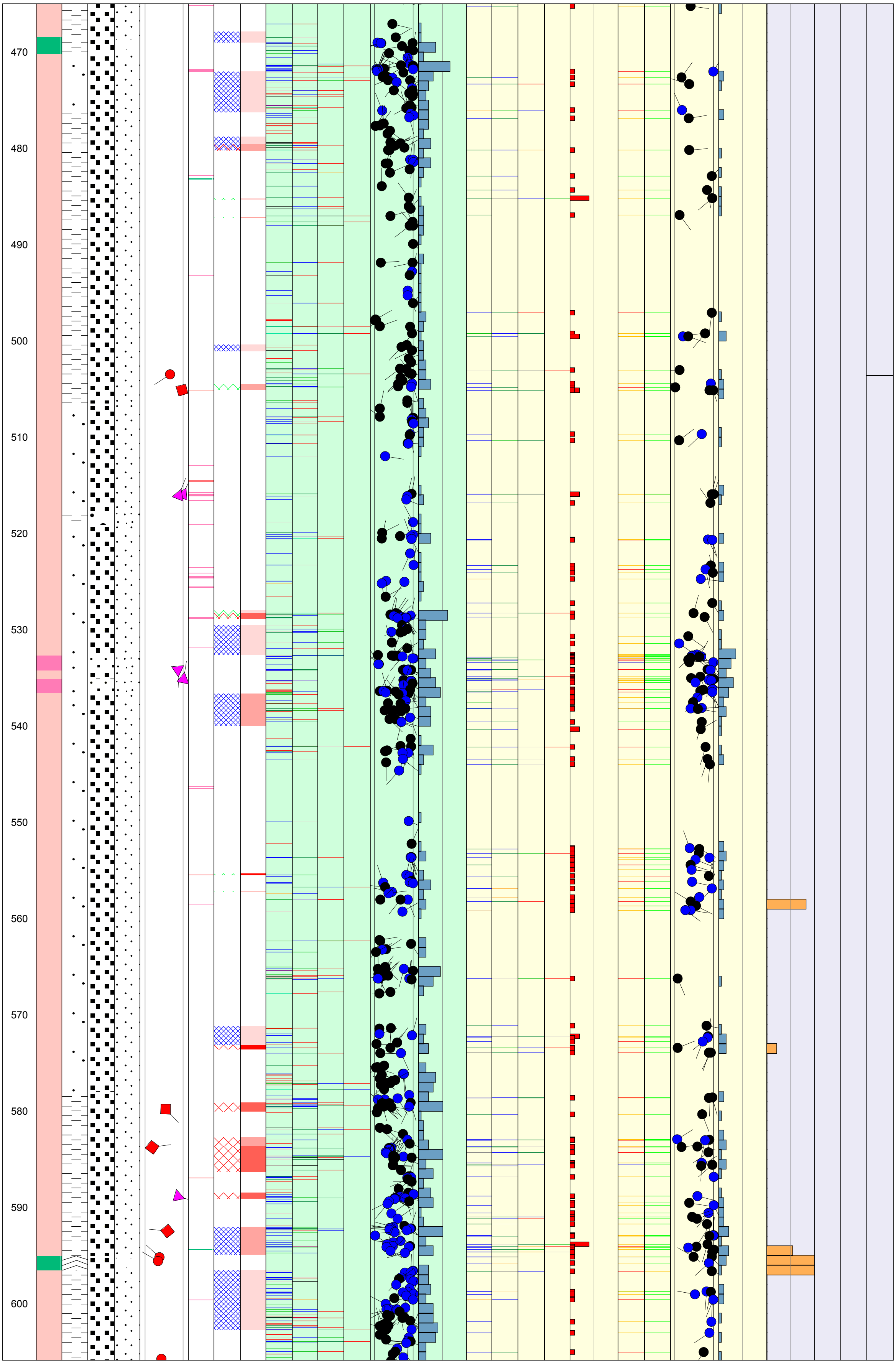
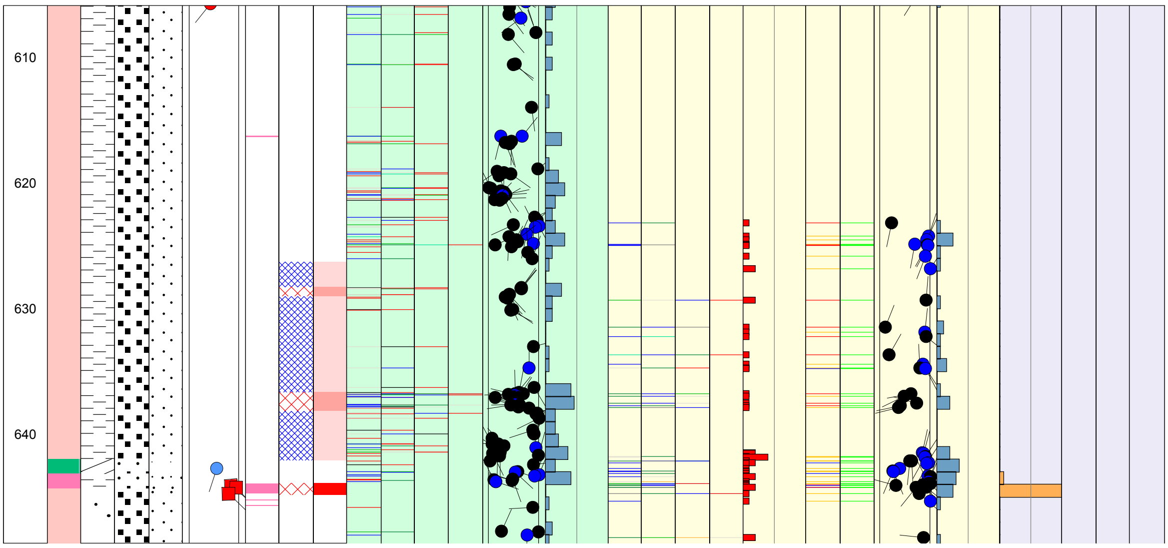
360
370
380
390
400
410
420
430
440
450
460


