

## An assessment of timber and damp at

NEW MILLS, MARSDEN HD7 6AZ

- BROUGHAM ROAD BUILDING

### INTRODUCTION

Following instructions from Philip Wilkinson of RPP, we visited the site on two trips from 17<sup>th</sup> – 20<sup>th</sup> March and 1<sup>st</sup> -3<sup>rd</sup> April 2025.

The objective of the survey was to complete an assessment of timber and damp at the New Mills complex with a focus on the Brougham Road

Building, East Mill and West Mill. The results of the survey will support the planning application and costing of works. Recommendations have been provided on which principal timbers can be retained, repaired or replaced. General guidance has been included related to tackling damp issues.

This report focuses on the Brougham Road Building, and separate reports have been produced for the East Mill and West Mill.

Brougham Road building has two floors, the first section of the report focuses on the roof structure (Page 3) and the second focuses on the first-floor structure (Page 18). The observations and microdrill interpretations for each floor are considered collectively in the Discussion & Recommendation section (Page 31).



The first two sections include:

- An introduction to the principal structure, type of connections and coding system used in the assessment.
- Marked up plans for the floor/roof
- Summary of key findings.
- Series of photo observations which are referenced to the plans.
- Detailed list of microdrill interpretations which reference the drill number and ID.

The Microdrill drills a 2mm spade bit into the timber at a constant pressure, measuring the resistance encountered and presenting it as a graph. The graph profile correlates with density of the timber, where low density or resistance and an irregular graph profile is a good indicator of concealed decay.

The microdrill charts have been appended to the end of the report in addition to some detailed guidance on how to interpret the microdrill graphs (Page 33). In the schedule the terms 'low' and 'high' resistance are used. The term 'low resistance' doesn't, in isolation, mean decay. The progression of the probe through a heterogeneous material like timber will be affected by growth ring orientation, position of the sapwood margin and even moisture content. As such, the graph is interpreted to take account not just of overall density, but also coherence of the trace.

## ROOF INTRODUCTION - BROUGHAM ROAD BUILDING

The building has a M-shaped roof with a central valley and two ridges. There is a total of 16 bays, with 30 trusses. The E end of the building has a hipped roof. A valley beam runs between each set of trusses and supports a metal box gutter. The N pitch of each roof has glass panels, which are in varying condition.

The central valley column has a shoe for each truss bearing and the two valley beams slot into the connection. The shoe does not cover the tie beam, and packers have been inserted below the tie beam at approximately 2/3 of the connections.

The trusses bear into the wall head at the N and S elevations. Purlins have individual metal shoes for each connection to the principal rafters and bear into the wall head at the W end of the building. The E end has hips which are supported by dragon ties and two rafter plates run parallel to the E wall.



Each connection of the principal roof structure was investigated with a microdrill where applicable and accessible. A coding system was utilised to provide an ID for each microdrill trace.

The roof structure was divided into 16 grids (as number on the plans) running from W to E. The purlins lines were lettered from A-H (as shown on the plans). For each grid there was 6 locations which refer to key connections.

- 1 – Truss bearing into N wall
- 2 – Shoe and N truss bearing
- 3 – Shoe and W valley beam bearing
- 4 – Shoe and E valley beam bearing
- 5 – Shoe and S truss bearing
- 6 – Truss bearing into S Wall

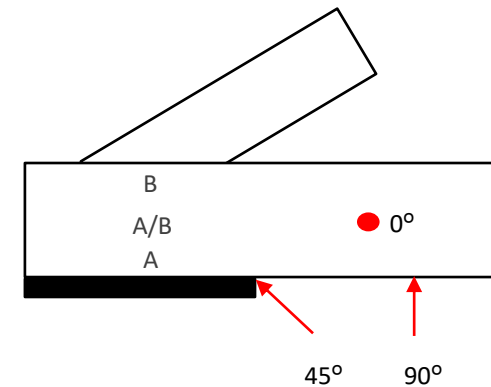


For each location, different positions of the connection were microdrilled, which were provided with a letter.

A – Bearing

A/B – Midpoint between the bearing and principal rafter connection

B – Principal rafter connection to tie beam



If a number was included after the letter this relates to the drill position from the shoe.

For example, A1 indicates the trace was taken from the edge of the shoe+100mm. Each increase in number relates to an additional 100mm distance from the shoe. If the letter O follows the letter, this relates only to the graph immediately before and indicates that the trace was taken from the opposite side of the timber to the preceding sample position. The 'O' sampling was used when the first graph wasn't conclusive, so the sampling was repeated – but from the other side of the timber.

Three drilling angles were used either 45°, 90° or 0°. For drilling a truss where it bears into a wall or the valley beam bearing into the shoe connection, a 45° angle was used. For drilling a tie beam on a shoe connection, a 0° angle was used, unless the sides of the tie beam were obscured. For any drilling that included a number after the letter, a 90° angle was used. Each microdrill chart includes the angle that the trace was taken, and it is referred to as the tilt in the 'Measuring / object data box' – LHS of graph.

The coding used was: **Building . Structure . Grid . Connection Position** with the following options used:

**Building:** BR – Brougham Road building, EM – East Mill or WM – West Mill

**Structure:** R – Roof or 1 – First floor

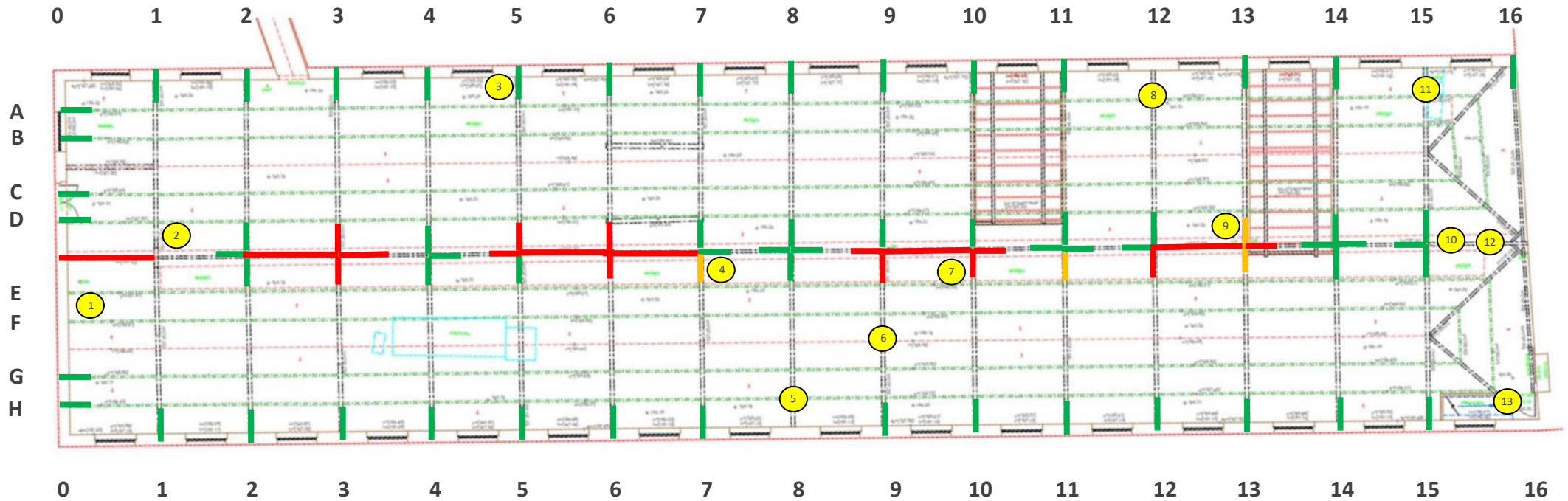
**Grid:** 0-16

**Connection:** 1-6

**Position:** A, A/B, B + O or number

Some areas within the building were not accessible due to machinery or leftover materials blocking access, or the floor being unsafe due to decay. Key connections which were not accessible have been provided with a photo observation and are not marked up on the plans.

# ROOF PLANS - BROUGHAM ROAD BUILDING



## Key

- Connection bearing is sound
- Connection bearing is decayed
- Connection bearing is sound, but principal rafter connection is decayed
- x Position reference for photo observation
- 1** Grid numbers
- A** Purlin reference letters



## SUMMARY – BROUGHAM ROAD BUILDING ROOF





Connection	Comment
<b>GRID 0</b>	
Purlin W bearing	Purlin bearings A, B, C, D, G & H in the W wall were sound. Purlin bearing E & F were not accessible (Ob. 1) but appeared to be sound.
Valley beam W bearing	The valley beam W bearing was not accessible but appeared decayed.
<b>GRID 1</b>	
Truss N bearing	Sound.
Shoe connection	The shoe connection was not accessible (Ob. 2). The W valley beam connection appeared decayed and has been marked red for its full length (as both bearings appeared decayed).
Truss S bearing	Sound.
<b>GRID 2</b>	
Truss N bearing	Sound.
Shoe connection	N and S Truss connection were sound. E valley beam connection was decayed and has been marked red for its full length (as both bearings decayed). W valley beam connection was sound (not microdrilled).
Truss S bearing	Sound
<b>GRID 3</b>	
Truss N bearing	Sound.
Shoe connection	N Truss connection decayed and regained full section at shoe+1M. S Truss connection decayed and regained full section at shoe+600mm. E and W valley beam connections were decayed. E valley beam did not regain full section at shoe+2m (over half of the length of the valley beam).
Truss S bearing	Sound.
<b>GRID 4</b>	
Truss N bearing	Sound.



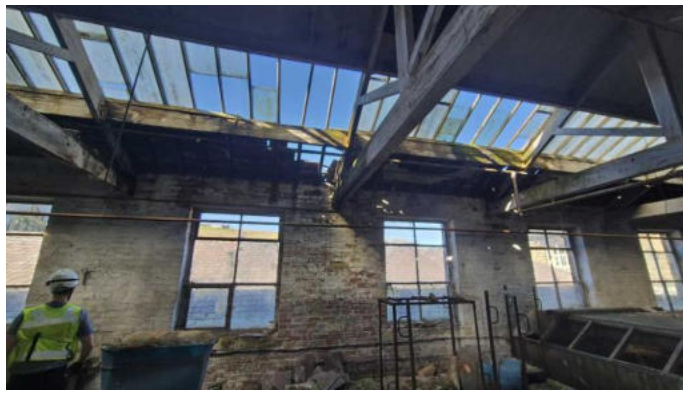



Shoe connection	N and S Truss connection were sound. The E valley beam was sound, and the W valley beam was not accessible due to unstable floor, although it appeared sound, the beam had already decayed for over 50% of its section from grid 3 connection.
Truss S bearing	Sound.
<b>GRID 5</b>	
Truss N bearing	Sound.
Shoe connection	Internal downpipe at shoe connection. The W valley beam connection was decayed and regained full section at shoe+200mm. The E valley beam connection was decayed, and the beam was decayed for its full length. The N truss connection was decayed and regained full section at shoe+300mm. The S truss shoe bearing was sound, although the principal rafter connection and top 70mm of the tie beam was decayed.
Truss S bearing	Sound.
<b>GRID 6</b>	
Truss N bearing	Sound.
Shoe connection	The W and E valley beam connection were decayed (for both valley beams the other connections were decayed). The N truss connection bearing was decayed and regained full bearing section at shoe+200mm, although the top of the tie beam had water staining and decay to the top edge. The S truss connection bearing was decayed and regained full section at shoe+100mm, and the principal rafter had fungal growth on its top edge.
Truss S bearing	Sound.
<b>GRID 7</b>	
Truss N bearing	Sound.
Shoe connection	The N truss connection is sound. The E valley bearing is sound although the top third of the valley beam is decayed. The S truss connection bearing is sound, but the top of the tie beam and principal rafter connections is decayed and requires a repair.
Truss S bearing	Sound.
<b>GRID 8</b>	
Truss N bearing	Sound.
Shoe connection	All four connections were sound.

Truss S bearing	Not accessible (Ob. 5) but appeared sound.
<b>GRID 9</b>	
Truss N bearing	Sound.
Shoe connection	Internal downpipe at shoe connection. The N truss connection bearing is sound, but there is decay to the top of the tie beam below the principal rafter toe. The W valley connection is decayed and regained full section at shoe+500mm, and the E valley beam is decayed at its connection (in addition to connection to shoe at grid 10). The S truss connection bearing and toe of principal rafter is decayed and regains full section at shoe+500mm.
Truss S bearing	Sound.
<b>GRID 10</b>	
Truss N bearing	Sound.
Shoe connection	N truss connection sound. The E and W valley beam connection are decayed, and the E valley regains full section at shoe+1M. The S truss connection bearing and principal rafter connection are decayed, with broken window above (Ob. 7). The tie beam regains full section at shoe+2.5M.
Truss S bearing	Sound.
<b>GRID 11</b>	
Truss N bearing	Sound.
Shoe connection	All connection bearings are sound. The S truss connection has surface decay, and the principal rafter connection is extinct and requires additional support. The E valley beam has decay to the top 40mm.
Truss S bearing	Sound.
<b>GRID 12</b>	
Truss N bearing	Not accessible (Ob. 8) but appeared decayed.
Shoe connection	The N truss and W valley connection bearings are sound. The E valley bearing is decayed (as is the other end at grid 13). The S truss connection bearing is decayed and regains full section at shoe+500mm.
Truss S bearing	Sound.
<b>GRID 13</b>	
Truss N bearing	Sound.

Shoe connection	Internal downpipe at shoe connection. The W and E valley beam connection is decayed, and the E valley beam regains full section at shoe+1.2M. The N and S truss bearing are both sound, but the N truss has a line of decay on its bearing edge (Ob. 9) and the S truss principal rafter connection is decayed and requires repair.
Truss S bearing	Sound.
<b>GRID 14</b>	
Truss N bearing	Sound.
Shoe connection	All connection bearings are sound. E and W Valley beam has short bearing on the shoe.
Truss S bearing	Sound.
<b>GRID 15</b>	
Truss N bearing	Not accessible (Ob. 11) but appeared sound.
Shoe connection	W valley beam, N and S truss connections are sound. The E valley had been provided with additional support (Ob.10) which prevented microdrill investigation.
Truss S bearing	Sound.
<b>GRID 16</b>	
N Hip & Rafter Plate Bearing	The hip was sound, and the rafter plate bearing in the N wall was microdrilled and found to be sound.
Valley Hip & Rafter Plate Connection	This area could not be investigated due to the floor being unstable (Ob.12). An internal downpipe is present at the connection.
S Hip & Rafter Plate Bearing	The connection is water stained and soft (Ob.13). The rafter plate has the lower 2/3 removed.

## PHOTO OBSERVATIONS - BROUGHAM ROAD BUILDING ROOF

<p>1 Purlin bearing E &amp; F (circled in yellow) were not accessible for investigation due to condition of floor and leftover materials.</p>		<p>2 Shoe connection (Grid 1) was not accessible for investigation due to condition of floor and leftover materials</p>	
<p>3 Broken window above the truss connection, has led to water staining to tie beam and principal rafter, although both are sound.</p>		<p>4 The top of the tie beam has decayed and splintered. The principal rafter connection is extinct, and the top of the principal rafter is decayed for 75mm depth for 500mm from connection.</p>	
<p>General Comment  The top 1/3 of the valley beams have decayed, for the majority of the valley beams.</p>		<p>5 The S truss bearing was not accessible due to leftover materials, it appeared to be sound.</p>	

<p>6 Tie beam is showing a change of colour. This is linked to previous use of the space, and not to water ingress or decay.</p>		<p>7 Broken window above the truss shoe connection has resulted in water staining and decay to tie beam and principal rafter.</p>	
<p>8 The N truss bearing of grid 12 was not accessible due to the poor condition of the floor. It appeared to be decayed.</p>		<p>9 Decay to the edge of the tie beam.</p>	
<p>10 The valley beam had been provided with additional metal support, which prevented the bearing from being microdrilled.</p>		<p>11 The truss N bearing of grid 15 could not be accessed due to machinery.</p>	

12  
Valley, hip and rafter plate connection could not be accessed due to poor condition of the floor.



13  
The connection is wet and soft. The rafter plate appears to be floating but the top third remains.



## MICRODRILL INTERPRETATIONS - BROUGHAM ROAD BUILDING ROOF

Graph #	Graph ID	Grid	Connection	Position	Comments
1	BR.R.1.1A	1	Truss N bearing	A - Bearing	Trace shows sound timber.
2	BR.R.1.6A	1	Truss S bearing	A - Bearing	Trace shows sound timber.
3	BR.R.2.1A	2	Truss N bearing	A - Bearing	The truss had slight water staining and surface softness. Trace shows sound timber, with resistance increasing in first 100mm.
4	BR.R.2.2A	2	Shoe N Truss	A - Bearing	Trace shows 150mm sound timber.
5	BR.R.2.5A	2	Shoe S Truss	A - Bearing	Trace shows 150mm sound timber.
6	BR.R.2.6A	2	Truss S Bearing	A - Bearing	Trace shows sound timber.
7	BR.R.3.1A	3	Truss N bearing	A - Bearing	Trace shows sound timber.
8	BR.R.3.2A	3	Shoe N Truss	A - Bearing	Trace shows 80mm pocket of decayed timber with 30mm of sound timber either side. The timber was water stained.
9	BR.R.3.2A10	3	Shoe N Truss	A10 - Shoe+1M	Trace shows sound timber with slight decrease in resistance at 140mm drilling depth.
10	BR.R.3.4A10	3	Shoe E Valley	A10 - Shoe+1M	Trace shows decayed timber aside from 20mm of sound timber on outer edges. The shoe has corroded, and the timber was water stained.
11	BR.R.3.4A20	3	Shoe E Valley	A10 - Shoe+2M	Trace shows decayed timber from 40mm drilling depth onwards.

12	BR.R.3.5A3	3	Shoe S Truss	A3-Shoe+300mm	Trace shows decayed timber for first 50mm with remaining timber sound.
13	BR.R.3.5A6	3	Shoe S Truss	A3-Shoe+600mm	Trace shows sound timber.
14	BR.R.3.6A	3	Truss S Bearing	A - Bearing	Trace shows sound timber.
15	BR.R.4.1A	4	Truss N Bearing	A - Bearing	Trace shows sound timber.
16	BR.R.4.2A	4	Shoe N Truss	A - Bearing	Trace shows 150mm sound timber.
17	BR.R.4.4A	4	Shoe E Valley	A - Bearing	Trace shows sound timber, and the drill exits the timber at 90mm drilling depth.
18	BR.R.4.5A	4	Shoe S Truss	A - Bearing	Trace shows 150mm sound timber.
19	BR.R.4.6A	4	Truss S Bearing	A - Bearing	Trace shows sound timber with high resistance.
20	BR.R.5.1A	5	Truss N Bearing	A - Bearing	Trace shows sound timber. There was a broken window above this bearing and the tie beam and principal rafter had water staining (Ob. 3).
21	BR.R.5.2A3	5	Shoe N Truss	A3-Shoe+300mm	Trace shows sound timber for full section. Tie beam, packer and principal rafter connection was decayed. Principal rafter regained full section after connection.
22	BR.R.5.3A	5	Shoe E Valley	A - Bearing	Trace shows 20mm of sound timber, with remaining section decayed.
23	BR.R.5.3A2	5	Shoe E Valley	A2-Shoe+200mm	Trace shows sound timber but with lower resistance.
24	BR.R.5.5A	5	Shoe S Truss	A - Bearing	Trace shows 150mm sound timber. The packer was decayed.
25	BR.R.5.5B	5	Shoe S Truss	B – PR connection	Trace shows an enlarged connection between principal rafter and tie beam. The foot of the principal rafter was decayed, and the top 70mm of the tie beam was decayed for approximately 200mm.
26	BR.R.5.5A0	5	Shoe S Truss	A0 – Bearing 45°	Trace shows sound timber for 210mm.
27	BR.R.5.6A	5	Truss S Bearing	A - Bearing	Trace shows sound timber.
28	BR.R.6.1A	6	Truss N Bearing	A - Bearing	Trace shows sound timber.
29	BR.R.6.2A	6	Shoe N Truss	A - Bearing	Trace shows a 50mm pocket of decay.
30	BR.R.6.2A	6	Shoe N Truss	A1-Shoe+100mm	Trace shows 140mm of sound timber, before the drill bit hits a hard object and retracts.
31	BR.R.6.2A	6	Shoe N Truss	A2-Shoe+200mm	Trace shows 150mm of sound timber, with resistance dropping for 60mm and then showing 80mm of decay. The tie beam had water staining on the top and decay to the top of the beam.

32	BR.R.6.2B	6	Shoe N Truss	B – PR connection	Trace shows a drop in resistance at the connection point.
33	BR.R.6.5A	6	Shoe S Truss	A - Bearing	Trace shows two small pockets of decay of 20mm each, with sound timber between. The packer was sound.
34	BR.R.6.5A1	6	Shoe S Truss	A1-Shoe+100mm	Trace shows sound timber.
35	BR.R.6.5B	6	Shoe S Truss	B – PR connection	Trace shows sound timber with a slightly enlarged connection between 60-80mm drilling depth. The top of the principal rafter had fungal growth.
36	BR.R.6.6A	6	Truss S Bearing	A - Bearing	Trace shows sound timber.
37	BR.R.7.1A	7	Truss N Bearing	A - Bearing	Trace shows sound timber for 180mm, until the drill bit hits a hard object and retracted. The top of tie beam was wet and soft on the surface.
38	BR.R.7.2A	7	Shoe N Truss	A - Bearing	Trace shows 150mm sound timber.
39	BR.R.7.4A	7	Shoe E Valley	A - Bearing	Trace shows 110mm of sound timber, before the drill bit exits.
40	BR.R.7.4A	7	Shoe E Valley	A1-Shoe+100mm	Trace shows 210mm of sound timber. The top third of the valley beam is decayed along its full length, but the bearing is sound.
41	BR.R.7.5A	7	Shoe S Truss	A - Bearing	Trace shows 150mm of sound timber.
42	BR.R.7.5A	7	Shoe S Truss	B – PR connection	Trace shows 110mm of sound timber before resistance drops out. The top of the tie beam has decayed and splintered. The principal rafter connection is extinct, and the top of the principal rafter is decayed for 75mm depth for 500mm from connection (Ob. 4).
43	BR.R.7.6A	7	Truss S Bearing	A - Bearing	Trace shows sound timber.
44	BR.R.8.1A	8	Truss N Bearing	A - Bearing	Trace shows sound timber with high resistance.
45	BR.R.8.2A	8	Shoe N Truss	A - Bearing	Trace shows 150mm sound timber.
46	BR.R.8.3A	8	Shoe W Valley	A - Bearing	Trace shows sound timber, with a possible transition between timbers at a drilling depth of 70mm.
47	BR.R.8.4A	8	Shoe E Valley	A - Bearing	Trace shows sound timber.
48	BR.R.8.5A	8	Shoe S Truss	A - Bearing	Trace shows 150mm of sound timber.
49	BR.R.9.1A	9	Truss N Bearing	A - Bearing	Trace shows sound timber. The top of the tie beam and principal rafter has surface decay.

50	BR.R.9.2A	9	Shoe N Truss	A - Bearing	Trace shows 130mm of sound timber
51	BR.R.9.2B	9	Shoe N Truss	B- PR connection	Trace shows a good connection. The top of the tie beam is decayed at the toe of the principal rafter.
52	BR.R.9.3A	9	Shoe W Valley	A - Bearing	Trace shows initial 30mm of sound timber with remaining being decayed.
53	BR.R.9.3A1	9	Shoe W Valley	A1-Shoe+100mm	Trace shows first half sound, and second half decayed.
54	BR.R.9.3A5	9	Shoe W Valley	A5-Shoe+500mm	Trace shows sound timber.
55	BR.R.9.5A5	9	Shoe S Truss	A5-Shoe+500mm	Trace shows sound timber with progressively increasing resistance. The bearing of the truss was decayed and the toe of the principal rafter.
56	BR.R.9.6A	9	Truss S Bearing	A - Bearing	Trace shows sound timber with high resistance.
57	BR.R.10.1A	10	Truss N Bearing	A - Bearing	Trace shows sound timber.
58	BR.R.10.2A	10	Shoe N Truss	A - Bearing	Trace shows 150mm sound timber.
59	BR.R.10.3A	10	Shoe W Valley	A - Bearing	Trace shows 50mm sound timber, before a drop out of resistance indicating the back of the bearing is extinct.
60	BR.R.10.4A	10	Shoe W Valley	A - Bearing	Trace shows 60mm of low resistance timber, before a drop out of resistance indicating the back of the bearing is extinct. The top quarter of the valley beam was decayed.
61	BR.R.10.4A10	10	Shoe W Valley	A10-shoe+1M	Trace shows sound timber for 200mm.
62	BR.R.10.5A2	10	Shoe S Truss	A2-Shoe+200mm	Trace shows 260mm of sound timber with remaining section showing decay or low resistance. The bearing and principal rafter connection is decayed. Water staining runs along the tie beam for approximately 2m, linked to broken window above (Ob. 7).
63	BR.R.10.5A10	10	Shoe S Truss	A10-Shoe+1M	Trace shows low resistance timber for first 140mm with remain section decayed.
64	BR.R.10.5A25	10	Shoe S Truss	A25-Shoe+2.5M	Trace shows sound timber.
65	BR.R.10.6A	10	Truss S Bearing	A - Bearing	Trace shows sound timber.
66	BR.R.11.1A	11	Truss N Bearing	A - Bearing	Trace shows sound timber, with relatively shorter bearing.
67	BR.R.11.2A	11	Shoe N Truss	A - Bearing	Trace shows 120mm of sound timber.
68	BR.R.11.3A	11	Shoe W Valley	A - Bearing	Trace shows sound timber.

69	BR.R.11.4A	11	Shoe E Valley	A - Bearing	Trace shows sound timber, with a possible shrinkage fissure at 70-80mm drilling depth. The top 40mm of the valley beam is decayed.
70	BR.R.11.5A	11	Shoe S Truss	A - Bearing	Trace shows initially 20mm of sound timber, followed by 20mm of decay, with the remaining 130mm drill depth showing sound timber. The top of the tie beam and principal rafter has surface decay, and the connection is extinct.
71	BR.R.11.5A5	11	Shoe S Truss	A5-Shoe+500mm	Trace shows sound timber.
72	BR.R.11.6A	11	Truss S Bearing	A - Bearing	Trace shows 100mm sound timber.
73	BR.R.12.2A	12	Shoe N Truss	A - Bearing	Trace shows 150mm sound timber. Decay to toe of principal rafter.
74	BR.R.12.2B	12	Shoe N Truss	B- PR connection	Trace shows 150mm sound timber.
75	BR.R.12.3A	12	Shoe W Valley	A - Bearing	Trace shows sound timber for 50mm with a drop of resistance for 10mm and a transition into a lower resistance timber (possibly the other valley beam end).
76	BR.R.12.5A5	12	Shoe S Truss	A5-Shoe+500mm	Trace shows sound timber.
77	BR.R.12.6A	12	Truss S Bearing	A - Bearing	Trace show sound timber.
78	BR.R.13.1A	13	Truss N Bearing	A - Bearing	Trace shows initial decay for 40mm and then sound timber for 140mm. The tie beam is wet and soft on its surface.
79	BR.R.13.1AO	13	Truss N Bearing	AO – Bearing Opposite Side	Trace shows sound timber.
80	BR.R.13.2A	13	Shoe N Truss	A - Bearing	Trace shows 50mm of high resistance with the remaining 120mm showing reduced resistance. There is decay to the side of the tie beam (Ob. 9).
81	BR.R.13.2B	13	Shoe N Truss	B- PR connection	Trace shows 40mm of high resistance followed by 60mm of low resistance, and then two drops in resistance covering 60mm.
82	BR.R.13.4A12	13	Shoe E valley	A12-Shoe+1.2M	Trace shows sound timber.
83	BR.R.13.5A	13	Shoe S Truss	A - Bearing	Trace shows 150mm sound timber. The principal rafter connection is decayed, although above the connection it is sound. The top of the tie beam has surface decay.
84	BR.R.13.6A	13	Truss S Bearing	A - Bearing	Trace shows sound timber.
85	BR.R.14.1A	14	Truss N Bearing	A - Bearing	Trace shows sound timber.

86	BR.R.14.2A	14	Shoe N Truss	A - Bearing	Trace shows 150mm of high resistance timber.
87	BR.R.14.3A	14	Shoe W Valley	A - Bearing	Trace shows 80mm of sound timber, which then transitions into end of E valley beam.
88	BR.R.14.4A	14	Shoe E Valley	A - Bearing	Trace shows 50mm of sound timber, which then transitions into end of W valley beam
89	BR.R.14.5A	14	Shoe S Truss	A - Bearing	Trace shows 150mm of sound timber.
90	BR.R.14.6A	14	Truss N Bearing	A - Bearing	Trace shows sound timber.
91	BR.R.15.2A	15	Shoe N Truss	A - Bearing	Trace shows 150mm sound timber.
92	BR.R.15.3A	15	Shoe W Valley	A - Bearing	Trace shows 60mm of sound timber, then followed by either a shrinkage fissure or transition into the other valley beam.
93	BR.R.15.5A	15	Shoe S Truss	A - Bearing	Trace shows 160mm sound timber.
94	BR.R.15.6A	15	Truss S Bearing	A - Bearing	Trace shows sound timber.
95	BR.R.16.1(RP)A	16	Rafter Plate Bearing	A - Bearing	Trace shows sound timber.

## FIRST FLOOR INTRODUCTION - BROUGHAM ROAD BUILDING

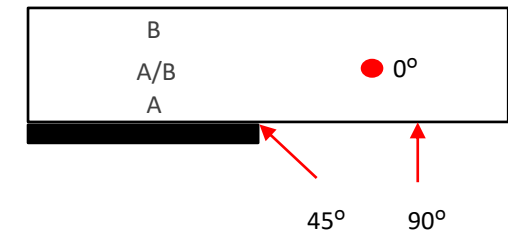
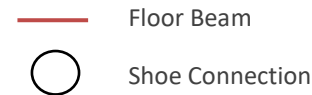
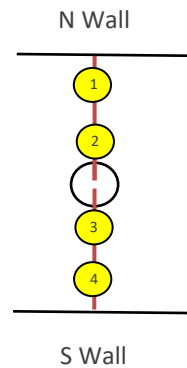
The first-floor structure consists of 16 bays, with 30 principal floor beams. The central column has a shoe for each floor beam. The shoe does not completely conceal the bearing of the floor beam. The floor beams bear into the walls of the N and S elevations of the building, except for N bearing of grid 9-15 where the floor beam bears into a shoe. The floor beams in grid 1-5 were covered in cladding.

Each connection of the principal first floor structure was investigated with a microdrill where applicable and accessible. A coding system was utilised to provide an ID for each microdrill trace.



The first-floor structure was divided into 15 grids (as number on the plans) running from W to E. For each grid there was 6 locations which refer to key connections.

- 1 – Floor beam bearing into N wall
- 2 – Shoe and N floor beam bearing
- 3 – Shoe and S floor beam bearing
- 4 – Floor beam bearing into S Wall



For each location different positions of the connection were microdrilled, which were provided with a letter. For the first-floor structure only A or A/B position was used.

- A – Bearing
- A/B – Midpoint between the bearing and principal rafter connection

If a number was included after the letter this relates to the drill position from the shoe/wall. For example, A1 indicates the trace was taken from the shoe+100mm. Each increase in number relates to an additional 100mm distance from the shoe. If the letter O follows the letter, this indicates that the trace was taken from the opposite side of the timber to the preceding graph.

Three drilling angles were used either 45°, 90° or 0°. For drilling a floor beam where it bears into a wall a 45° angle was used. For drilling a floor beam on a shoe connection a 0° angle was used, unless the sides of the floor beam were obscured. For any drilling that included a number after the letter a 90° angle was used. Each microdrill chart includes the angle that the trace was taken, and it is referred to as the tilt.

The coding used was: **Building . Structure . Grid . Connection Position** with the following options used:

**Building:** BR – Brougham Road building, EM – East Mill or WM – West Mill

**Structure:** R – Roof or 1 – First floor

**Grid:** 0-15

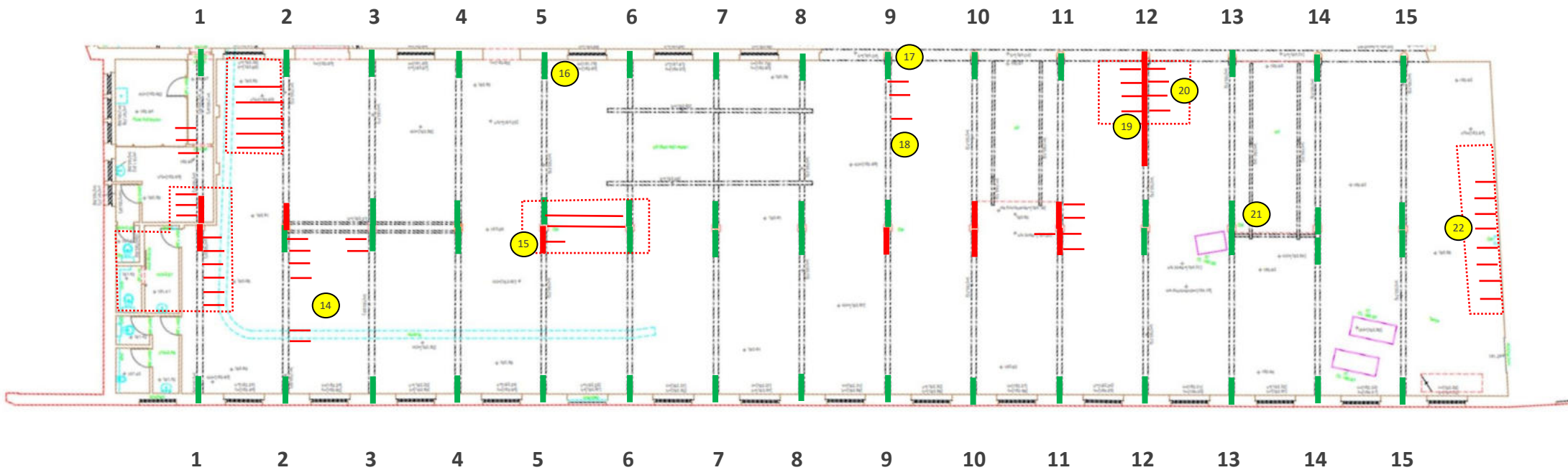
**Connection:** 1-4

**Position:** A, A/B, + O or number






An extended nib was used in the micro drilling on the first floor, this means that the first 40mm of the micro drill graphs are the drill bit travelling through the extended nib, before it enters the timber.

Observations were made on the secondary floor structure, and they have been marked up on the plans.

## FIRST FLOOR PLANS - BROUGHAM ROAD BUILDING



## Key

-  Connection bearing is sound
-  Connection bearing is decayed
-  Position reference for photo observation
- 1** Grid numbers
-  Joist is decayed
-  Area where floorboards are decayed or unstable









## SUMMARY – BROUGHAM ROAD BUILDING FIRST FLOOR

Connection	Comment
<b>GRID 1</b>	
Beam N Bearing	Sound.
Shoe Connection	N beam bearing decayed, regains full section at shoe+4m. S beam bearing decayed, regains full section at shoe+3M.
Beam S Bearing	Sound.
<b>GRID 2</b>	
Beam N Bearing	Sound
Shoe Connection	N beam decay in bearing, regains full section at Shoe+100mm. S beam bearing sound.
Beam S Bearing	Sound
<b>GRID 3</b>	
Beam N Bearing	Sound
Shoe Connection	Both connection bearings are sound.
Beam S Bearing	Sound.
<b>GRID 4</b>	
Beam N Bearing	Sound
Shoe Connection	Both connection bearings are sound.
Beam S Bearing	Sound.
<b>GRID 5</b>	
Beam N Bearing	Sound
Shoe Connection	N beam bearing is sound, and S Beam bearing has had remedial work completed with two steel plates attached (Ob.15). It is presumed the bearing is decayed, and there is a fracture emanating from the bearing, although there is full section in the timber at the shoe+300mm, taken between the steel plates.
Beam S Bearing	Sound
<b>GRID 6</b>	
Beam N Bearing	Sound

Shoe Connection	Both connection bearings are sound.
Beam S Bearing	Sound.
<b>GRID 7</b>	
Beam N Bearing	Sound
Shoe Connection	Both connection bearings are sound.
Beam S Bearing	Sound.
<b>GRID 8</b>	
Beam N Bearing	Sound
Shoe Connection	Both connection bearings are sound.
Beam S Bearing	Sound.
<b>GRID 9</b>	
Beam N Bearing	Sound
Shoe Connection	The N beam bearing has lost just under a 1/3 of its section, which means it could be retained. The S Beam is decayed in its bearing and regains full section at Shoe+2M.
Beam S Bearing	Sound
<b>GRID 10</b>	
Beam N Bearing	Sound
Shoe Connection	The N beam bearing is decayed and regains full section at shoe+100mm, although a small pocket of decay continues in the centre of the beam past this location. The S beam is decayed in its bearing and regains full section at shoe+100mm.
Beam S Bearing	Sound
<b>GRID 11</b>	
Beam N Bearing	Sound.
Shoe Connection	N and S beam are decayed in there bearing. N beam regains full section at shoe+300mm and S beam regains full section at shoe+1.5M.
Beam S Bearing	Sound.
<b>GRID 12</b>	

Beam N Bearing	The beam is decayed in its bearing and does not regain full section at shoe+4M which is over half its length, therefore it may be justifiable to replace the whole beam (Ob.19).
Shoe Connection	Both connection bearings are sound. The N beam has lost decay in over 50% of its section from its N bearing and therefore could be considered for replacement.
Beam S Bearing	Sound.
<b>GRID 13</b>	
Beam N Bearing	Sound
Shoe Connection	Both connection bearings are sound. The N Beam has a section of decay at its top edge which may be linked to a sapwood margin (Ob. 21). This decay does not impact the beam structurally.
Beam S Bearing	Sound.
<b>GRID 14</b>	
Beam N Bearing	Sound
Shoe Connection	Both connection bearings are sound.
Beam S Bearing	Sound.
<b>GRID 15</b>	
Beam N Bearing	Sound
Shoe Connection	Both connection bearings are sound.
Beam S Bearing	Sound.

## PHOTO OBSERVATIONS - BROUGHAM ROAD BUILDING FIRST FLOOR

<p>14 The beams on grid 1-4 have cladding. The ceiling is also cladded, and decay to joist has been marked on the plans where it can be observed.</p>		<p>15 The beam has had remedial work completed on the bearing with steel either side which is notched into the beam, and there is a fracture which runs from the bearing.</p>	
<p>16 There is fungal growth on the beam, cladding, floorboards and joists. This is below Ob. 3 where there is a broken window in the roof allowing water ingress.</p>		<p>17 The N beam bearing is into a metal shoe and not into the wall (as grid 1-8), and this continues for the remaining grids for the N Beam bearing.</p>	
<p>18 The joists have fungal growth and are decayed in their bearings.</p>		<p>19 The beam and surrounding joists and floorboards have active fungal growth. The beam has decayed at its other end and should be replaced.</p>	

20

The beam and surrounding joists and floorboards have fungal growth.



21

The top of the beam above the bearings is very wet with active decay. This may be a sapwood margin as the bearing and remaining section of the beam is sound.



22

The joists bearings have decayed, resulting from the internal downpipe which has led to the wall being damp.



## MICRODRILL INTERPRETATIONS - BROUGHAM ROAD BUILDING FIRST FLOOR

Graph #	Graph ID	Grid	Connection	Position	Comments
96	BR.1.1.1A	1	Beam N Bearing	A - Bearing	Trace shows initial 10mm resistance of cladding, before travelling through a 40mm gap before entering the beam which is sound.
97	BR.1.1.2A	1	Shoe N Beam	A - Bearing	Trace shows 220mm of low resistance decayed timber. The cladding surrounding the beam was also decayed.
98	BR.1.1.2A10	1	Shoe N Beam	A10-Shoe+1M	Trace shows 160mm of sound timber followed by 120mm of decay.
99	BR.1.1.2A20	1	Shoe N Beam	A20-Shoe+2M	Trace shows a pocket of decay from 90-130mm drilling depth and from 290mm drilling depth.
100	BR.1.1.2A30	1	Shoe N Beam	A30-Shoe+3M	Trace shows a pocket of decay from 90 – 140mm drilling depth.
101	BR.1.1.2A40	1	Shoe N Beam	A40-Shoe+4M	Trace shows initial 10mm resistance of cladding, and the remaining trace with sound timber.
102	BR.1.1.3A2	1	Shoe S Beam	A2-Shoe+200mm	Trace shows decay.
103	BR.1.1.3A20	1	Shoe S Beam	A20-Shoe+2M	Trace shows sound timber for first 160mm, and then resistance drop and shows decay for 100mm.
104	BR.1.1.3A30	1	Shoe S Beam	A30-Shoe+3M	Trace shows sound timber, with cladding from 40-60mm.
105	BR.1.1.4A	1	Beam S Bearing	A - Bearing	Trace shows sound timber.
106	BR.1.2.1A	2	Beam N Bearing	A - Bearing	Trace shows sound timber, although initial cladding has low resistance at 50mm drilling depth.
107	BR.1.2.2A	2	Shoe N Beam	A - Bearing	Trace shows 10mm of cladding at drilling depth 50mm which is then followed by a gap of 30mm, the remaining section has low resistance and indicates decay
108	BR.1.2.2A1	2	Shoe N Beam	A1-shoe+100mm	Trace shows sound timber, with higher resistance than in the bearing.
109	BR.1.2.3A	2	Shoe S Beam	A - Bearing	Trace shows 10mm of cladding at drilling depth 50mm which is then followed by a gap of 30mm, the remaining section has high resistance. The resistance drops out at 230mm and 270mm drilling depth which indicates shrinkage fissures, and the drill bit exits the timber at 290mm drilling depth.
110	BR.1.2.3A1	2	Shoe S Beam	A1-shoe+100mm	Trace show 10mm of cladding with lower resistance, the remaining section is sound timber with high resistance.
111	BR.1.2.4A	2	Beam S Bearing	A - Bearing	Trace shows sound timber.

112	BR.1.3.1A	3	Beam N Bearing	A - Bearing	Trace shows sound timber.
113	BR.1.3.2A	3	Shoe N Bearing	A - Bearing	Trace shows sound timber, with the drill bit exiting the timber at 350mm drilling depth.
114	BR.1.3.3A	3	Shoe S Bearing	A - Bearing	Trace shows sound timber.
115	BR.1.3.4A	3	Beam S Bearing	A - Bearing	Trace shows sound timber.
116	BR.1.4.1A	4	Beam N Bearing	A - Bearing	Trace shows sound timber, with drill bit exiting the timber at 330mm drilling depth.
117	BR.1.4.2A	4	Shoe N Beam	A - Bearing	Trace shows sound timber with low resistance. Drill bit exits the timber at 290mm drilling depth.
118	BR.1.4.2A1	4	Shoe N Beam	A1-Shoe+100mm	Trace shows sound timber with low resistance, although relative to bearing.
119	BR.1.4.3A	4	Shoe S Beam	A - Bearing	Trace shows sound timber with low resistance. Drill bit exits the timber at 280mm drilling depth.
120	BR.1.4.3A1	4	Shoe S Beam	A1-Shoe+100mm	Trace shows sound timber with low resistance. Drill bit exits the timber at 350mm drilling depth.
121	BR.1.4.4A	4	Beam S Bearing	A - Bearing	Trace shows sound timber with high resistance. Possible shrinkage fissures at 180mm and 220mm drilling depth.
122	BR.1.5.1A	5	Beam N Bearing	A - Bearing	Trace shows sound timber. The beam and surrounding timbers have fungal growth (Ob. 16).
123	BR.1.5.2A	5	Shoe N Beam	A - Bearing	Trace shows sound timber.
124	BR.1.5.3A3	5	Shoe S Beam	A3-Shoe+300mm	Trace shows sound timber with a slight lower resistance for the first 30mm. The beam has had remedial work completed on the bearing with steel either side which is notched into the beam, and there is a fracture which runs from the bearing (Ob.15).
125	BR.1.5.4A	5	Beam S Bearing	A - Bearing	Trace shows sound timber.
126	BR.1.6.1A	6	Beam N Bearing	A - Bearing	Trace shows sound timber.
127	BR.1.6.2A	6	Shoe N Beam	A - Bearing	Trace shows sound timber.
128	BR.1.6.3A	6	Shoe S Beam	A - Bearing	Trace shows sound timber.
129	BR.1.6.4A	6	Beam S Bearing	A - Bearing	Trace shows sound timber.
130	BR.1.7.1A	7	Beam N Bearing	A - Bearing	Trace shows sound timber.
131	BR.1.7.2A	7	Shoe N Beam	A - Bearing	Trace shows sound timber.
132	BR.1.7.3A	7	Shoe S Beam	A - Bearing	Trace shows sound timber.

