

Apex Arb Consultancy

**Tree Decay Inspection for Tariq Munif at 11a Cresswell Grove, Didsbury,
Manchester, M20 2NH**

By

**Mr T Crick, APEX ARB Training Ltd
L4 Dip Arb (ABC), Certified Arborist (ISA)**



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1 INTRODUCTION

Mr Terry Crick is a Technician Member of the Arboricultural Association with an excess of 29 years arboricultural experience, and holds L4 Dip Arb (ABC), Professional Tree Inspection (LANTRA), Tech Arbor A (AA), Cert Arb (ISA) qualifications.

1.1 Instruction:

Mr Crick has been instructed by Mr Tariq Munif, to carry out a decay detection investigation on a tree in the front garden of 11a Creswell Grove, in order to assess possible extent of decay in the lower tree stem.

1.2 Limitations:

This report was produced following a ground level inspection only, no soil samples were taken, and this report does not consider any potential influence the tree may have on adjacent structures. The inspection was carried out following industry best practice, following the principles of both Visual Tree Assessment and the use of the relevant decay detection instruments. these were the findings on the day of inspection.

1.3 Documents and information provided: I was not provided with any documentation.

1.4 Scope of this report: The purpose of my inspection was to assess the risks posed by the tree to residents and users of Creswell Grove.

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2 SITE VISIT AND OBSERVATIONS / COLLECTION OF DATA

2.1 Site visit: I carried out an unaccompanied site visit on Sunday the 30th of January 2022. All my observations were from ground level, investigations were carried out using a probe and sounding hammer, a sonic tomograph and a resistograph.

The weather at the time of inspection was dry, clear with good visibility.

2.2 Brief site description: 11a Creswell Grove is a semi-detached residential dwelling with a small front garden/plot facing the road. The tree inspected stands at the northwest corner of the garden.

2.3 Identification and location of the trees: This is the only tree in the front garden and is easily identifiable.

3 SITE/TARGET

- 3.1 **Targets include:** Occupants of the residential properties (including neighbouring properties), users, both pedestrian and vehicles of Cresswell Grove.

NB: *Any significance changes to site use/ frequency of use or any significant weather events, may mean that risk levels need to be re-evaluated.*

4 RECOMMENDATIONS

There are no management recommendations at this time associated with the internal trunk decay.

Although my investigations were to measure the extent of any internal decay, I did observe substantial ground heave to the North side of the tree (***see photographs 1 & 2***), approximately 2M from the trunk, this may warrant a further inspection of the trees roots for damage to structures.

The tree should be re inspected biennially for the spread of internal decay.

4.1 ANY WORKS UNDERTAKEN

I advise that a contractor from the local authority list, preferably one approved by the Arboricultural Association carry out the work. Their Register of Contractors is available free from www.trees.org.uk. The contractor should carry out all tree works to BS3998 *Recommendations for Tree Work* (2010) as modified by research that is more recent.

5 OTHER CONSIDERATIONS

5.1 Trees subject to statutory controls:

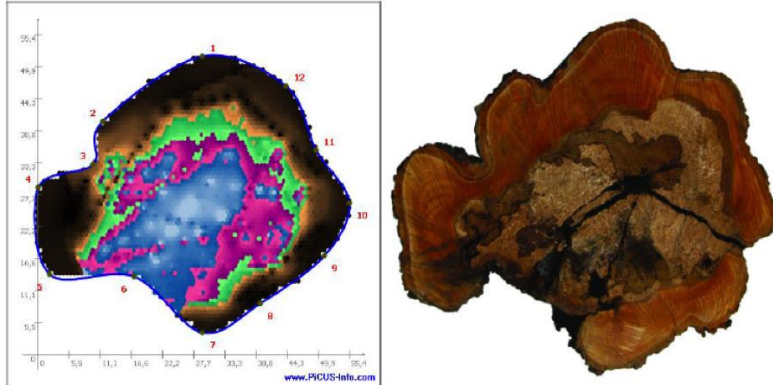
If the tree is covered by a tree preservation order or located in a conservation area or likely to be habited by protected wildlife, it will be necessary to consult the local authority/relevant body before any pruning works other than certain exemptions can be carried out.