470
480
490
500
510
520
530
540
550
560
570
580
590
600


610
620
630
640

Legend to WellCad diagram for KLX27A

Title LEGEND FOR LAXEMAR KLX27A

Site	LAXEMAR
Borehole	KLX27A
Plot Date	2008-01-31 22:14:09
Signed data	

ROCKTYPE LAXEMAR

- Äspö Diorite
- Dolerite
- Fine-grained Götemargranite
- Coarse-grained Götemargranite
- Fine-grained granite
- Pegmatite
- Granite
- Ävrö granite
- Quartz monzodiorite
- Diorite / Gabbro
- Fine-grained dioritoid
- Fine-grained diorite-gabbro
- Sulphide mineralization
- Sandstone
- Soil
- Ävrö quartz monzodiorite
- Ävrö granodiorite

ROCK ALTERATION TYPE

- Oxidized
- Chloritisized
- Epidotisized
- Weathered
- Tectonized
- Sericitisized
- Quartz dissolution
- Silicification
- Argillization
- Albitization
- Carbonatization
- Saussuritization
- Steatitization
- Uralitization
- Laumontitization
- Fract zone alteration

MINERAL

- Epidote
- Calcite
- Chlorite
- Quartz
- Unknown
- Pyrite
- Clay Minerals
- Zeolite
- Prehnite

STRUCTURE

- Cataclastic
- Schistose
- Gneissic
- Mylonitic
- Ductile Shear Zone
- Brittle-Ductile Zone
- Veined
- Banded
- Massive
- Foliated
- Brecciated
- Lineated

TEXTURE

- Hornfelsed
- Porphyritic
- Ophitic
- Equigranular
- Augen-Bearing
- Unequigranular
- Metamorphic

GRAINSIZE

- Aphanitic
- Fine-grained
- Fine to medium grained
- Medium to coarse grained
- Coarse-grained
- Medium-grained

STRUCTURE ORIENTATION

- Cataclastic
- Bedded
- Gneissic
- Schistose
- Brittle-Ductile Shear Zone
- Ductile Shear Zone
- Lineated
- Banded
- Veined
- Brecciated
- Foliated
- Mylonitic

ROCK ALTERATION INTENSITY

- No intensity
- Faint
- Weak
- Medium
- Strong

ROUGHNESS

- Planar
- Undulating
- Stepped
- Irregular

SURFACE

- Rough
- Smooth
- Slickensided

CRUSH ALTERATION

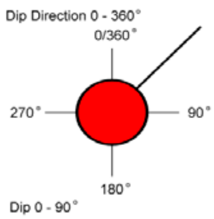
- Slightly Altered
- Moderately Altered
- Highly Altered
- Completley Altered
- Gouge
- Fresh

FRACTURE ALTERATION

- Slightly Altered
- Moderately Altered
- Highly Altered
- Completely Altered
- Gouge
- Fresh

FRACTURE DIRECTION

STRUKTURE ORIENTATION



Appendix 6

In-data: Borehole length and diameter for KLX27A

Hole Diam T - Drilling: Borehole diameter

KLX27A, 2007-10-08 14:00:00 - 2007-11-21 11:30:00 (75.600 - 650.560 m)

Sub Secup (m)	Sub Seclow (m)	Hole Diam (m)	Comment	QC
75.600	77.020	0.0860	T-86	*
77.020	650.560	0.0758	Corac N/3	*

Printout from SICADA 2007-12-12 09:02:06.

Appendix 7

In-data: Reference marks for length adjustments for KLX27A

Reference Mark T - Reference mark in drillhole

KLX27A, 2007-11-27 10:00:00 - 2007-11-28 13:00:00 (100.000 - 630.000 m)

Bhlen (m)	Rotation Speed (rpm)	Start Flow (l/h)	Stop Flow (l/h)	Stop Pressure (bar)	Cutter Time (s)	Trace Detectable	Cutter Diameter (mm)	Comment QC
100.00	400.00	200.000	1000.000	32.0	32.00	Yes		*
150.00	400.00	200.000	1000.000	30.0	33.00	Yes		*
200.00	400.00	180.000	1000.000	28.0	35.00	Yes		*
250.00	400.00	250.000	1000.000	28.0	28.00	Yes		*
300.00	400.00	170.000	1000.000	28.0	28.00	Yes		*
350.00	400.00	170.000	100.000	28.0	30.00	Yes		*
400.00	400.00	180.000	1000.000	29.0	38.00	Yes		*
450.00	400.00	180.000	1000.000	30.0	30.00	Yes		*
500.00	400.00	170.000	1000.000	30.0	36.00	Yes		*
550.00	400.00	190.000	1000.000	30.0	36.00	Yes		*
600.00	400.00	200.000	1000.000	30.0	40.00	Yes		*
630.00	400.00	180.000	1000.000	30.0	40.00	Yes		*

Printout from SICADA 2007-12-12 09:04:09.