133	BR.1.7.4A	7	Beam S Bearing	A - Bearing	Trace shows sound timber.
134	BR.1.8.1A	8	Beam N Bearing	A - Bearing	Trace shows sound timber.
135	BR.1.8.2A	8	Shoe N Beam	A - Bearing	Trace shows sound timber.
136	BR.1.8.3A	8	Shoe S Beam	A - Bearing	Trace shows sound timber, progressively increasing in resistance.
137	BR.1.8.4A	8	Beam S Bearing	A - Bearing	Trace shows sound timber.
138	BR.1.9.1A	9	Beam N Bearing	A - Bearing	Trace shows sound timber. The N beam bearing is into a metal shoe and not into the wall (as grid 1-8), and this continues for the remaining grids for the N Beam bearing (Ob.17).
139	BR.1.9.2A	9	Shoe N Beam	A - Bearing	Trace shows decay for the first 1/3 of the section.
140	BR.1.9.2A1	9	Shoe N Beam	A1-Shoe+100mm	Trace shows 260mm of sound timber, followed by 100mm of lower resistance timber.
141	BR.1.9.3A	9	Shoe S Beam	A - Bearing	Trace shows a pocket of low resistance and possibly decayed timber of 120mm.
142	BR.1.9.3A1	9	Shoe S Beam	A1-Shoe+100mm	Trace shows initially 120mm of sound timber with the remaining section being decayed.
143	BR.1.9.3A5	9	Shoe S Beam	A5-Shoe+500mm	Trace shows initially 120mm of sound timber with the remaining section having lower resistance indicating decay.
144	BR.1.9.3A10	9	Shoe S Beam	A10-Shoe+1M	Trace shows a pocket of decay of 90mm, with sound timber either side.
145	BR.1.9.3A15	9	Shoe S Beam	A15-Shoe+1.5M	Trace shows a pocket of decay of 90mm, with sound timber either side.
146	BR.1.9.3A20	9	Shoe S Beam	A20-Shoe+2M	Trace shows sound timber.
147	BR.1.9.4A	9	Beam S Bearing	A - Bearing	Trace shows sound timber.
148	BR.1.10.1A	10	Beam N Bearing	A - Bearing	Trace shows sound timber.
149	BR.1.10.2A	10	Shoe N Beam	A - Bearing	Trace shows a 60mm pocket of low resistance timber likely decayed.
150	BR.1.10.2A1	10	Shoe N Beam	A1-Shoe+100mm	Trace shows sound timber with a slight decrease in resistance in the middle third.
151	BR.1.10.2A3	10	Shoe N Beam	A3-Shoe+300mm	Trace shows sound timber with a slight decrease in resistance between drilling depth 190-250mm.
152	BR.1.10.3A	10	Shoe S Beam	A - Bearing	Trace shows decay for the middle third.
153	BR.1.10.3A1	10	Shoe S Beam	A1-Shoe+100mm	Trace shows sound timber. The beam is wet and soft in this location as compared to the bearing.
154	BR.1.10.4A	10	Beam S Bearing	A - Bearing	Trace shows sound timber.

155	BR.1.11.1A	11	Beam N Bearing	A - Bearing	Trace shows sound timber.
156	BR.1.11.2A	11	Shoe N Beam	A - Bearing	Trace shows a large pocket of decay of 140mm.
157	BR.1.11.2A1	11	Shoe N Beam	A1-Shoe+100mm	Trace shows sound timber for 160mm, followed by 60mm of low resistance timber and then 80mm of decay.
158	BR.1.11.2A5	11	Shoe N Beam	A5-Shoe+500mm	Trace shows sound timber.
159	BR.1.11.3A	11	Shoe S Beam	A - Bearing	Trace shows a large pocket of decay of 150mm.
160	BR.1.11.3A/B	11	Shoe S Beam	A/B – Midpoint	Trace shows a large pocket of decay of 150mm.
161	BR.1.11.3A1	11	Shoe S Beam	A1-Shoe+100mm	Trace shows two pockets of decay of 50mm and 70mm, with the remaining section being sound.
162	BR.1.11.3A3	11	Shoe S Beam	A3-Shoe+300mm	Trace shows a possible shrinkage fissure at 90mm drilling depth, and the final third has low resistance and possible decay.
163	BR.1.11.3A10	11	Shoe S Beam	A10-Shoe+1M	Trace shows lower resistance in the middle third.
164	BR.1.11.3A15	11	Shoe S Beam	A15-Shoe+1.5M	Trace shows sound timber with lower resistance in the middle third.
165	BR.1.11.4A	11	Beam S Bearing	A - Bearing	Trace shows sound timber.
166	BR.1.12.1A	12	Beam N Bearing	A - Bearing	Trace shows initial high resistance for 20mm with the remaining section having low resistance indicating decay.
167	BR.1.12.1A1	12	Beam N Bearing	A1-Wall+100mm	Trace shows initial high resistance for 20mm with the remaining section having low resistance which gets progressively lower.
168	BR.1.12.1A5	12	Beam N Bearing	A5-Wall+500mm	Trace shows high resistance for first 60mm, with remaining section having low resistance indicating decay.
169	BR.1.12.1A30	12	Beam N Bearing	A30-Wall+3M	Trace shows sound timber for the first third with the remaining two thirds showing low resistance and decay.
170	BR.1.12.1A40	12	Beam N Bearing	A40-Wall+4M	Trace shows a pocket of low resistance and decay in the middle third. There is fungal growth on the beam (Ob.19)
171	BR.1.12.2A	12	Shoe N beam	A - Bearing	Trace shows sound timber.
172	BR.1.12.3A	12	Shoe S beam	A - Bearing	Trace shows sound timber with high resistance.

173	BR.1.12.4A	12	Beam S Bearing	A - Bearing	Trace shows sound timber with high resistance.
174	BR.1.13.1A	13	Beam N Bearing	A - Bearing	Trace shows sound timber.
175	BR.1.13.2A	13	Shoe N Beam	A - Bearing	Trace shows sound timber with possible shrinkage fissure at 90mm drilling depth.
176	BR.1.13.2A1	13	Shoe N Beam	A1-Shoe+100mm	Trace shows sound timber.
177	BR.1.13.3A	13	Shoe S Beam	A - Bearing	Trace shows sound timber.
178	BR.1.13.3A1	13	Shoe S Beam	A1-Shoe+100mm	Trace shows sound timber.
179	BR.1.13.4A	13	Beam S Bearing	A - Bearing	Trace shows sound timber with possible shrinkage fissure at 120mm drilling depth.
180	BR.1.14.1A	14	Beam N Bearing	A - Bearing	Trace shows sound timber.
181	BR.1.14.2A	14	Shoe N Beam	A - Bearing	Trace shows sound timber.
182	BR.1.14.3A	14	Shoe S Beam	A - Bearing	Trace shows sound timber.
183	BR.1.14.4A	14	Beam S Bearing	A - Bearing	Trace shows sound timber.
184	BR.1.15.1A	15	Beam N Bearing	A - Bearing	Trace shows sound timber.
185	BR.1.15.2A	15	Shoe N Beam	A - Bearing	Trace shows sound timber.
186	BR.1.15.3A	15	Shoe S Beam	A - Bearing	Trace shows sound timber.
187	BR.1.15.4A	15	Beam S Bearing	A - Bearing	Trace shows sound timber.

## SUMMARY

### Roof

N Trusses - N bearings – 15 locations – 13 sound, 2 inaccessible

N Trusses – S bearing (shoe) – 15 locations – 10 sound, 1 PR decayed, 1 inaccessible, 3 decayed

S Trusses – N bearings (shoe) – 15 locations – 1 inaccessible, 6 sound, 5 decayed, 3 PR Decayed

S Trusses - S bearings – 15 locations – 1 inaccessible, 14 sound.

Purlins bearing in W wall – 6 sound, 2 inaccessible

Hip tie bearings – 4 locations – 2 sound, 2 inaccessible

Valley beams full replacement – 6 (12 bearings)

Valley beam shoe connections – 30 locations – 16 decayed, 3 inaccessible, 11 sound

Valley beam wall connections – 2 locations - 1 decayed, 1 inaccessible

Valley beam top third has decayed where in contact with metal gutter box. This does not impact the bearing of the valley beam, but will be problematic in attaching the future gutter, and maintaining the desired level of the valley. A decision may need to be made to replace all the valley beams.

There are various areas of the roof or glass panels which are broken and allowing active water ingress. This is resulting in damage to the first-floor structure including joists and floorboards.

Some of the central columns have internal downpipes which has resulted in deterioration to connections on the column shoes.

### First Floor

Various locations have been marked where floorboards are unstable and joists have decayed.

1 floor beam needs full replacement (over half of the beam has decayed)

N bearings – 15 locations – 14 sound , 1 decayed

Shoe N beam – 15 locations – 4 decayed, 11 sound

Shoe S beam – 15 locations – 5 decayed, 10 sound

S bearing – 15 locations – 15 sound.

## Damp

- Active water ingress and standing water throughout ground floor.
- Valley in poor condition
- N & S wall are relatively dry as shown by the condition of the timber bearing into it
- E wall appears to be the dampest, with W indicating signs of damp as well.
- Any future plans for the building should take into consideration that the walls and floors are damp and will remain so for some time, probably never fully drying.

James Lyon, Tim Floyd – April 2025

## MICRO DRILL

The micro drill drills a 2mm diameter needle into the timber, measuring both the torque generated by the drill motor to turn the drill bit – known as ‘drill’ (dark green shaded curve on the graph) and-more importantly- the resistance being experienced by the motor responsible for sliding the whole mechanism forward at a pre-set rate – known as ‘feed’ (light green shaded curve).

The torque generated in the drill and the resistance experienced by the feed mechanism are generally correlative. However wet timber - or the existence of other materials such as resin which may have been used in past repair - can affect the drill to a greater or lesser extent than the feed.

Peaks in the graphs represent torque/resistance being experienced by the drill/feed. The Y axis is magnitude of resistance/torque, with 100(%) representing that value where the motor can no longer move the feed mechanism at its pre-set feed speed (which would require a reduction in the feed speed).

The machine has 5 pre-set feed speeds that can be used – dependent on the nature of the timber. For example, dense medieval oak generally requires a low feed speed of 25 - 100cm/min, softwood requires 100 – 150cm/min. The faster feed speeds of 175 and 250cm/min are more applicable to living trees (another application for this equipment). Adhering to these criteria means that any reading over around 30% amplitude (on the Y-axis) represents dense and sound timber – especially when lower feed speeds are used.

Information regarding the individual drilling points is presented on the graphs in the status panel (top left) which shows details such as feed speed and orientation of the drill – shown as ‘Tilt’ and measured in degrees from horizontal (a drilling straight down from above would be indicated by  $-90^\circ$ , straight up would be indicated by  $+90^\circ$ , straight in horizontally would show as a tilt of  $0^\circ$ ).

Those graphs – generally the first 1 or 2, described in the comments as ‘calibration’ are important, as they represent a trace through timber known to be sound – and as such form a baseline for interpretation of subsequent graphs.

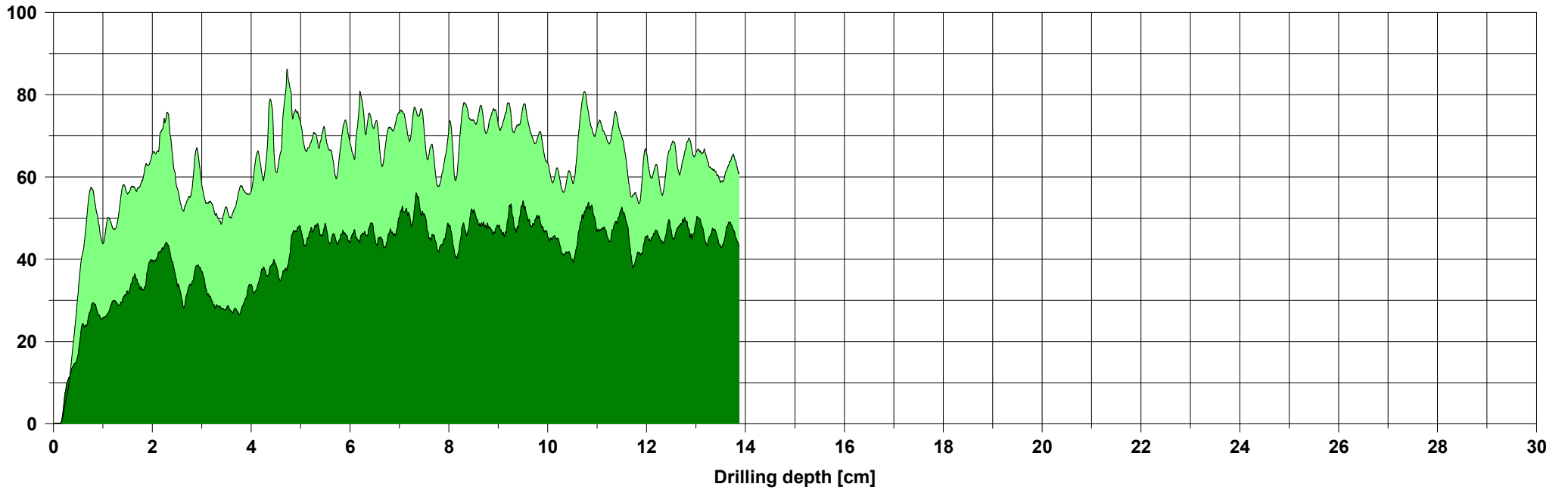
Close centred peaks and troughs in the graph represent the early wood late wood boundaries (growth rings) – with early rapid spring growth resulting in softer material, producing a trough, and the later summer growth being slower, producing a narrower and denser growth phase marked by a peak in the graph.

The most important feature of the graph is the coherence of the profile rather than the amplitude (which can be manipulated by adjusting the feed or drill inputs). Even and regular fluctuations would generally denote ‘healthy’ fibres, as opposed to uneven and ‘broken teeth’ like profiles which could be indicative of decay.

### Measuring / object data

Measurement no.:	1	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.1.1A	Needle state:	---	Level	:
Drilling depth	: 13,87 cm	Tilt	: +66°	Direction:	
Date	: 01.04.2025	Offset	: 139 / 276	Species	:
Time	: 10:11:28	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



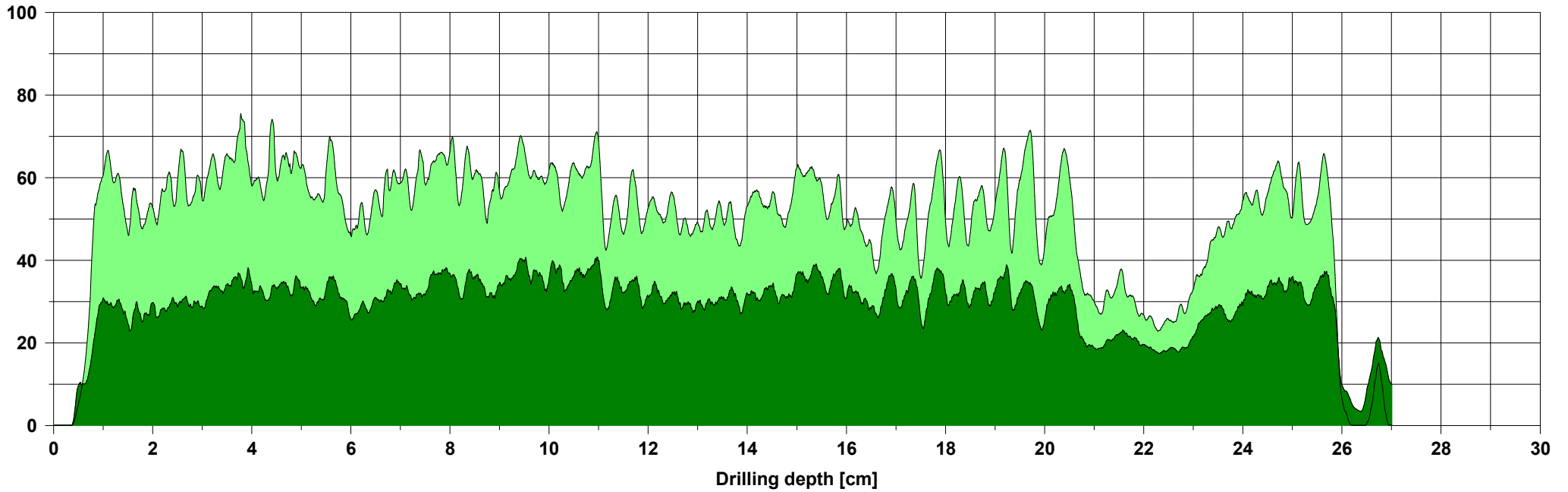
### Assessment

### Comment

### Measuring / object data

Measurement no.:	2	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.1.6A	Needle state:	---	Level	:
Drilling depth	: 27,01 cm	Tilt	: +46°	Direction:	
Date	: 01.04.2025	Offset	: 138 / 281	Species	:
Time	: 09:56:06	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



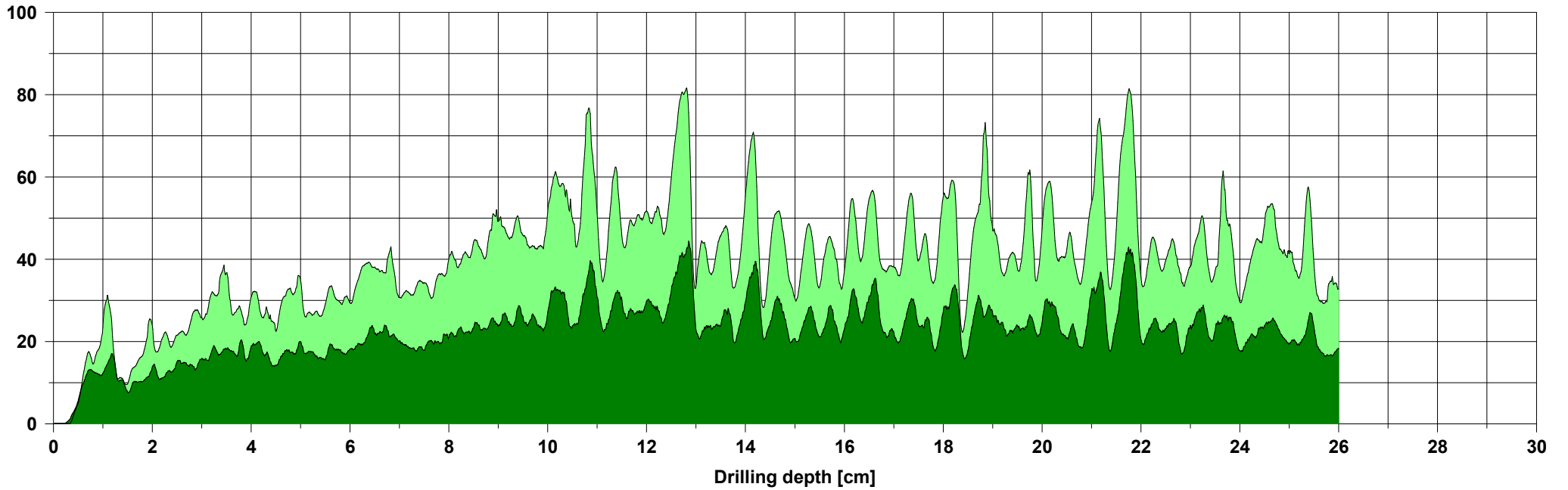
### Assessment

### Comment

### Measuring / object data

Measurement no.:	3	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.2.1A	Needle state:	---	Level	:
Drilling depth	: 26,00 cm	Tilt	: +44°	Direction:	
Date	: 01.04.2025	Offset	: 124 / 273	Species	:
Time	: 10:14:01	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



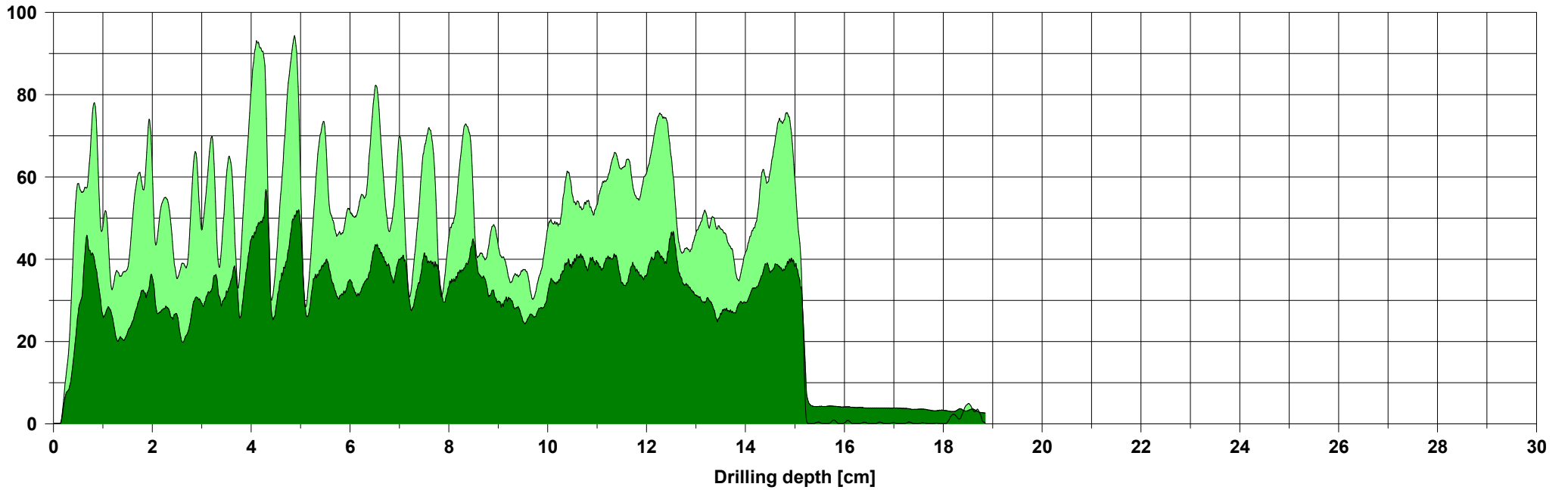
Assessment

Comment

### Measuring / object data

Measurement no.:	4	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.2.2A	Needle state:	---	Level	:
Drilling depth	: 18,85 cm	Tilt	: +2°	Direction:	
Date	: 01.04.2025	Offset	: 110 / 265	Species	:
Time	: 10:18:19	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



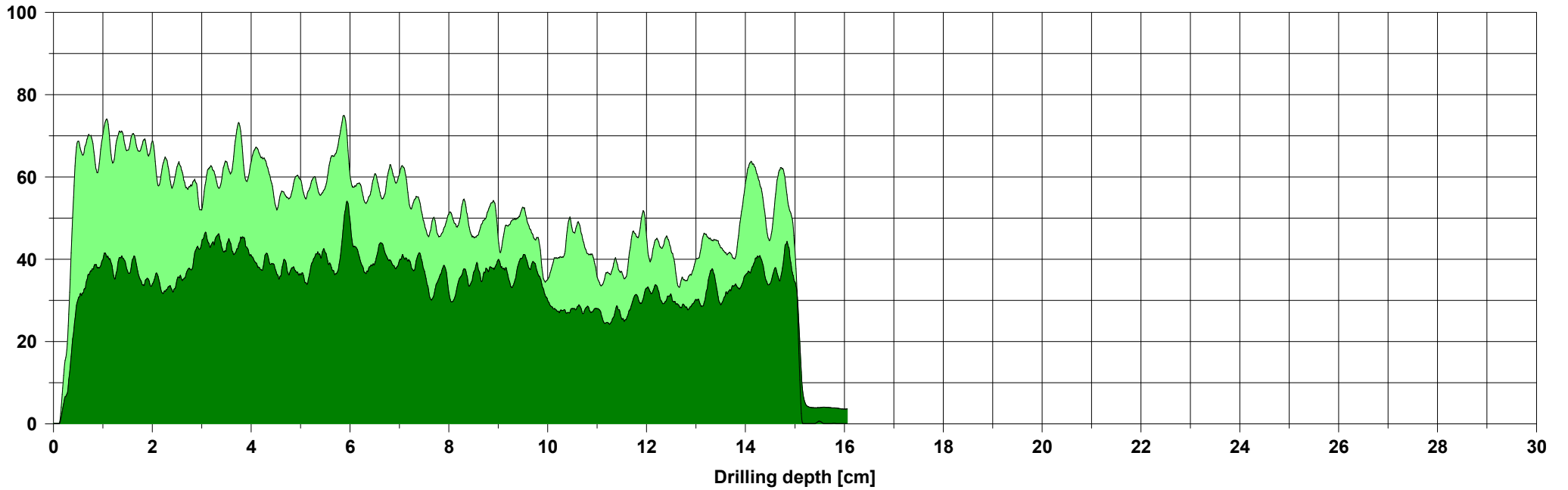
### Assessment

### Comment

### Measuring / object data

Measurement no.:	5	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.2.5A	Needle state:	---	Level	:
Drilling depth	: 16,06 cm	Tilt	: +3°	Direction:	
Date	: 01.04.2025	Offset	: 113 / 264	Species	:
Time	: 10:22:28	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



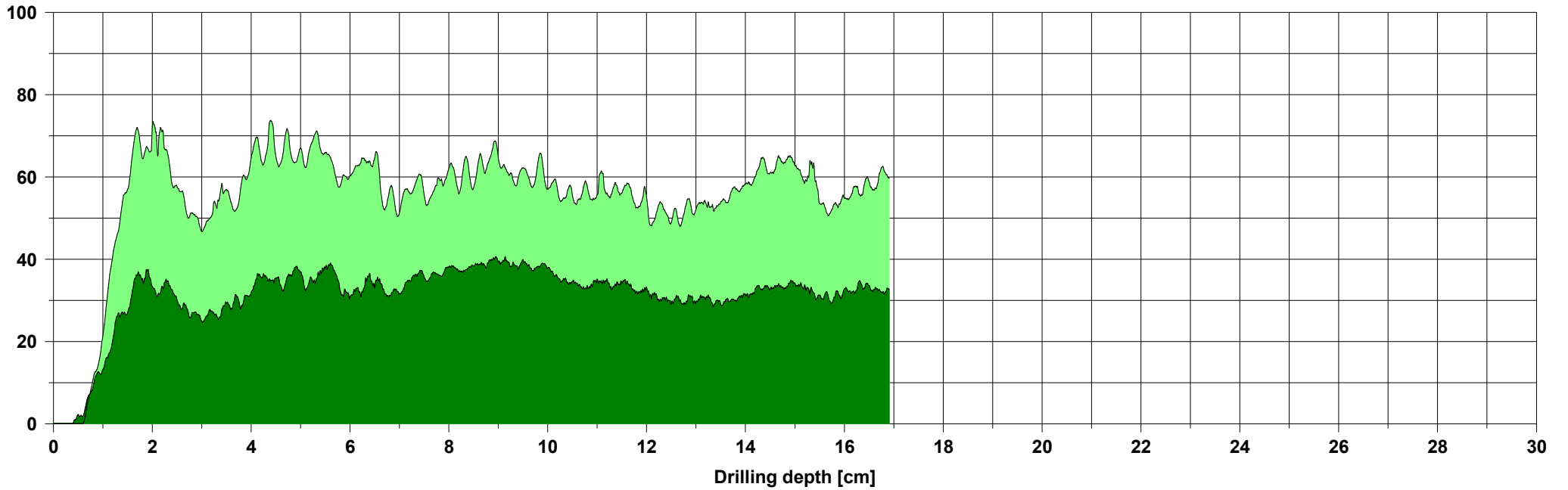
### Assessment

### Comment

### Measuring / object data

Measurement no.:	6	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.2.6A	Needle state:	---	Level	:
Drilling depth	: 16,91 cm	Tilt	: +44°	Direction:	
Date	: 01.04.2025	Offset	: 119 / 266	Species	:
Time	: 10:24:11	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



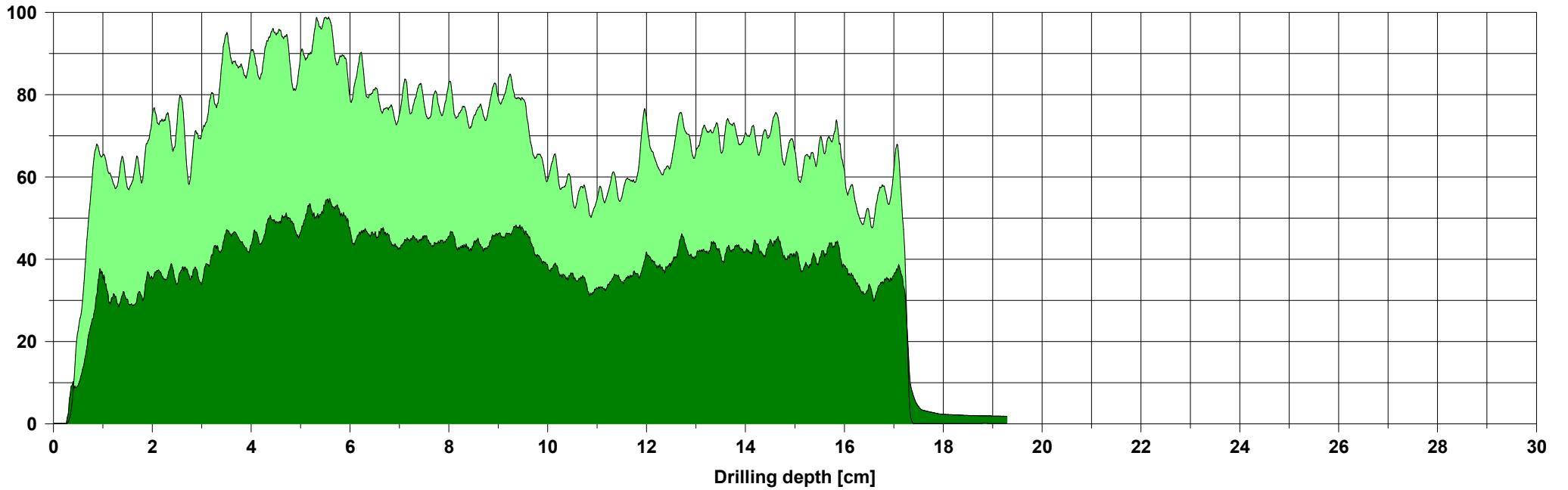
Assessment

Comment

### Measuring / object data

Measurement no.:	7	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.3.1A	Needle state:	---	Level	:
Drilling depth	: 19,29 cm	Tilt	: +48°	Direction:	
Date	: 01.04.2025	Offset	: 113 / 264	Species	:
Time	: 10:44:33	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



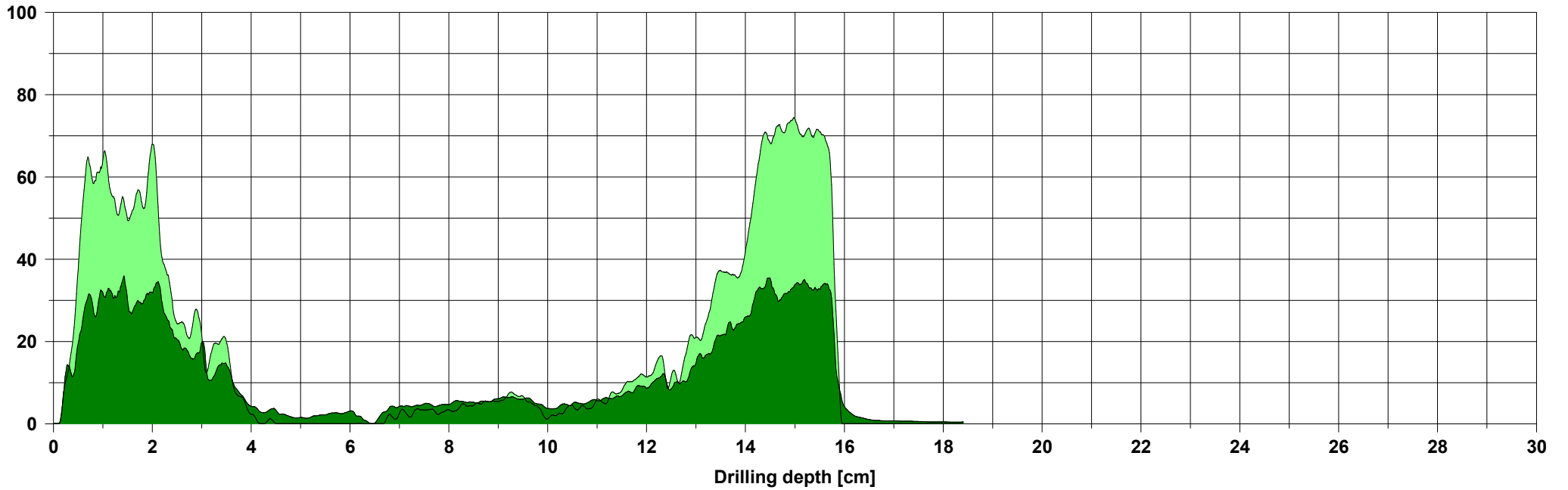
### Assessment

### Comment

### Measuring / object data

Measurement no.:	8	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.3.2A	Needle state:	---	Level	:
Drilling depth	: 18,41 cm	Tilt	: 0°	Direction:	
Date	: 01.04.2025	Offset	: 100 / 258	Species	:
Time	: 10:40:33	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



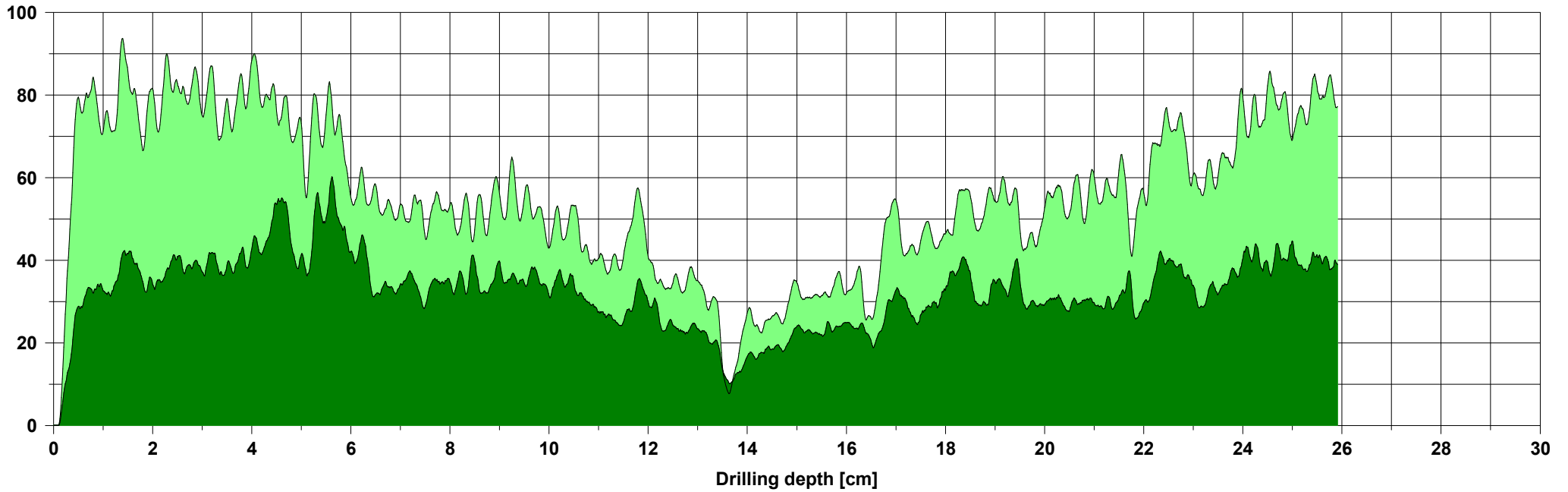
### Assessment

### Comment

### Measuring / object data

Measurement no.:	9	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.3.2A10	Needle state:	---	Level	:
Drilling depth	: 25,91 cm	Tilt	: +90°	Direction:	
Date	: 01.04.2025	Offset	: 123 / 263	Species	:
Time	: 10:42:09	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



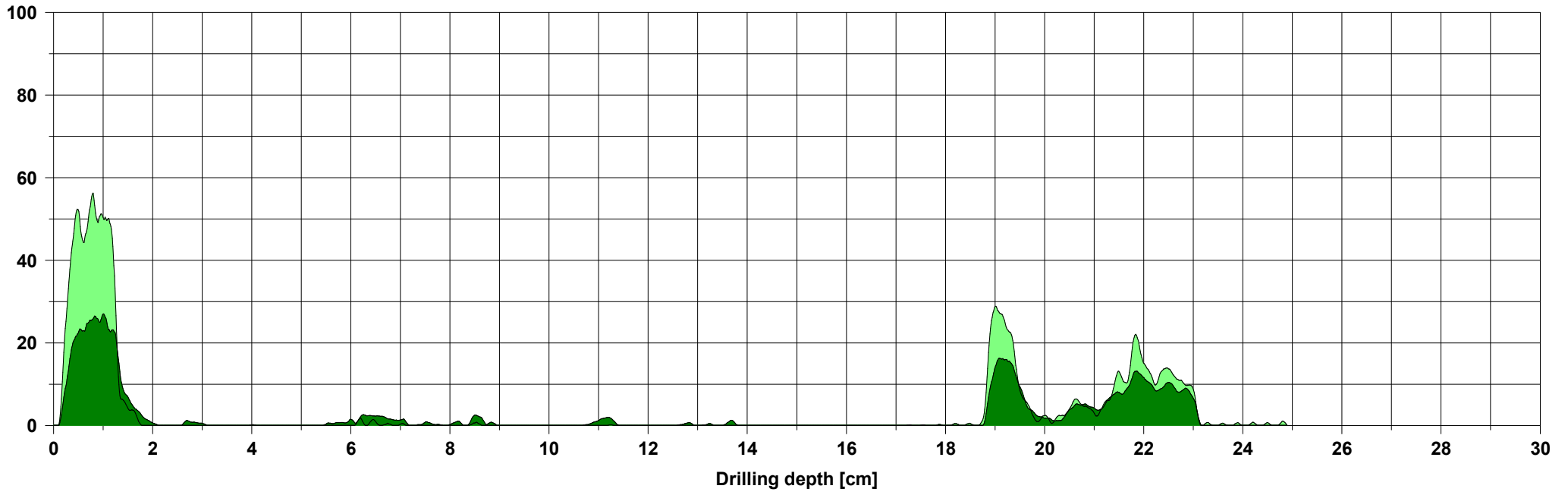
### Assessment

### Comment

### Measuring / object data

Measurement no.:	10	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.3.4A10	Needle state:	---	Level	:
Drilling depth	: 24,89 cm	Tilt	: +90°	Direction:	
Date	: 01.04.2025	Offset	: 124 / 257	Species	:
Time	: 10:35:40	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



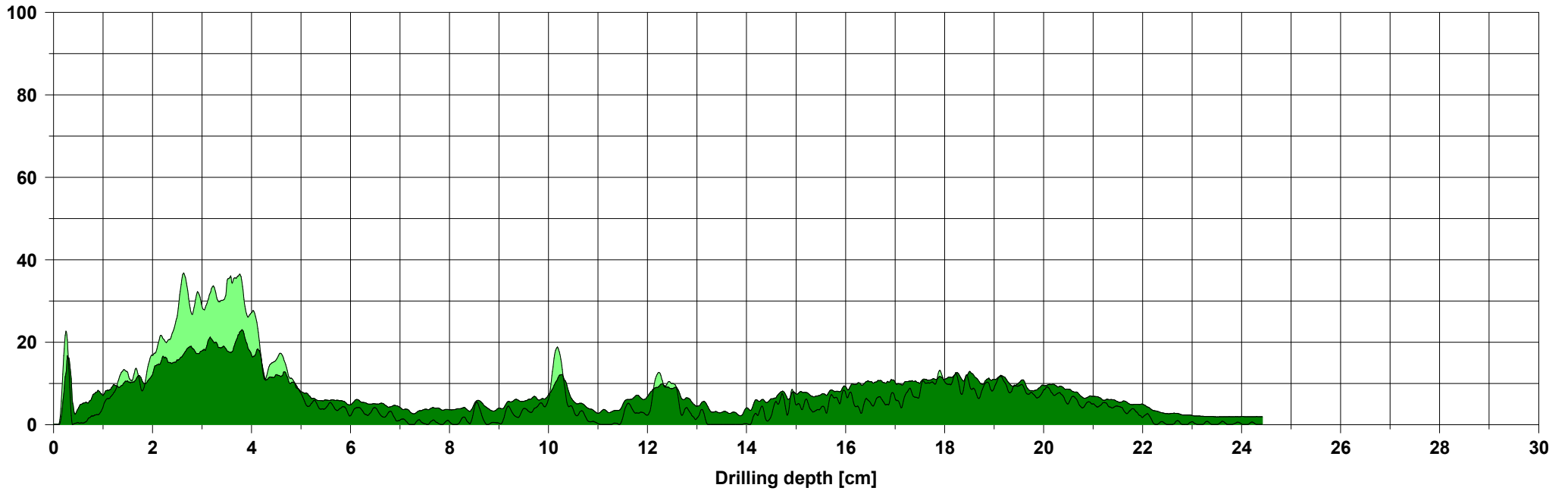
### Assessment

### Comment

### Measuring / object data

Measurement no.:	11	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.3.4A20	Needle state:	---	Level	:
Drilling depth	: 24,42 cm	Tilt	: +90°	Direction:	
Date	: 01.04.2025	Offset	: 123 / 259	Species	:
Time	: 10:37:44	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



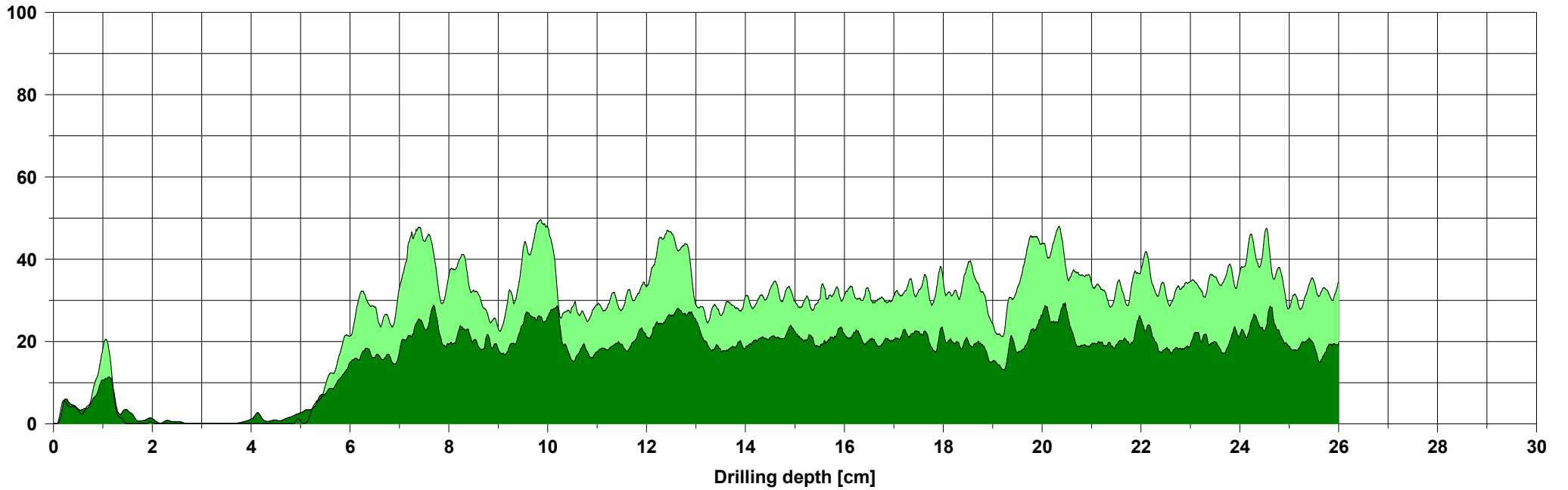
Assessment

Comment

### Measuring / object data

Measurement no.:	12	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.3.5A3	Needle state:	---	Level	:
Drilling depth	: 26,00 cm	Tilt	: +90°	Direction:	
Date	: 01.04.2025	Offset	: 128 / 261	Species	:
Time	: 10:29:49	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