The works specified above are necessary for reasonable management and should be acceptable to the local authority. However, tree owners should appreciate that they may take an alternative point of view and have the option to refuse consent.

6 SONIC TOMOGRAPHY

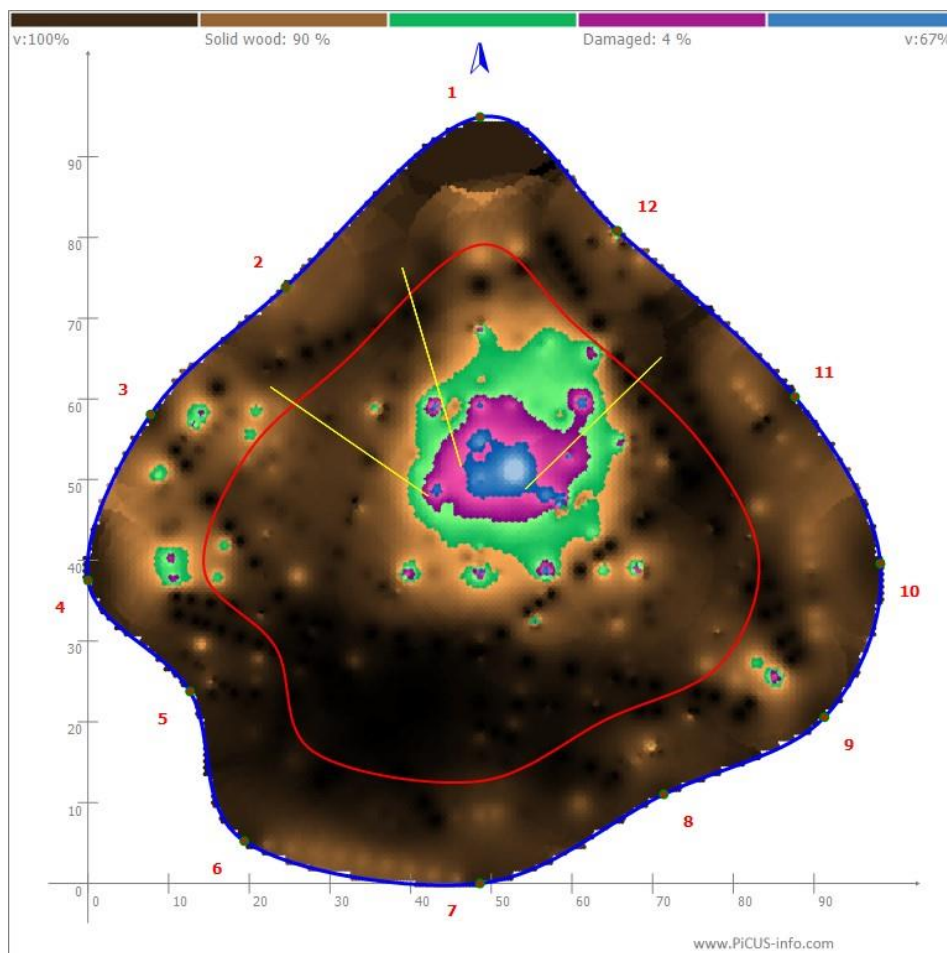
This works by placing several sensors around the trees stem and transmitting a signal between these by tapping with a digital hammer. The sound velocity is then measured, and software converts this information into a colour image. The colours represent wood qualities with darker colours being sound wood, and lighter colours decayed wood or even cavities.

Example Comparison.