In-data: Borehole deviation data for KLX27A

SICADA - Coordinate Information for KLX27A (Object type: Cored borehole)

Northing (m)	Easting (m)	Elevation (m)	Coordinate System	Length (m)	Vertical Depth (m)	Inclination (degrees)	Bearing (degrees)	Inclination Uncertainty	Bearing Uncertainty	Radius Uncertainty	Origin
6365608.29	1546742.63	16.98	RT90-RHB70	0.00	0.00	-65.37	0.73	0.205	0.545	0.00	Measured
6365609.54	1546742.65	14.25	RT90-RHB70	3.00	2.73	-65.32	0.73	0.205	0.545	0.01	Measured
6365610.79	1546742.67	11.53	RT90-RHB70	6.00	5.45	-65.29	0.89	0.205	0.545	0.02	Measured
6365612.05	1546742.69	8.80	RT90-RHB70	9.00	8.18	-65.24	1.04	0.205	0.545	0.04	Measured
6365613.31	1546742.71	6.08	RT90-RHB70	12.00	10.90	-65.19	1.20	0.205	0.545	0.05	Measured
6365614.57	1546742.74	3.36	RT90-RHB70	15.00	13.62	-65.15	1.35	0.205	0.545	0.06	Measured
6365615.83	1546742.77	0.63	RT90-RHB70	18.00	16.35	-65.09	1.51	0.205	0.545	0.07	Measured
6365617.09	1546742.80	-2.09	RT90-RHB70	21.00	19.07	-65.06	1.17	0.205	0.545	0.08	Measured
6365618.36	1546742.83	-4.81	RT90-RHB70	24.00	21.79	-65.09	1.17	0.205	0.545	0.10	Measured
6365619.62	1546742.85	-7.53	RT90-RHB70	27.00	24.51	-65.12	1.16	0.205	0.545	0.11	Measured
6365620.88	1546742.88	-10.25	RT90-RHB70	30.00	27.23	-65.14	1.36	0.205	0.545	0.12	Measured
6365622.14	1546742.91	-12.97	RT90-RHB70	33.00	29.95	-65.16	1.49	0.205	0.545	0.13	Measured
6365623.40	1546742.94	-15.69	RT90-RHB70	36.00	32.67	-65.13	1.49	0.205	0.545	0.14	Measured
6365624.66	1546742.98	-18.41	RT90-RHB70	39.00	35.39	-65.13	1.64	0.205	0.545	0.16	Measured
6365625.93	1546743.01	-21.14	RT90-RHB70	42.00	38.12	-65.11	1.50	0.205	0.545	0.17	Measured
6365627.19	1546743.05	-23.86	RT90-RHB70	45.00	40.84	-65.15	1.44	0.205	0.545	0.18	Measured
6365628.45	1546743.07	-26.58	RT90-RHB70	48.00	43.56	-65.17	1.24	0.205	0.545	0.19	Measured
6365629.70	1546743.10	-29.30	RT90-RHB70	51.00	46.28	-65.21	1.20	0.205	0.545	0.20	Measured
6365630.96	1546743.13	-32.03	RT90-RHB70	54.00	49.01	-65.23	1.10	0.205	0.545	0.22	Measured
6365632.22	1546743.15	-34.75	RT90-RHB70	57.00	51.73	-65.23	1.01	0.205	0.545	0.23	Measured
6365633.48	1546743.17	-37.48	RT90-RHB70	60.00	54.46	-65.22	1.01	0.205	0.545	0.24	Measured
6365634.73	1546743.19	-40.20	RT90-RHB70	63.00	57.18	-65.19	0.92	0.205	0.545	0.25	Measured
6365635.99	1546743.21	-42.92	RT90-RHB70	66.00	59.90	-65.19	0.93	0.205	0.545	0.26	Measured
6365637.25	1546743.23	-45.65	RT90-RHB70	69.00	62.63	-65.17	0.92	0.205	0.545	0.28	Measured
6365638.51	1546743.25	-48.37	RT90-RHB70	72.00	65.35	-65.25	0.92	0.205	0.545	0.29	Measured
6365639.77	1546743.27	-51.09	RT90-RHB70	75.00	68.07	-65.19	0.72	0.205	0.545	0.30	Measured
6365641.02	1546743.29	-53.82	RT90-RHB70	78.00	70.80	-65.18	0.71	0.205	0.545	0.31	Measured
6365642.28	1546743.30	-56.54	RT90-RHB70	81.00	73.52	-65.17	0.76	0.205	0.545	0.32	Measured
6365643.54	1546743.32	-59.26	RT90-RHB70	84.00	76.24	-65.14	0.82	0.205	0.545	0.34	Measured
6365644.81	1546743.34	-61.98	RT90-RHB70	87.00	78.96	-65.12	0.96	0.205	0.545	0.35	Measured
6365646.07	1546743.36	-64.70	RT90-RHB70	90.00	81.68	-65.08	0.95	0.205	0.545	0.36	Measured
6365647.33	1546743.38	-67.42	RT90-RHB70	93.00	84.40	-65.06	0.88	0.205	0.545	0.37	Measured
6365648.60	1546743.40	-70.14	RT90-RHB70	96.00	87.12	-65.03	0.91	0.205	0.545	0.38	Measured
6365649.87	1546743.42	-72.86	RT90-RHB70	99.00	89.84	-64.99	0.91	0.205	0.545	0.40	Measured
6365651.14	1546743.44	-75.58	RT90-RHB70	102.00	92.56	-64.94	0.89	0.205	0.545	0.41	Measured
6365652.41	1546743.46	-78.30	RT90-RHB70	105.00	95.28	-64.89	0.83	0.205	0.545	0.42	Measured
6365653.68	1546743.48	-81.01	RT90-RHB70	108.00	97.99	-64.87	0.79	0.205	0.545	0.43	Measured
6365654.95	1546743.50	-83.73	RT90-RHB70	111.00	100.71	-64.85	0.80	0.205	0.545	0.44	Measured
6365656.23	1546743.52	-86.45	RT90-RHB70	114.00	103.43	-64.84	1.06	0.205	0.545	0.46	Measured