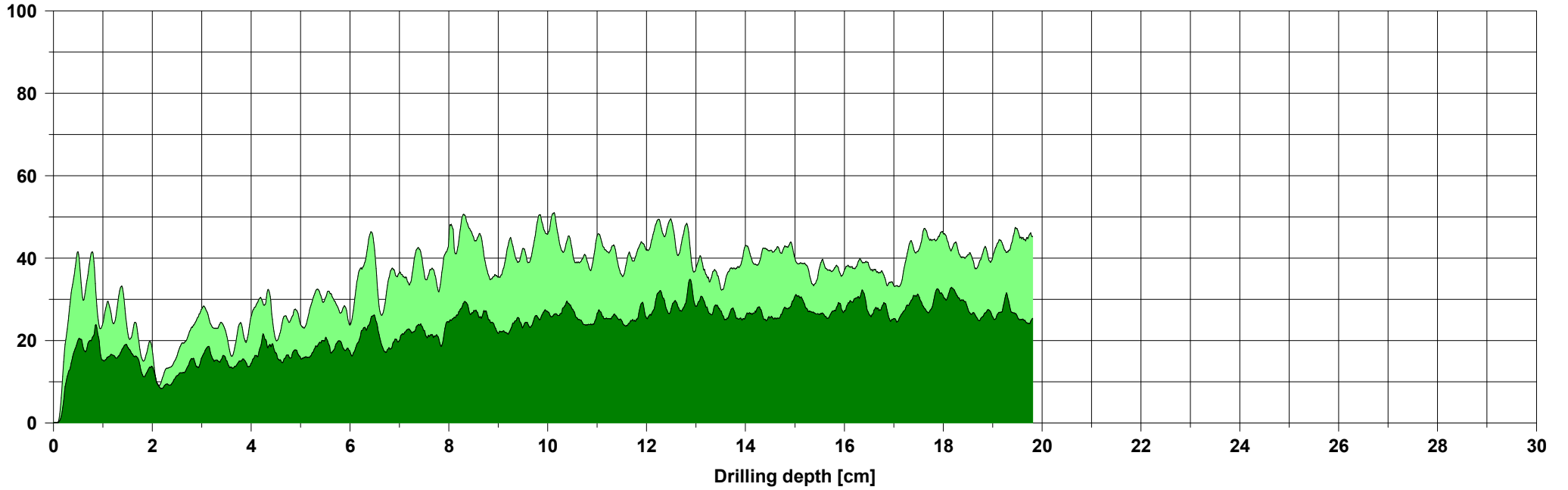
### Assessment

### Comment

### Measuring / object data

Measurement no.:	13	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.3.5A6	Needle state:	---	Level	:
Drilling depth	: 19,81 cm	Tilt	: +78°	Direction:	
Date	: 01.04.2025	Offset	: 126 / 259	Species	:
Time	: 10:31:33	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



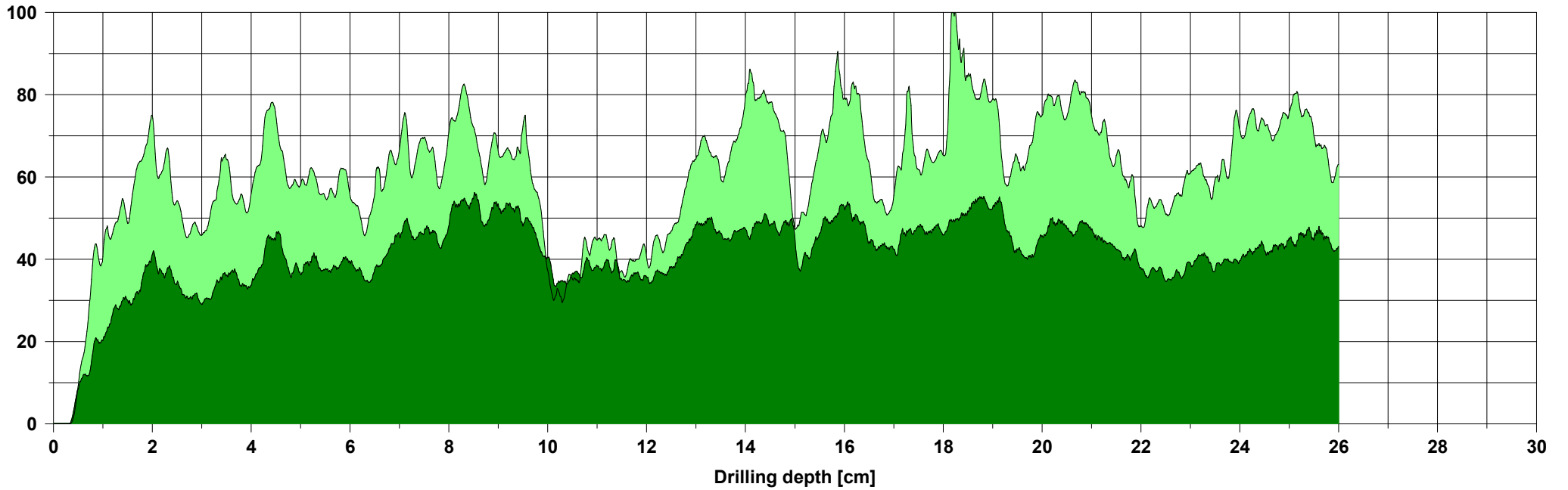
### Assessment

### Comment

### Measuring / object data

Measurement no.:	14	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.3.6A	Needle state:	---	Level	:
Drilling depth	: 26,00 cm	Tilt	: +46°	Direction:	
Date	: 01.04.2025	Offset	: 123 / 268	Species	:
Time	: 10:26:08	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



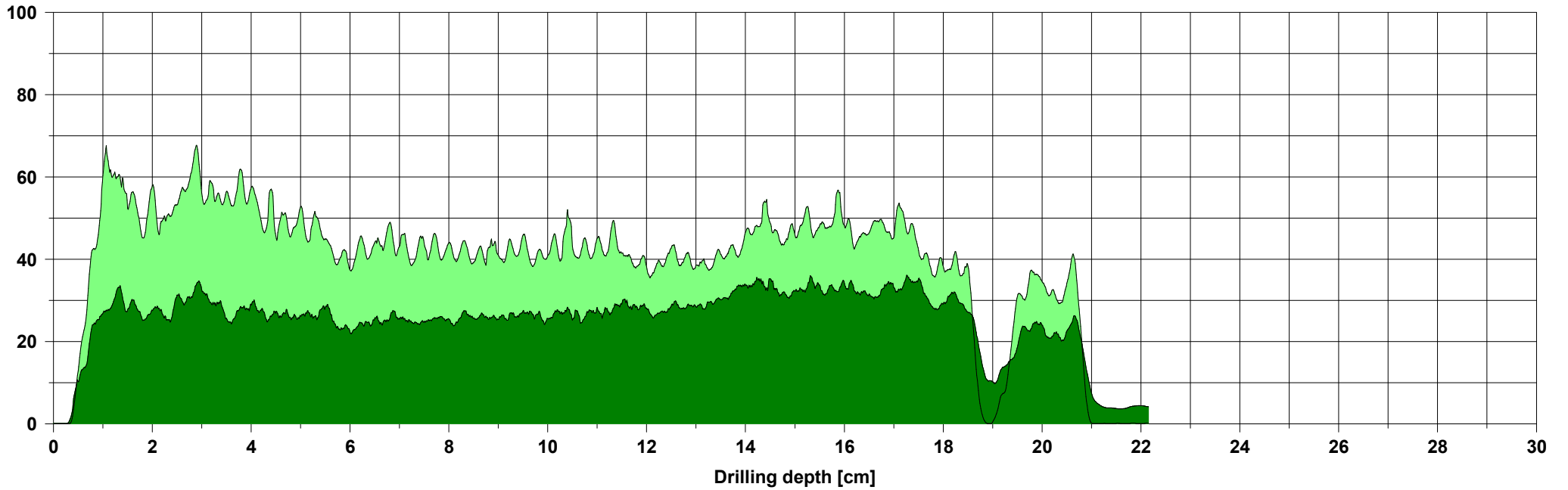
Assessment

Comment

### Measuring / object data

Measurement no.:	15	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.4.1A	Needle state:	---	Level	:
Drilling depth	: 22,15 cm	Tilt	: +49°	Direction:	
Date	: 01.04.2025	Offset	: 114 / 262	Species	:
Time	: 10:46:31	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



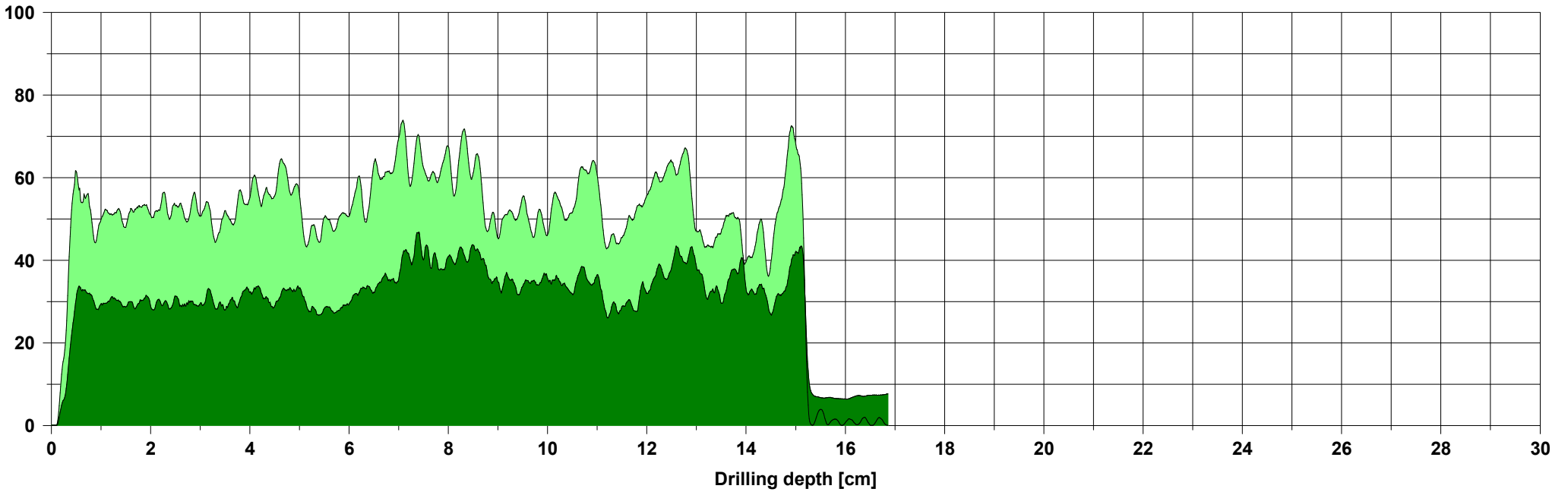
### Assessment

### Comment

### Measuring / object data

Measurement no.:	16	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.4.2A	Needle state:	---	Level	:
Drilling depth	: 16,86 cm	Tilt	: +5°	Direction:	
Date	: 01.04.2025	Offset	: 100 / 258	Species	:
Time	: 10:49:21	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



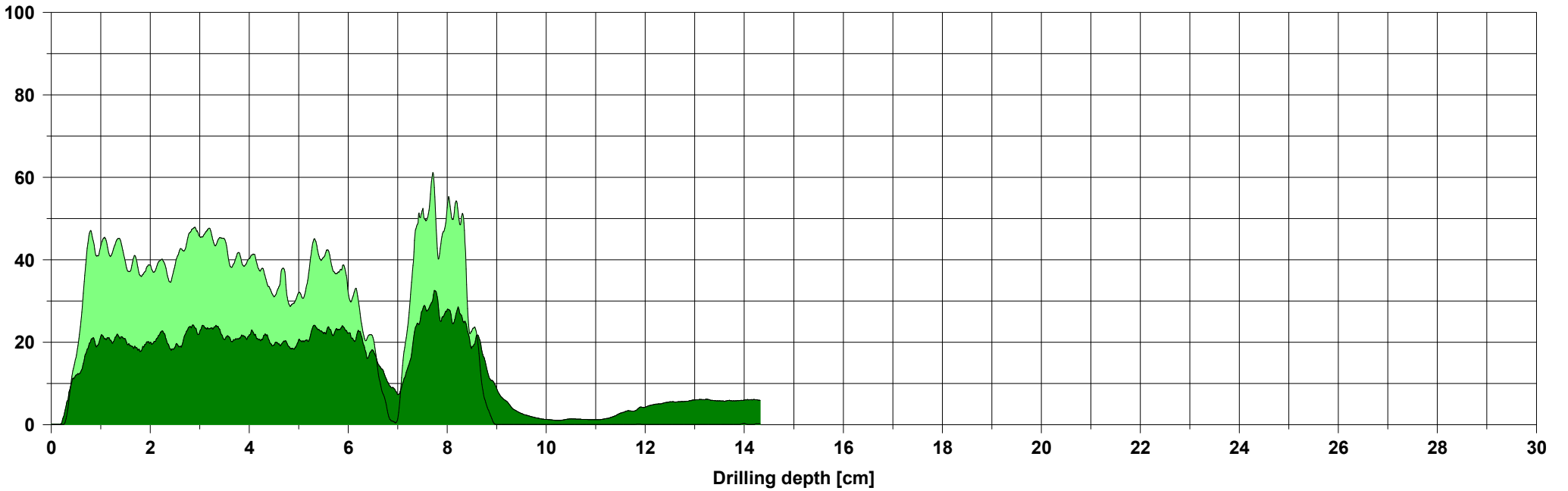
### Assessment

### Comment

### Measuring / object data

Measurement no.:	17	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.4.4A	Needle state:	---	Level	:
Drilling depth	: 14,32 cm	Tilt	: +50°	Direction:	
Date	: 01.04.2025	Offset	: 118 / 263	Species	:
Time	: 10:55:32	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



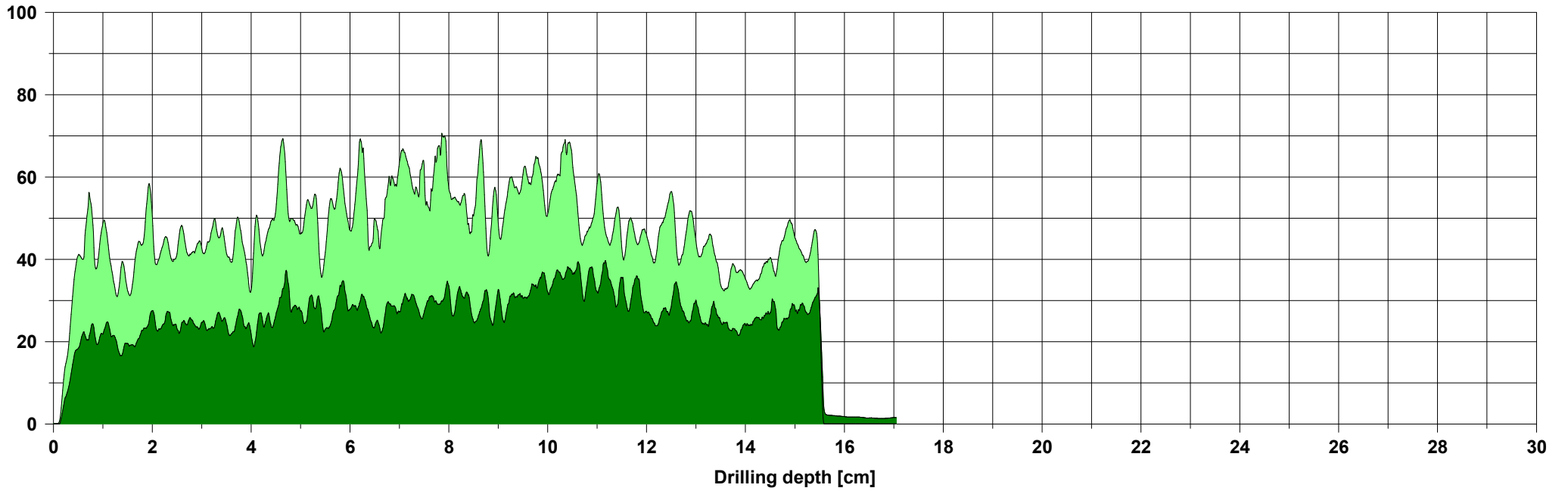
### Assessment

### Comment

### Measuring / object data

Measurement no.:	18	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.4.5A	Needle state:	---	Level	:
Drilling depth	: 17,05 cm	Tilt	: +3°	Direction:	
Date	: 01.04.2025	Offset	: 106 / 258	Species	:
Time	: 10:52:06	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



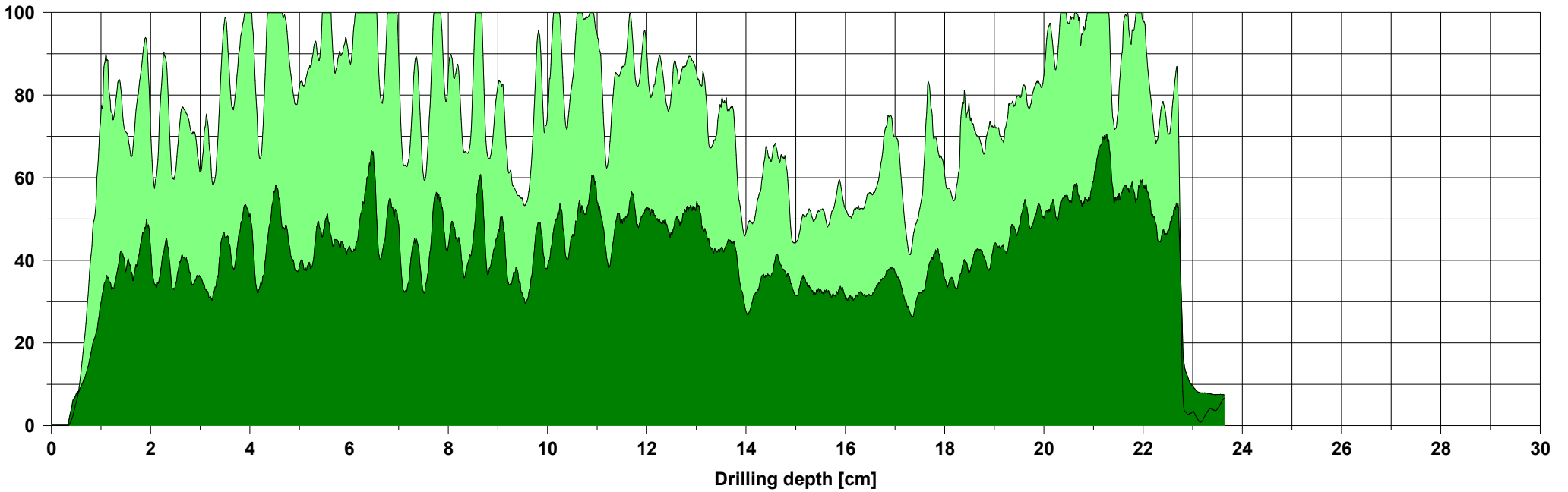
### Assessment

### Comment

### Measuring / object data

Measurement no.:	19	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.4.6A	Needle state:	---	Level	:
Drilling depth	: 23,63 cm	Tilt	: +45°	Direction:	
Date	: 01.04.2025	Offset	: 113 / 259	Species	:
Time	: 10:59:50	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



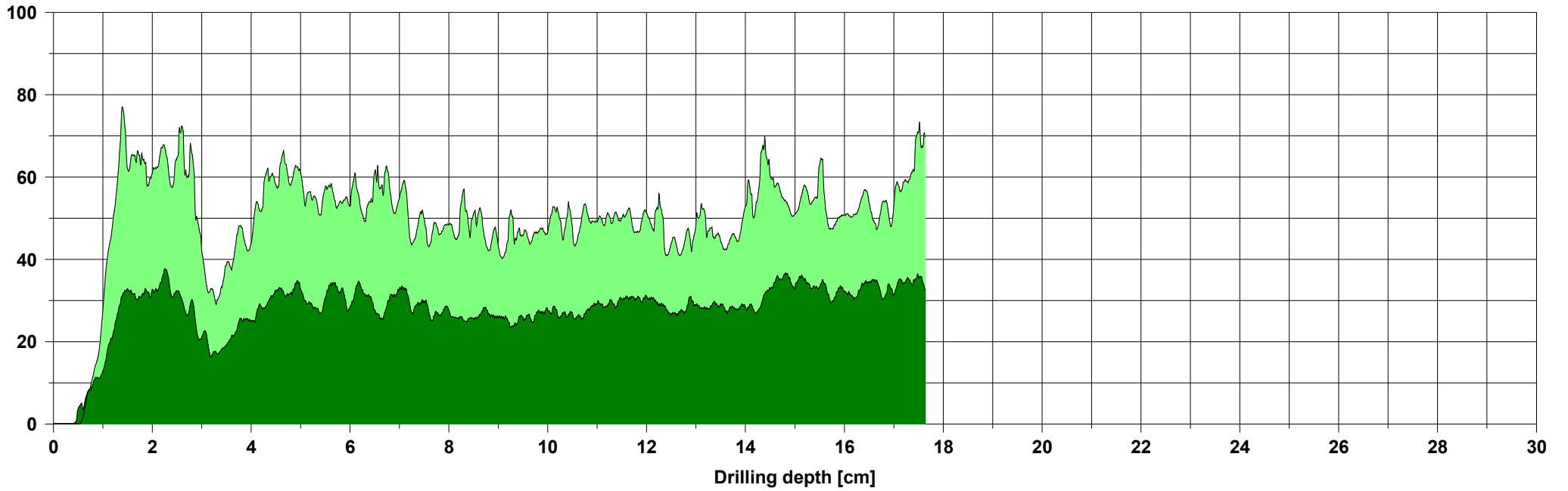
Assessment

Comment

### Measuring / object data

Measurement no.:	20	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.5.1A	Needle state:	---	Level	:
Drilling depth	: 17,64 cm	Tilt	: +46°	Direction:	
Date	: 01.04.2025	Offset	: 114 / 256	Species	:
Time	: 11:22:11	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



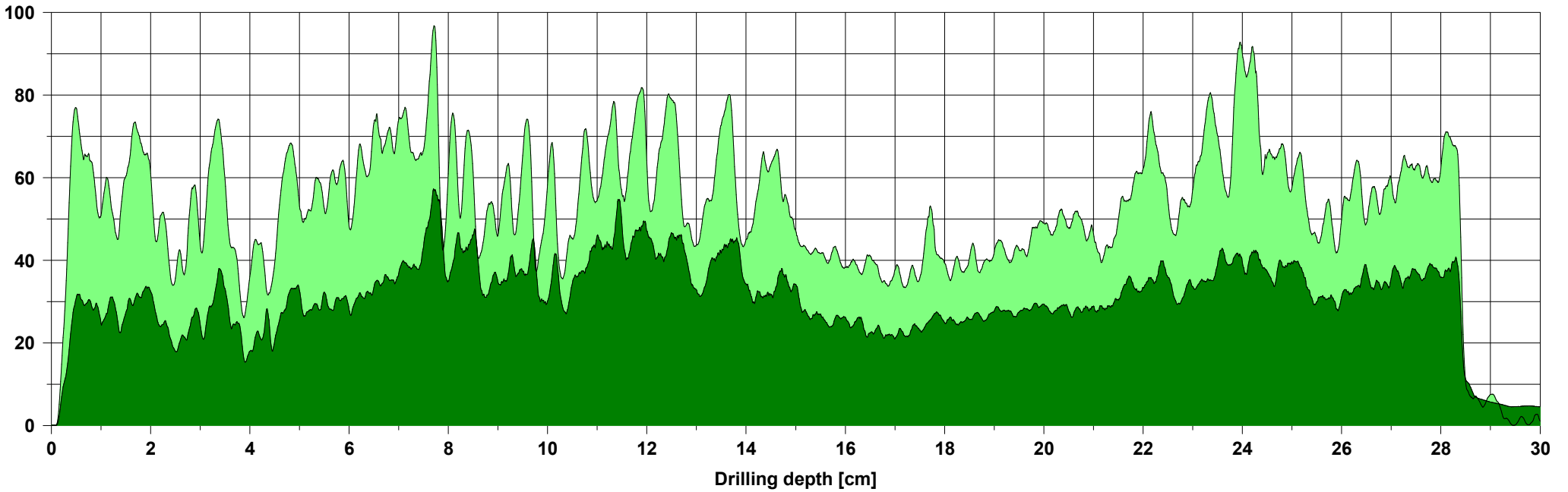
### Assessment

### Comment

### Measuring / object data

Measurement no.:	21	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.5.2A3	Needle state:	---	Level	:
Drilling depth	: 30,60 cm	Tilt	: +90°	Direction:	
Date	: 01.04.2025	Offset	: 115 / 255	Species	:
Time	: 11:15:22	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



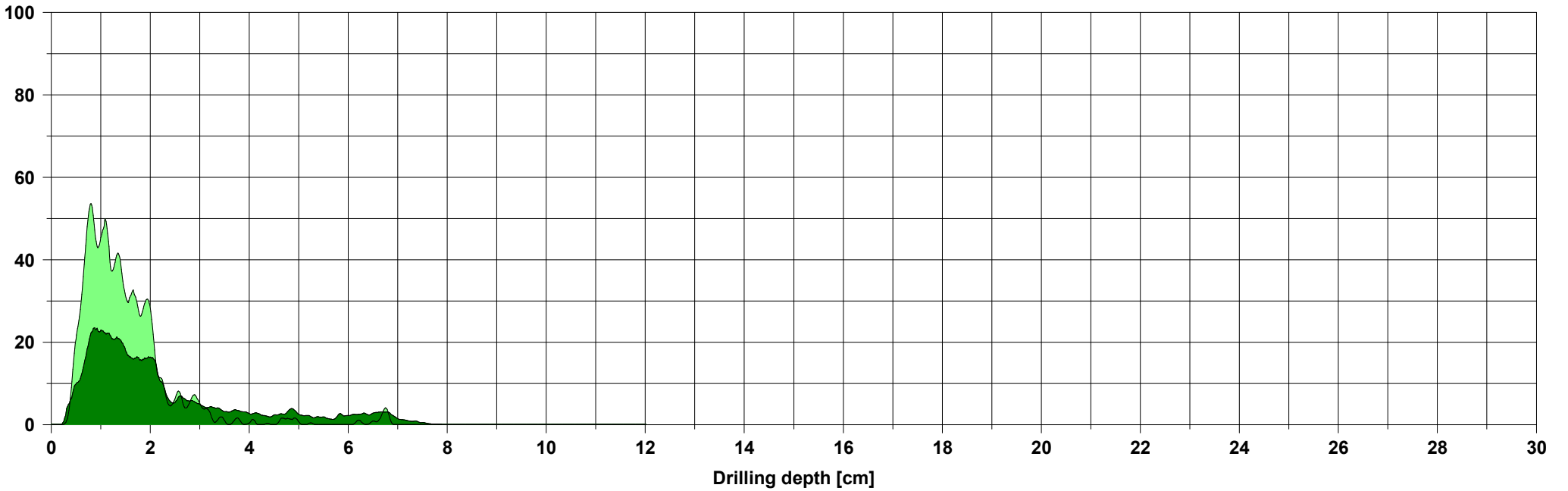
### Assessment

### Comment

### Measuring / object data

Measurement no.:	22	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.5.3A	Needle state:	---	Level	:
Drilling depth	: 12,02 cm	Tilt	: +49°	Direction:	
Date	: 01.04.2025	Offset	: 111 / 254	Species	:
Time	: 11:18:41	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



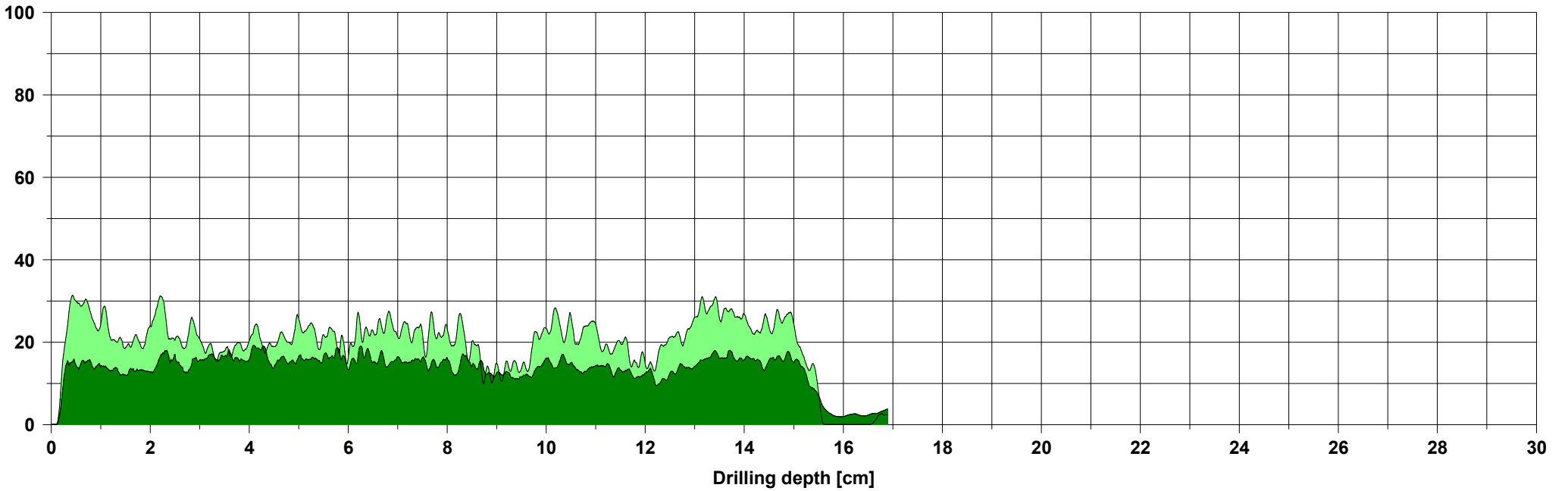
### Assessment

### Comment

### Measuring / object data

Measurement no.:	23	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.5.3A2	Needle state:	---	Level	:
Drilling depth	: 16,90 cm	Tilt	: +90°	Direction:	
Date	: 01.04.2025	Offset	: 119 / 255	Species	:
Time	: 11:19:30	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



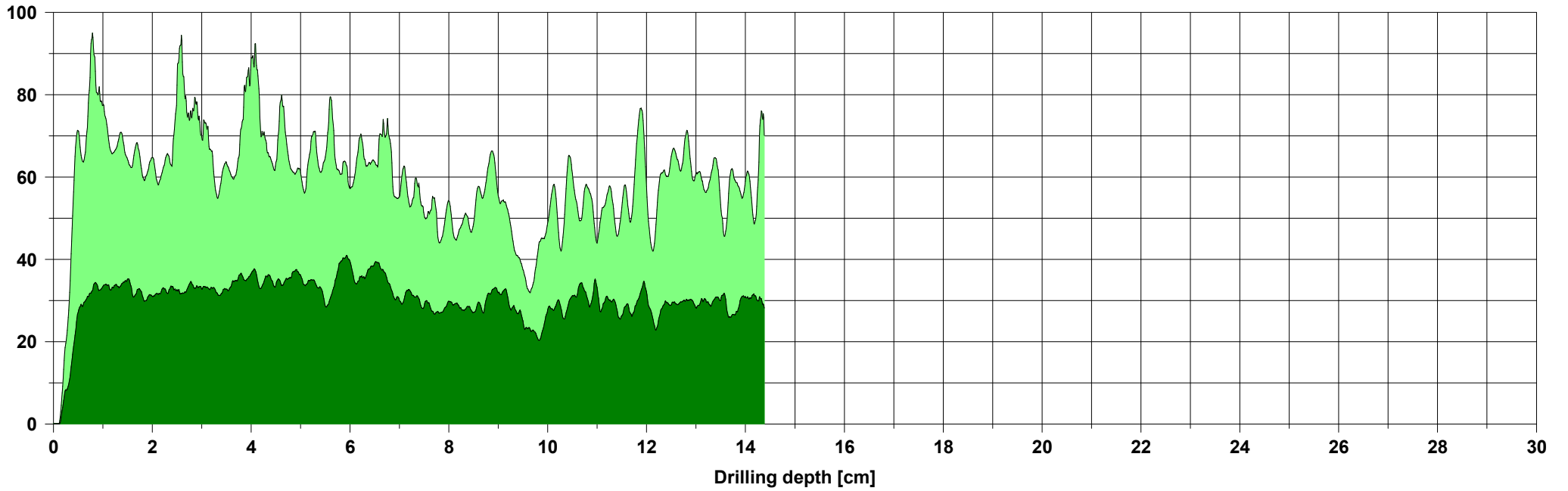
### Assessment

### Comment

### Measuring / object data

Measurement no.:	24	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.5.5A	Needle state:	---	Level	:
Drilling depth	: 14,38 cm	Tilt	: +1°	Direction:	
Date	: 01.04.2025	Offset	: 103 / 258	Species	:
Time	: 11:06:05	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



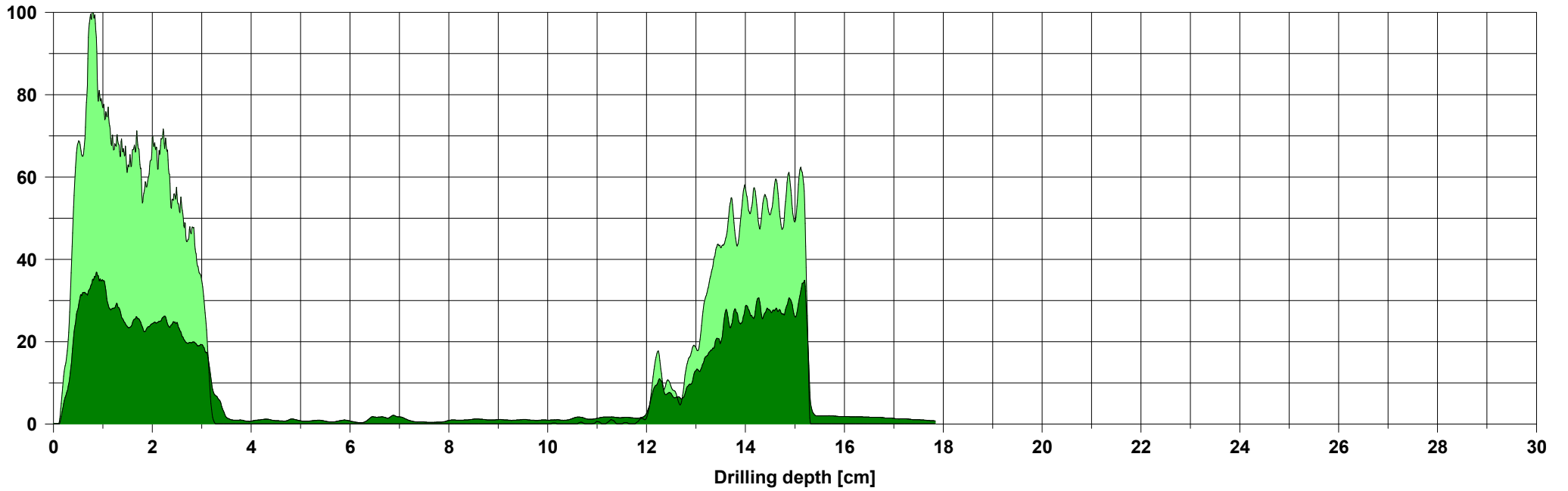
### Assessment

### Comment

### Measuring / object data

Measurement no.:	25	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.5.5B	Needle state:	---	Level	:
Drilling depth	: 17,84 cm	Tilt	: +1°	Direction:	
Date	: 01.04.2025	Offset	: 99 / 261	Species	:
Time	: 11:07:14	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



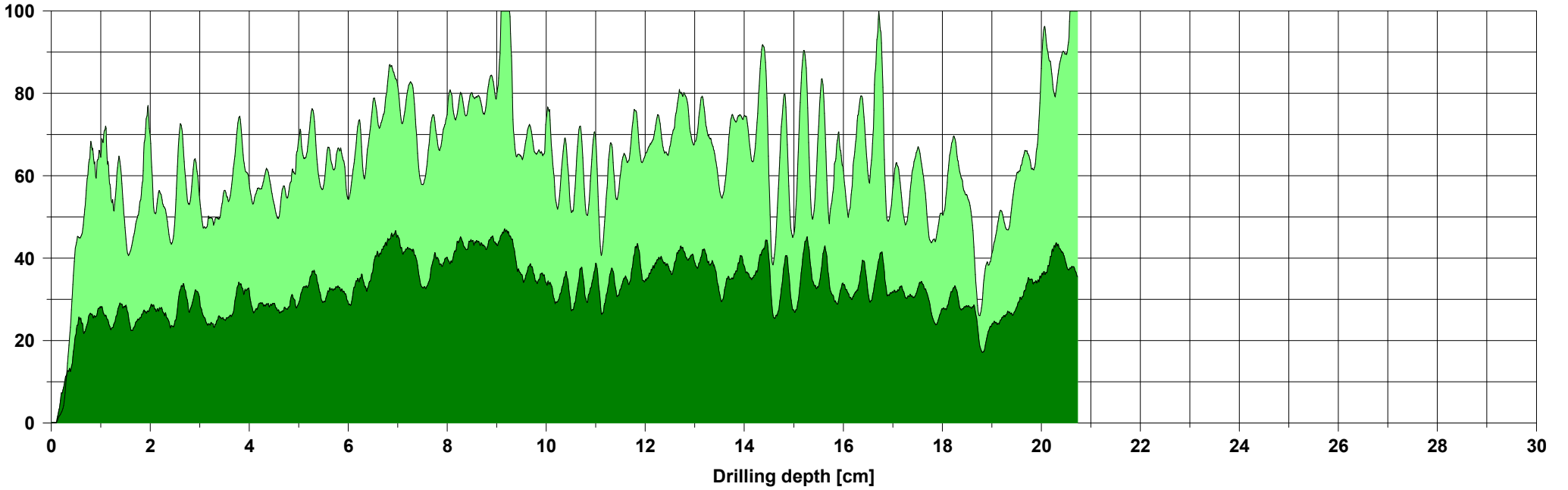
### Assessment

### Comment

### Measuring / object data

Measurement no.:	26	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.5.5A0	Needle state:	---	Level	:
Drilling depth	: 20,73 cm	Tilt	: +53°	Direction:	
Date	: 01.04.2025	Offset	: 114 / 261	Species	:
Time	: 11:10:08	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



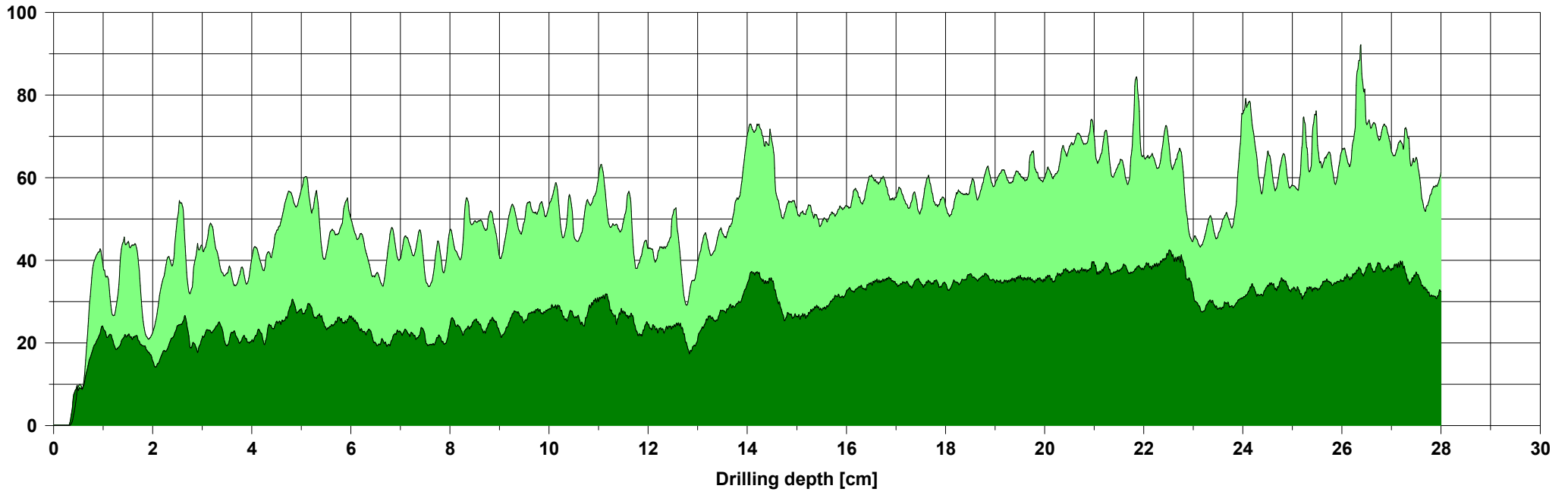
### Assessment

### Comment

### Measuring / object data

Measurement no.:	27	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.5.6A	Needle state:	---	Level	:
Drilling depth	: 28,00 cm	Tilt	: +46°	Direction:	
Date	: 01.04.2025	Offset	: 110 / 260	Species	:
Time	: 11:01:59	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



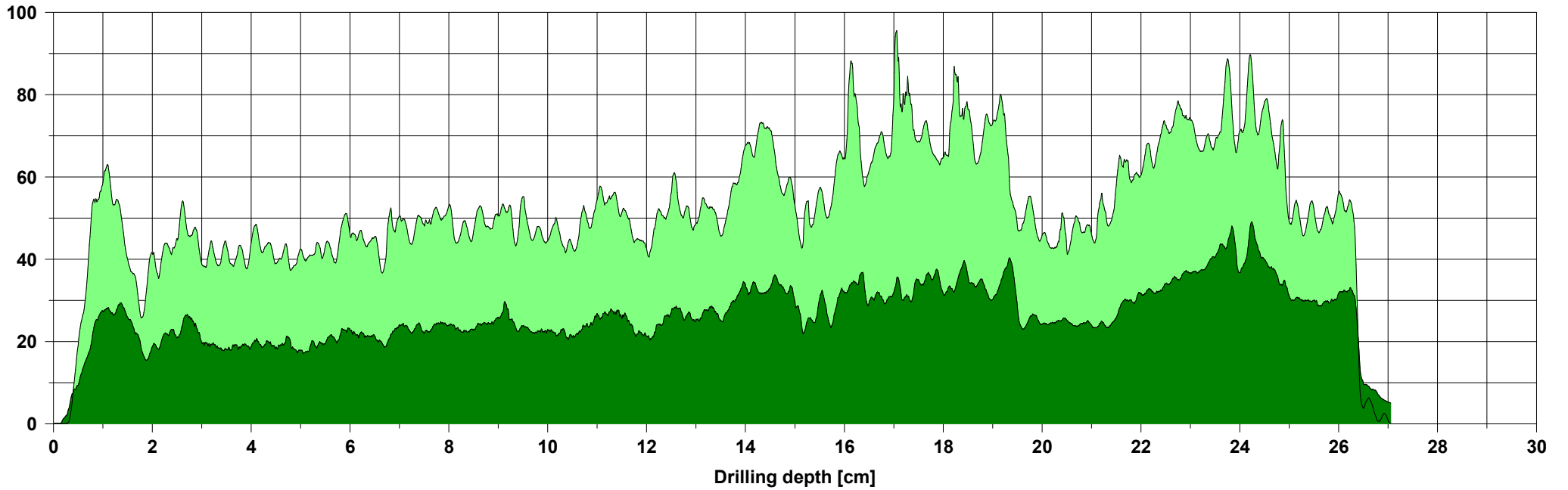
Assessment

Comment

### Measuring / object data

Measurement no.:	28	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.6.1A	Needle state:	---	Level	:
Drilling depth	: 27,05 cm	Tilt	: +47°	Direction:	
Date	: 01.04.2025	Offset	: 111 / 259	Species	:
Time	: 11:24:10	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