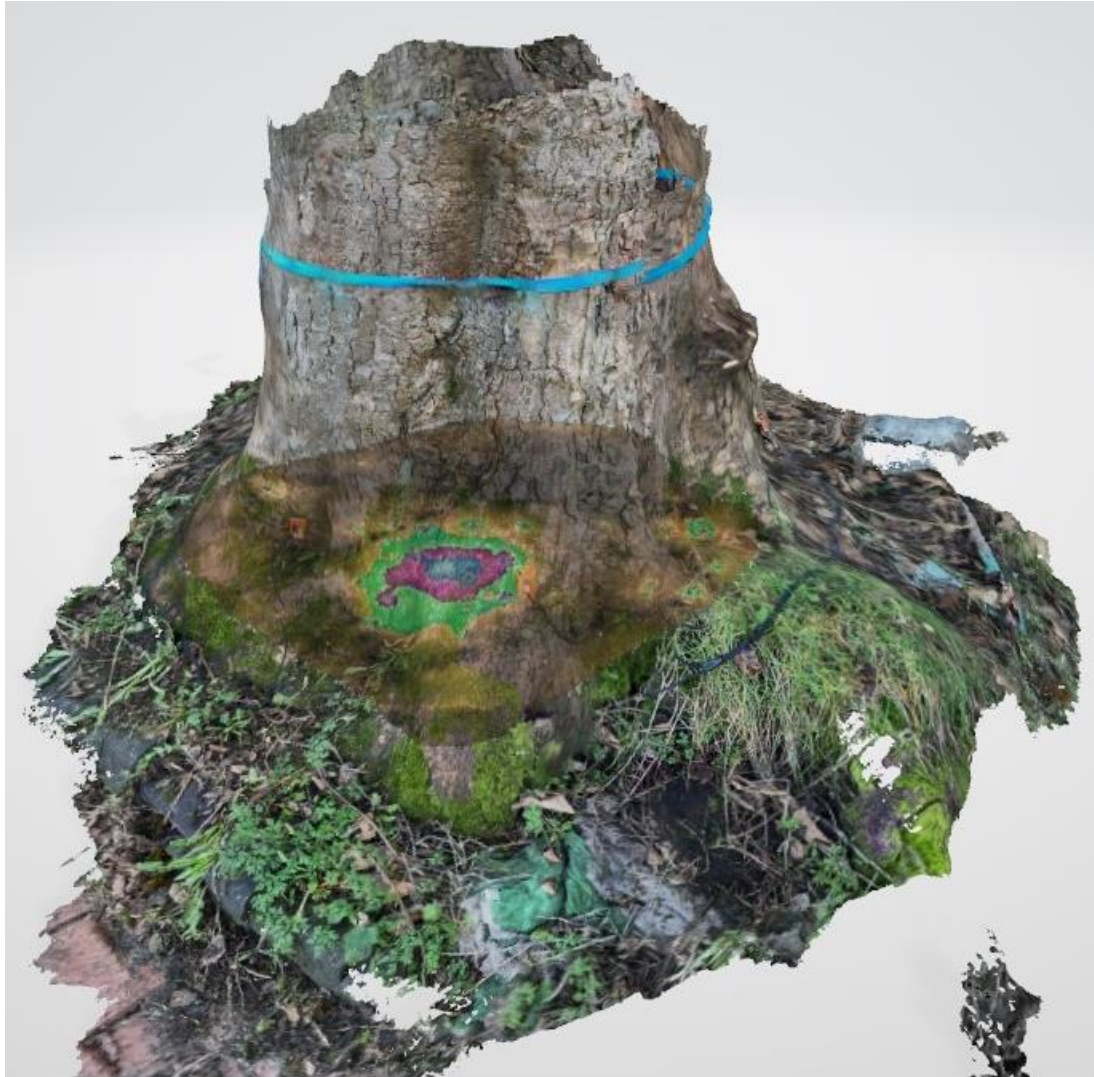


Tomogram 1.

Showing only 4% decayed wood. The red line demarks the area of sound wood needed to meet the requirement of the thickness in relation to radius calculation, generally excepted as the standard.