6365657.50	1546743.54	-89.16	RT90-RHB70	117.00	106.14	-64.84	0.89	0.205	0.545	0.47	Measured
6365658.78	1546743.56	-91.88	RT90-RHB70	120.00	108.86	-64.80	0.89	0.205	0.545	0.48	Measured
6365660.06	1546743.58	-94.59	RT90-RHB70	123.00	111.57	-64.79	0.88	0.205	0.545	0.49	Measured
6365661.34	1546743.60	-97.30	RT90-RHB70	126.00	114.28	-64.78	0.88	0.205	0.545	0.50	Measured
6365662.61	1546743.62	-100.02	RT90-RHB70	129.00	117.00	-64.77	0.91	0.205	0.545	0.52	Measured
6365663.89	1546743.64	-102.73	RT90-RHB70	132.00	119.71	-64.73	1.01	0.205	0.545	0.53	Measured
6365665.18	1546743.66	-105.44	RT90-RHB70	135.00	122.42	-64.70	1.01	0.205	0.545	0.54	Measured
6365666.46	1546743.68	-108.16	RT90-RHB70	138.00	125.14	-64.66	1.04	0.205	0.545	0.55	Measured
6365667.74	1546743.71	-110.87	RT90-RHB70	141.00	127.85	-64.63	0.91	0.205	0.545	0.57	Measured
6365669.03	1546743.73	-113.58	RT90-RHB70	144.00	130.56	-64.61	0.88	0.205	0.545	0.58	Measured
6365670.32	1546743.75	-116.29	RT90-RHB70	147.00	133.27	-64.59	0.90	0.205	0.545	0.59	Measured
6365671.60	1546743.77	-119.00	RT90-RHB70	150.00	135.98	-64.59	0.90	0.205	0.545	0.60	Measured
6365672.89	1546743.79	-121.71	RT90-RHB70	153.00	138.69	-64.57	0.85	0.205	0.545	0.61	Measured
6365674.18	1546743.80	-124.42	RT90-RHB70	156.00	141.40	-64.56	0.78	0.205	0.545	0.63	Measured
6365675.47	1546743.82	-127.13	RT90-RHB70	159.00	144.11	-64.54	0.79	0.205	0.545	0.64	Measured
6365676.76	1546743.84	-129.83	RT90-RHB70	162.00	146.81	-64.52	0.72	0.205	0.545	0.65	Measured
6365678.05	1546743.85	-132.54	RT90-RHB70	165.00	149.52	-64.52	0.61	0.205	0.545	0.66	Measured
6365679.34	1546743.87	-135.25	RT90-RHB70	168.00	152.23	-64.50	0.50	0.205	0.545	0.68	Measured
6365680.63	1546743.88	-137.96	RT90-RHB70	171.00	154.94	-64.47	0.50	0.205	0.545	0.69	Measured
6365681.92	1546743.89	-140.66	RT90-RHB70	174.00	157.64	-64.47	0.49	0.205	0.545	0.70	Measured
6365683.22	1546743.90	-143.37	RT90-RHB70	177.00	160.35	-64.48	0.62	0.205	0.545	0.71	Measured
6365684.51	1546743.92	-146.08	RT90-RHB70	180.00	163.06	-64.52	0.71	0.205	0.545	0.73	Measured
6365685.80	1546743.93	-148.79	RT90-RHB70	183.00	165.77	-64.55	0.92	0.205	0.545	0.74	Measured
6365687.09	1546743.96	-151.50	RT90-RHB70	186.00	168.48	-64.58	0.97	0.205	0.545	0.75	Measured
6365688.37	1546743.98	-154.21	RT90-RHB70	189.00	171.19	-64.60	0.95	0.205	0.545	0.76	Measured
6365689.66	1546744.00	-156.92	RT90-RHB70	192.00	173.90	-64.60	0.95	0.205	0.545	0.77	Measured
6365690.95	1546744.02	-159.63	RT90-RHB70	195.00	176.61	-64.60	0.94	0.205	0.545	0.79	Measured
6365692.23	1546744.04	-162.34	RT90-RHB70	198.00	179.32	-64.59	0.96	0.205	0.545	0.80	Measured
6365693.52	1546744.06	-165.05	RT90-RHB70	201.00	182.03	-64.57	0.91	0.205	0.545	0.81	Measured
6365694.81	1546744.08	-167.76	RT90-RHB70	204.00	184.74	-64.55	0.91	0.205	0.545	0.82	Measured
6365696.10	1546744.10	-170.46	RT90-RHB70	207.00	187.44	-64.53	0.88	0.205	0.545	0.84	Measured
6365697.39	1546744.12	-173.17	RT90-RHB70	210.00	190.15	-64.53	0.76	0.205	0.545	0.85	Measured
6365698.68	1546744.14	-175.88	RT90-RHB70	213.00	192.86	-64.52	0.58	0.205	0.545	0.86	Measured
6365699.97	1546744.15	-178.59	RT90-RHB70	216.00	195.57	-64.53	0.50	0.205	0.545	0.87	Measured
6365701.26	1546744.16	-181.30	RT90-RHB70	219.00	198.28	-64.55	0.48	0.205	0.545	0.88	Measured
6365702.55	1546744.17	-184.01	RT90-RHB70	222.00	200.99	-64.54	0.48	0.205	0.545	0.90	Measured
6365703.84	1546744.18	-186.71	RT90-RHB70	225.00	203.69	-64.45	0.47	0.205	0.545	0.91	Measured
6365705.14	1546744.19	-189.42	RT90-RHB70	228.00	206.40	-64.43	0.40	0.205	0.545	0.92	Measured
6365706.43	1546744.20	-192.13	RT90-RHB70	231.00	209.11	-64.41	0.35	0.205	0.545	0.93	Measured
6365707.73	1546744.21	-194.83	RT90-RHB70	234.00	211.81	-64.41	0.33	0.205	0.545	0.95	Measured
6365709.02	1546744.21	-197.54	RT90-RHB70	237.00	214.52	-64.40	0.33	0.205	0.545	0.96	Measured
6365710.32	1546744.22	-200.24	RT90-RHB70	240.00	217.22	-64.35	0.51	0.205	0.545	0.97	Measured
6365711.62	1546744.24	-202.95	RT90-RHB70	243.00	219.93	-64.30	0.74	0.205	0.545	0.98	Measured