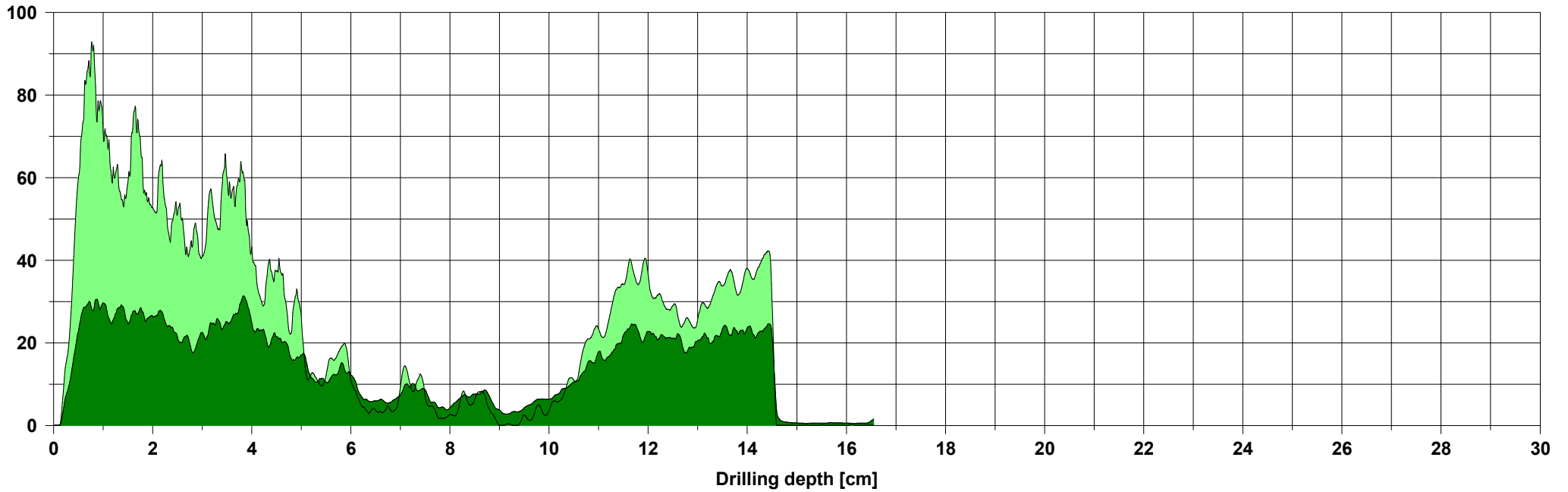
### Assessment

### Comment

### Measuring / object data

Measurement no.:	29	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.6.2A	Needle state:	---	Level	:
Drilling depth	: 16,55 cm	Tilt	: +1°	Direction:	
Date	: 01.04.2025	Offset	: 104 / 253	Species	:
Time	: 11:27:32	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



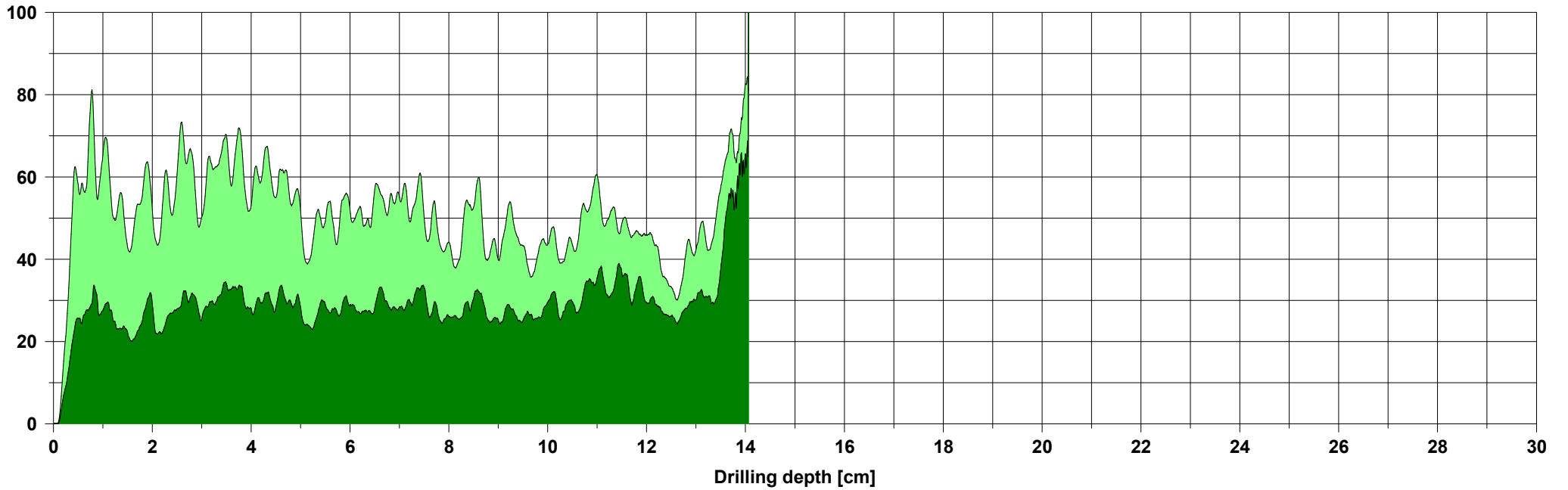
### Assessment

### Comment

### Measuring / object data

Measurement no.:	30	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.6.2A1	Needle state:	---	Level	:
Drilling depth	: 14,06 cm	Tilt	: +90°	Direction:	
Date	: 01.04.2025	Offset	: 120 / 251	Species	:
Time	: 11:30:27	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



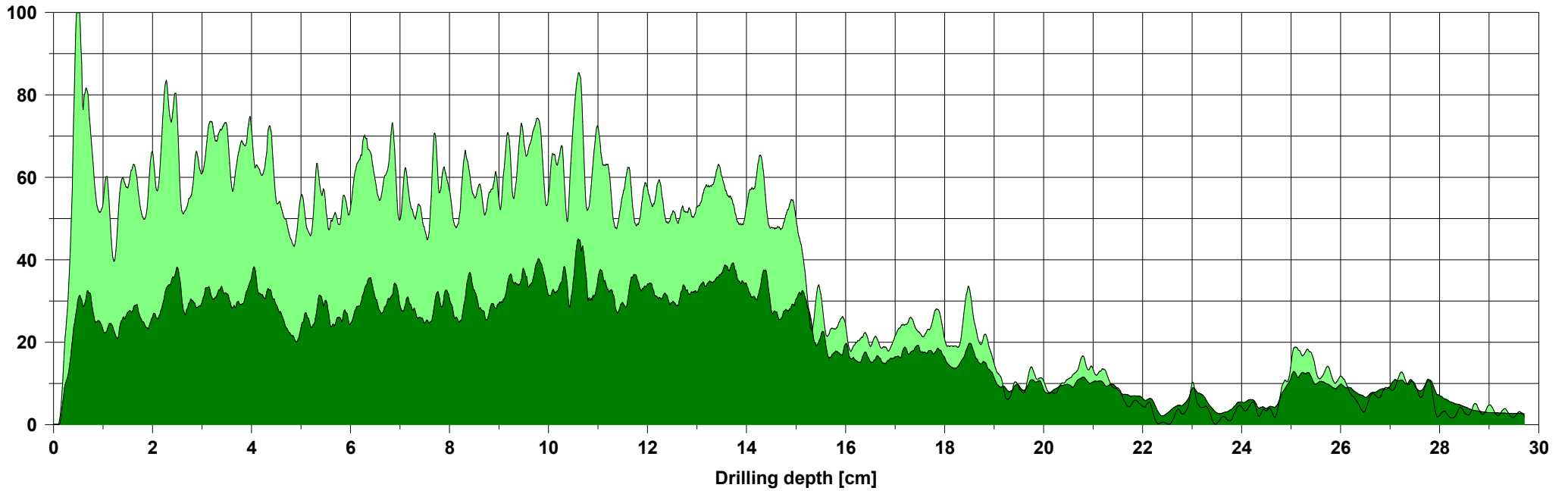
### Assessment

### Comment

### Measuring / object data

Measurement no.:	31	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.6.2A2	Needle state:	---	Level	:
Drilling depth	: 29,71 cm	Tilt	: +90°	Direction:	
Date	: 01.04.2025	Offset	: 117 / 256	Species	:
Time	: 11:31:25	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



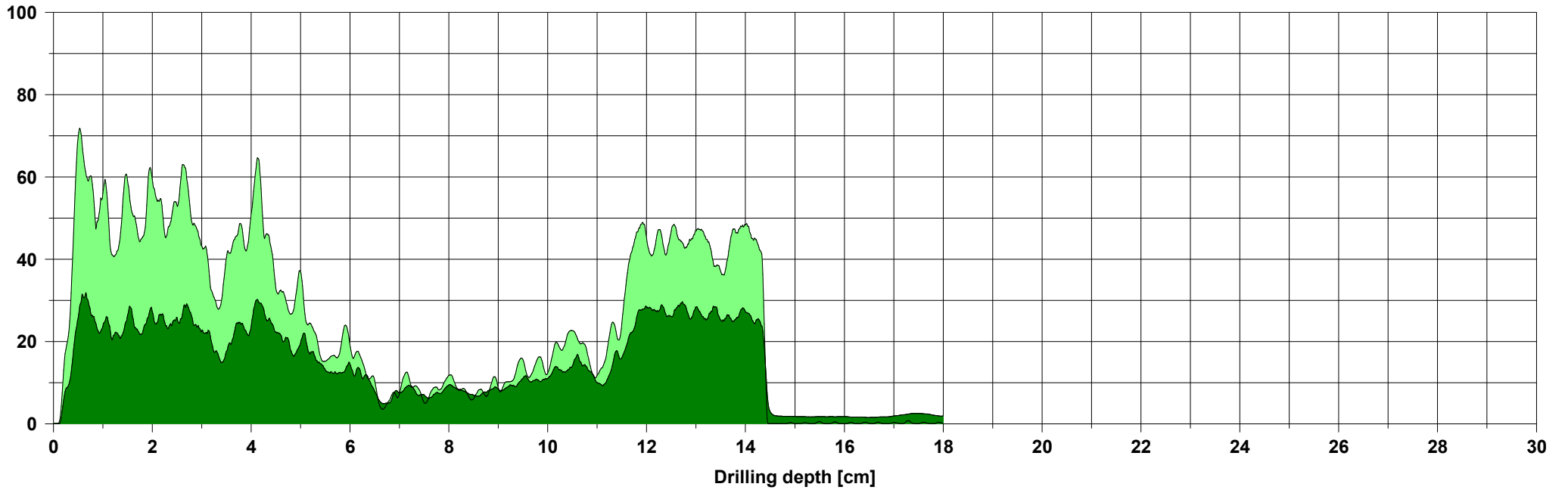
### Assessment

### Comment

### Measuring / object data

Measurement no.:	32	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.6.2B	Needle state:	---	Level	:
Drilling depth	: 18,00 cm	Tilt	: +6°	Direction:	
Date	: 01.04.2025	Offset	: 94 / 271	Species	:
Time	: 11:33:35	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



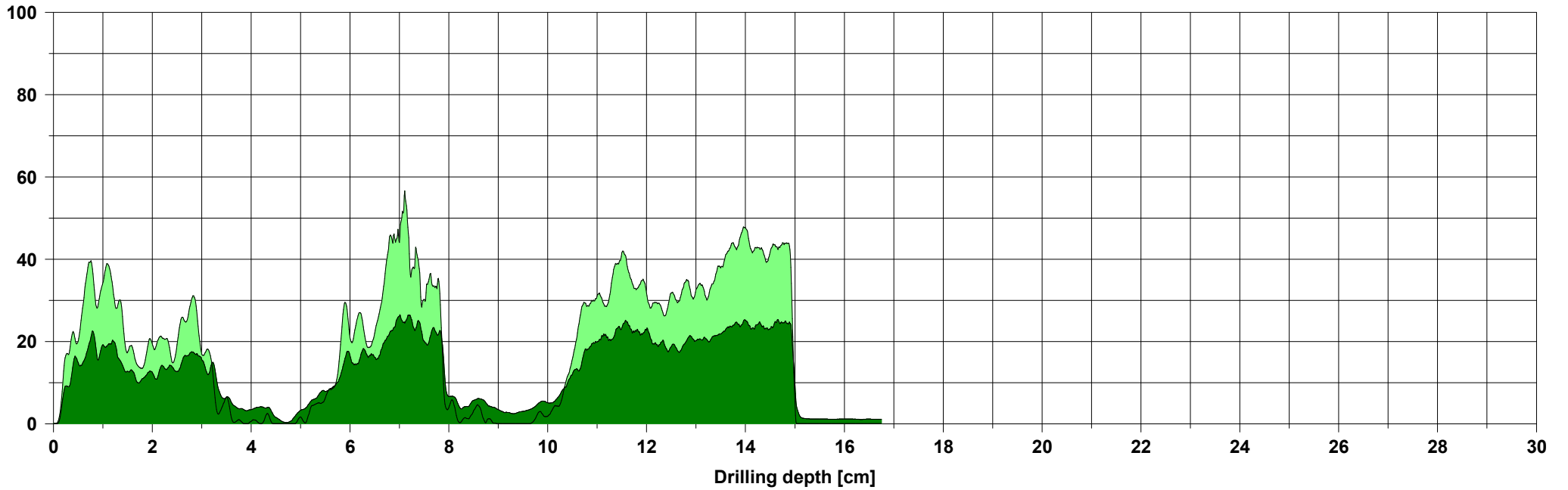
### Assessment

### Comment

### Measuring / object data

Measurement no.:	33	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.6.5A	Needle state:	---	Level	:
Drilling depth	: 16,75 cm	Tilt	: +2°	Direction:	
Date	: 01.04.2025	Offset	: 101 / 257	Species	:
Time	: 11:37:12	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



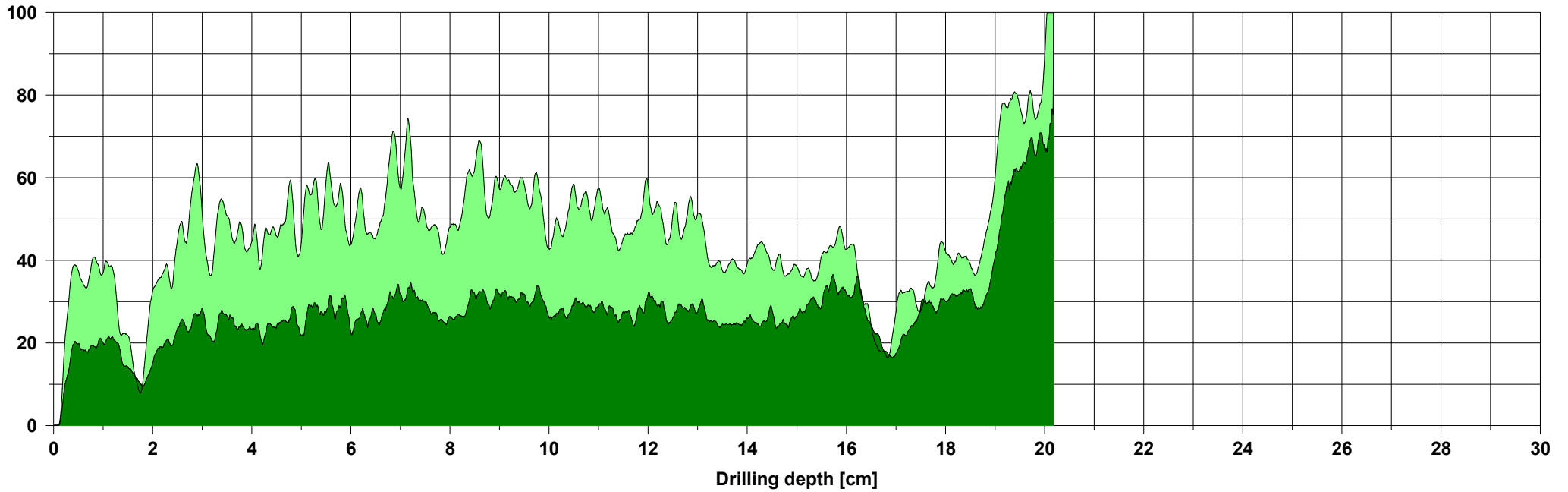
### Assessment

### Comment

### Measuring / object data

Measurement no.:	34	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.6.5A1	Needle state:	---	Level	:
Drilling depth	: 20,18 cm	Tilt	: +90°	Direction:	
Date	: 01.04.2025	Offset	: 114 / 256	Species	:
Time	: 11:39:28	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



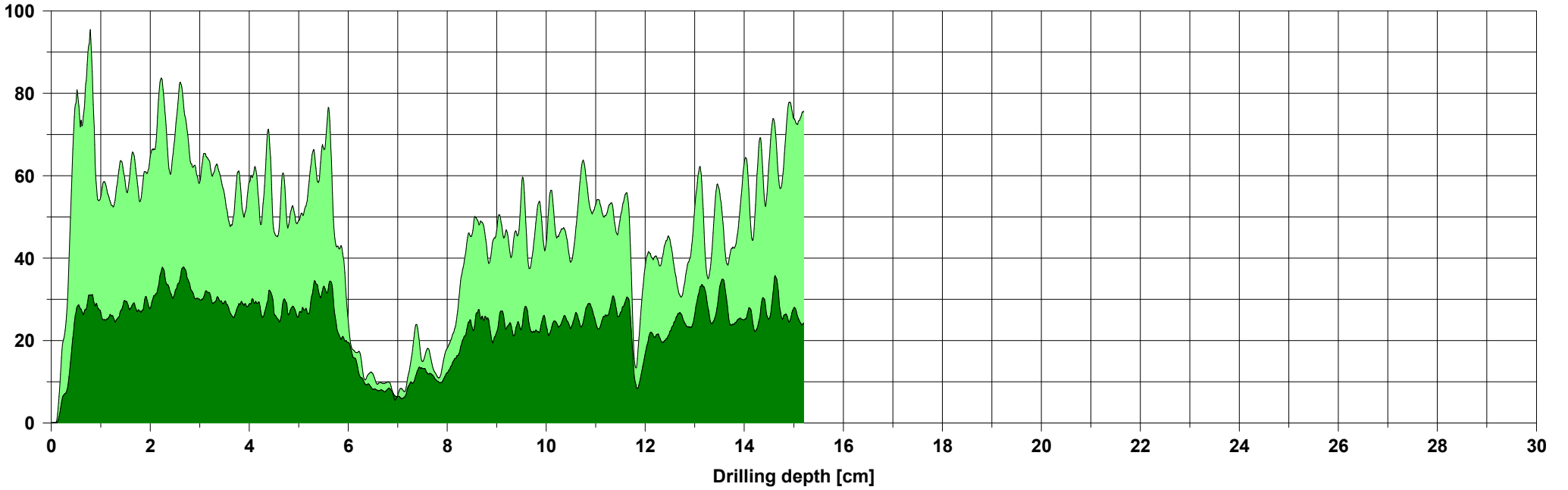
### Assessment

### Comment

### Measuring / object data

Measurement no.:	35	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.6.5B	Needle state:	---	Level	:
Drilling depth	: 15,20 cm	Tilt	: +5°	Direction:	
Date	: 01.04.2025	Offset	: 95 / 264	Species	:
Time	: 11:38:13	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



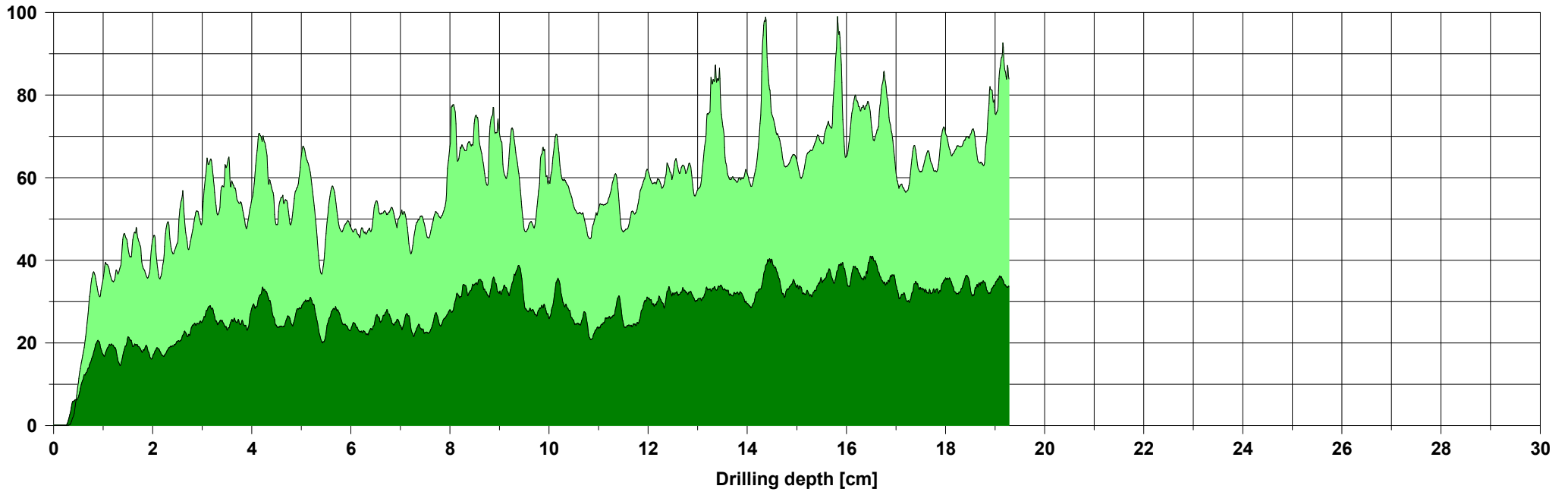
### Assessment

### Comment

### Measuring / object data

Measurement no.:	36	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.6.6A	Needle state:	---	Level	:
Drilling depth	: 19,28 cm	Tilt	: +47°	Direction:	
Date	: 01.04.2025	Offset	: 108 / 262	Species	:
Time	: 11:41:44	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



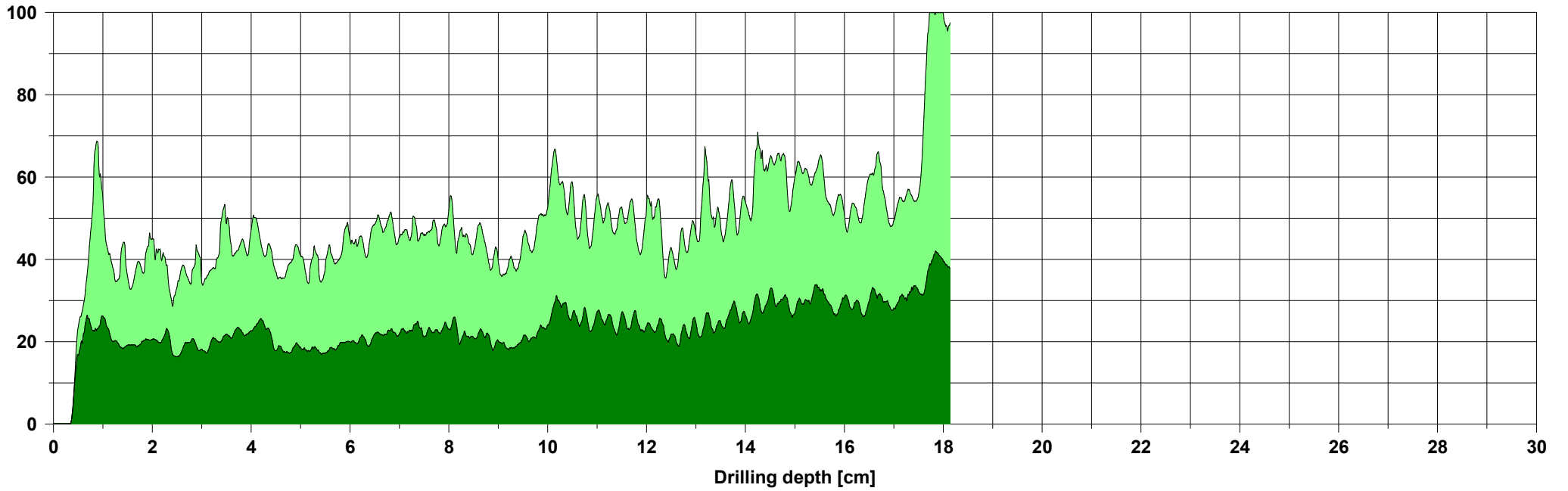
### Assessment

### Comment

### Measuring / object data

Measurement no.:	37	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.7.1A	Needle state:	---	Level	:
Drilling depth	: 18,14 cm	Tilt	: +46°	Direction:	
Date	: 01.04.2025	Offset	: 102 / 261	Species	:
Time	: 12:01:25	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



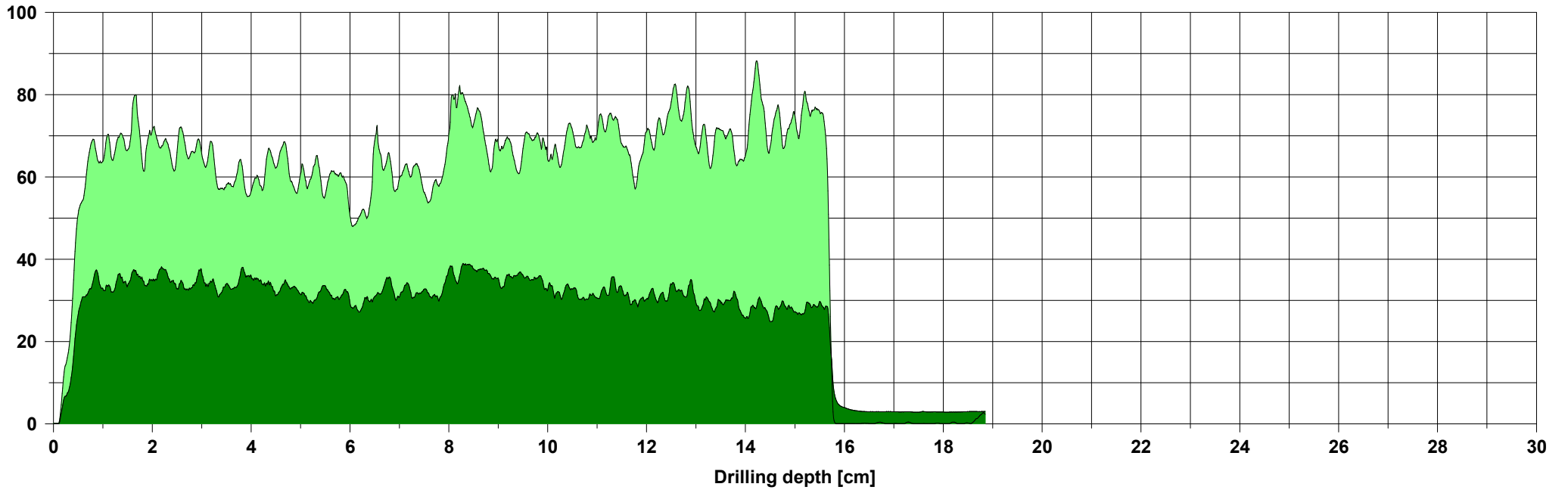
Assessment

Comment

### Measuring / object data

Measurement no.:	38	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.7.2A	Needle state:	---	Level	:
Drilling depth	: 18,85 cm	Tilt	: 0°	Direction:	
Date	: 01.04.2025	Offset	: 92 / 254	Species	:
Time	: 11:57:43	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



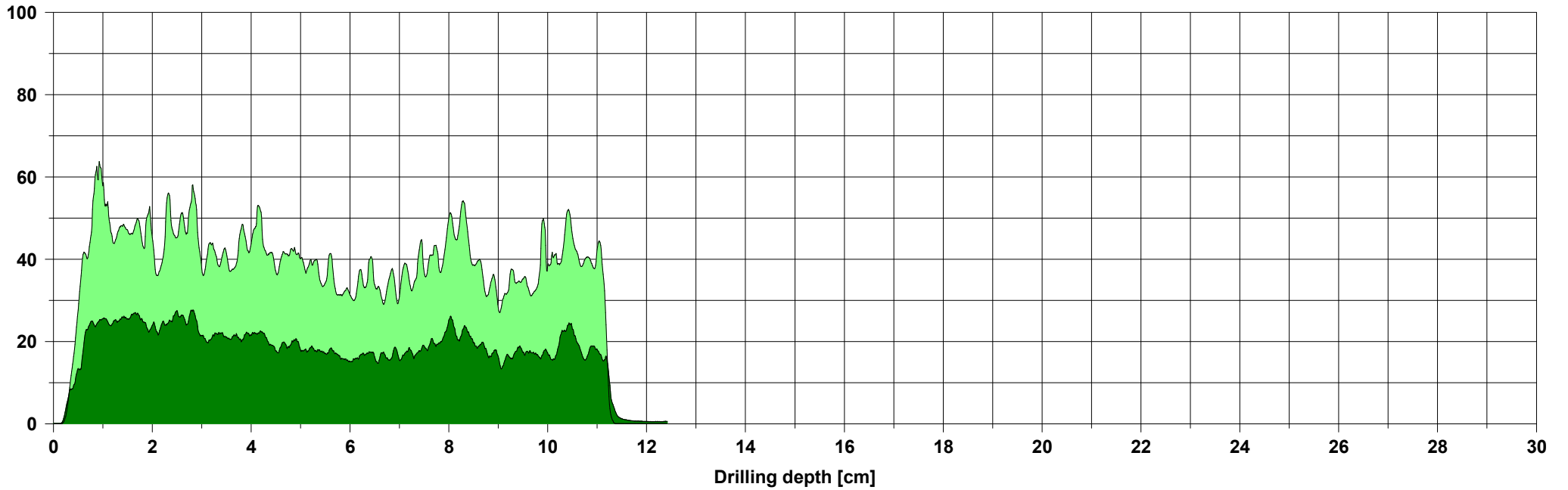
### Assessment

### Comment

### Measuring / object data

Measurement no.:	39	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.7.4A	Needle state:	---	Level	:
Drilling depth	: 12,42 cm	Tilt	: +52°	Direction:	
Date	: 01.04.2025	Offset	: 110 / 259	Species	:
Time	: 11:54:33	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



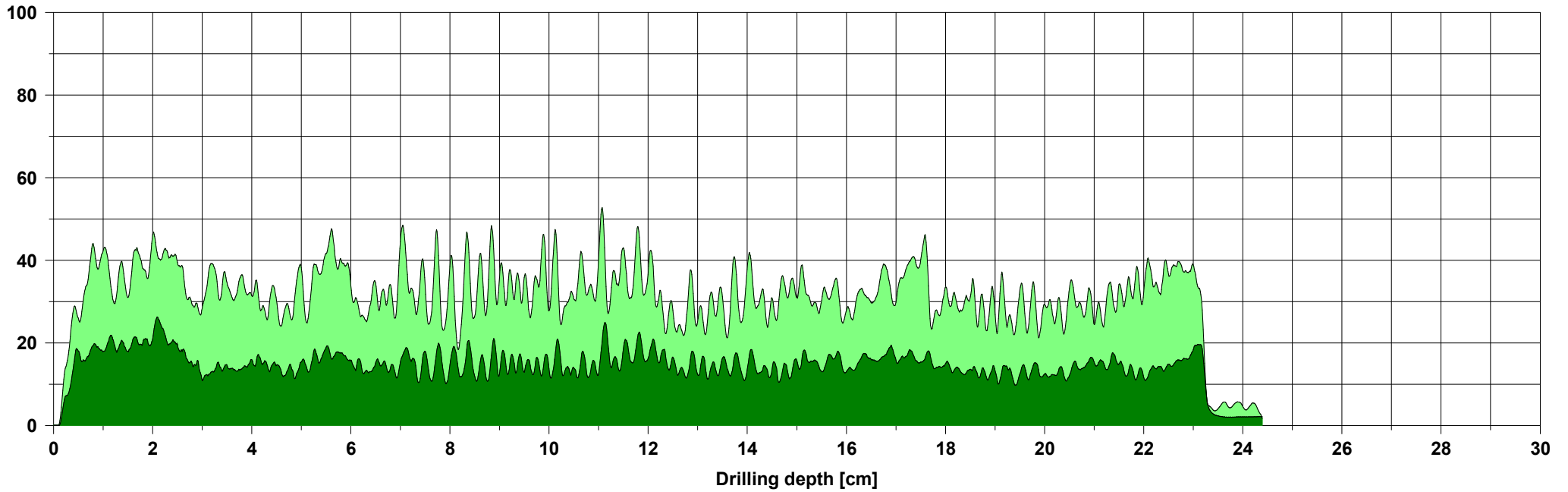
### Assessment

### Comment

### Measuring / object data

Measurement no.:	40	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.7.4A1	Needle state:	---	Level	:
Drilling depth	: 24,39 cm	Tilt	: +90°	Direction:	
Date	: 01.04.2025	Offset	: 111 / 258	Species	:
Time	: 11:55:09	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



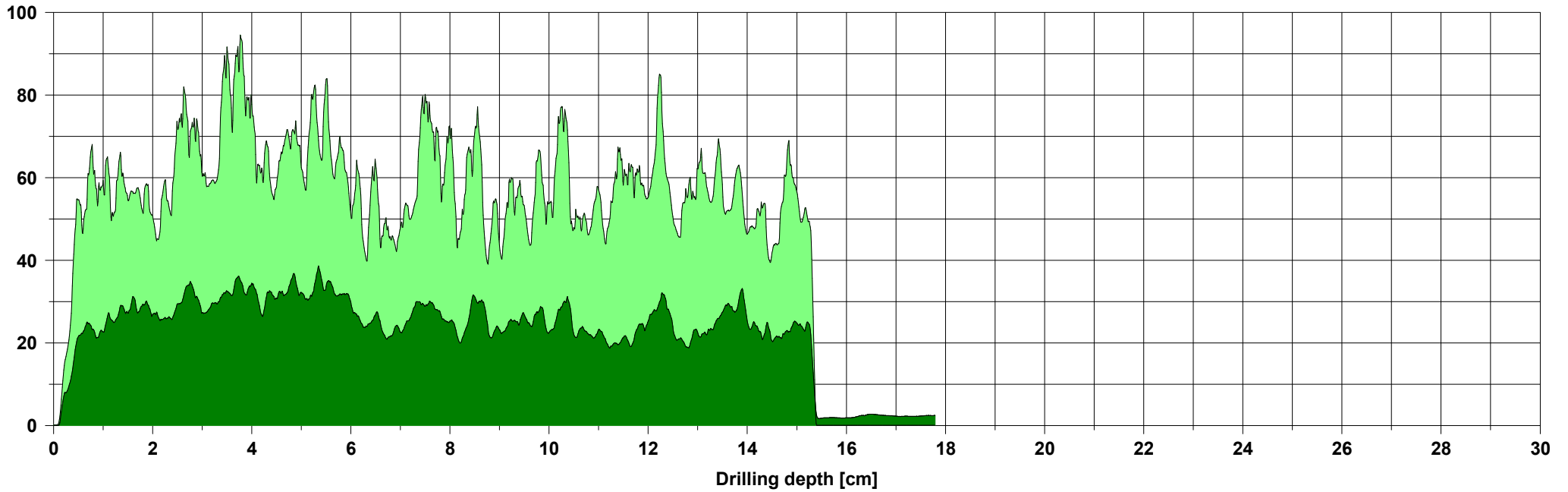
### Assessment

### Comment

### Measuring / object data

Measurement no.:	41	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.7.5A	Needle state:	---	Level	:
Drilling depth	: 17,79 cm	Tilt	: +5°	Direction:	
Date	: 01.04.2025	Offset	: 103 / 258	Species	:
Time	: 11:49:24	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



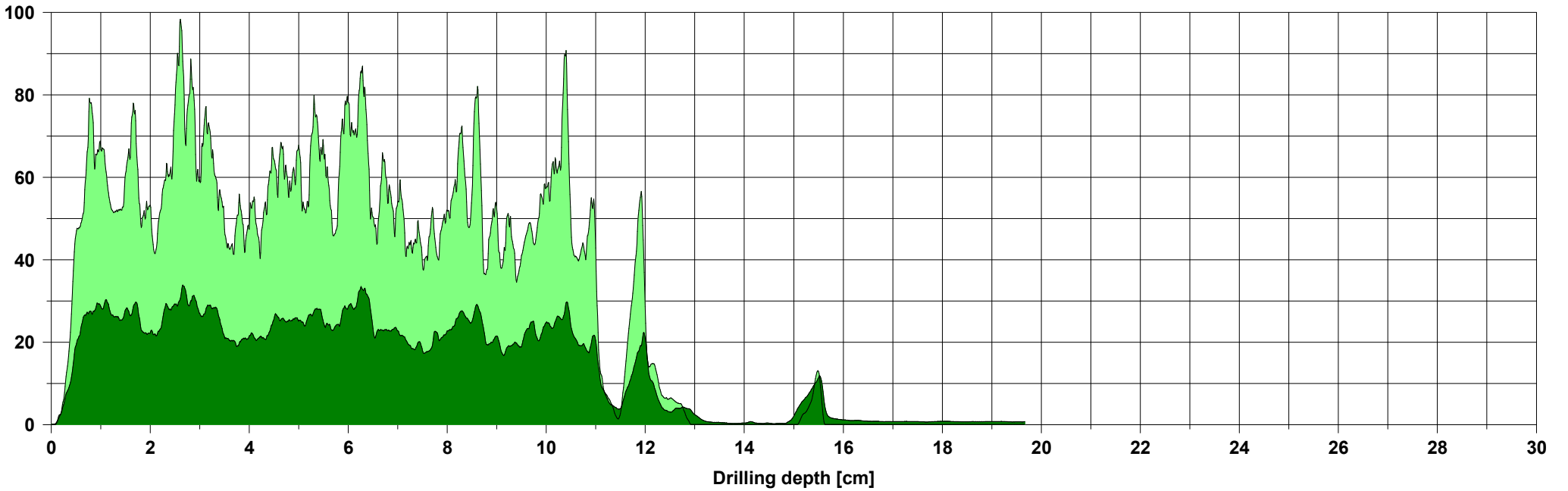
### Assessment

### Comment

### Measuring / object data

Measurement no.:	42	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.7.5B	Needle state:	---	Level	:
Drilling depth	: 19,67 cm	Tilt	: +4°	Direction:	
Date	: 01.04.2025	Offset	: 98 / 258	Species	:
Time	: 11:51:17	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



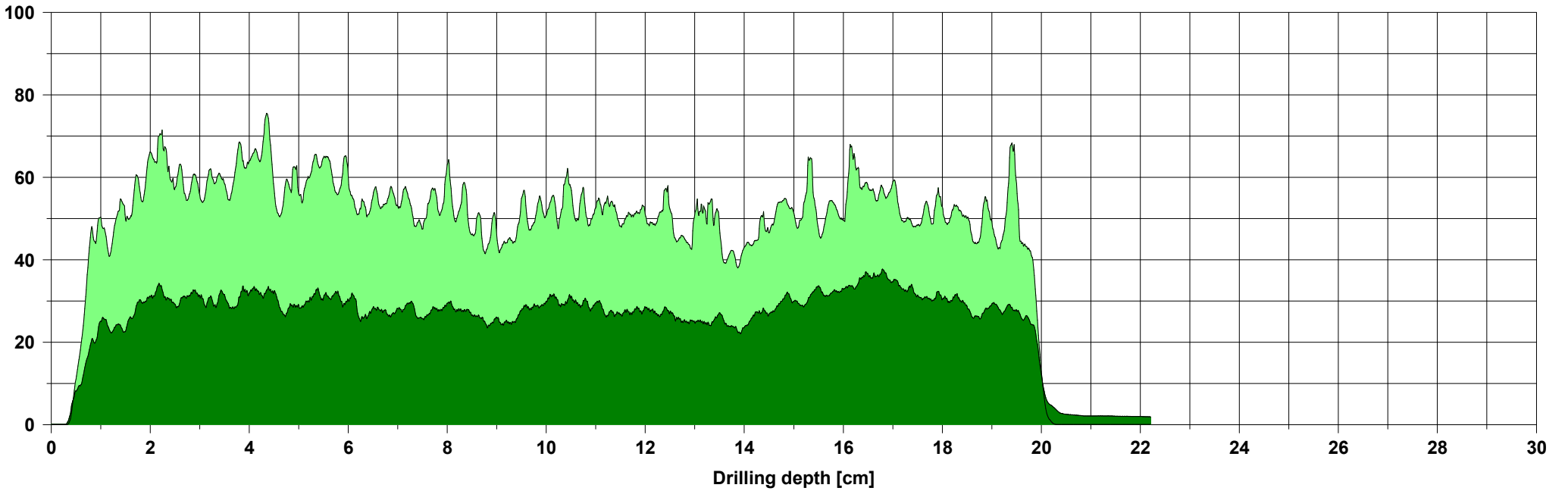
### Assessment

### Comment

### Measuring / object data

Measurement no.:	43	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.7.6A	Needle state:	---	Level	:
Drilling depth	: 22,21 cm	Tilt	: +46°	Direction:	
Date	: 01.04.2025	Offset	: 108 / 262	Species	:
Time	: 11:44:30	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



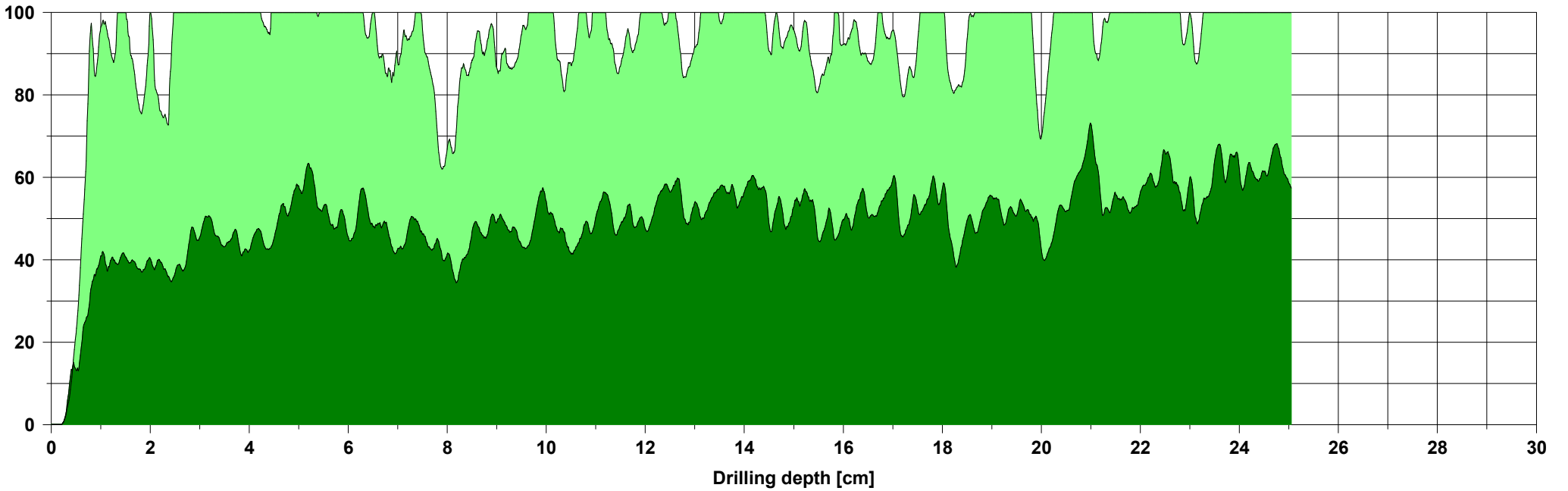
### Assessment

### Comment

### Measuring / object data

Measurement no.:	44	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.8.1A	Needle state:	---	Level	:
Drilling depth	: 25,05 cm	Tilt	: +46°	Direction:	
Date	: 01.04.2025	Offset	: 117 / 284	Species	:
Time	: 13:04:27	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