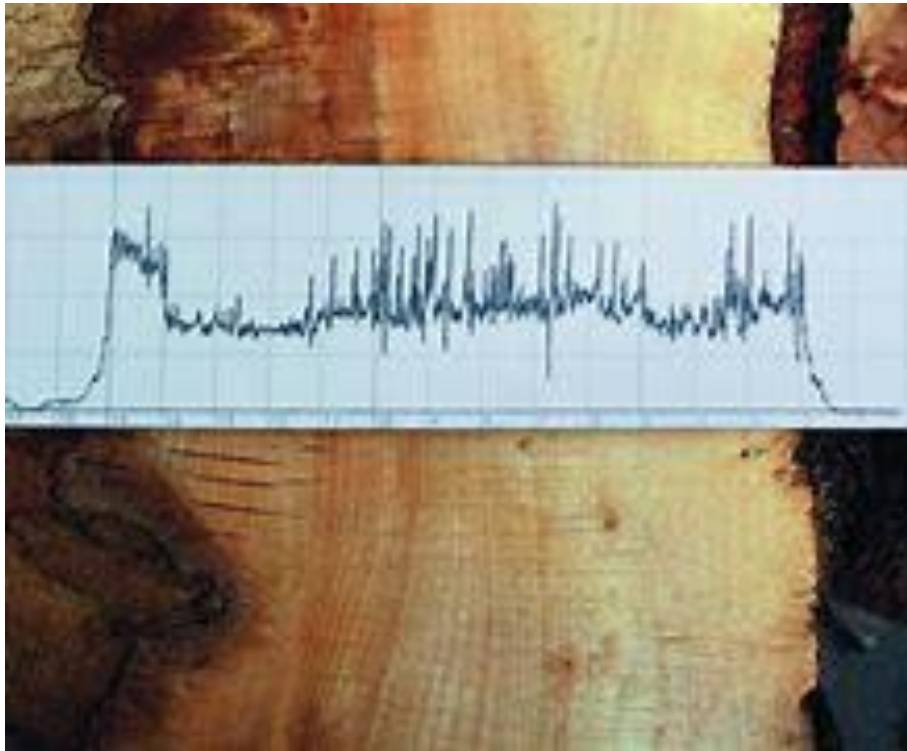
Tomogram in tree from north.