6365712.92	1546744.26	-205.65	RT90-RHB70	246.00	222.63	-64.27	0.80	0.205	0.545	1.00	Measured
6365714.22	1546744.27	-208.35	RT90-RHB70	249.00	225.33	-64.22	0.78	0.205	0.545	1.01	Measured
6365715.53	1546744.29	-211.05	RT90-RHB70	252.00	228.03	-64.19	0.82	0.205	0.545	1.02	Measured
6365716.84	1546744.31	-213.75	RT90-RHB70	255.00	230.73	-64.16	0.92	0.205	0.545	1.03	Measured
6365718.14	1546744.33	-216.45	RT90-RHB70	258.00	233.43	-64.13	1.14	0.205	0.545	1.05	Measured
6365719.45	1546744.36	-219.15	RT90-RHB70	261.00	236.13	-64.12	0.95	0.205	0.545	1.06	Measured
6365720.76	1546744.38	-221.85	RT90-RHB70	264.00	238.83	-64.08	0.92	0.205	0.545	1.07	Measured
6365722.08	1546744.40	-224.55	RT90-RHB70	267.00	241.53	-64.06	0.94	0.205	0.545	1.08	Measured
6365723.39	1546744.42	-227.25	RT90-RHB70	270.00	244.23	-64.05	0.94	0.205	0.545	1.10	Measured
6365724.70	1546744.44	-229.94	RT90-RHB70	273.00	246.92	-64.03	0.86	0.205	0.545	1.11	Measured
6365726.01	1546744.46	-232.64	RT90-RHB70	276.00	249.62	-64.03	0.86	0.205	0.545	1.12	Measured
6365727.33	1546744.48	-235.34	RT90-RHB70	279.00	252.32	-64.03	0.87	0.205	0.545	1.13	Measured
6365728.64	1546744.50	-238.03	RT90-RHB70	282.00	255.01	-64.02	0.89	0.205	0.545	1.15	Measured
6365729.96	1546744.52	-240.73	RT90-RHB70	285.00	257.71	-64.02	0.89	0.205	0.545	1.16	Measured
6365731.27	1546744.54	-243.43	RT90-RHB70	288.00	260.41	-64.02	0.90	0.205	0.545	1.17	Measured
6365732.58	1546744.56	-246.12	RT90-RHB70	291.00	263.10	-64.02	0.91	0.205	0.545	1.18	Measured
6365733.90	1546744.58	-248.82	RT90-RHB70	294.00	265.80	-64.00	0.86	0.205	0.545	1.20	Measured
6365735.21	1546744.60	-251.52	RT90-RHB70	297.00	268.50	-63.99	0.82	0.205	0.545	1.21	Measured
6365736.53	1546744.62	-254.21	RT90-RHB70	300.00	271.19	-63.98	0.81	0.205	0.545	1.22	Measured
6365737.85	1546744.64	-256.91	RT90-RHB70	303.00	273.89	-63.98	0.76	0.205	0.545	1.23	Measured
6365739.16	1546744.66	-259.61	RT90-RHB70	306.00	276.59	-63.98	0.74	0.205	0.545	1.25	Measured
6365740.48	1546744.67	-262.30	RT90-RHB70	309.00	279.28	-63.98	0.74	0.205	0.545	1.26	Measured
6365741.79	1546744.69	-265.00	RT90-RHB70	312.00	281.98	-63.98	0.81	0.205	0.545	1.27	Measured
6365743.11	1546744.71	-267.69	RT90-RHB70	315.00	284.67	-63.98	0.85	0.205	0.545	1.28	Measured
6365744.42	1546744.73	-270.39	RT90-RHB70	318.00	287.37	-63.97	0.90	0.205	0.545	1.30	Measured
6365745.74	1546744.75	-273.08	RT90-RHB70	321.00	290.06	-63.97	0.81	0.205	0.545	1.31	Measured
6365747.06	1546744.77	-275.78	RT90-RHB70	324.00	292.76	-63.97	0.77	0.205	0.545	1.32	Measured
6365748.37	1546744.79	-278.48	RT90-RHB70	327.00	295.46	-63.97	0.78	0.205	0.545	1.33	Measured
6365749.69	1546744.81	-281.17	RT90-RHB70	330.00	298.15	-63.97	0.85	0.205	0.545	1.35	Measured
6365751.01	1546744.82	-283.87	RT90-RHB70	333.00	300.85	-63.97	0.81	0.205	0.545	1.36	Measured
6365752.32	1546744.84	-286.56	RT90-RHB70	336.00	303.54	-63.97	0.72	0.205	0.545	1.37	Measured
6365753.64	1546744.86	-289.26	RT90-RHB70	339.00	306.24	-63.95	0.69	0.205	0.545	1.38	Measured
6365754.96	1546744.87	-291.95	RT90-RHB70	342.00	308.93	-63.95	0.69	0.205	0.545	1.40	Measured
6365756.28	1546744.89	-294.65	RT90-RHB70	345.00	311.63	-63.95	0.68	0.205	0.545	1.41	Measured
6365757.59	1546744.90	-297.34	RT90-RHB70	348.00	314.32	-63.94	0.62	0.205	0.545	1.42	Measured
6365758.91	1546744.92	-300.04	RT90-RHB70	351.00	317.02	-63.94	0.44	0.205	0.545	1.43	Measured
6365760.23	1546744.93	-302.73	RT90-RHB70	354.00	319.71	-63.93	0.44	0.205	0.545	1.45	Measured
6365761.55	1546744.94	-305.43	RT90-RHB70	357.00	322.41	-63.91	0.44	0.205	0.545	1.46	Measured
6365762.87	1546744.95	-308.12	RT90-RHB70	360.00	325.10	-63.91	0.46	0.205	0.545	1.47	Measured
6365764.19	1546744.96	-310.82	RT90-RHB70	363.00	327.80	-63.90	0.54	0.205	0.545	1.48	Measured
6365765.51	1546744.97	-313.51	RT90-RHB70	366.00	330.49	-63.89	0.50	0.205	0.545	1.50	Measured
6365766.83	1546744.98	-316.20	RT90-RHB70	369.00	333.18	-63.88	0.48	0.205	0.545	1.51	Measured
6365768.15	1546744.99	-318.90	RT90-RHB70	372.00	335.88	-63.87	0.48	0.205	0.545	1.52	Measured