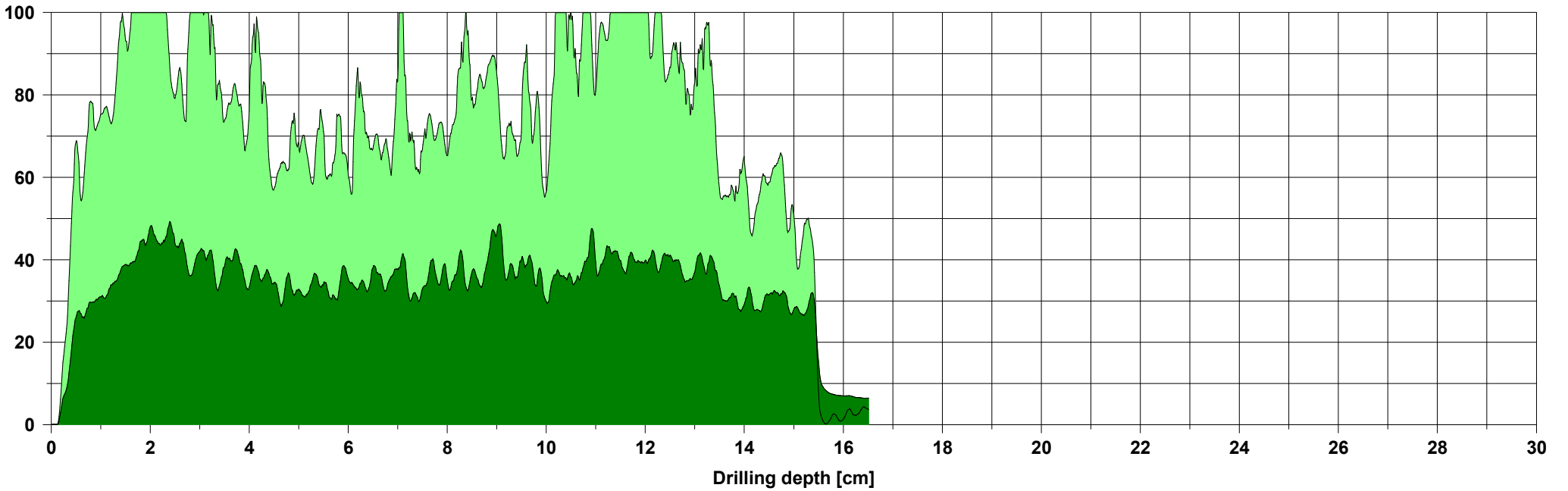
Assessment

Comment

### Measuring / object data

Measurement no.:	45	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.8.2A	Needle state:	---	Level	:
Drilling depth	: 16,51 cm	Tilt	: 0°	Direction:	
Date	: 01.04.2025	Offset	: 100 / 263	Species	:
Time	: 13:06:49	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



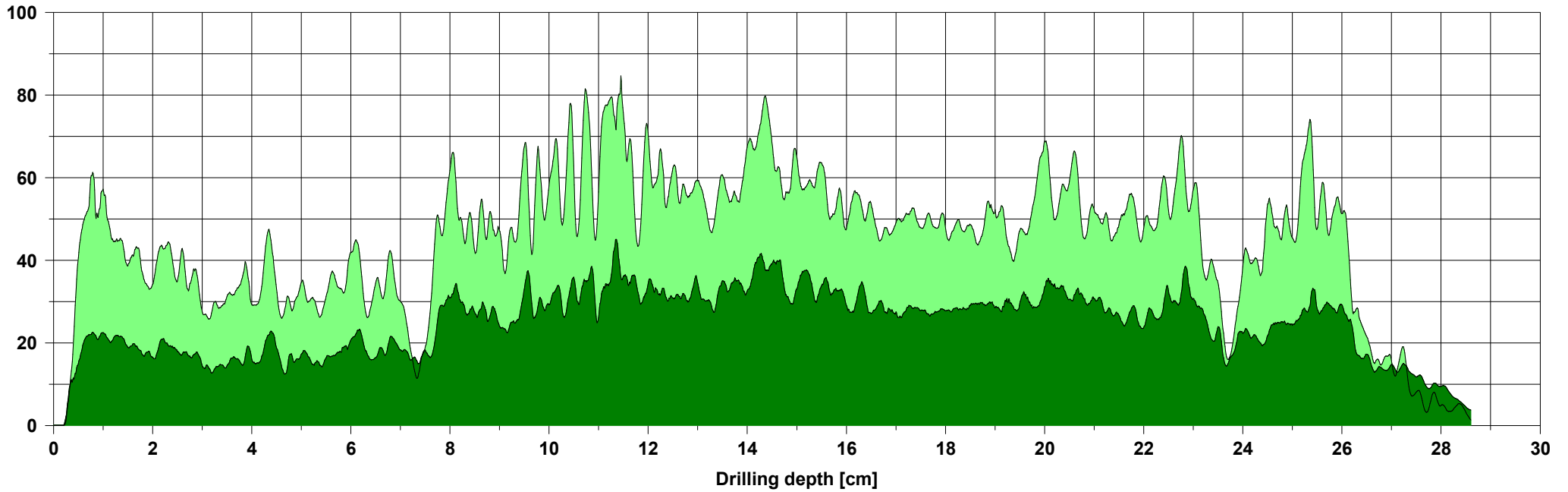
### Assessment

### Comment

### Measuring / object data

Measurement no.:	46	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.8.3A	Needle state:	---	Level	:
Drilling depth	: 28,60 cm	Tilt	: +53°	Direction:	
Date	: 01.04.2025	Offset	: 115 / 263	Species	:
Time	: 13:07:39	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



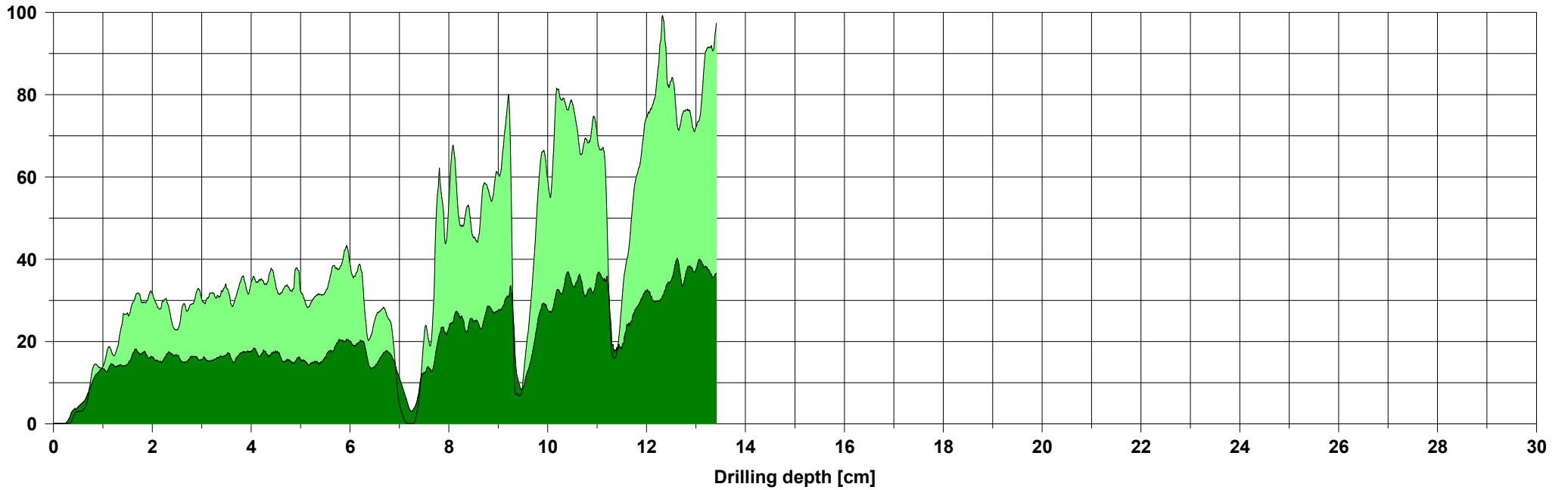
Assessment

Comment

### Measuring / object data

Measurement no.:	47	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.8.4A	Needle state:	---	Level	:
Drilling depth	: 13,41 cm	Tilt	: +51°	Direction:	
Date	: 01.04.2025	Offset	: 111 / 267	Species	:
Time	: 13:11:14	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



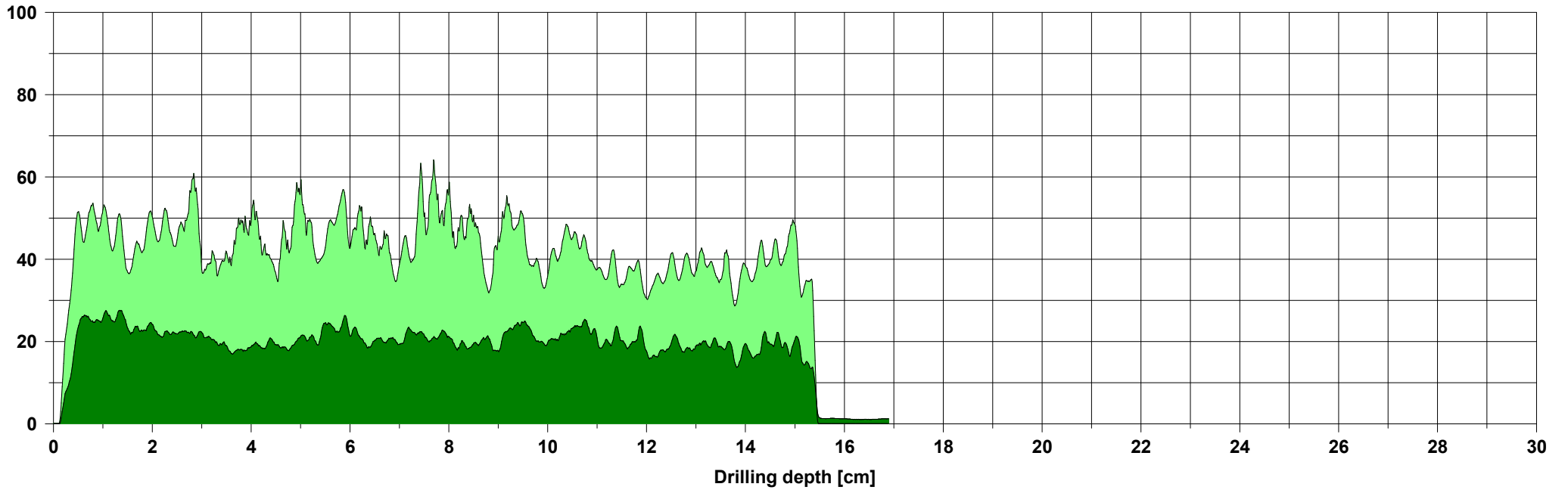
Assessment

Comment

### Measuring / object data

Measurement no.:	48	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.8.5A	Needle state:	---	Level	:
Drilling depth	: 16,90 cm	Tilt	: +2°	Direction:	
Date	: 01.04.2025	Offset	: 94 / 265	Species	:
Time	: 13:10:22	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



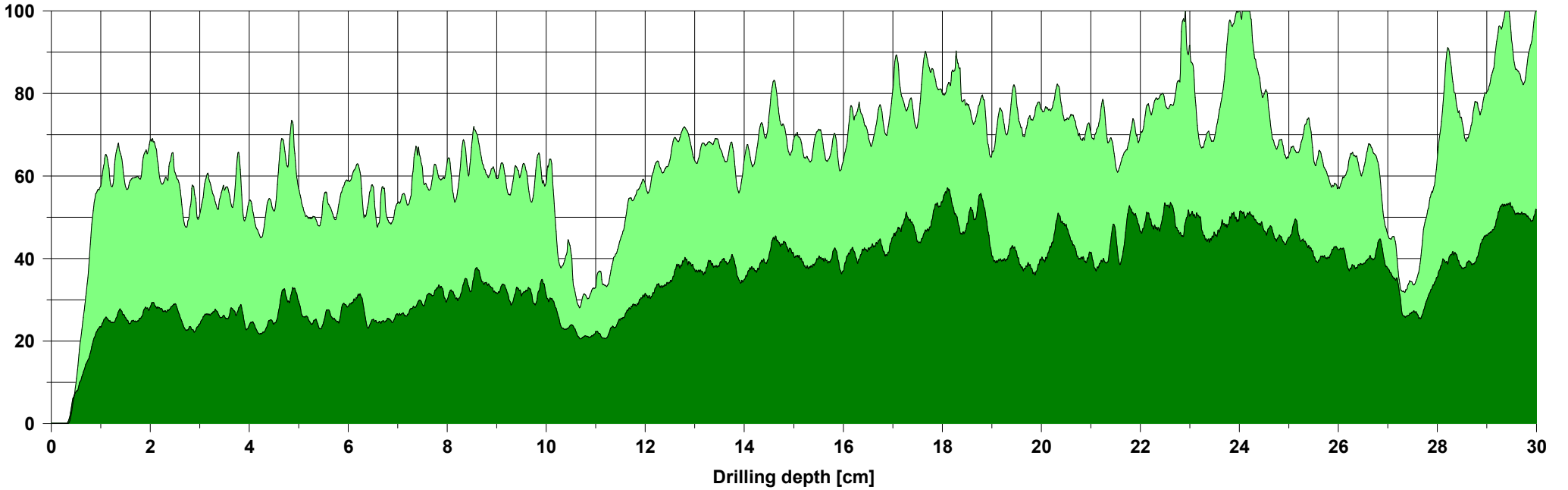
### Assessment

### Comment

### Measuring / object data

Measurement no.:	49	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.9.1A	Needle state:	---	Level	:
Drilling depth	: 31,89 cm	Tilt	: +45°	Direction:	
Date	: 01.04.2025	Offset	: 105 / 263	Species	:
Time	: 13:26:12	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



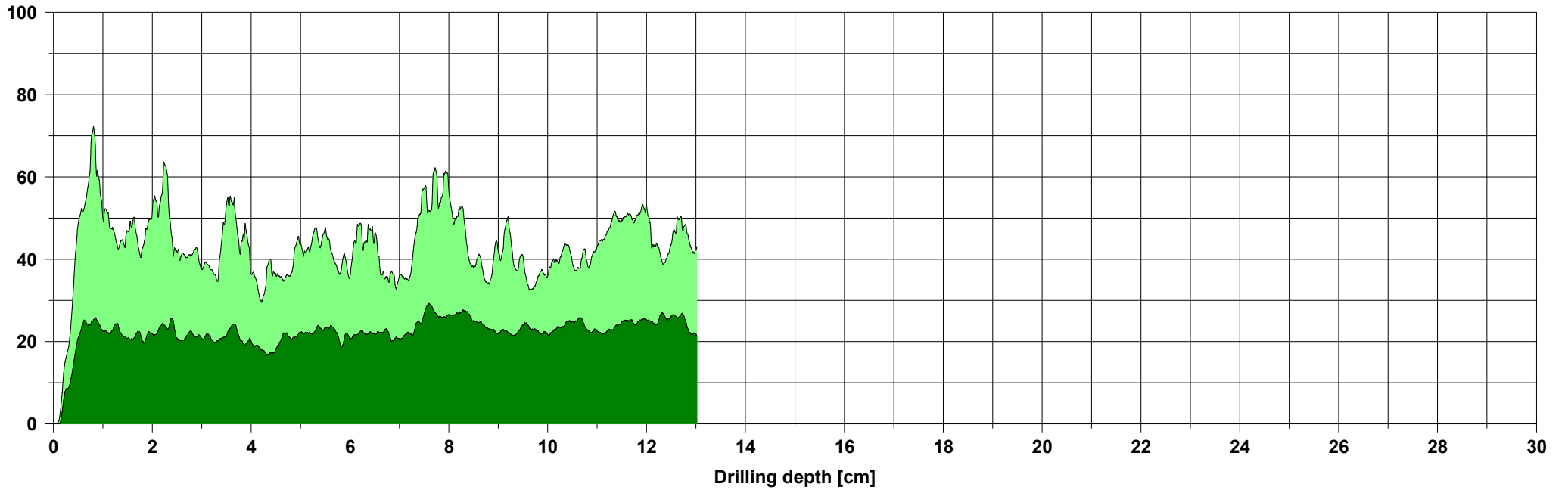
### Assessment

### Comment

### Measuring / object data

Measurement no.:	50	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.9.2A	Needle state:	---	Level	:
Drilling depth	: 13,02 cm	Tilt	: +1°	Direction:	
Date	: 01.04.2025	Offset	: 96 / 261	Species	:
Time	: 13:23:19	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



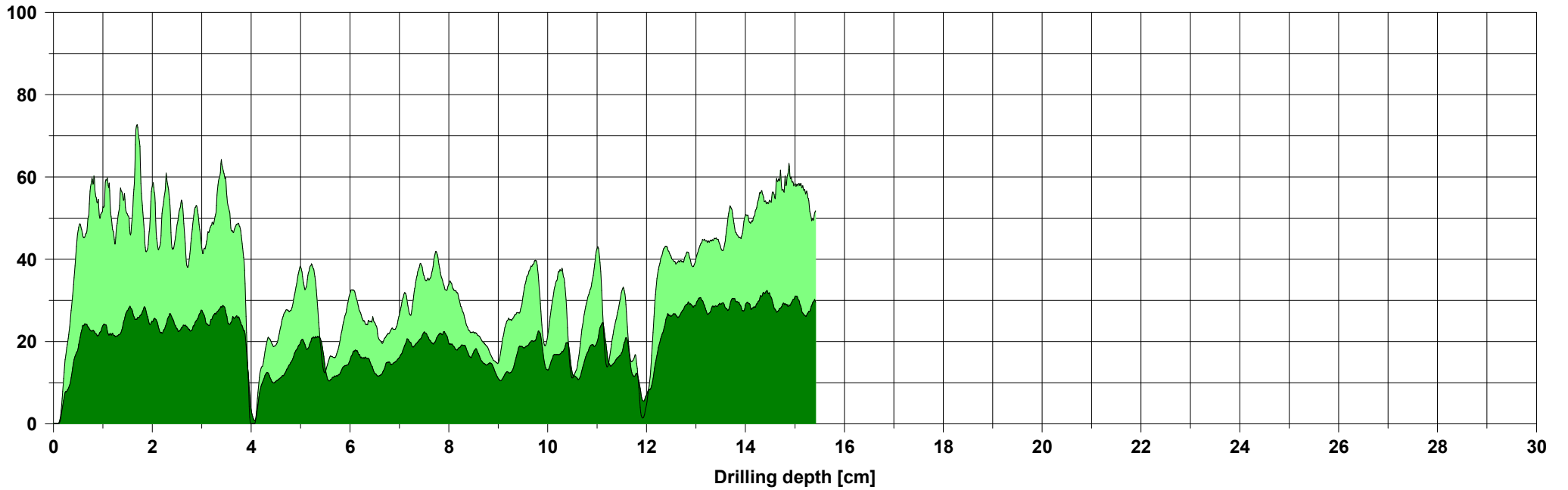
### Assessment

### Comment

### Measuring / object data

Measurement no.:	51	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.9.2B	Needle state:	---	Level	:
Drilling depth	: 15,42 cm	Tilt	: +2°	Direction:	
Date	: 01.04.2025	Offset	: 97 / 257	Species	:
Time	: 13:24:06	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



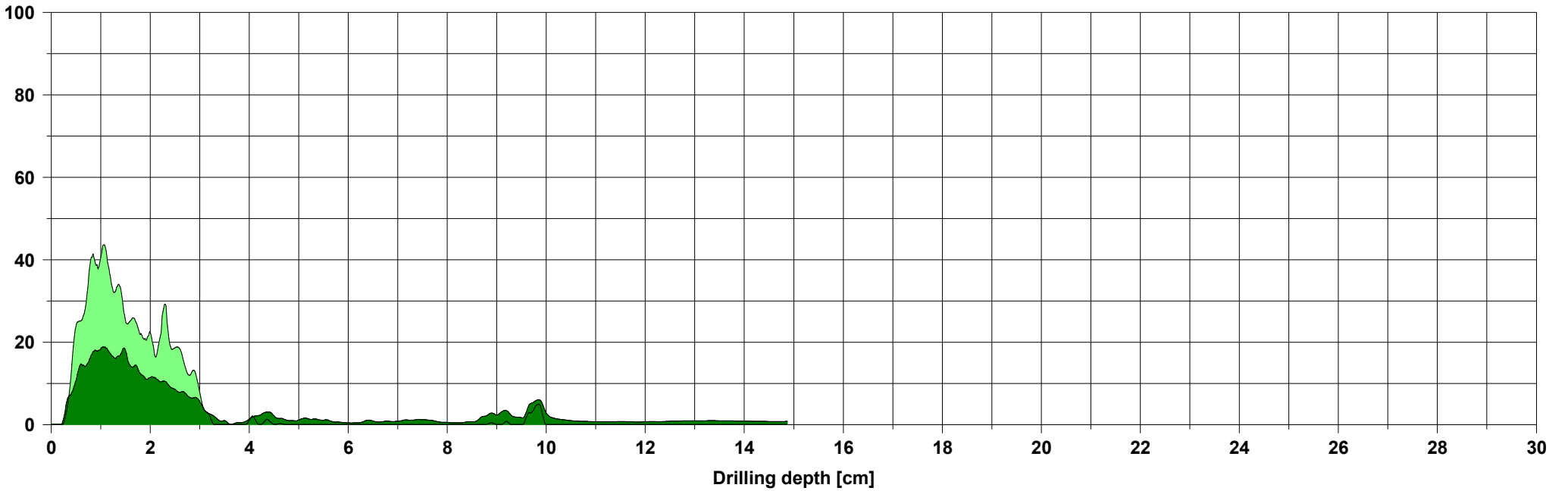
### Assessment

### Comment

### Measuring / object data

Measurement no.:	52	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.9.3A	Needle state:	---	Level	:
Drilling depth	: 14,87 cm	Tilt	: +50°	Direction:	
Date	: 01.04.2025	Offset	: 109 / 267	Species	:
Time	: 13:19:20	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



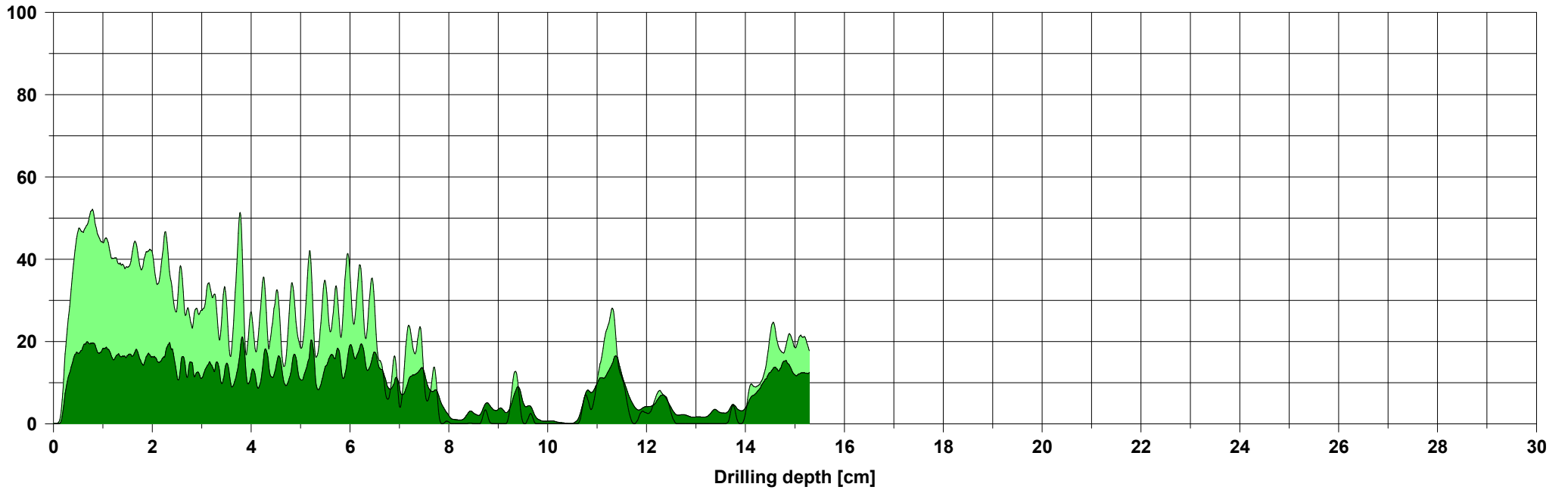
### Assessment

### Comment

### Measuring / object data

Measurement no.:	53	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.9.3A1	Needle state:	---	Level	:
Drilling depth	: 15,29 cm	Tilt	: +90°	Direction:	
Date	: 01.04.2025	Offset	: 109 / 268	Species	:
Time	: 13:19:54	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



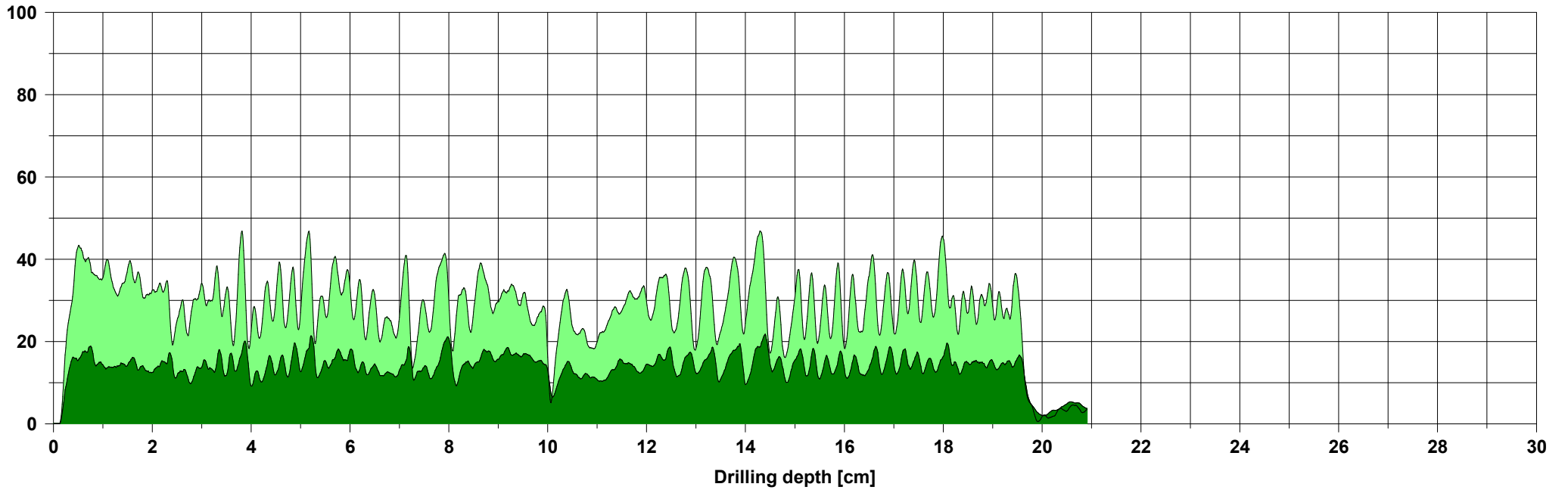
### Assessment

### Comment

### Measuring / object data

Measurement no.:	54	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.9.3A5	Needle state:	---	Level	:
Drilling depth	: 20,91 cm	Tilt	: +90°	Direction:	
Date	: 01.04.2025	Offset	: 112 / 265	Species	:
Time	: 13:21:00	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



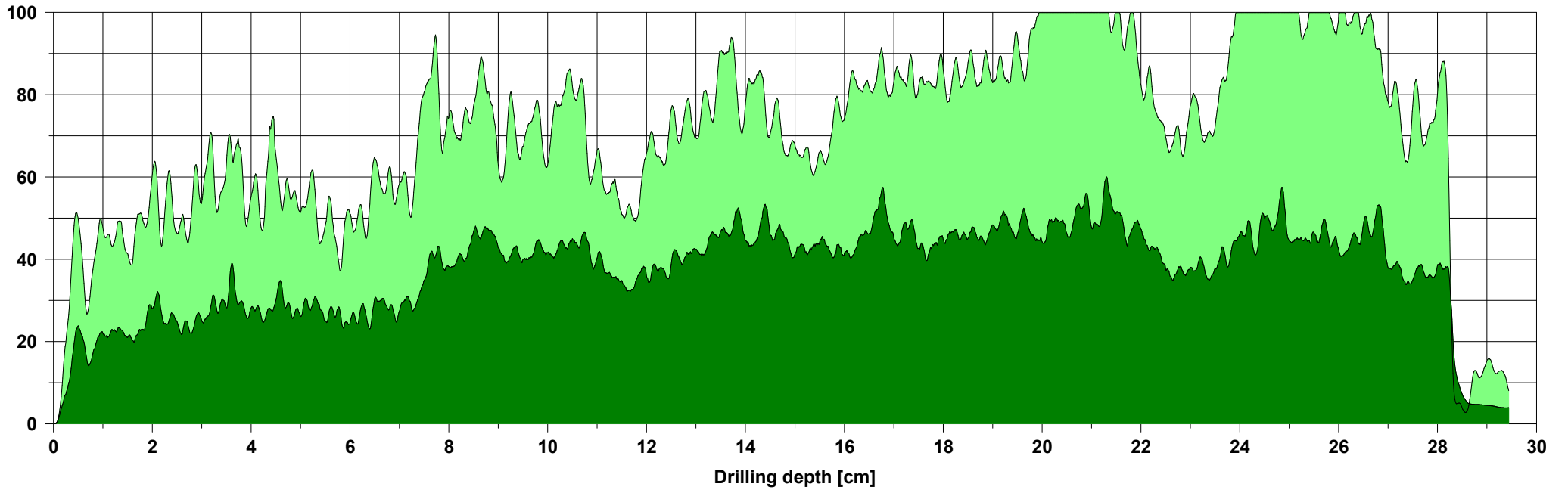
### Assessment

### Comment

### Measuring / object data

Measurement no.:	55	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.9.5A5	Needle state:	---	Level	:
Drilling depth	: 29,44 cm	Tilt	: +90°	Direction:	
Date	: 01.04.2025	Offset	: 114 / 263	Species	:
Time	: 13:16:06	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



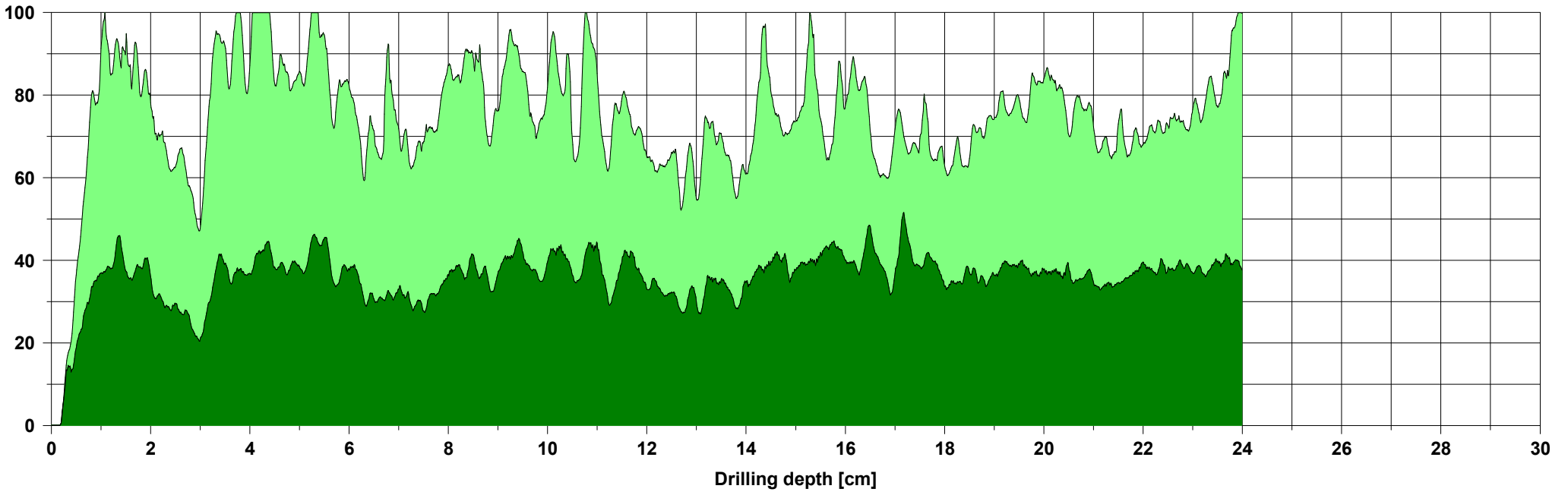
### Assessment

### Comment

### Measuring / object data

Measurement no.:	56	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.9.6A	Needle state:	---	Level	:
Drilling depth	: 23,99 cm	Tilt	: +42°	Direction:	
Date	: 01.04.2025	Offset	: 104 / 276	Species	:
Time	: 13:13:28	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



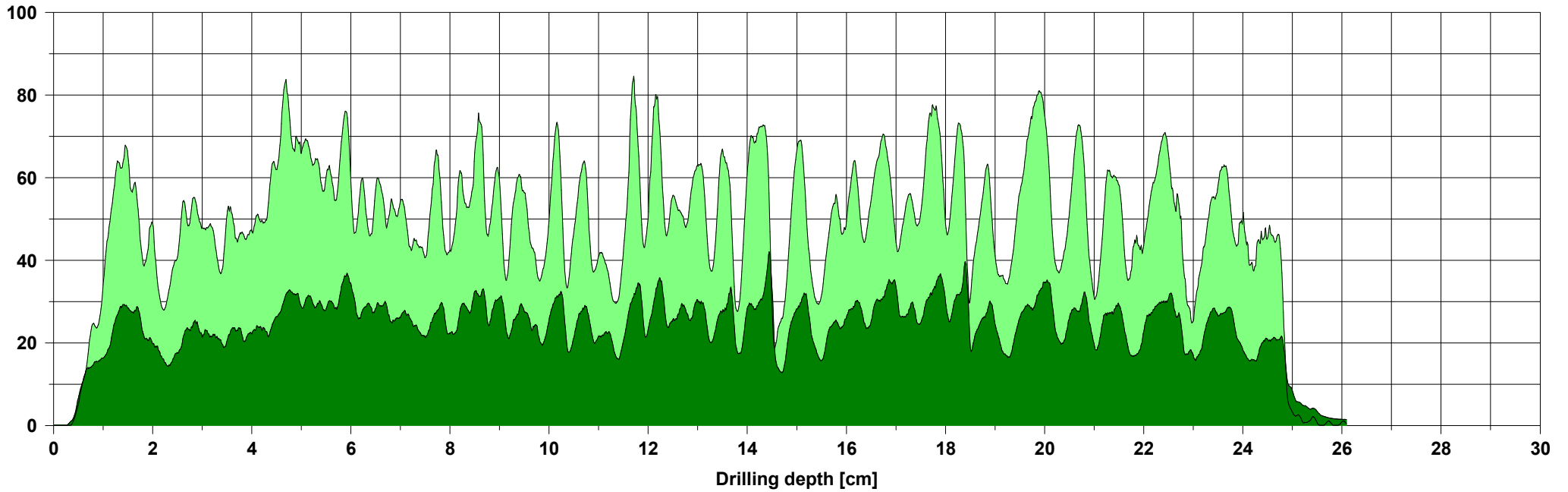
Assessment

Comment

### Measuring / object data

Measurement no.:	57	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.10.1A	Needle state:	---	Level	:
Drilling depth	: 26,09 cm	Tilt	: +43°	Direction:	
Date	: 01.04.2025	Offset	: 101 / 264	Species	:
Time	: 13:28:47	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



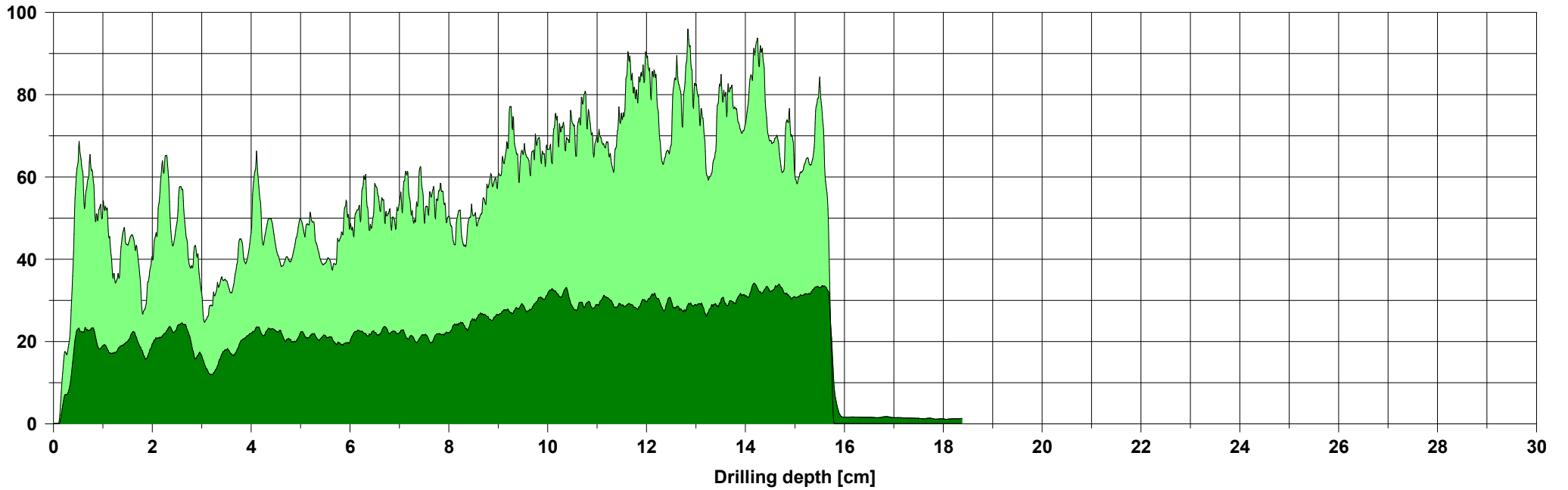
### Assessment

### Comment

### Measuring / object data

Measurement no.:	58	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.10.2A	Needle state:	---	Level	:
Drilling depth	: 18,38 cm	Tilt	: +3°	Direction:	
Date	: 01.04.2025	Offset	: 99 / 264	Species	:
Time	: 13:31:58	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



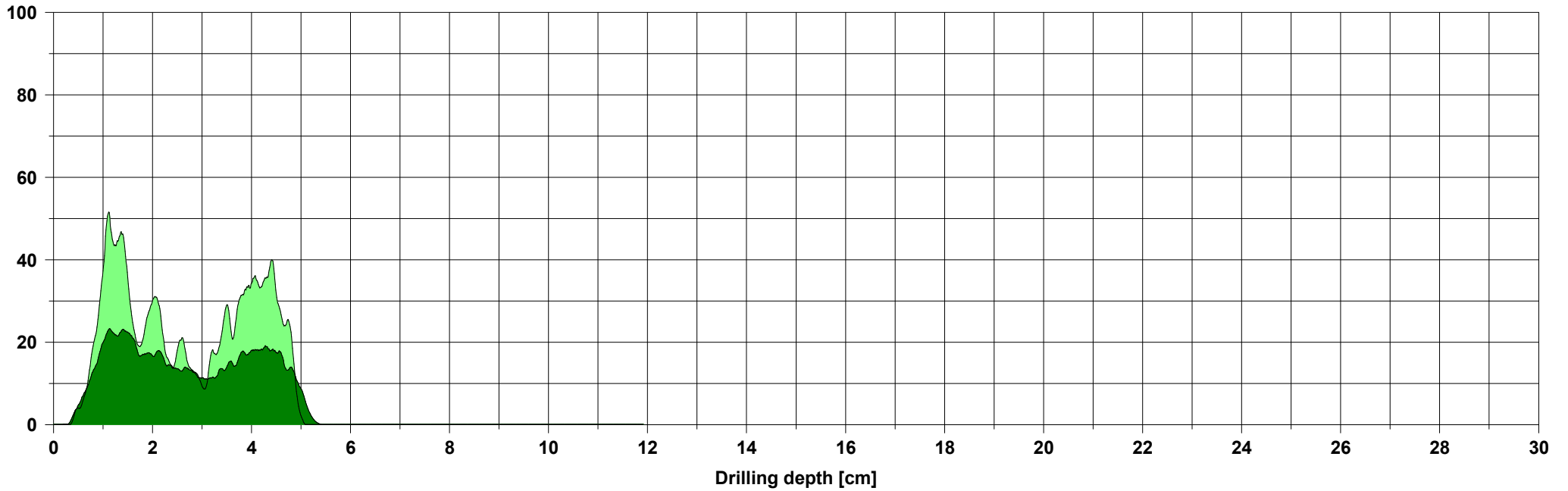
### Assessment

### Comment

### Measuring / object data

Measurement no.:	59	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.10.3A	Needle state:	---	Level	:
Drilling depth	: 11,92 cm	Tilt	: +50°	Direction:	
Date	: 01.04.2025	Offset	: 105 / 264	Species	:
Time	: 13:33:11	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



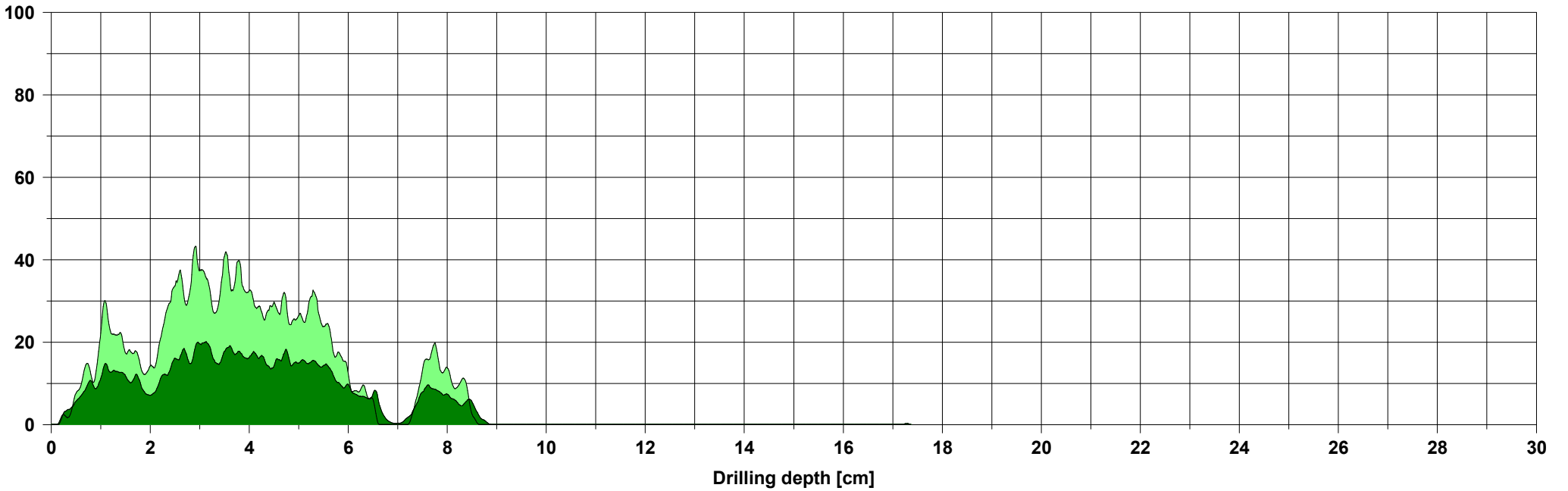
### Assessment

### Comment

### Measuring / object data

Measurement no.:	60	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.10.4A	Needle state:	---	Level	:
Drilling depth	: 17,37 cm	Tilt	: +51°	Direction:	
Date	: 01.04.2025	Offset	: 99 / 258	Species	:
Time	: 13:45:01	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