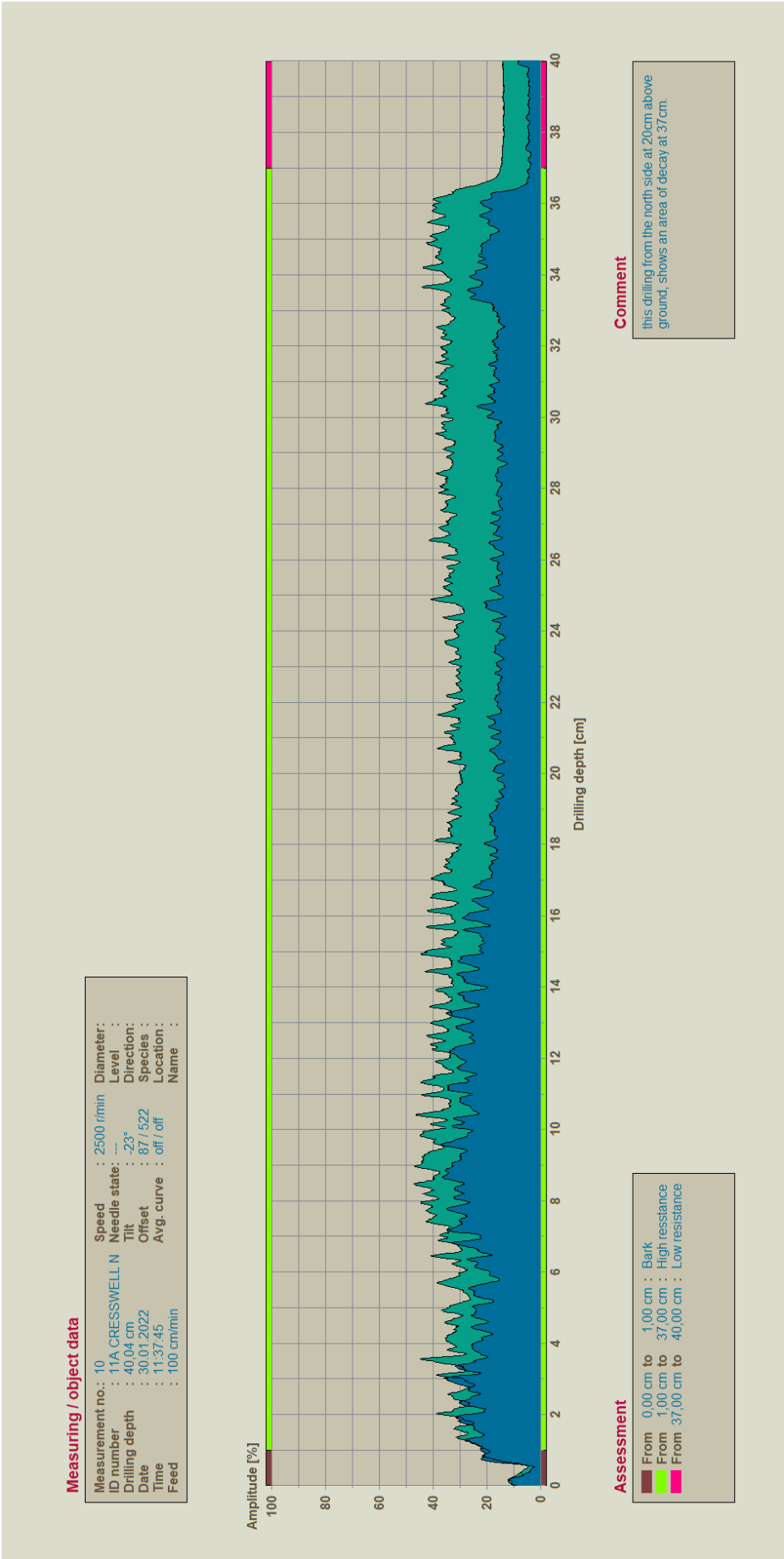
7 Resistography

Resistography works by drilling a very small diameter hole, the drill unit measures torsional resistance and displays this resistance in a 1:1 scaled graph.