6365769.47	1546745.00	-321.59	RT90-RHB70	375.00	338.57	-63.86	0.53	0.205	0.545	1.53	Measured
6365770.79	1546745.02	-324.28	RT90-RHB70	378.00	341.26	-63.84	0.59	0.205	0.545	1.55	Measured
6365772.12	1546745.03	-326.98	RT90-RHB70	381.00	343.96	-63.81	0.44	0.205	0.545	1.56	Measured
6365773.44	1546745.04	-329.67	RT90-RHB70	384.00	346.65	-63.78	0.41	0.205	0.545	1.57	Measured
6365774.77	1546745.05	-332.36	RT90-RHB70	387.00	349.34	-63.77	0.34	0.205	0.545	1.58	Measured
6365776.09	1546745.06	-335.05	RT90-RHB70	390.00	352.03	-63.76	0.34	0.205	0.545	1.60	Measured
6365777.42	1546745.06	-337.74	RT90-RHB70	393.00	354.72	-63.75	0.33	0.205	0.545	1.61	Measured
6365778.75	1546745.07	-340.43	RT90-RHB70	396.00	357.41	-63.72	0.26	0.205	0.545	1.62	Measured
6365780.08	1546745.08	-343.12	RT90-RHB70	399.00	360.10	-63.72	0.25	0.205	0.545	1.63	Measured
6365781.40	1546745.08	-345.81	RT90-RHB70	402.00	362.79	-63.72	0.25	0.205	0.545	1.65	Measured
6365782.73	1546745.09	-348.50	RT90-RHB70	405.00	365.48	-63.71	0.42	0.205	0.545	1.66	Measured
6365784.06	1546745.10	-351.19	RT90-RHB70	408.00	368.17	-63.69	0.33	0.205	0.545	1.67	Measured
6365785.39	1546745.11	-353.88	RT90-RHB70	411.00	370.86	-63.68	0.25	0.205	0.545	1.69	Measured
6365786.72	1546745.11	-356.57	RT90-RHB70	414.00	373.55	-63.64	0.07	0.205	0.545	1.70	Measured
6365788.06	1546745.11	-359.26	RT90-RHB70	417.00	376.24	-63.61	0.04	0.205	0.545	1.71	Measured
6365789.39	1546745.11	-361.94	RT90-RHB70	420.00	378.92	-63.57	0.06	0.205	0.545	1.72	Measured
6365790.73	1546745.11	-364.63	RT90-RHB70	423.00	381.61	-63.56	0.19	0.205	0.545	1.74	Measured
6365792.06	1546745.12	-367.31	RT90-RHB70	426.00	384.29	-63.55	0.24	0.205	0.545	1.75	Measured
6365793.40	1546745.13	-370.00	RT90-RHB70	429.00	386.98	-63.52	0.27	0.205	0.545	1.76	Measured
6365794.74	1546745.13	-372.68	RT90-RHB70	432.00	389.66	-63.48	0.24	0.205	0.545	1.77	Measured
6365796.08	1546745.14	-375.37	RT90-RHB70	435.00	392.35	-63.47	0.24	0.205	0.545	1.79	Measured
6365797.42	1546745.14	-378.05	RT90-RHB70	438.00	395.03	-63.44	0.22	0.205	0.545	1.80	Measured
6365798.76	1546745.15	-380.74	RT90-RHB70	441.00	397.72	-63.42	0.25	0.205	0.545	1.81	Measured
6365800.10	1546745.15	-383.42	RT90-RHB70	444.00	400.40	-63.39	0.23	0.205	0.545	1.83	Measured
6365801.45	1546745.16	-386.10	RT90-RHB70	447.00	403.08	-63.37	0.04	0.205	0.545	1.84	Measured
6365802.79	1546745.16	-388.78	RT90-RHB70	450.00	405.76	-63.36	359.97	0.205	0.545	1.85	Measured
6365804.14	1546745.15	-391.46	RT90-RHB70	453.00	408.44	-63.36	359.82	0.205	0.545	1.86	Measured
6365805.48	1546745.15	-394.15	RT90-RHB70	456.00	411.13	-63.34	359.82	0.205	0.545	1.88	Measured
6365806.83	1546745.15	-396.83	RT90-RHB70	459.00	413.81	-63.34	359.94	0.205	0.545	1.89	Measured
6365808.17	1546745.15	-399.51	RT90-RHB70	462.00	416.49	-63.33	359.96	0.205	0.545	1.90	Measured
6365809.52	1546745.14	-402.19	RT90-RHB70	465.00	419.17	-63.30	359.97	0.205	0.545	1.91	Measured
6365810.87	1546745.14	-404.87	RT90-RHB70	468.00	421.85	-63.30	359.90	0.205	0.545	1.93	Measured
6365812.22	1546745.14	-407.55	RT90-RHB70	471.00	424.53	-63.28	359.86	0.205	0.545	1.94	Measured
6365813.57	1546745.14	-410.23	RT90-RHB70	474.00	427.21	-63.28	359.81	0.205	0.545	1.95	Measured
6365814.92	1546745.13	-412.91	RT90-RHB70	477.00	429.89	-63.28	359.82	0.205	0.545	1.97	Measured
6365816.27	1546745.13	-415.59	RT90-RHB70	480.00	432.57	-63.26	359.87	0.205	0.545	1.98	Measured
6365817.62	1546745.13	-418.27	RT90-RHB70	483.00	435.25	-63.25	359.89	0.205	0.545	1.99	Measured
6365818.97	1546745.12	-420.94	RT90-RHB70	486.00	437.92	-63.24	359.89	0.205	0.545	2.00	Measured
6365820.32	1546745.12	-423.62	RT90-RHB70	489.00	440.60	-63.20	359.91	0.205	0.545	2.02	Measured
6365821.67	1546745.12	-426.30	RT90-RHB70	492.00	443.28	-63.20	359.82	0.205	0.545	2.03	Measured
6365823.02	1546745.11	-428.98	RT90-RHB70	495.00	445.96	-63.19	359.88	0.205	0.545	2.04	Measured
6365824.38	1546745.11	-431.66	RT90-RHB70	498.00	448.64	-63.18	359.91	0.205	0.545	2.06	Measured
6365825.73	1546745.11	-434.33	RT90-RHB70	501.00	451.31	-63.16	0.01	0.205	0.545	2.07	Measured