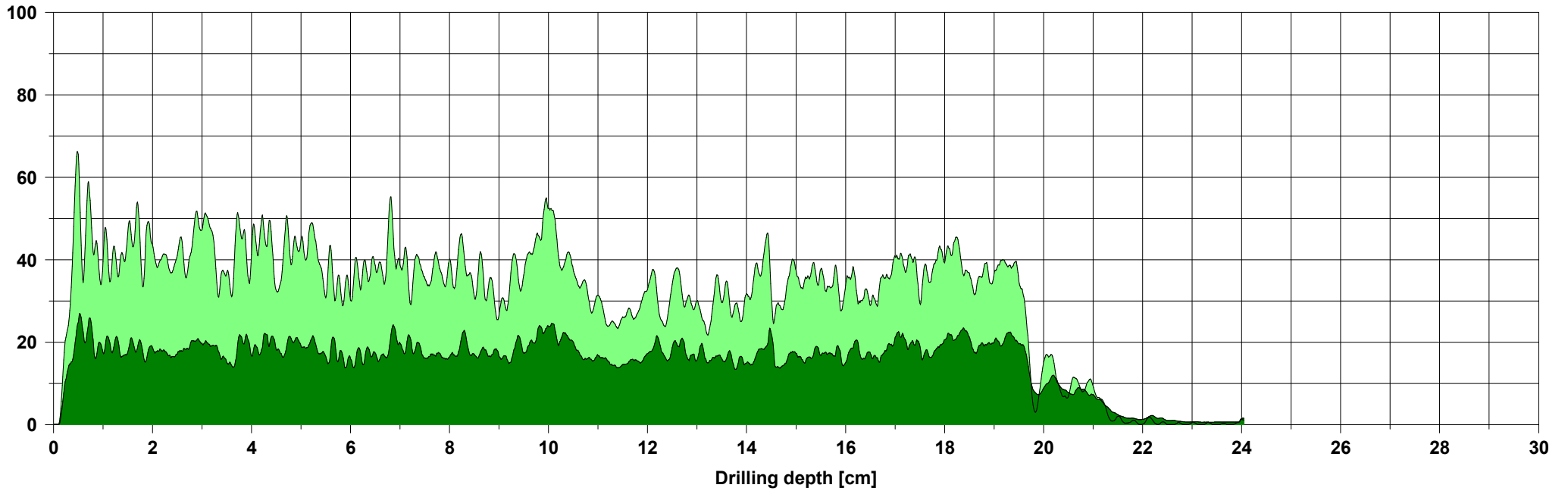
### Assessment

### Comment

### Measuring / object data

Measurement no.:	61	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.10.4A10	Needle state:	---	Level	:
Drilling depth	: 24,05 cm	Tilt	: +90°	Direction:	
Date	: 01.04.2025	Offset	: 109 / 253	Species	:
Time	: 13:46:39	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



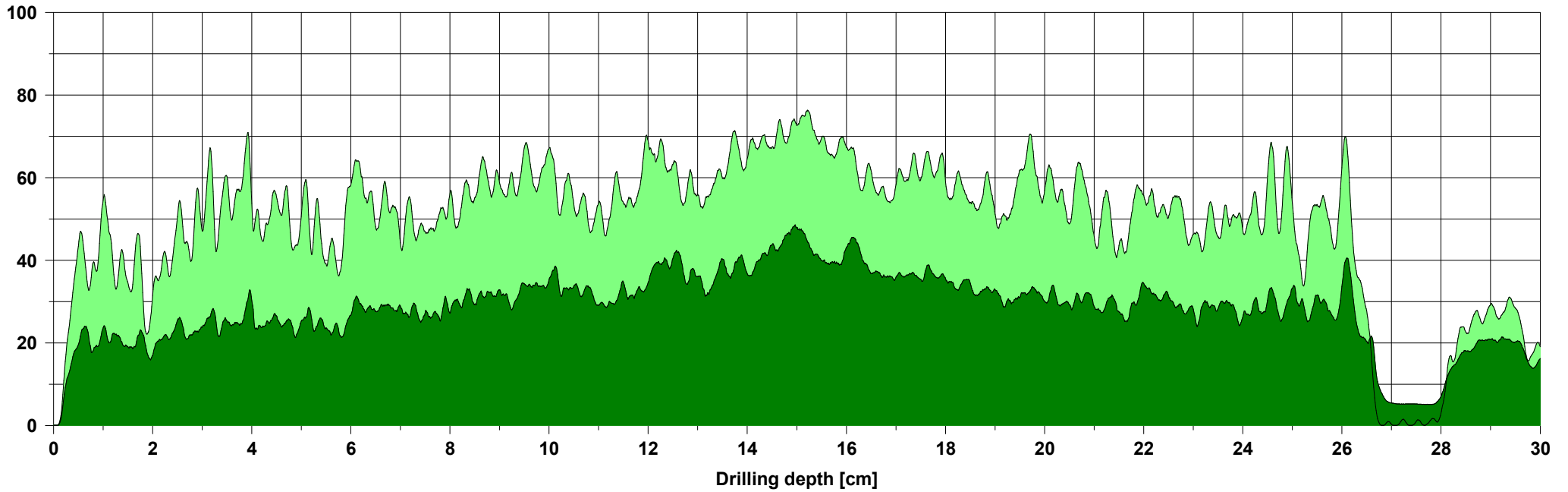
### Assessment

### Comment

### Measuring / object data

Measurement no.:	62	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.10.5A2	Needle state:	---	Level	:
Drilling depth	: 35,00 cm	Tilt	: +90°	Direction:	
Date	: 01.04.2025	Offset	: 114 / 259	Species	:
Time	: 13:36:09	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



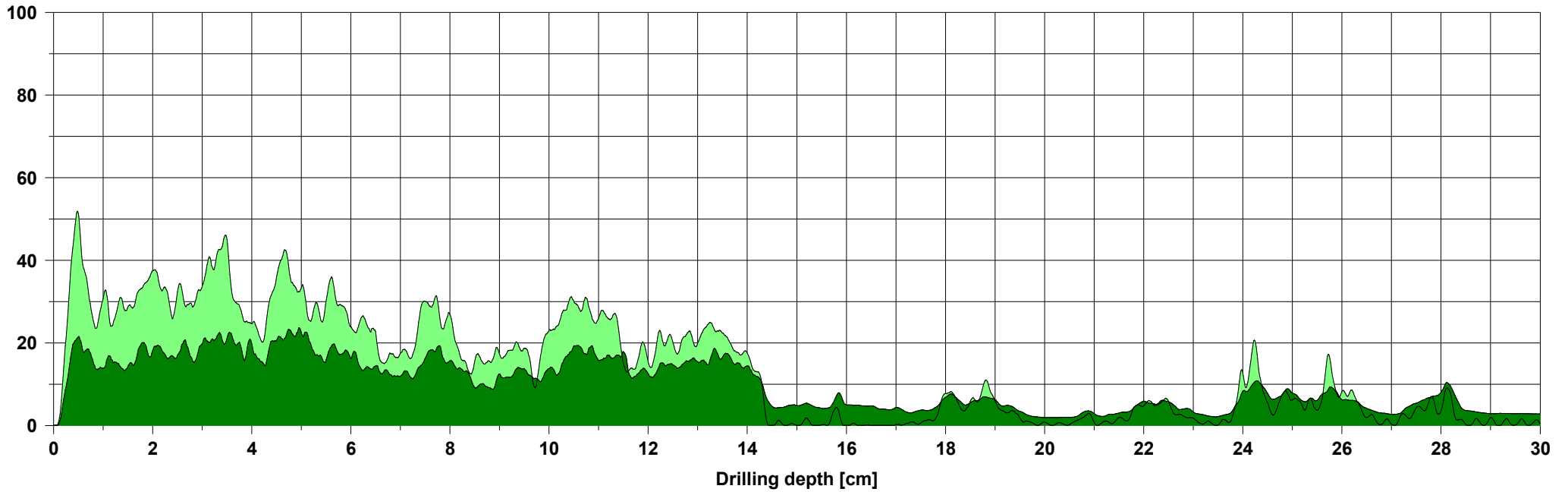
### Assessment

### Comment

### Measuring / object data

Measurement no.:	63	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.10.5A10	Needle state:	---	Level	:
Drilling depth	: 30,90 cm	Tilt	: +90°	Direction:	
Date	: 01.04.2025	Offset	: 111 / 255	Species	:
Time	: 13:39:46	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



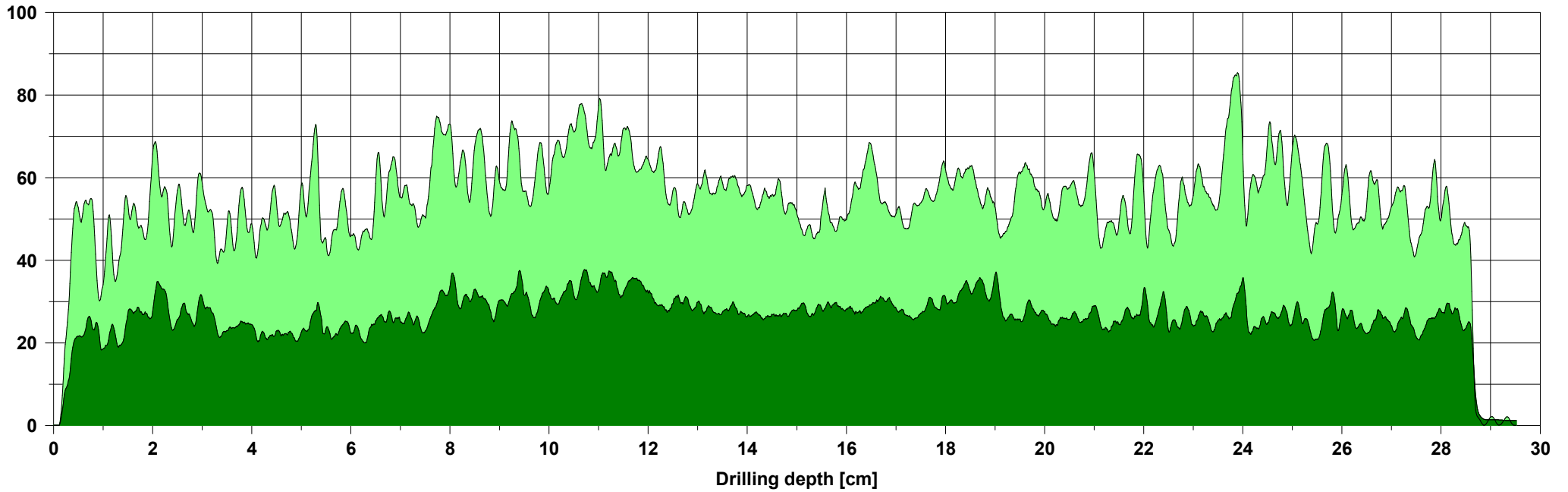
### Assessment

### Comment

### Measuring / object data

Measurement no.:	64	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.10.5A25	Needle state:	---	Level	:
Drilling depth	: 29,52 cm	Tilt	: +90°	Direction:	
Date	: 01.04.2025	Offset	: 109 / 260	Species	:
Time	: 13:42:46	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



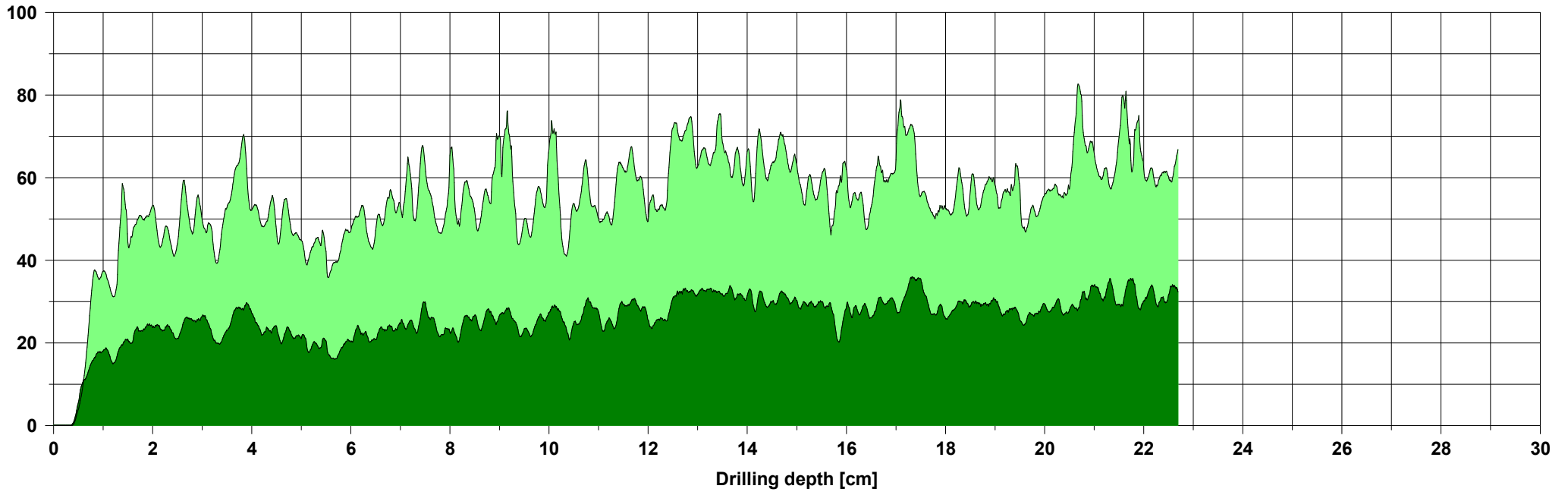
### Assessment

### Comment

### Measuring / object data

Measurement no.:	65	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.10.6A	Needle state:	---	Level	:
Drilling depth	: 22,69 cm	Tilt	: +44°	Direction:	
Date	: 01.04.2025	Offset	: 101 / 258	Species	:
Time	: 13:48:50	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



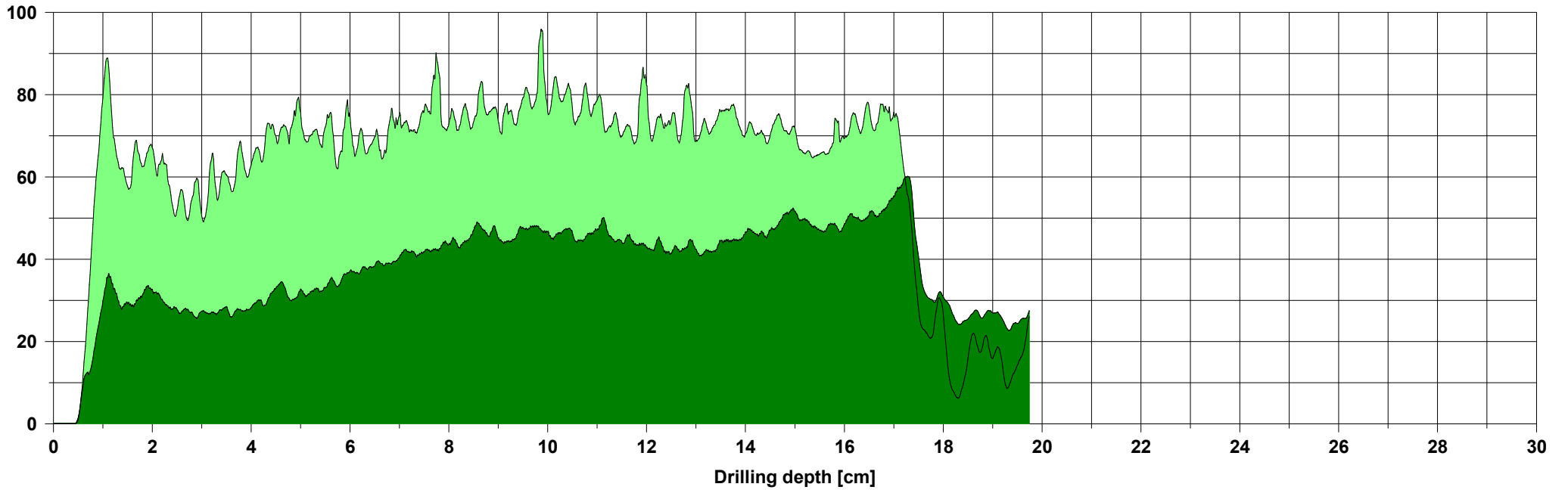
### Assessment

### Comment

### Measuring / object data

Measurement no.:	66	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.11.1A	Needle state:	---	Level	:
Drilling depth	: 19,74 cm	Tilt	: +45°	Direction:	
Date	: 01.04.2025	Offset	: 99 / 245	Species	:
Time	: 14:07:58	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



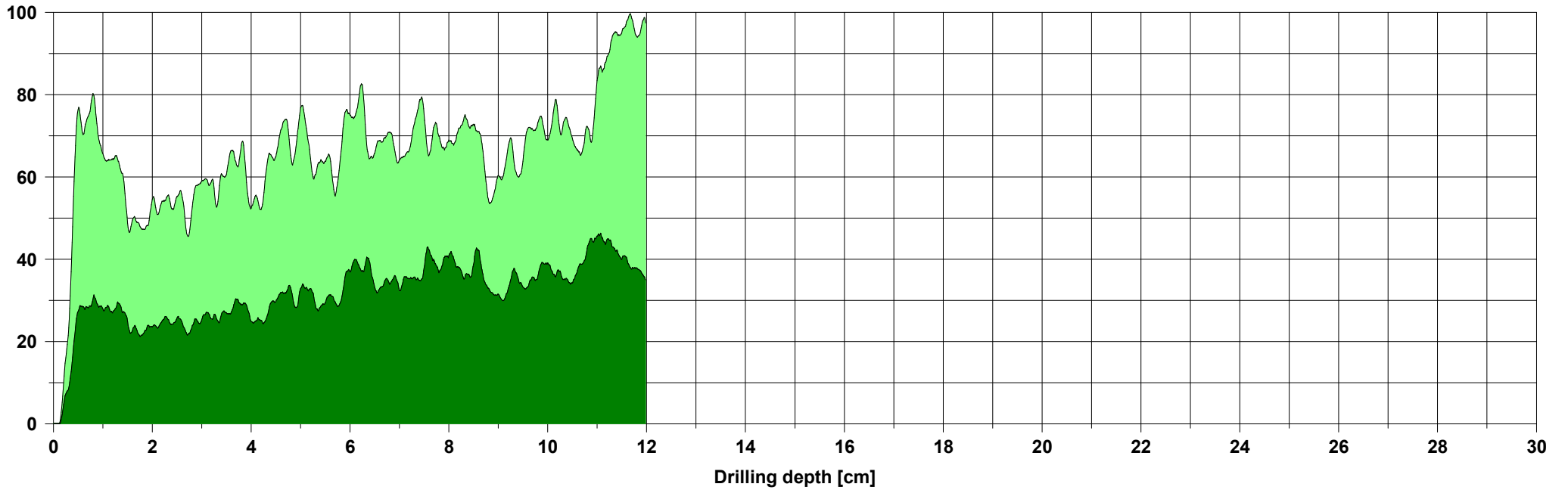
### Assessment

### Comment

### Measuring / object data

Measurement no.:	67	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.11.2A	Needle state:	---	Level	:
Drilling depth	: 11,98 cm	Tilt	: 0°	Direction:	
Date	: 01.04.2025	Offset	: 87 / 257	Species	:
Time	: 14:03:33	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



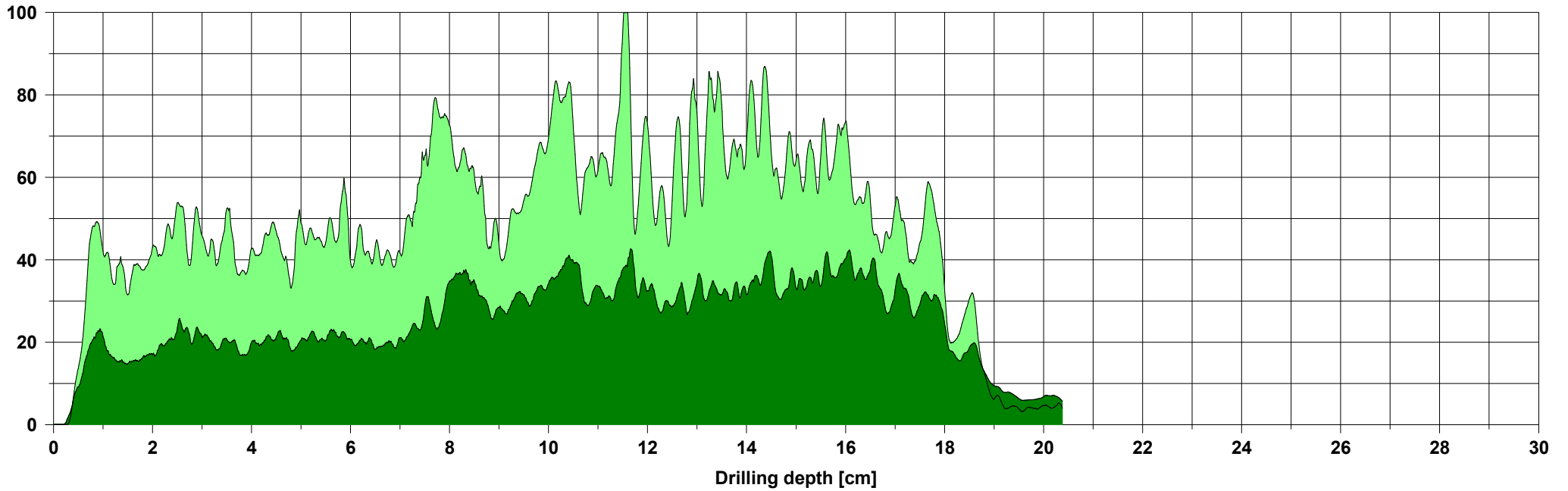
### Assessment

### Comment

### Measuring / object data

Measurement no.:	68	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.11.3A	Needle state:	---	Level	:
Drilling depth	: 20,38 cm	Tilt	: +50°	Direction:	
Date	: 01.04.2025	Offset	: 103 / 263	Species	:
Time	: 14:05:42	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



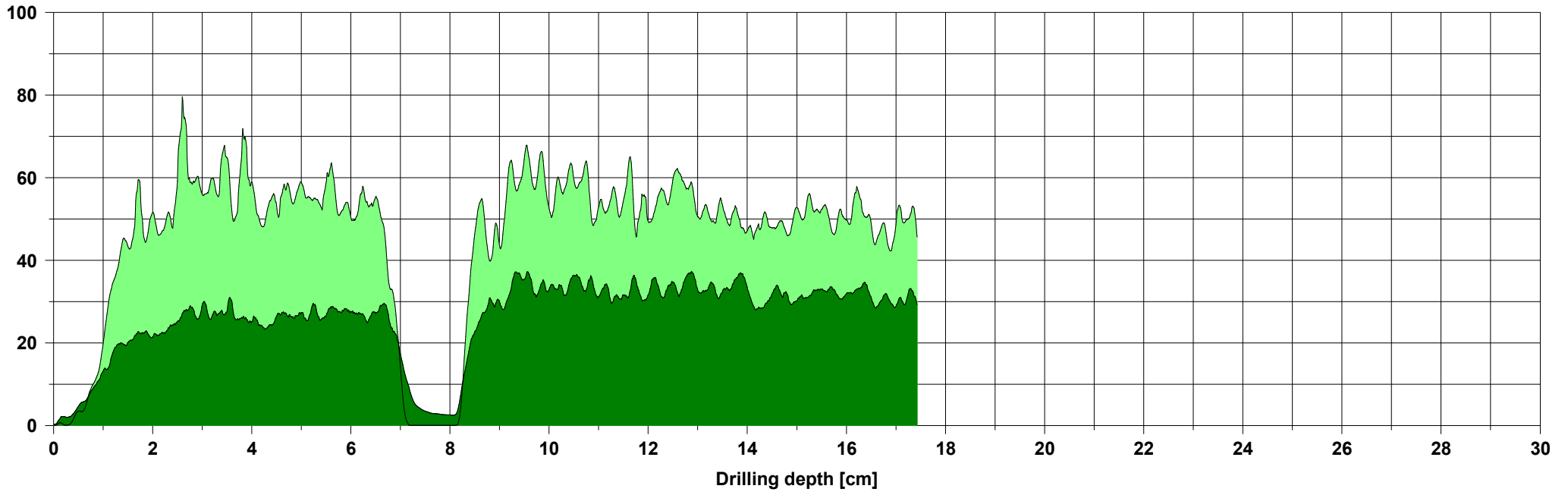
Assessment

Comment

### Measuring / object data

Measurement no.:	69	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.11.4A	Needle state:	---	Level	:
Drilling depth	: 17,43 cm	Tilt	: +53°	Direction:	
Date	: 01.04.2025	Offset	: 105 / 252	Species:	
Time	: 13:59:27	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



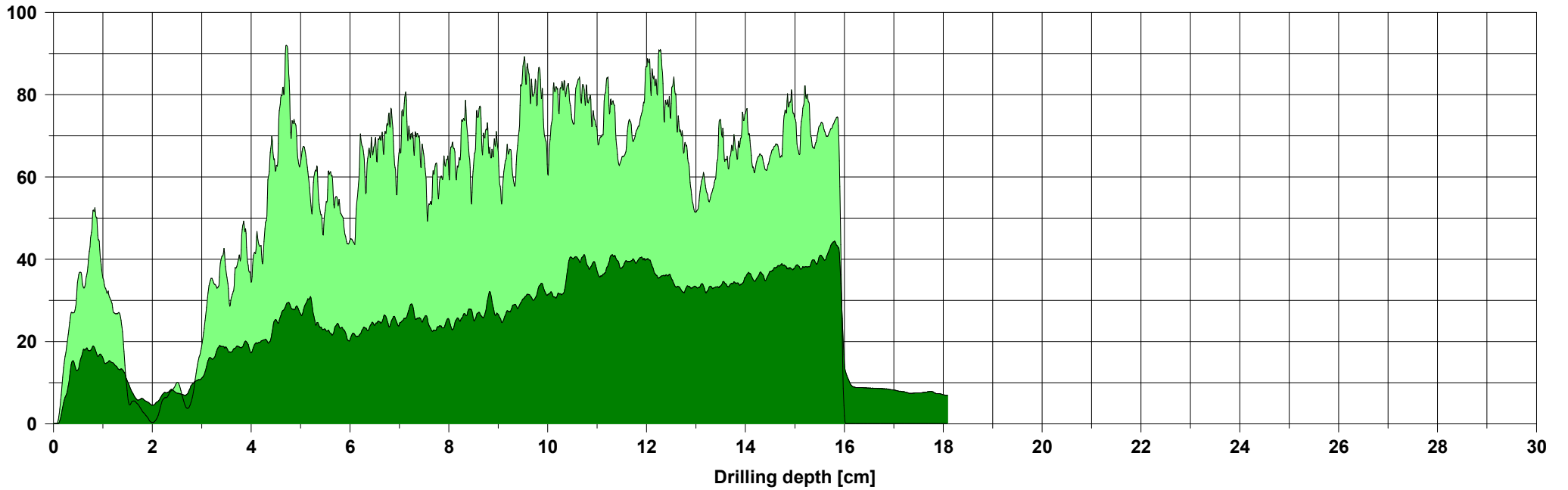
### Assessment

### Comment

### Measuring / object data

Measurement no.:	70	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.11.5A	Needle state:	---	Level	:
Drilling depth	: 18,09 cm	Tilt	: -1°	Direction:	
Date	: 01.04.2025	Offset	: 92 / 255	Species	:
Time	: 13:57:27	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



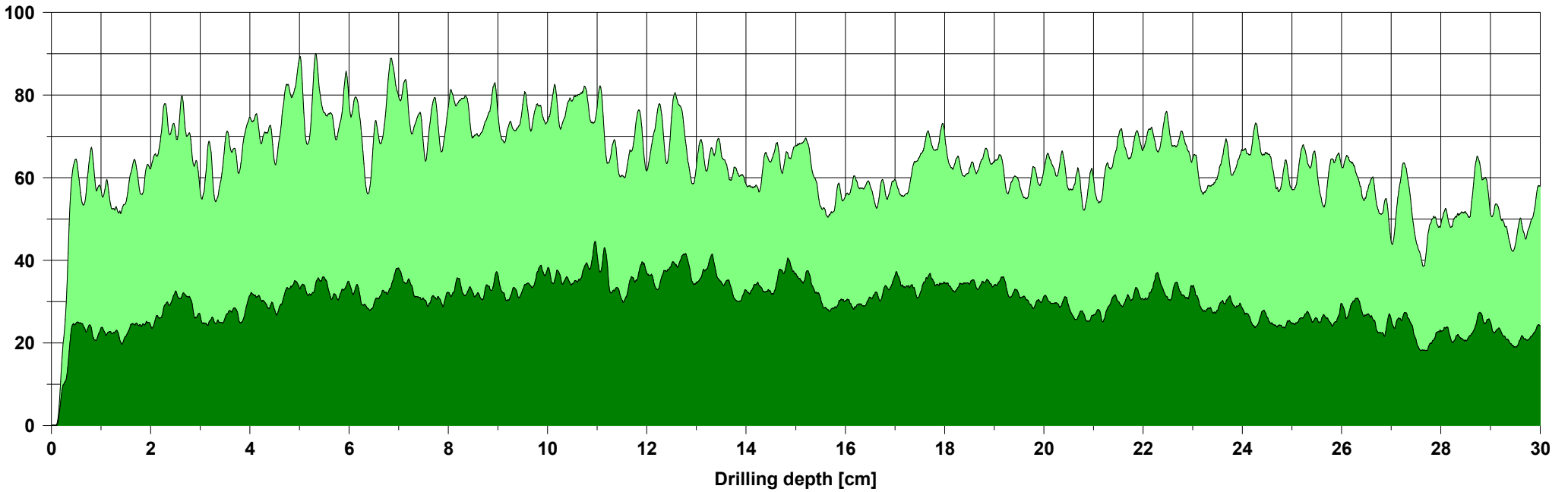
### Assessment

### Comment

### Measuring / object data

Measurement no.:	71	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.11.5A5	Needle state:	---	Level	:
Drilling depth	: 31,70 cm	Tilt	: +90°	Direction:	
Date	: 01.04.2025	Offset	: 110 / 248	Species	:
Time	: 14:01:07	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



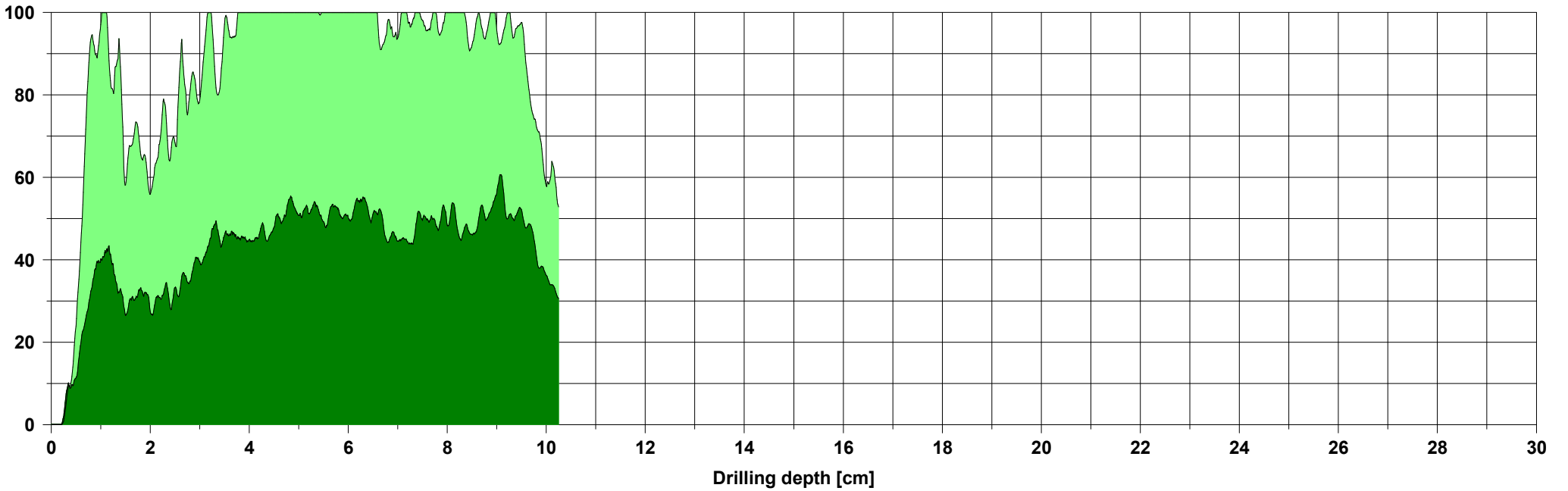
### Assessment

### Comment

### Measuring / object data

Measurement no.:	72	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.11.6A	Needle state:	---	Level	:
Drilling depth	: 10,25 cm	Tilt	: +46°	Direction:	
Date	: 01.04.2025	Offset	: 99 / 253	Species	:
Time	: 13:52:25	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



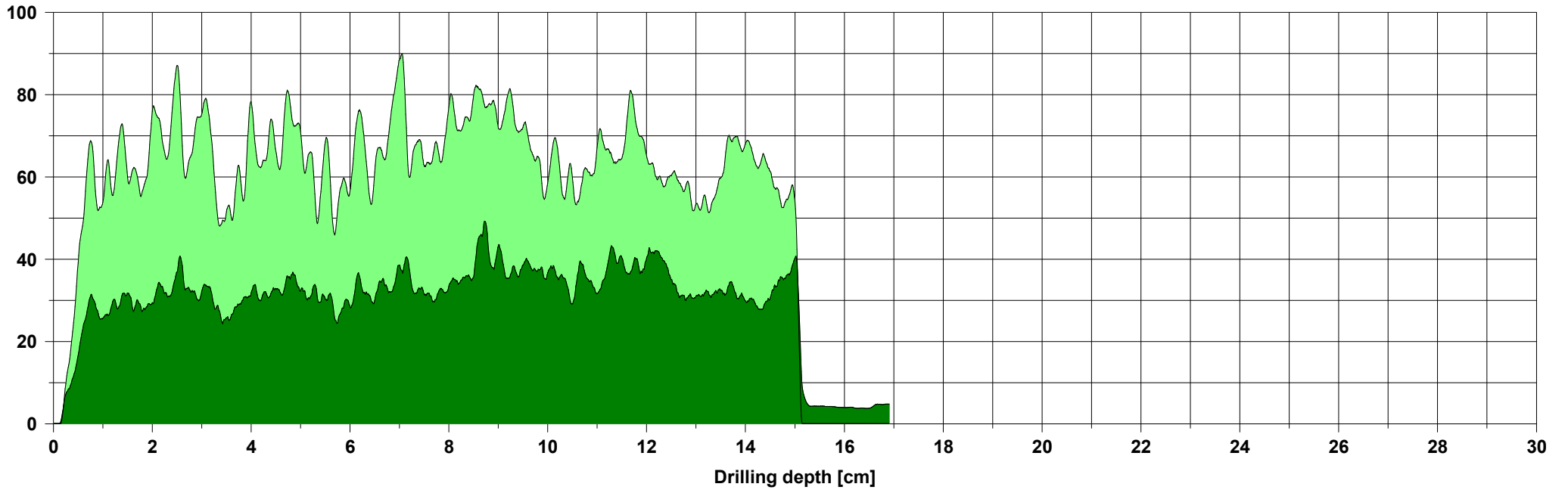
### Assessment

### Comment

### Measuring / object data

Measurement no.:	73	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.12.2A	Needle state:	---	Level	:
Drilling depth	: 16,91 cm	Tilt	: +2°	Direction:	
Date	: 01.04.2025	Offset	: 94 / 247	Species	:
Time	: 14:12:08	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



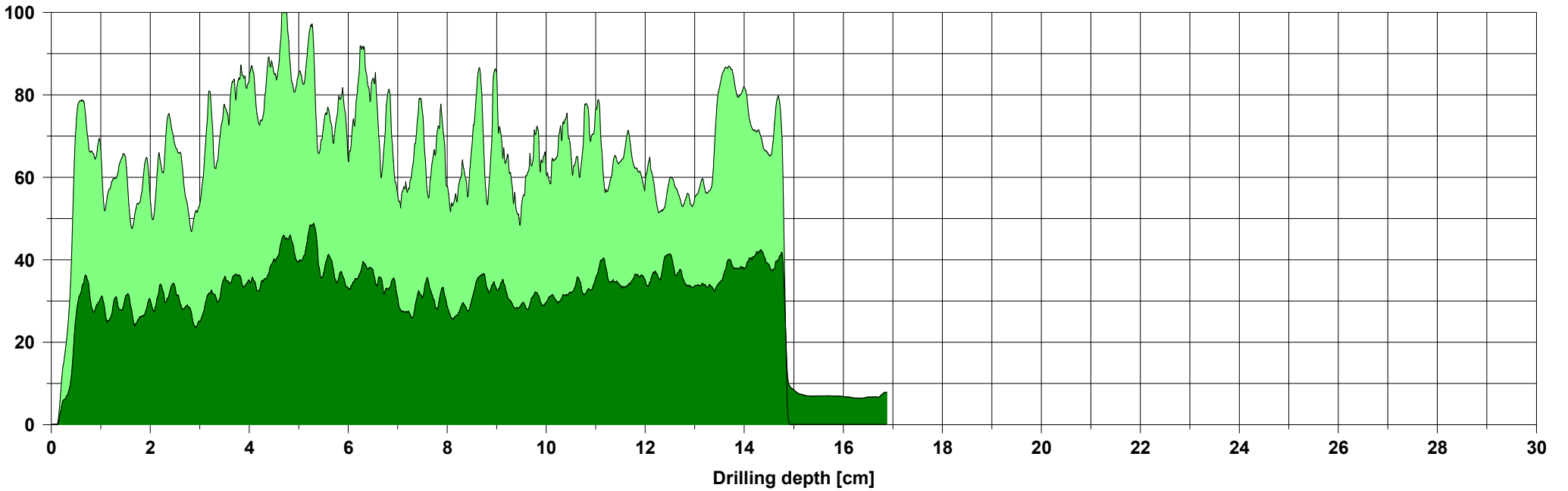
### Assessment

### Comment

### Measuring / object data

Measurement no.:	74	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.12.2B	Needle state:	---	Level	:
Drilling depth	: 16,88 cm	Tilt	: +3°	Direction:	
Date	: 01.04.2025	Offset	: 93 / 246	Species	:
Time	: 14:13:17	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



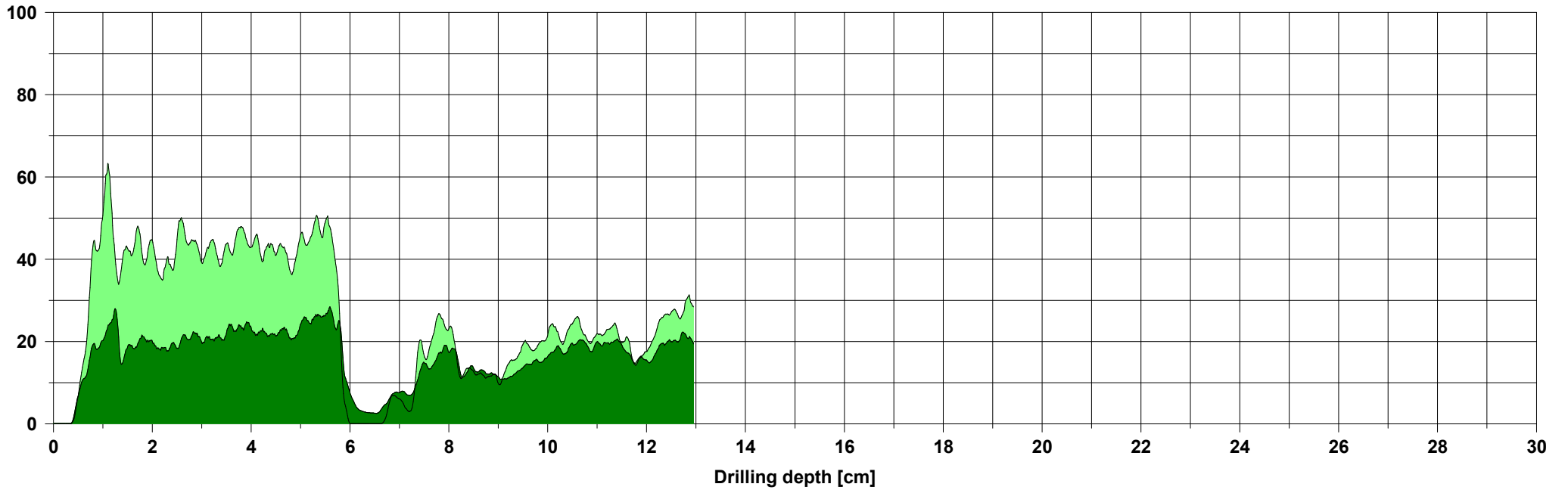
### Assessment

### Comment

### Measuring / object data

Measurement no.:	75	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.12.3A	Needle state:	---	Level	:
Drilling depth	: 12,95 cm	Tilt	: +47°	Direction:	
Date	: 01.04.2025	Offset	: 103 / 247	Species	:
Time	: 14:14:12	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



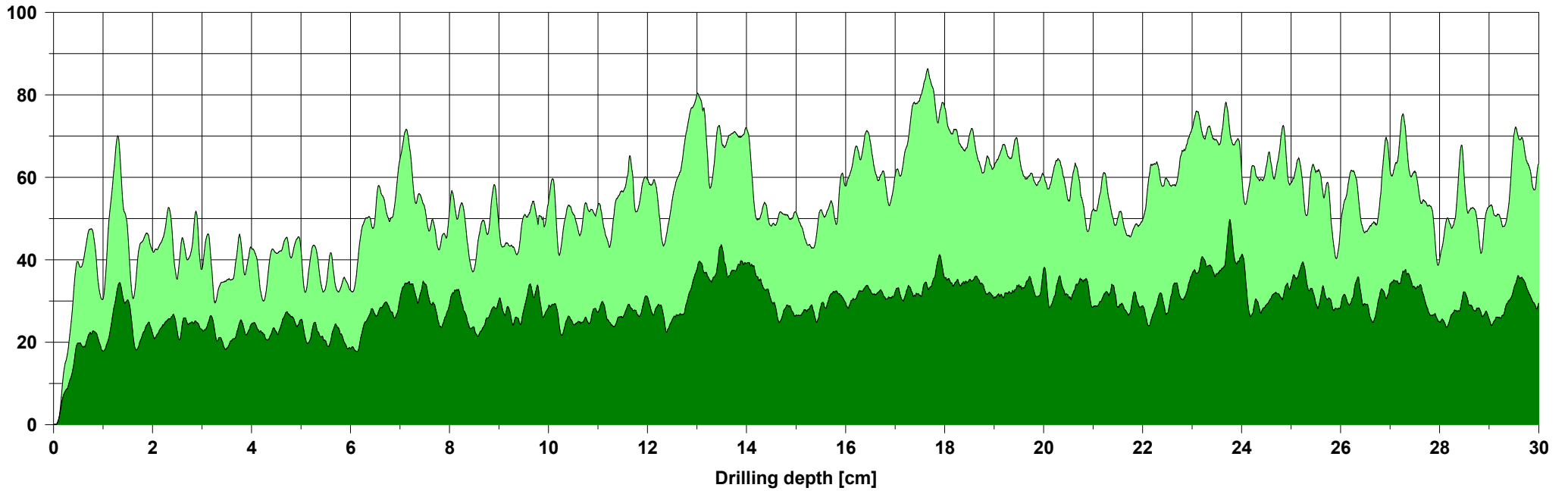
### Assessment

### Comment

### Measuring / object data

Measurement no.:	76	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.12.5A5	Needle state:	---	Level	:
Drilling depth	: 31,65 cm	Tilt	: +90°	Direction:	
Date	: 01.04.2025	Offset	: 111 / 242	Species	:
Time	: 14:18:42	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