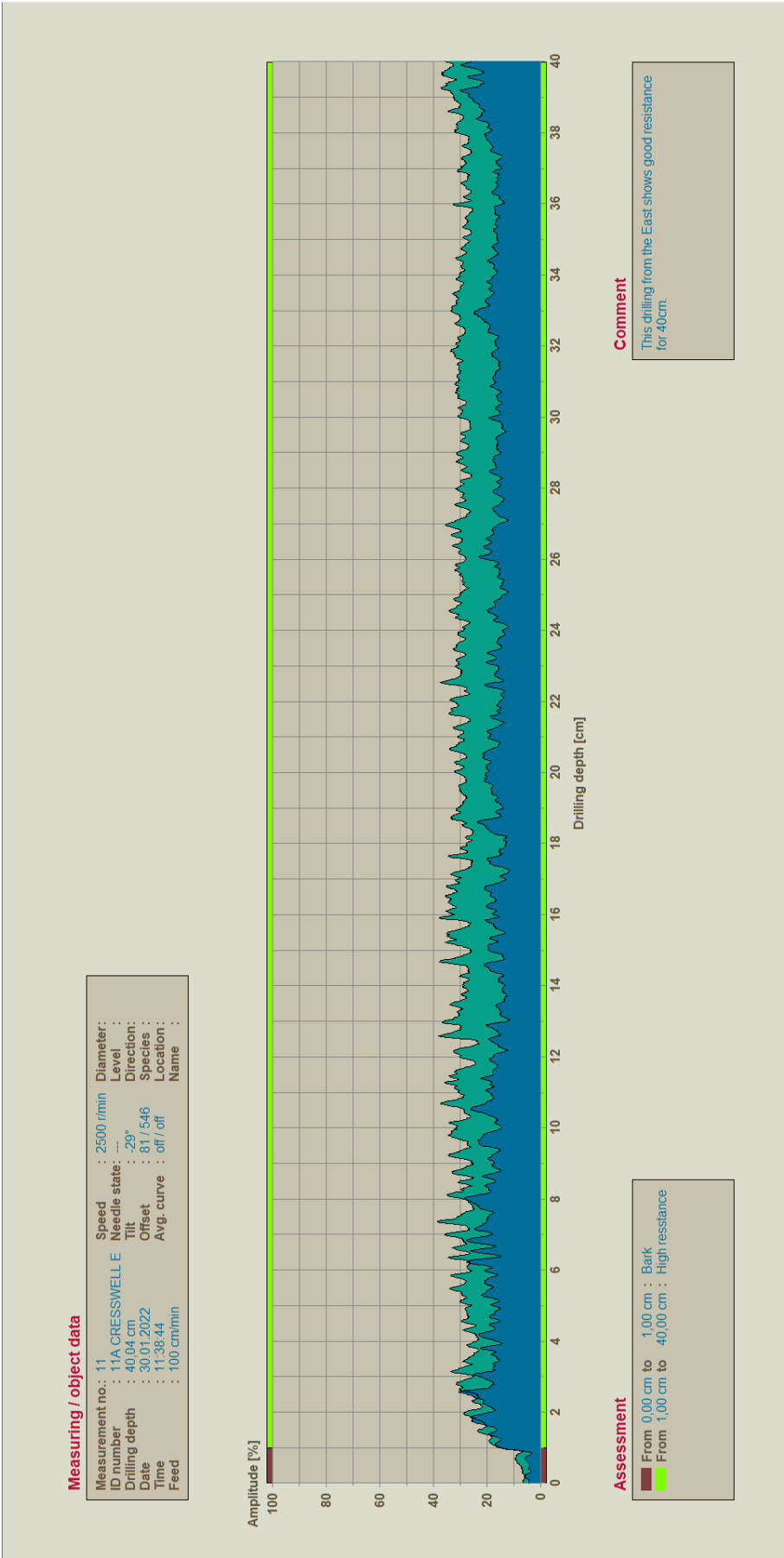
Where the graph increases this indicates solid wood and where the graph decreases or flatlines, this indicates decayed wood, cracks or even cavities.