6365827.08	1546745.11	-437.01	RT90-RHB70	504.00	453.99	-63.16	359.95	0.205	0.545	2.08	Measured
6365828.44	1546745.11	-439.69	RT90-RHB70	507.00	456.67	-63.15	359.88	0.205	0.545	2.09	Measured
6365829.80	1546745.10	-442.36	RT90-RHB70	510.00	459.34	-63.11	359.87	0.205	0.545	2.11	Measured
6365831.15	1546745.10	-445.04	RT90-RHB70	513.00	462.02	-63.08	359.97	0.205	0.545	2.12	Measured
6365832.51	1546745.10	-447.71	RT90-RHB70	516.00	464.69	-63.05	359.91	0.205	0.545	2.13	Measured
6365833.87	1546745.10	-450.39	RT90-RHB70	519.00	467.37	-63.01	359.98	0.205	0.545	2.15	Measured
6365835.24	1546745.10	-453.06	RT90-RHB70	522.00	470.04	-62.98	359.91	0.205	0.545	2.16	Measured
6365836.60	1546745.10	-455.73	RT90-RHB70	525.00	472.71	-62.94	359.96	0.205	0.545	2.17	Measured
6365837.96	1546745.10	-458.40	RT90-RHB70	528.00	475.38	-62.89	0.06	0.205	0.545	2.19	Measured
6365839.33	1546745.10	-461.07	RT90-RHB70	531.00	478.05	-62.86	0.19	0.205	0.545	2.20	Measured
6365840.70	1546745.10	-463.74	RT90-RHB70	534.00	480.72	-62.86	0.15	0.205	0.545	2.21	Measured
6365842.07	1546745.11	-466.41	RT90-RHB70	537.00	483.39	-62.84	0.05	0.205	0.545	2.22	Measured
6365843.44	1546745.11	-469.08	RT90-RHB70	540.00	486.06	-62.81	0.00	0.205	0.545	2.24	Measured
6365844.81	1546745.11	-471.75	RT90-RHB70	543.00	488.73	-62.78	359.99	0.205	0.545	2.25	Measured
6365846.19	1546745.11	-474.41	RT90-RHB70	546.00	491.39	-62.71	359.88	0.205	0.545	2.26	Measured
6365847.56	1546745.10	-477.08	RT90-RHB70	549.00	494.06	-62.70	359.84	0.205	0.545	2.28	Measured
6365848.94	1546745.10	-479.75	RT90-RHB70	552.00	496.73	-62.67	359.82	0.205	0.545	2.29	Measured
6365850.32	1546745.09	-482.41	RT90-RHB70	555.00	499.39	-62.65	359.87	0.205	0.545	2.30	Measured
6365851.69	1546745.09	-485.07	RT90-RHB70	558.00	502.05	-62.62	0.06	0.205	0.545	2.32	Measured
6365853.07	1546745.09	-487.74	RT90-RHB70	561.00	504.72	-62.61	0.06	0.205	0.545	2.33	Measured
6365854.46	1546745.09	-490.40	RT90-RHB70	564.00	507.38	-62.59	359.86	0.205	0.545	2.34	Measured
6365855.84	1546745.09	-493.06	RT90-RHB70	567.00	510.04	-62.56	359.85	0.205	0.545	2.36	Measured
6365857.22	1546745.09	-495.73	RT90-RHB70	570.00	512.71	-62.55	359.97	0.205	0.545	2.37	Measured
6365858.60	1546745.09	-498.39	RT90-RHB70	573.00	515.37	-62.53	0.11	0.205	0.545	2.38	Measured
6365859.99	1546745.09	-501.05	RT90-RHB70	576.00	518.03	-62.50	0.13	0.205	0.545	2.39	Measured