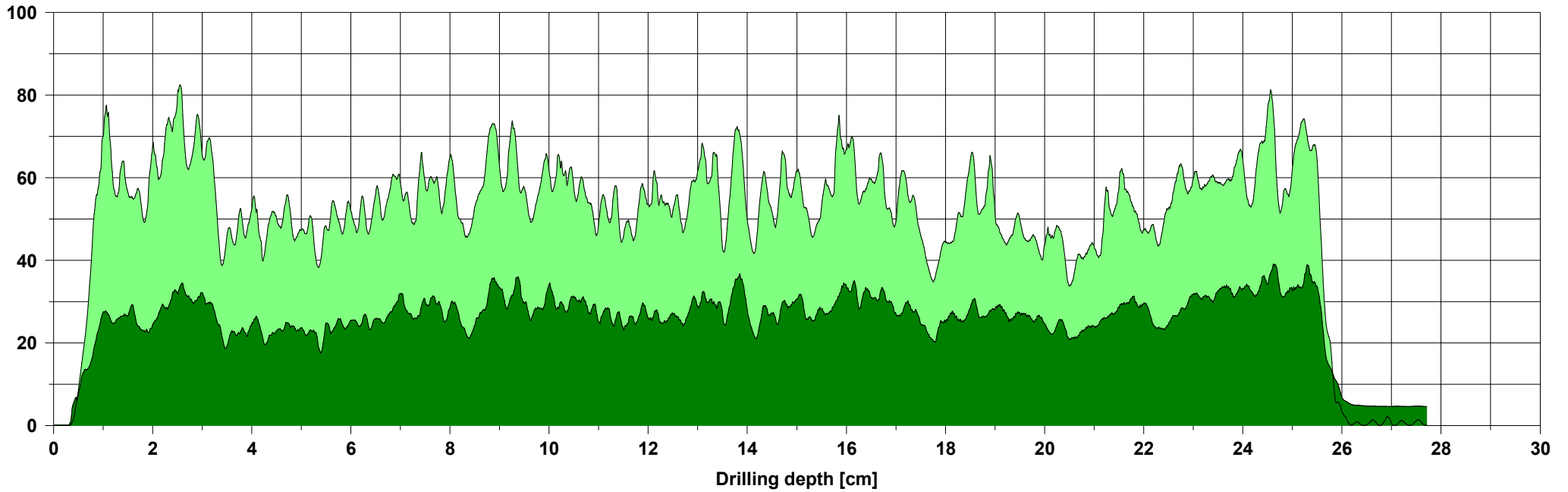
### Assessment

### Comment

### Measuring / object data

Measurement no.:	77	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.12.6A	Needle state:	---	Level	:
Drilling depth	: 27,71 cm	Tilt	: +46°	Direction:	
Date	: 01.04.2025	Offset	: 103 / 245	Species	:
Time	: 14:20:11	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



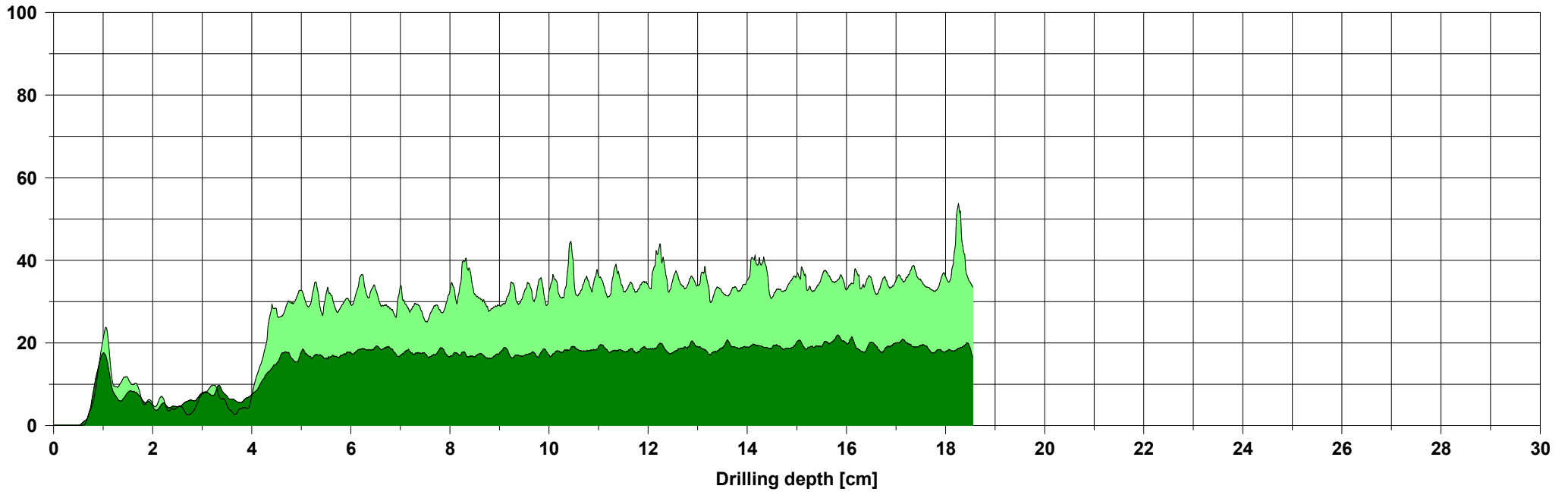
### Assessment

### Comment

### Measuring / object data

Measurement no.:	78	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.13.1A	Needle state:	---	Level	:
Drilling depth	: 18,55 cm	Tilt	: +46°	Direction:	
Date	: 01.04.2025	Offset	: 106 / 252	Species	:
Time	: 14:36:58	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



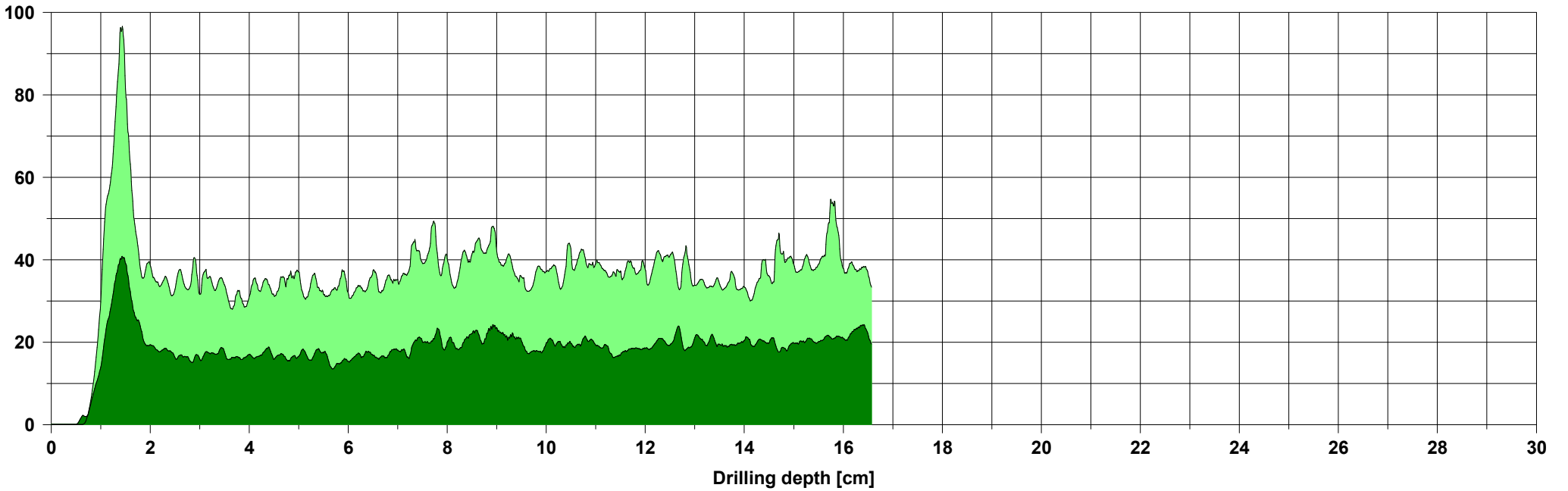
### Assessment

### Comment

### Measuring / object data

Measurement no.:	79	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.13.1AO	Needle state:	---	Level	:
Drilling depth	: 16,57 cm	Tilt	: +47°	Direction:	
Date	: 01.04.2025	Offset	: 103 / 254	Species	:
Time	: 14:37:59	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



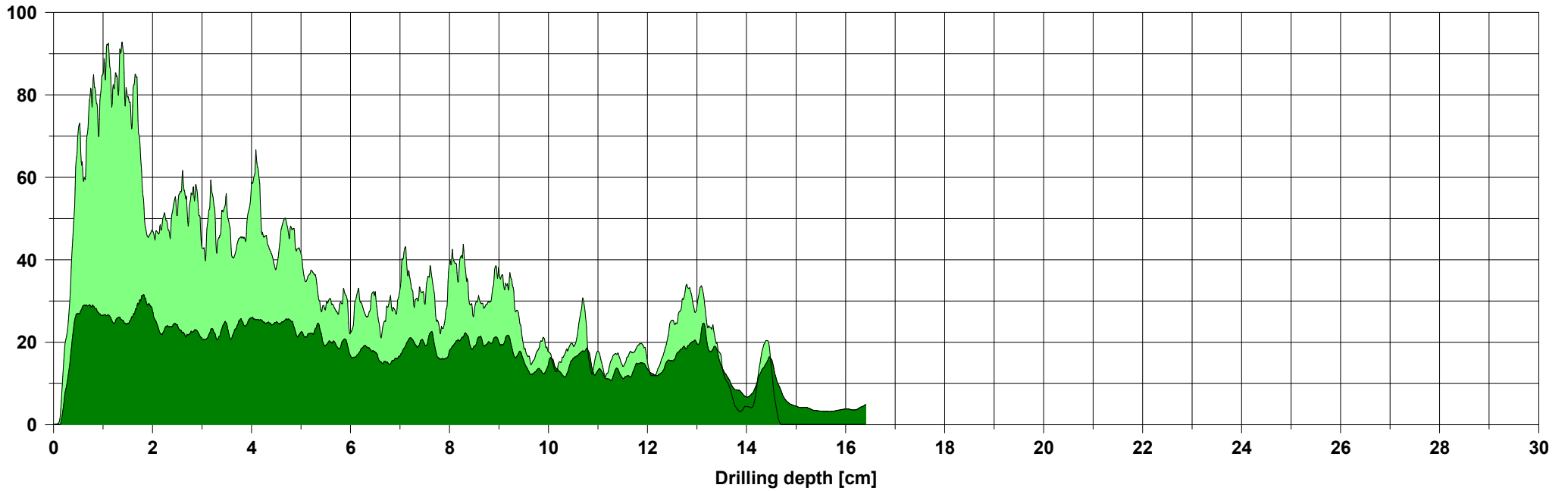
### Assessment

### Comment

### Measuring / object data

Measurement no.:	80	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.13.2A	Needle state:	---	Level	:
Drilling depth	: 16,41 cm	Tilt	: +3°	Direction:	
Date	: 01.04.2025	Offset	: 92 / 261	Species	:
Time	: 14:30:42	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



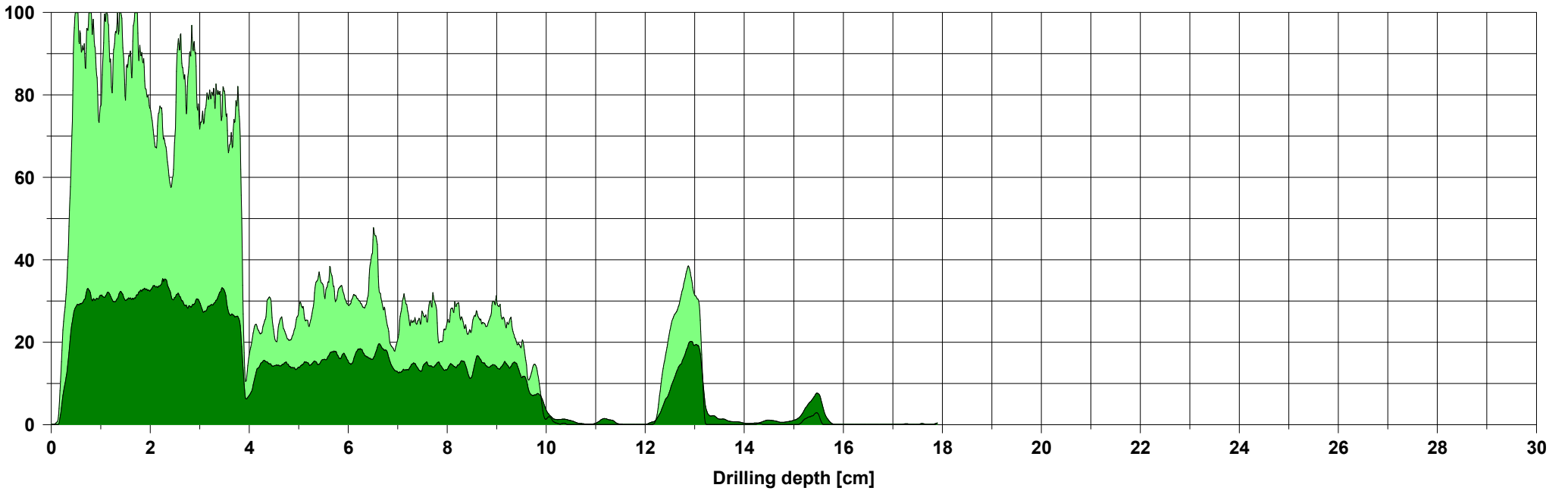
### Assessment

### Comment

### Measuring / object data

Measurement no.:	81	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.13.2B	Needle state:	---	Level	:
Drilling depth	: 17,90 cm	Tilt	: +2°	Direction:	
Date	: 01.04.2025	Offset	: 92 / 254	Species	:
Time	: 14:32:34	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



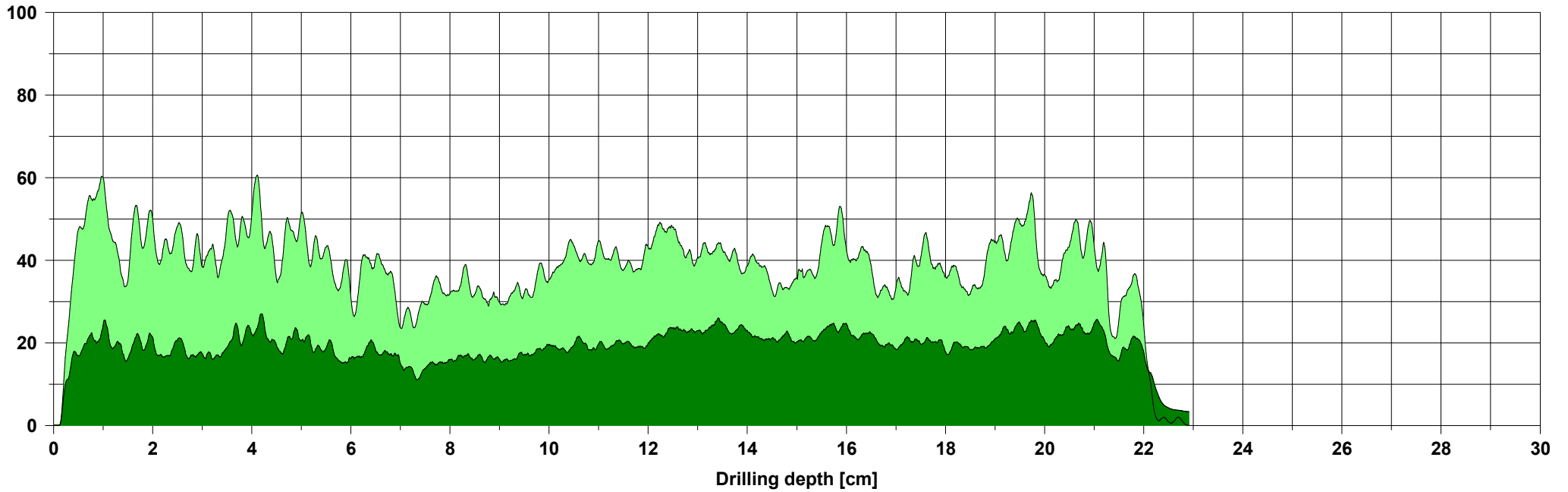
### Assessment

### Comment

### Measuring / object data

Measurement no.:	82	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.13.4A12	Needle state:	---	Level	:
Drilling depth	: 22,91 cm	Tilt	: +90°	Direction:	
Date	: 01.04.2025	Offset	: 111 / 255	Species	:
Time	: 14:26:59	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



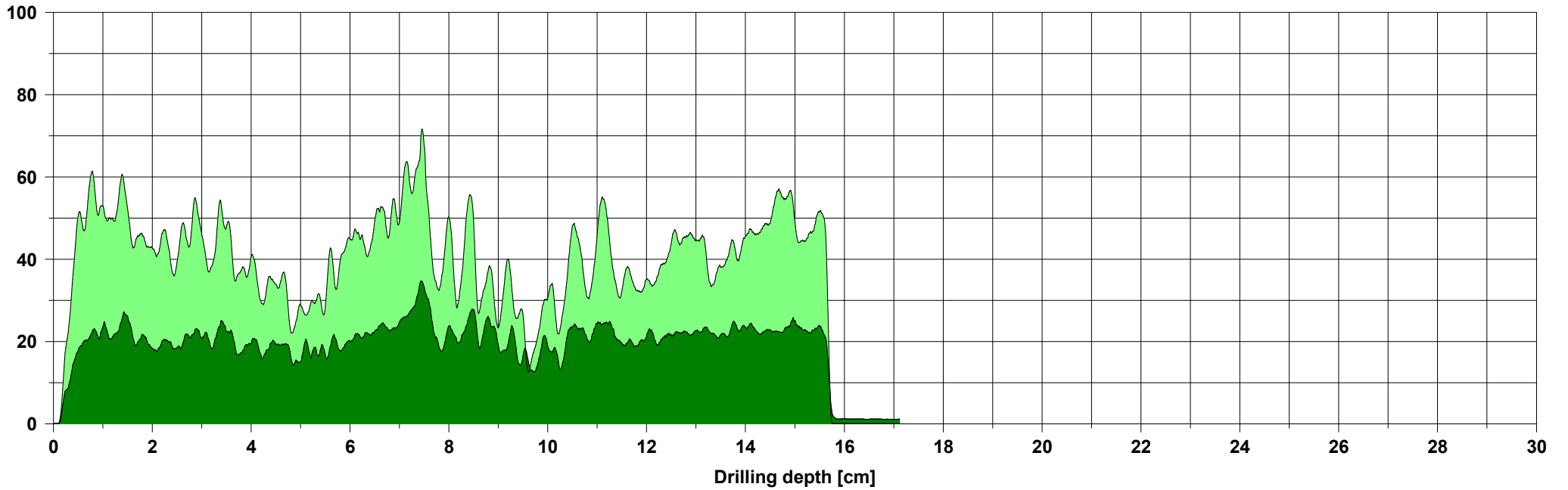
Assessment

Comment

### Measuring / object data

Measurement no.:	83	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.13.5A	Needle state:	---	Level	:
Drilling depth	: 17,12 cm	Tilt	: -2°	Direction:	
Date	: 01.04.2025	Offset	: 88 / 255	Species	:
Time	: 14:24:40	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



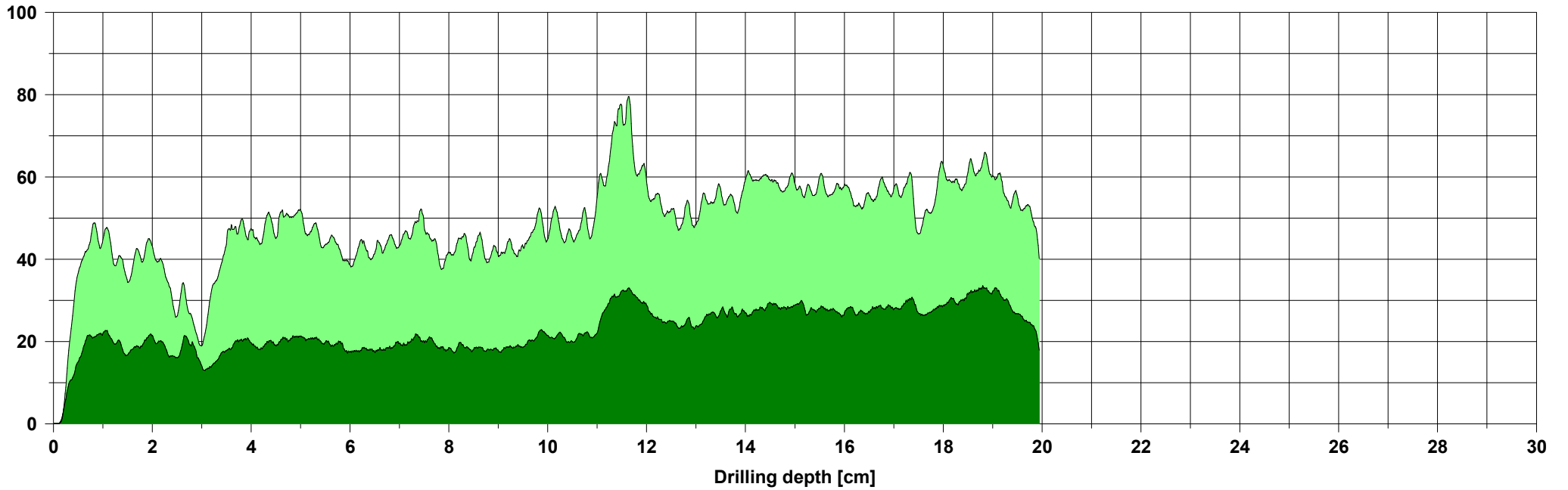
### Assessment

### Comment

### Measuring / object data

Measurement no.:	84	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.13.6A	Needle state:	---	Level	:
Drilling depth	: 19,94 cm	Tilt	: +52°	Direction:	
Date	: 01.04.2025	Offset	: 101 / 252	Species	:
Time	: 14:21:44	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



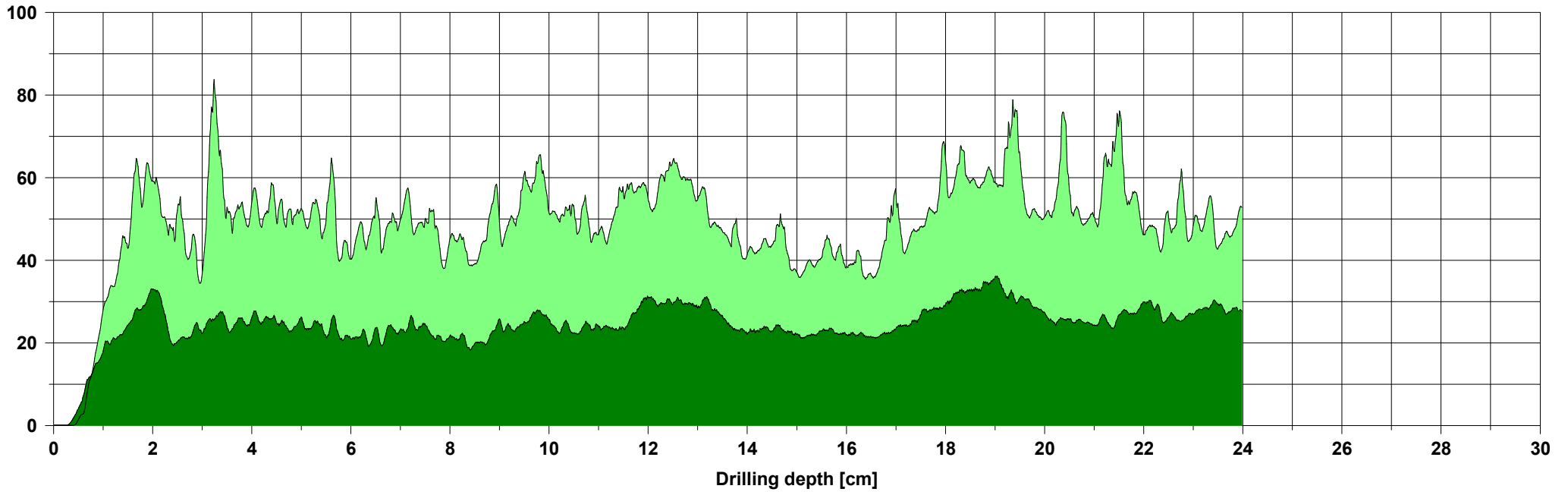
### Assessment

### Comment

### Measuring / object data

Measurement no.:	85	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.14.1A	Needle state:	---	Level	:
Drilling depth	: 23,98 cm	Tilt	: +45°	Direction:	
Date	: 01.04.2025	Offset	: 104 / 253	Species	:
Time	: 14:40:47	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



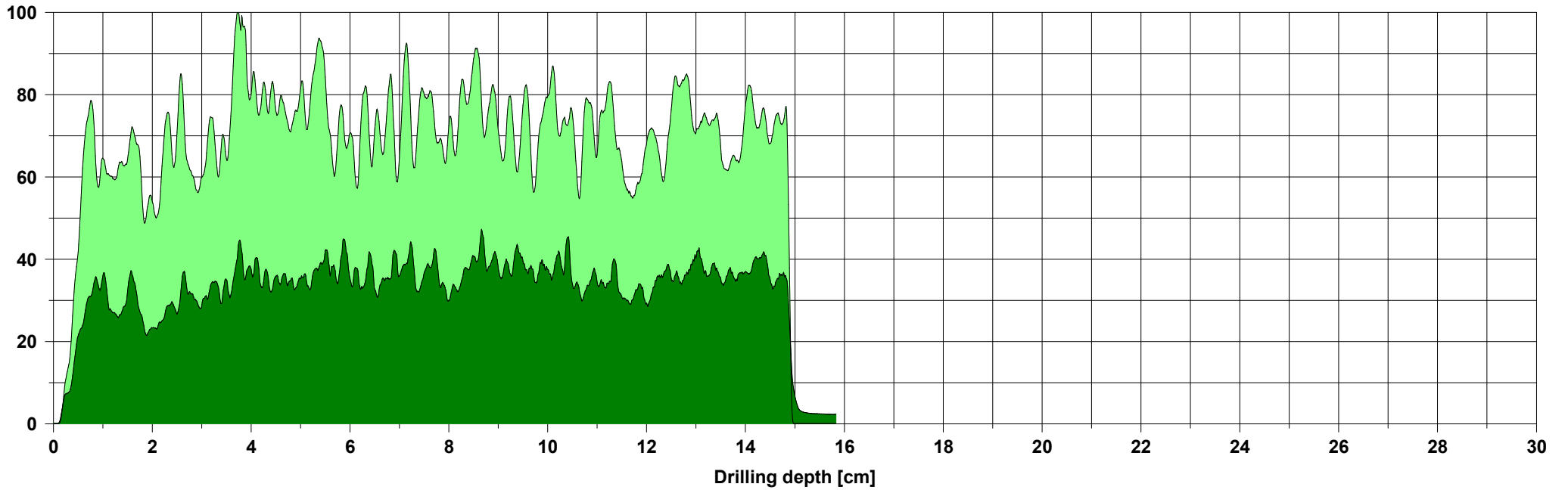
### Assessment

### Comment

### Measuring / object data

Measurement no.:	86	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.14.2A	Needle state:	---	Level	:
Drilling depth	: 15,83 cm	Tilt	: -1°	Direction:	
Date	: 01.04.2025	Offset	: 88 / 252	Species	:
Time	: 14:42:58	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



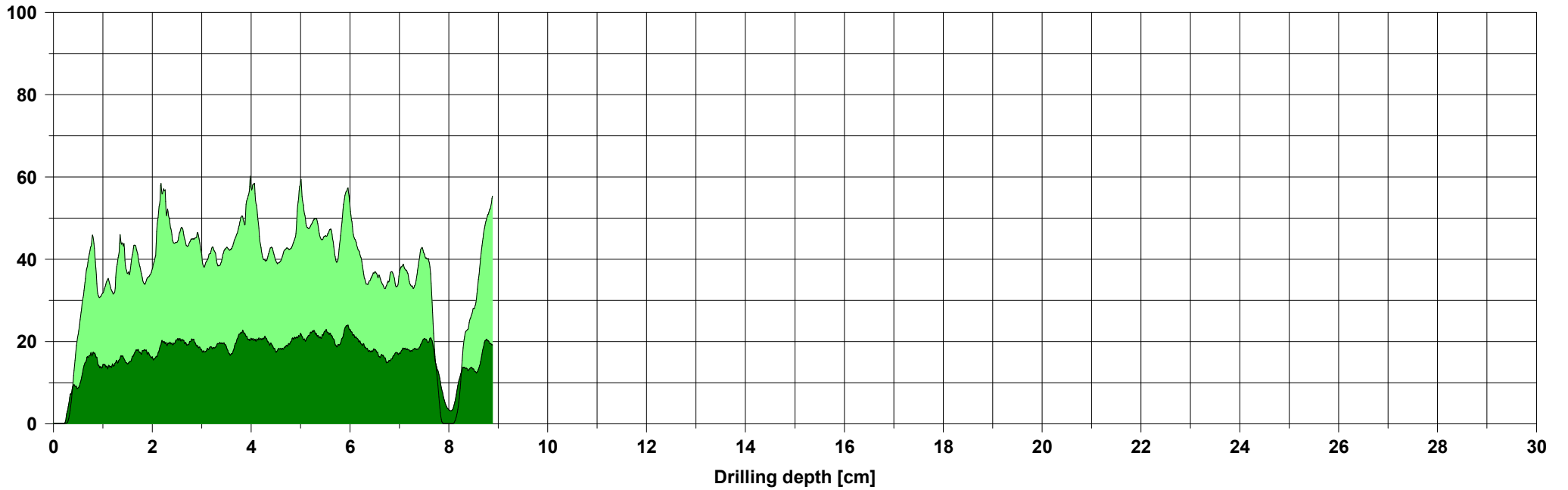
### Assessment

### Comment

### Measuring / object data

Measurement no.:	87	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.14.3A	Needle state:	---	Level	:
Drilling depth	: 8,88 cm	Tilt	: +51°	Direction:	
Date	: 01.04.2025	Offset	: 103 / 253	Species	:
Time	: 14:47:10	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



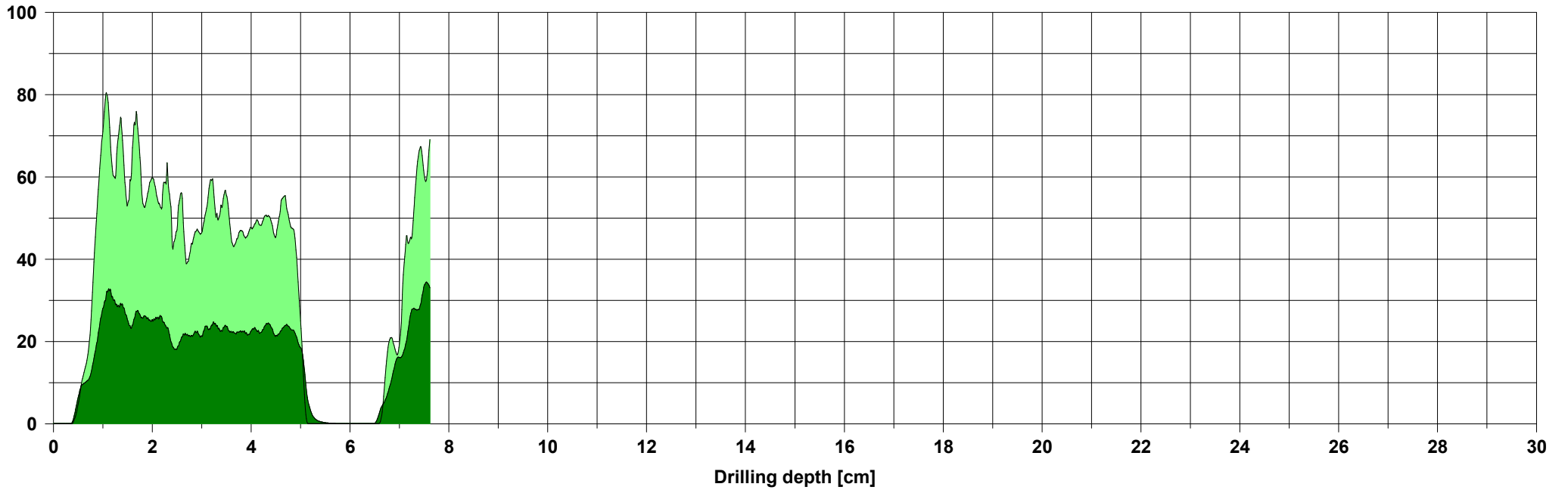
### Assessment

### Comment

### Measuring / object data

Measurement no.:	88	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.14.4A	Needle state:	---	Level	:
Drilling depth	: 7,62 cm	Tilt	: +50°	Direction:	
Date	: 01.04.2025	Offset	: 98 / 254	Species	:
Time	: 14:44:03	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



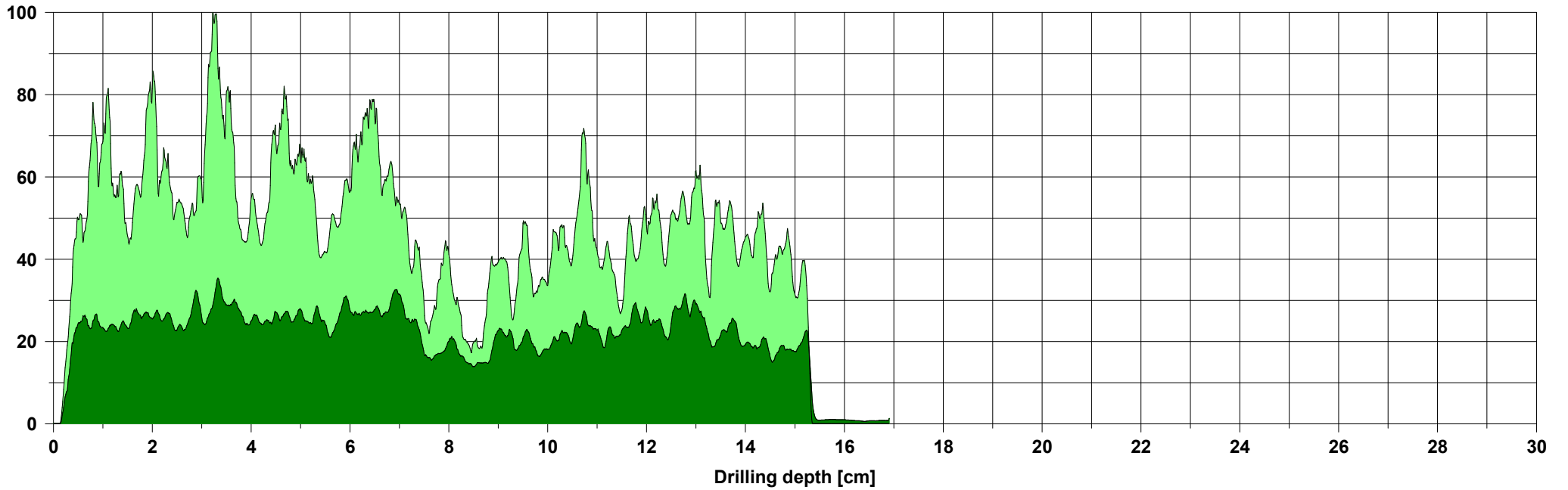
### Assessment

### Comment

### Measuring / object data

Measurement no.:	89	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.14.5A	Needle state:	---	Level	:
Drilling depth	: 16,91 cm	Tilt	: +2°	Direction:	
Date	: 01.04.2025	Offset	: 96 / 254	Species	:
Time	: 14:45:47	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



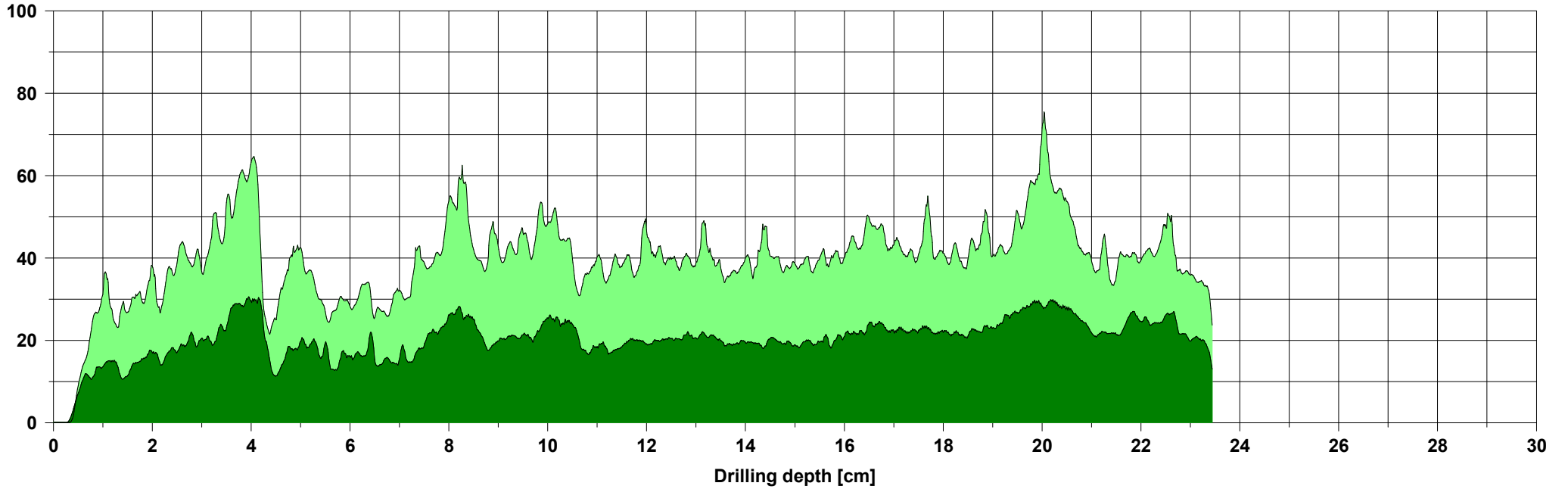
### Assessment

### Comment

### Measuring / object data

Measurement no.:	90	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.14.6A	Needle state:	---	Level	:
Drilling depth	: 23,44 cm	Tilt	: +46°	Direction:	
Date	: 01.04.2025	Offset	: 102 / 251	Species	:
Time	: 14:49:21	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



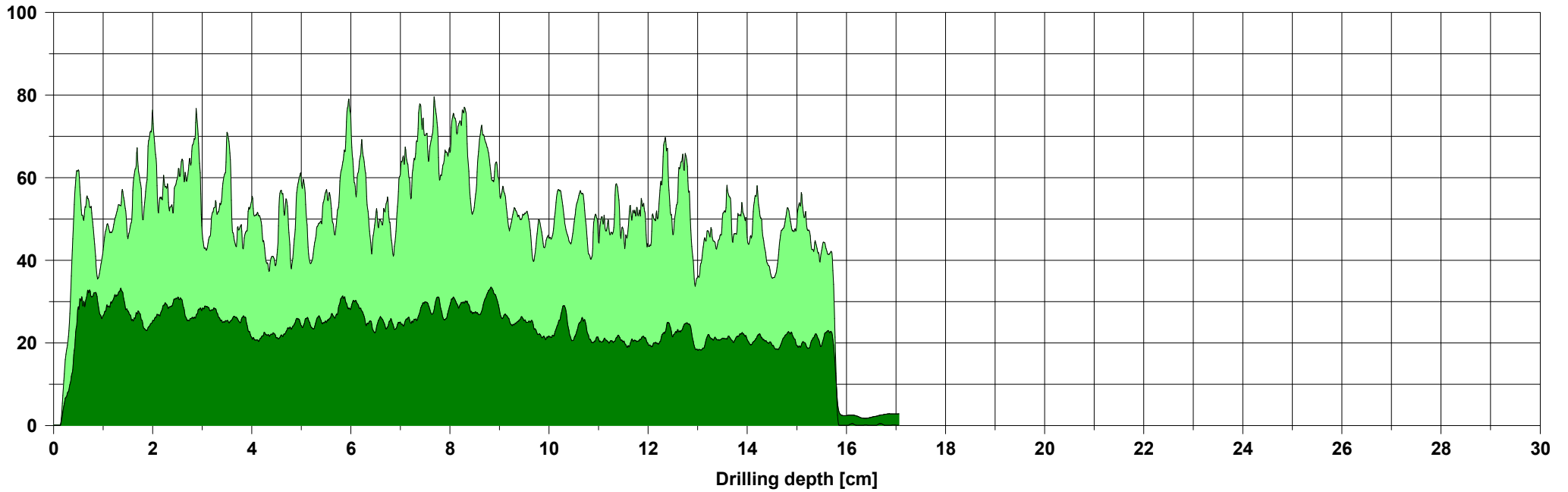
### Assessment

### Comment

### Measuring / object data

Measurement no.:	91	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.15.2A	Needle state:	---	Level	:
Drilling depth	: 17,06 cm	Tilt	: +3°	Direction:	
Date	: 01.04.2025	Offset	: 94 / 254	Species	:
Time	: 14:55:35	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



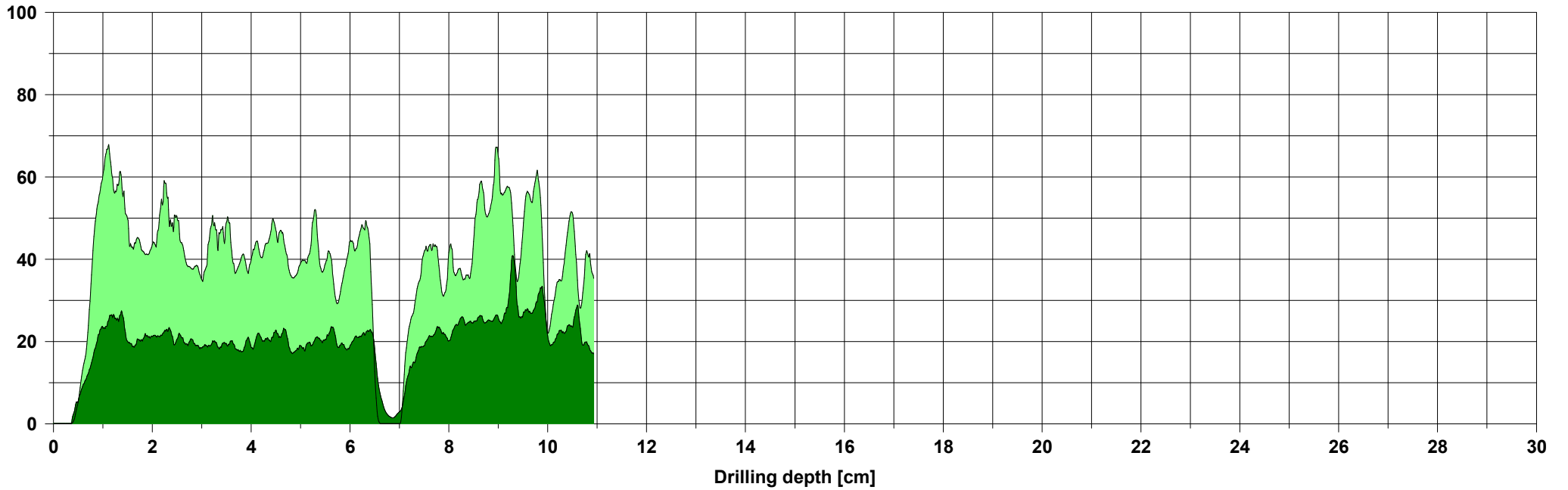
### Assessment

### Comment

### Measuring / object data

Measurement no.:	92	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.15.3A	Needle state:	---	Level	:
Drilling depth	: 10,93 cm	Tilt	: +52°	Direction:	
Date	: 01.04.2025	Offset	: 103 / 253	Species	:
Time	: 14:54:23	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