Resistograph North



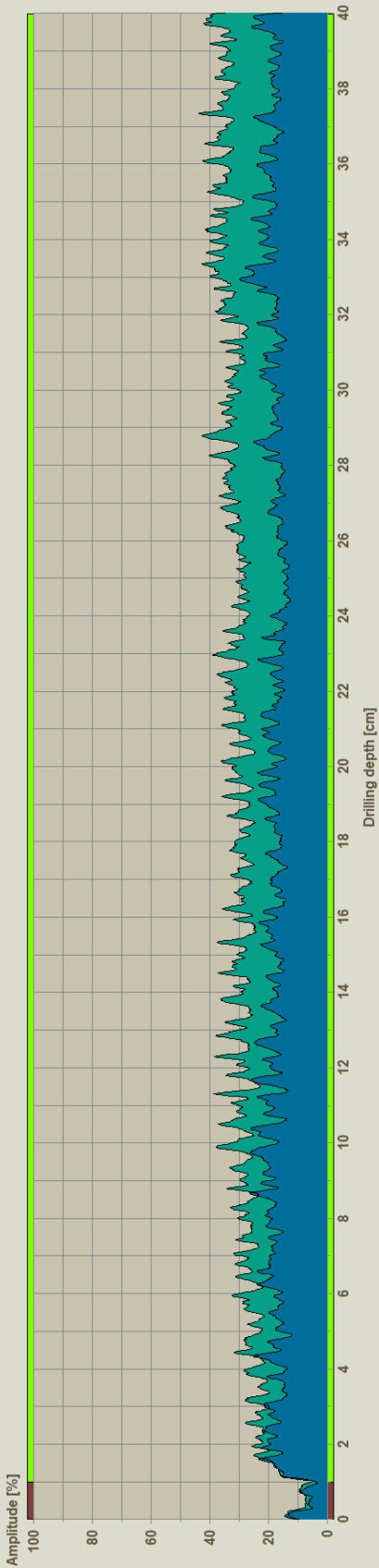
Resistograph East



Resistograph South

Measuring / object data

Measurement no.:	12	Speed	: 2500 r/min	Diameter:	
ID number	: 11A CRESSWELL S	Needle state:	---	Level	:
Drilling depth	: 40.04 cm	Tilt	: -14°	Direction:	
Date	: 30.01.2022	Offset	: 71 / 515	Species	:
Time	: 11:39:43	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		



Assessment

From 0.00 cm to 1.00 cm	: Bark
From 1.00 cm to 40.00 cm	: High resistance

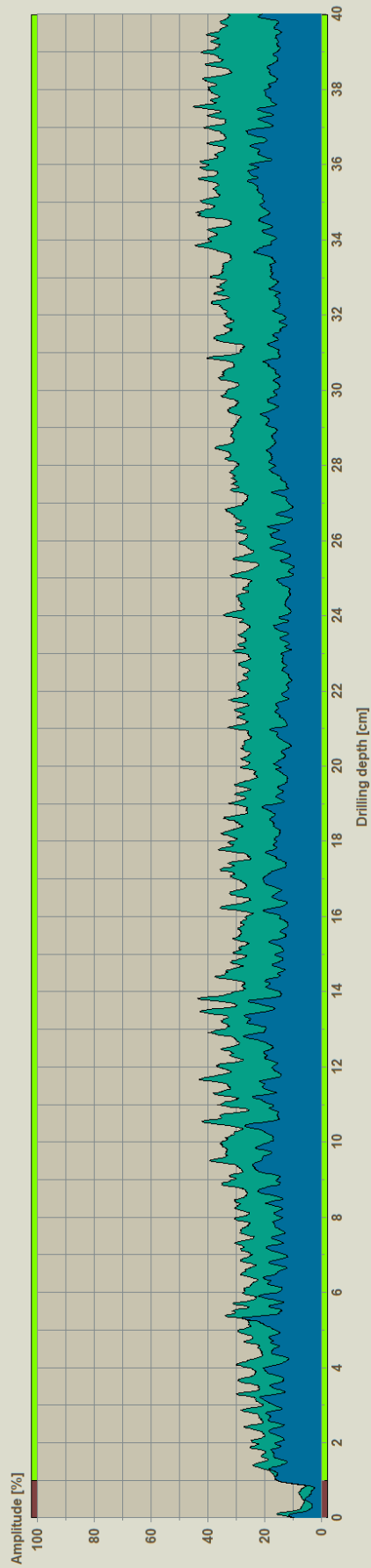
Comment

This drilling from the South shows good resistance for 40cm.

Resistograph West

Measuring / object data

Measurement no.:	13	Speed	: 2500 r/min	Diameter:	
ID number	: 11A CRESSWELL W	Needle state:	---	Level	:
Drilling depth	: 40.04 cm	Tilt	: -25°	Direction:	
Date	: 30.01.2022	Offset	: 75 / 569	Species	:
Time	: 11:40:57	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		



Assessment

From 0,00 cm to 1,00 cm	: Bark
From 1,00 cm to 40,00 cm	: High resistance

Comment

This drilling from the West shows good resistance for 40cm.

Photograph 1



Photograph 2



Apex Arb Training Ltd, Walkmill Farmhouse, Walk Mill, Eccleshall, ST21 6ER
Tel: 01785 280143
Mob: 07791 605132
www.apexarbtraining.co.uk