6365861.37	1546745.10	-503.71	RT90-RHB70	579.00	520.69	-62.49	0.20	0.205	0.545	2.41	Measured
6365862.76	1546745.10	-506.37	RT90-RHB70	582.00	523.35	-62.47	0.16	0.205	0.545	2.42	Measured
6365864.15	1546745.10	-509.03	RT90-RHB70	585.00	526.01	-62.45	0.16	0.205	0.545	2.43	Measured
6365865.54	1546745.10	-511.69	RT90-RHB70	588.00	528.67	-62.42	359.92	0.205	0.545	2.45	Measured
6365866.92	1546745.10	-514.35	RT90-RHB70	591.00	531.33	-62.39	359.84	0.205	0.545	2.46	Measured
6365868.31	1546745.10	-517.01	RT90-RHB70	594.00	533.99	-62.39	359.82	0.205	0.545	2.47	Measured
6365869.71	1546745.09	-519.67	RT90-RHB70	597.00	536.65	-62.38	359.78	0.205	0.545	2.49	Measured
6365871.10	1546745.09	-522.32	RT90-RHB70	600.00	539.30	-62.37	359.71	0.205	0.545	2.50	Measured
6365872.49	1546745.08	-524.98	RT90-RHB70	603.00	541.96	-62.36	359.71	0.205	0.545	2.51	Measured
6365873.88	1546745.07	-527.64	RT90-RHB70	606.00	544.62	-62.34	359.71	0.205	0.545	2.53	Measured
6365875.27	1546745.07	-530.30	RT90-RHB70	609.00	547.28	-62.33	359.76	0.205	0.545	2.54	Measured
6365876.67	1546745.06	-532.95	RT90-RHB70	612.00	549.93	-62.31	359.82	0.205	0.545	2.55	Measured
6365878.06	1546745.06	-535.61	RT90-RHB70	615.00	552.59	-62.22	359.99	0.205	0.545	2.57	Measured
6365879.46	1546745.06	-538.26	RT90-RHB70	618.00	555.24	-62.16	0.23	0.205	0.545	2.58	Measured
6365880.87	1546745.07	-540.91	RT90-RHB70	621.00	557.89	-62.06	0.31	0.205	0.545	2.59	Measured
6365882.27	1546745.08	-543.56	RT90-RHB70	624.00	560.54	-61.97	0.38	0.205	0.545	2.61	Measured
6365883.68	1546745.09	-546.21	RT90-RHB70	627.00	563.19	-61.91	0.55	0.205	0.545	2.62	Measured
6365885.10	1546745.10	-548.86	RT90-RHB70	630.00	565.84	-61.83	0.79	0.205	0.545	2.63	Measured

6365886.52	1546745.13	-551.50	RT90-RHB70	633.00	568.48	-61.77	1.11	0.205	0.545	2.65	Measured
6365887.94	1546745.16	-554.14	RT90-RHB70	636.00	571.12	-61.69	1.25	0.205	0.545	2.66	Measured
6365889.36	1546745.19	-556.78	RT90-RHB70	639.00	573.76	-61.60	1.38	0.205	0.545	2.67	Measured
6365890.79	1546745.22	-559.42	RT90-RHB70	642.00	576.40	-61.48	1.38	0.205	0.545	2.69	Measured
6365892.22	1546745.26	-562.06	RT90-RHB70	645.00	579.04	-61.47	1.22	0.205	0.545	2.70	Measured
6365893.66	1546745.28	-564.69	RT90-RHB70	648.00	581.67	-61.44	0.97	0.205	0.545	2.72	Measured
6365894.88	1546745.30	-566.94	RT90-RHB70	650.56	583.92	-61.44	0.97	0.205	0.545	2.73	Measured

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