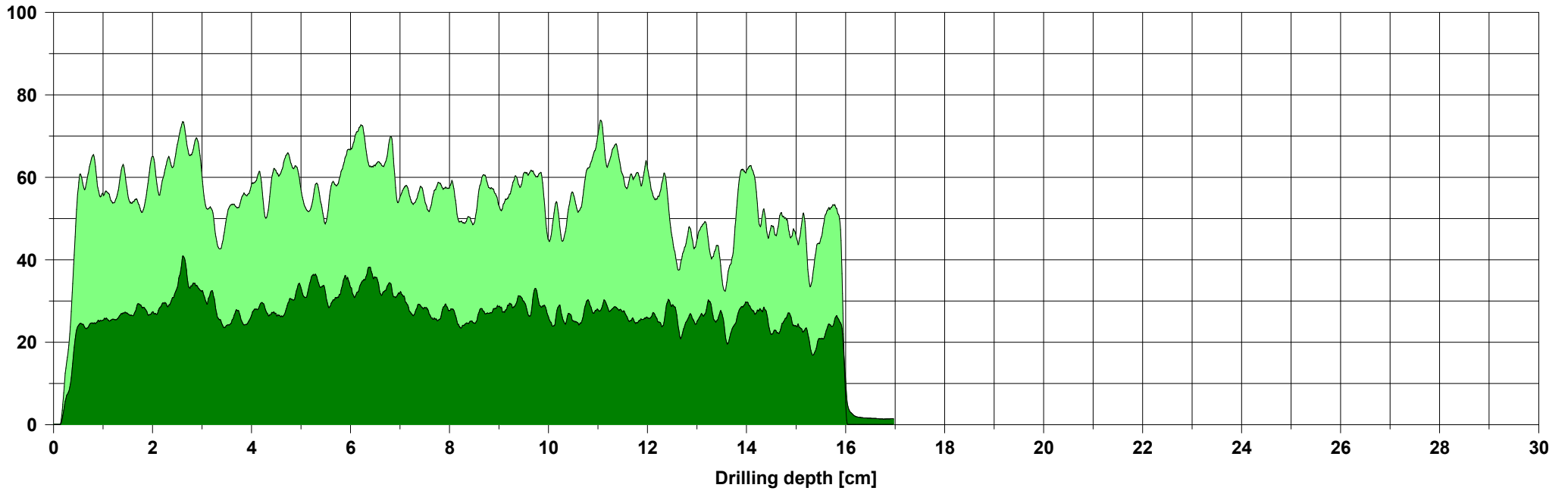
### Assessment

### Comment

### Measuring / object data

Measurement no.:	93	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.15.5A	Needle state:	---	Level	:
Drilling depth	: 16,97 cm	Tilt	: 0°	Direction:	
Date	: 01.04.2025	Offset	: 88 / 258	Species	:
Time	: 14:53:39	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



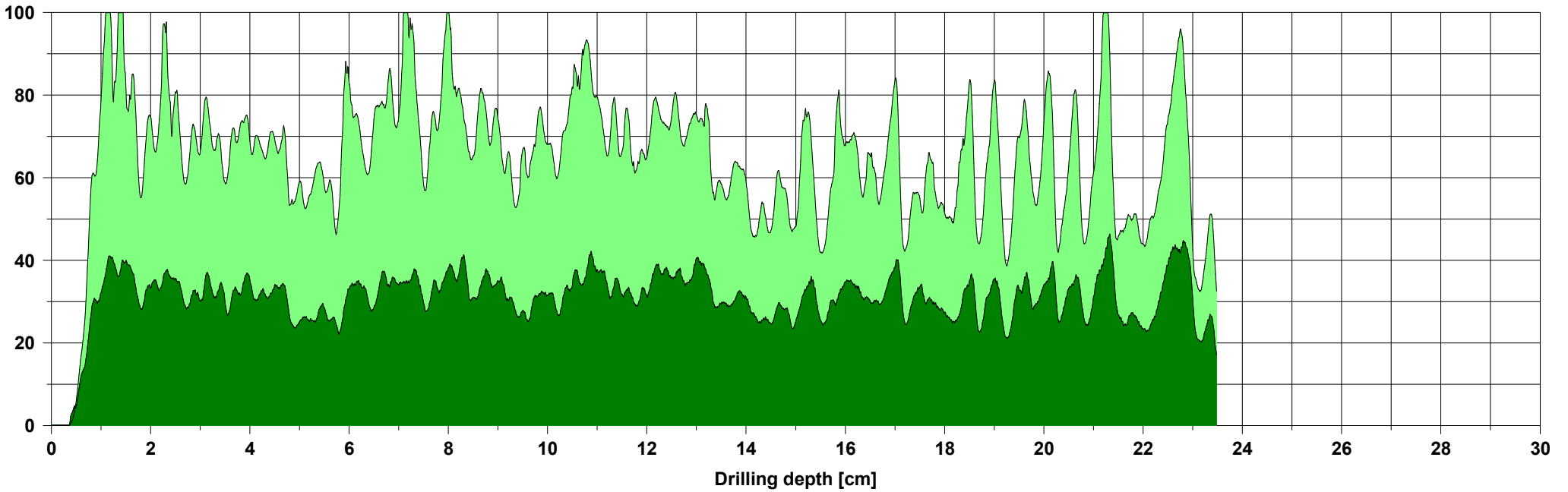
### Assessment

### Comment

### Measuring / object data

Measurement no.:	94	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.15.6A	Needle state:	---	Level	:
Drilling depth	: 23,48 cm	Tilt	: +45°	Direction:	
Date	: 01.04.2025	Offset	: 98 / 251	Species	:
Time	: 14:51:06	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



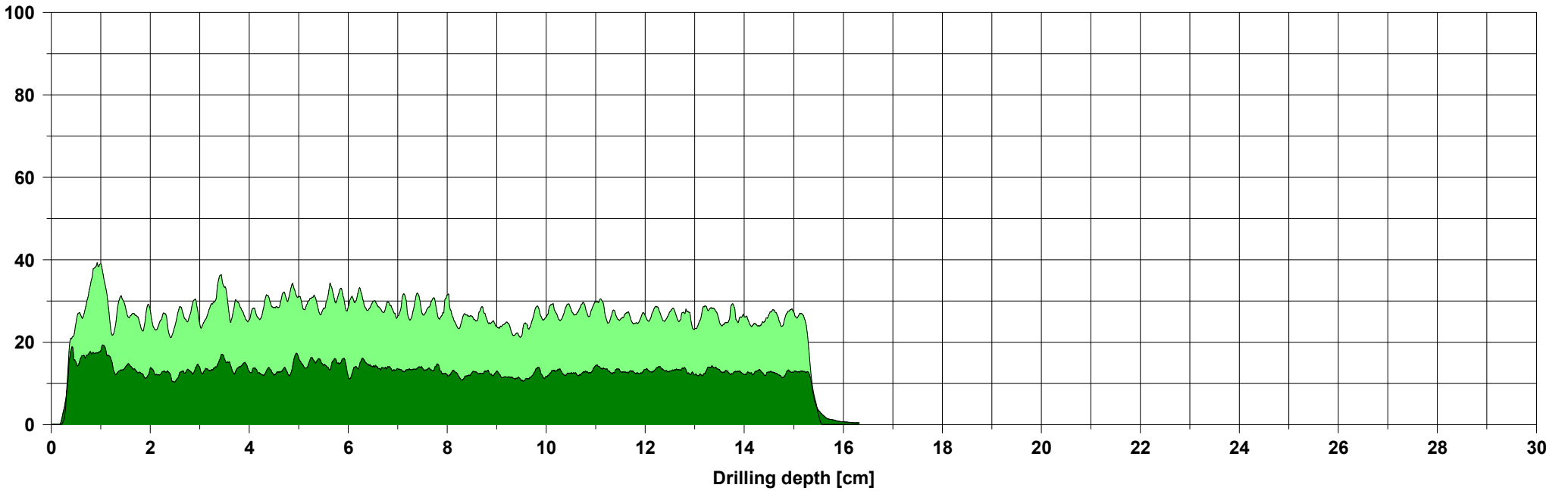
### Assessment

### Comment

### Measuring / object data

Measurement no.:	95	Speed	: 2500 r/min	Diameter:	
ID number	: BR.R.16.1(RP)A	Needle state:	---	Level	:
Drilling depth	: 16,32 cm	Tilt	: +53°	Direction:	
Date	: 01.04.2025	Offset	: 105 / 246	Species	:
Time	: 15:02:29	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



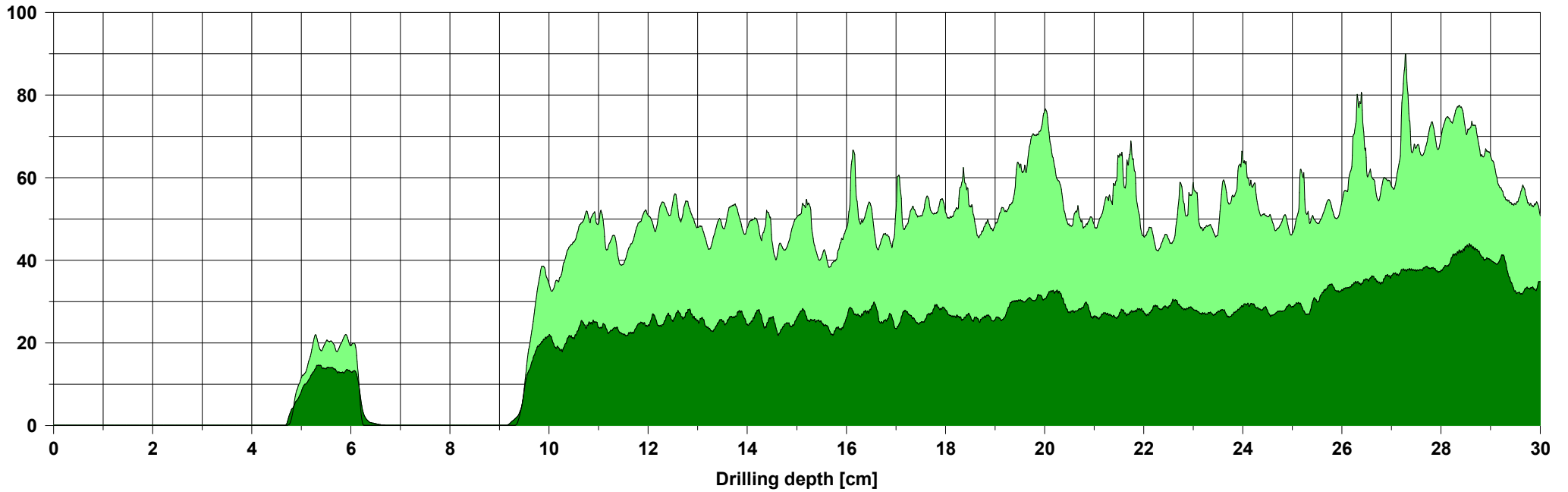
### Assessment

### Comment

### Measuring / object data

Measurement no.:	96	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.1.1A	Needle state:	---	Level	:
Drilling depth	: 39,79 cm	Tilt	: +48°	Direction:	
Date	: 02.04.2025	Offset	: 106 / 260	Species	:
Time	: 08:53:45	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



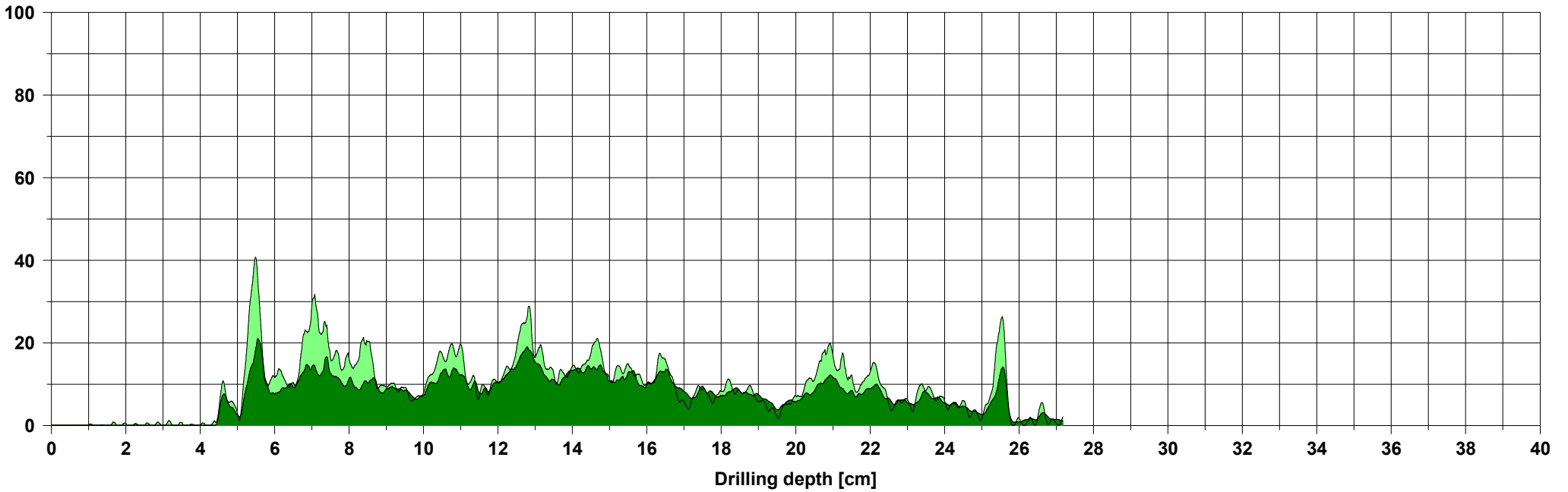
Assessment

Comment

### Measuring / object data

Measurement no.:	97	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.1.2A	Needle state:	---	Level	:
Drilling depth	: 27,18 cm	Tilt	: +1°	Direction:	
Date	: 02.04.2025	Offset	: 98 / 265	Species	:
Time	: 08:46:35	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



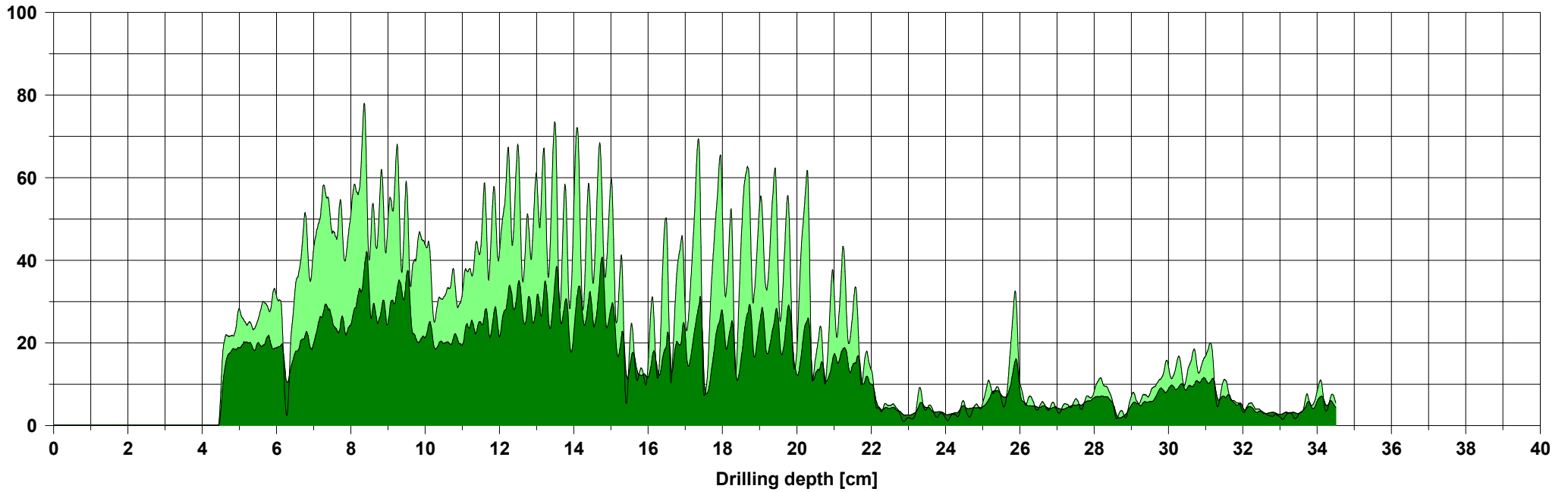
### Assessment

### Comment

### Measuring / object data

Measurement no.:	98	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.1.2A10	Needle state:	---	Level	:
Drilling depth	: 34,50 cm	Tilt	: +90°	Direction:	
Date	: 02.04.2025	Offset	: 114 / 259	Species	:
Time	: 08:48:01	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



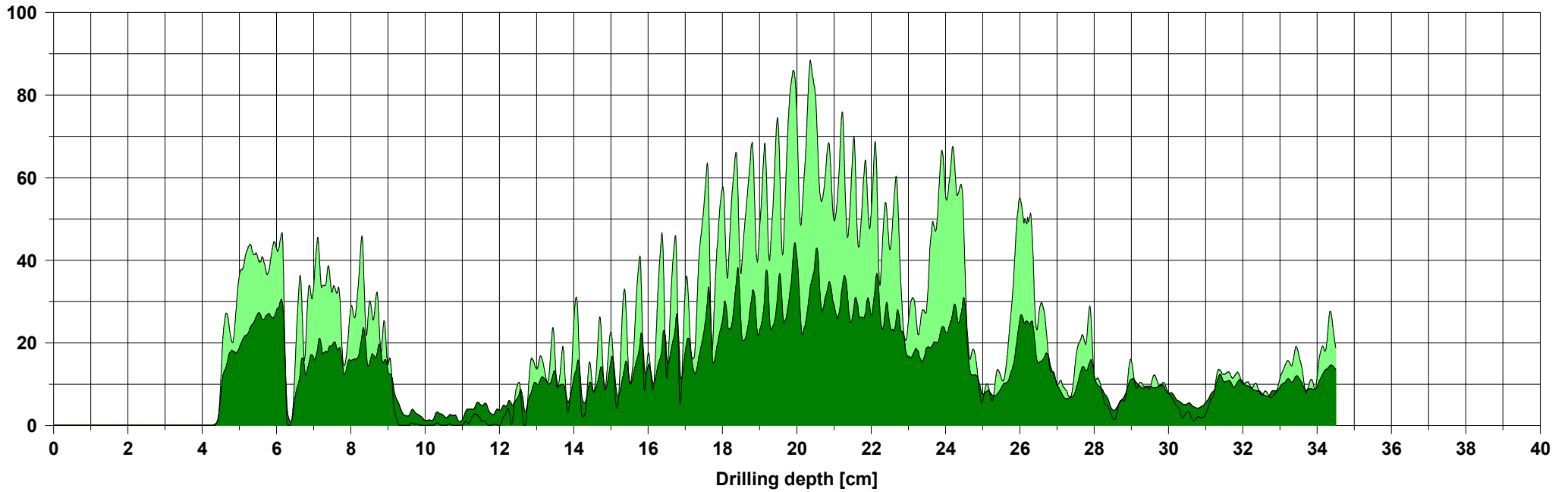
### Assessment

### Comment

### Measuring / object data

Measurement no.:	99	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.1.2A20	Needle state:	---	Level	:
Drilling depth	: 34,50 cm	Tilt	: +90°	Direction:	
Date	: 02.04.2025	Offset	: 110 / 255	Species	:
Time	: 08:48:48	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

Amplitude [%]



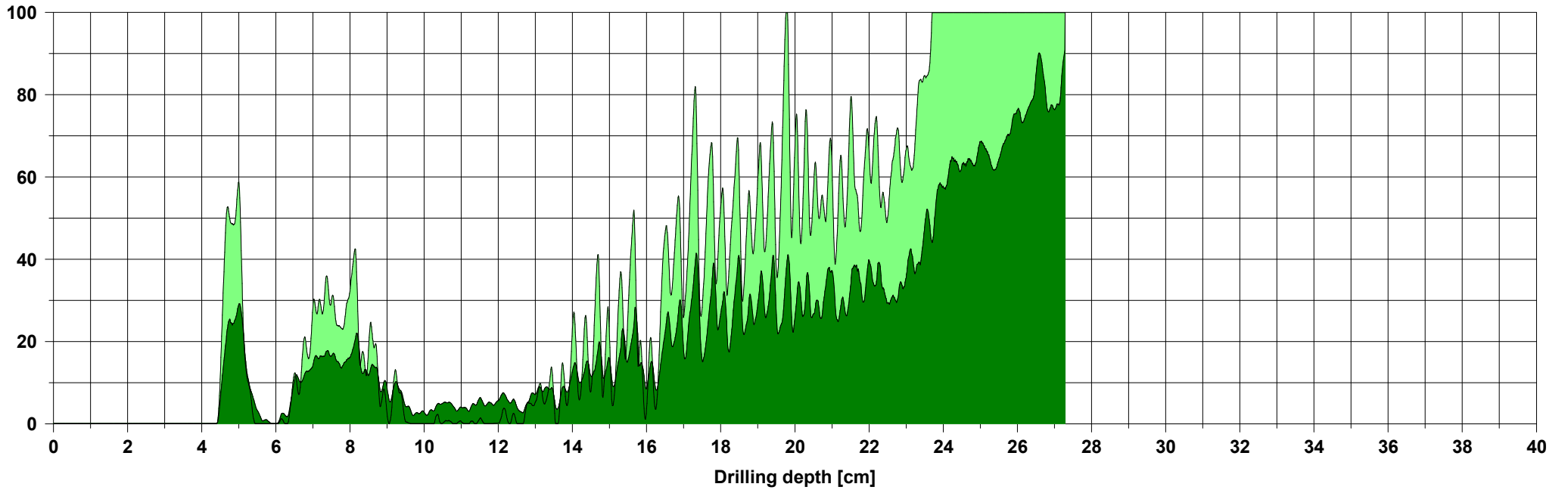
Assessment

Comment

### Measuring / object data

Measurement no.:	100	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.1.2A30	Needle state:	---	Level	:
Drilling depth	: 27,29 cm	Tilt	: +90°	Direction:	
Date	: 02.04.2025	Offset	: 116 / 252	Species	:
Time	: 08:50:17	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



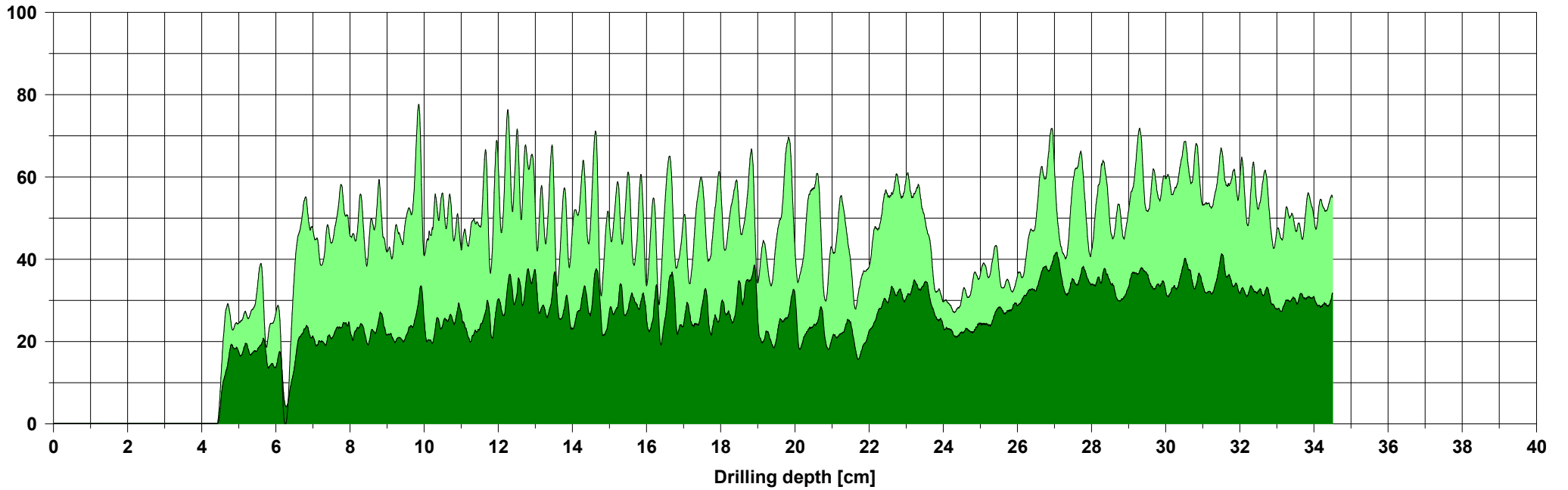
Assessment

Comment

### Measuring / object data

Measurement no.:	101	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.1.2A40	Needle state:	---	Level	:
Drilling depth	: 34,50 cm	Tilt	: +90°	Direction:	
Date	: 02.04.2025	Offset	: 115 / 258	Species	:
Time	: 08:51:56	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



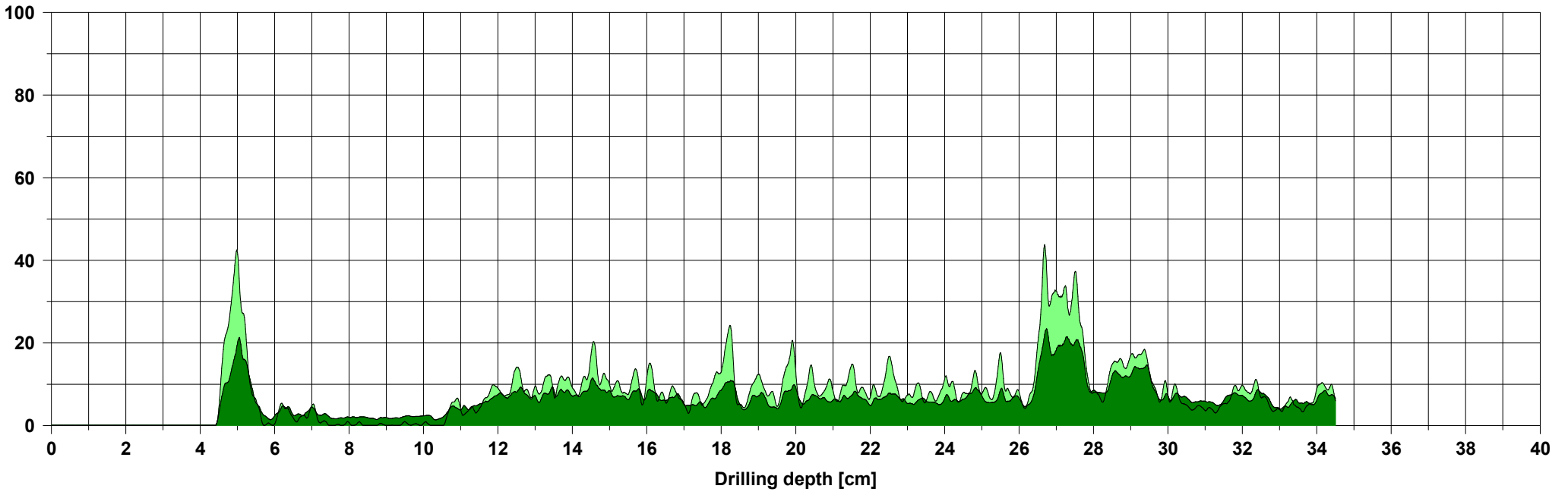
### Assessment

### Comment

### Measuring / object data

Measurement no.:	102	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.1.3A2	Needle state:	---	Level	:
Drilling depth	: 34,50 cm	Tilt	: +90°	Direction:	
Date	: 02.04.2025	Offset	: 122 / 262	Species	:
Time	: 08:42:03	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



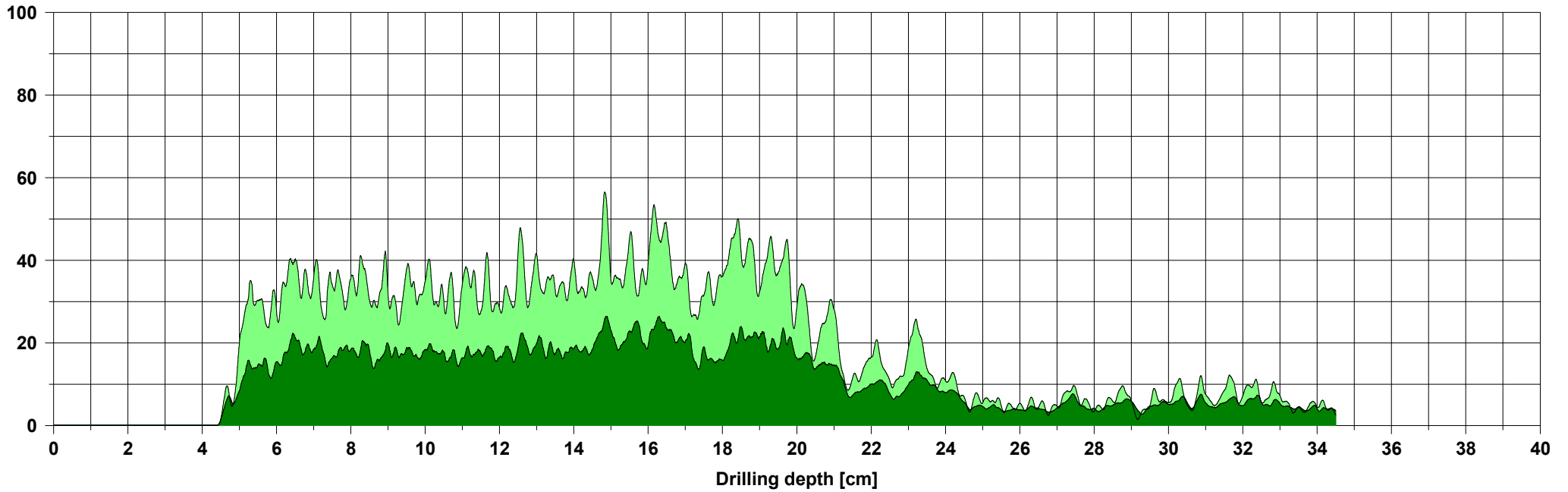
### Assessment

### Comment

### Measuring / object data

Measurement no.:	103	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.1.3A20	Needle state:	---	Level	:
Drilling depth	: 34,50 cm	Tilt	: +90°	Direction:	
Date	: 02.04.2025	Offset	: 115 / 260	Species	:
Time	: 08:43:10	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



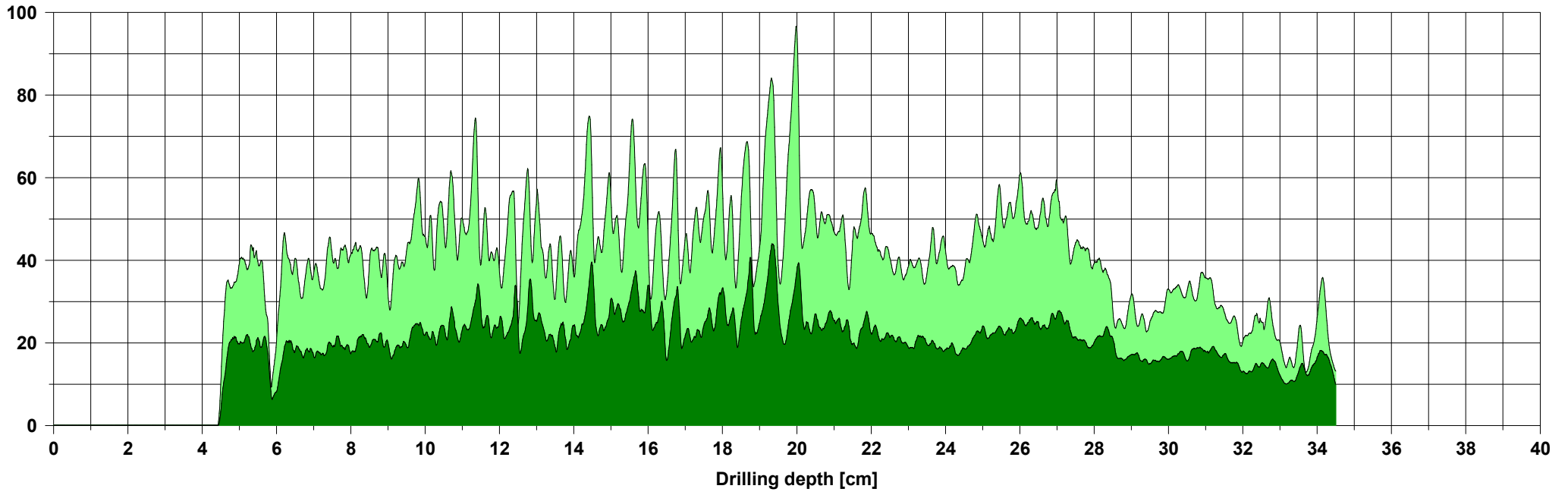
Assessment

Comment

### Measuring / object data

Measurement no.:	104	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.1.3A30	Needle state:	---	Level	:
Drilling depth	: 34,50 cm	Tilt	: +90°	Direction:	
Date	: 02.04.2025	Offset	: 112 / 256	Species	:
Time	: 08:44:11	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

Amplitude [%]



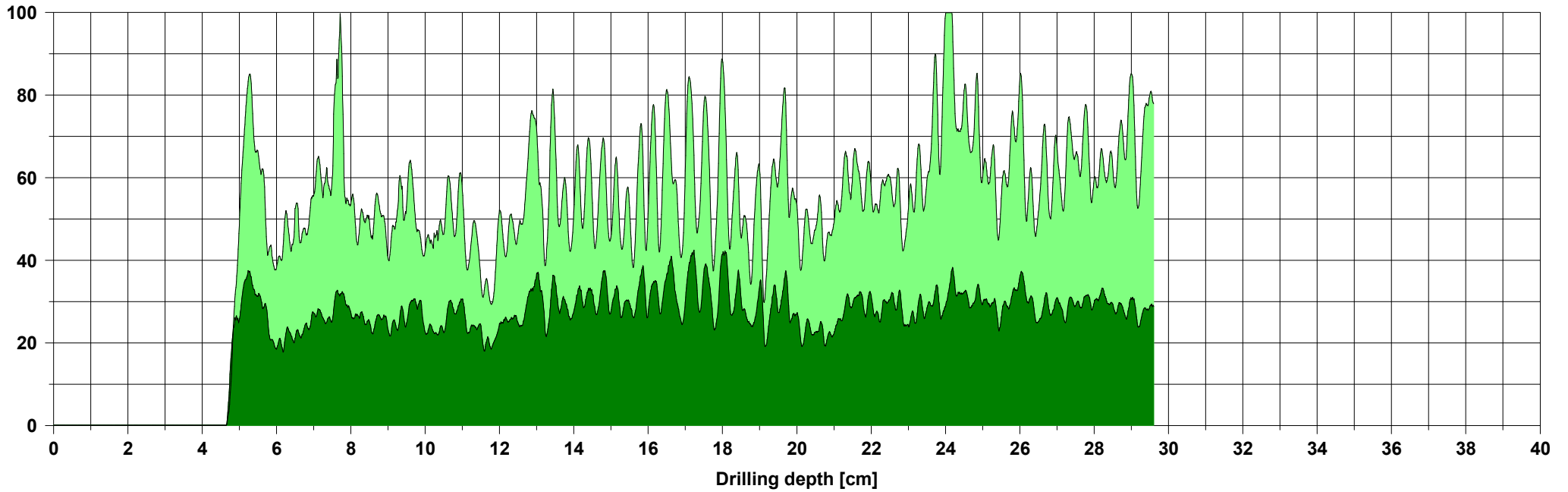
Assessment

Comment

### Measuring / object data

Measurement no.:	105	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.1.4A	Needle state:	---	Level	:
Drilling depth	: 29,60 cm	Tilt	: +46°	Direction:	
Date	: 02.04.2025	Offset	: 122 / 270	Species	:
Time	: 08:39:08	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



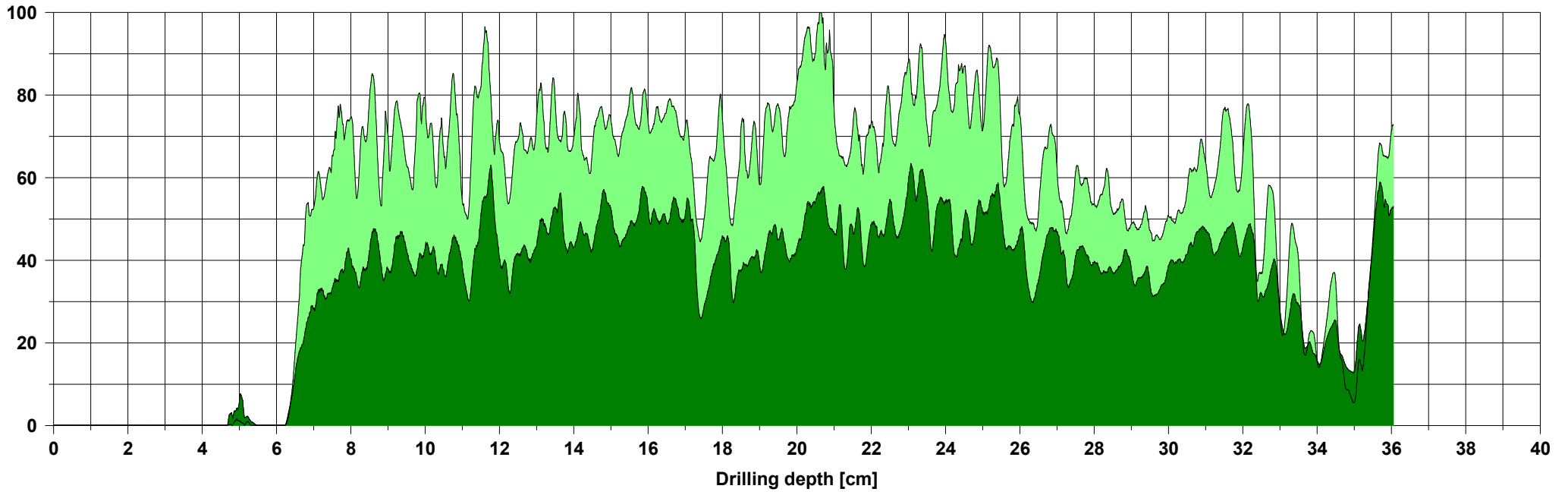
Assessment

Comment

### Measuring / object data

Measurement no.:	106	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.2.1A	Needle state:	---	Level	:
Drilling depth	: 36,05 cm	Tilt	: +45°	Direction:	
Date	: 02.04.2025	Offset	: 106 / 257	Species	:
Time	: 08:55:49	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



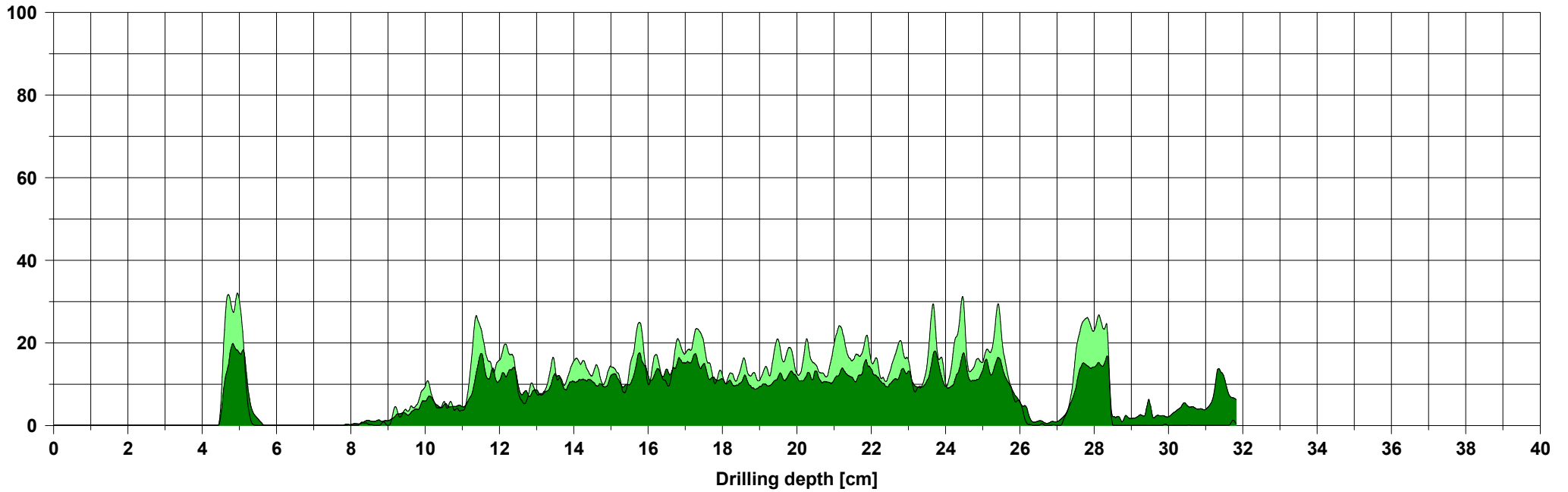
Assessment

Comment

### Measuring / object data

Measurement no.:	107	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.2.2A	Needle state:	---	Level	:
Drilling depth	: 31,82 cm	Tilt	: 0°	Direction:	
Date	: 02.04.2025	Offset	: 93 / 260	Species	:
Time	: 08:57:48	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



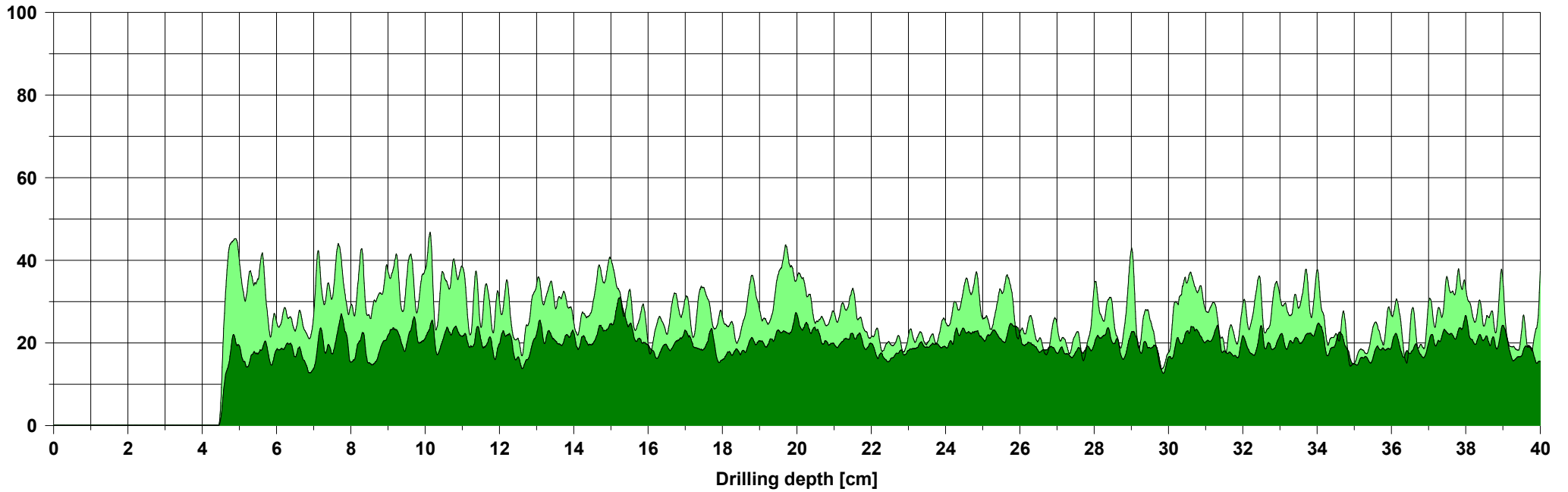
### Assessment

### Comment

### Measuring / object data

Measurement no.:	108	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.2.2A1	Needle state:	---	Level	:
Drilling depth	: 40,00 cm	Tilt	: +90°	Direction:	
Date	: 02.04.2025	Offset	: 115 / 258	Species	:
Time	: 08:59:09	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



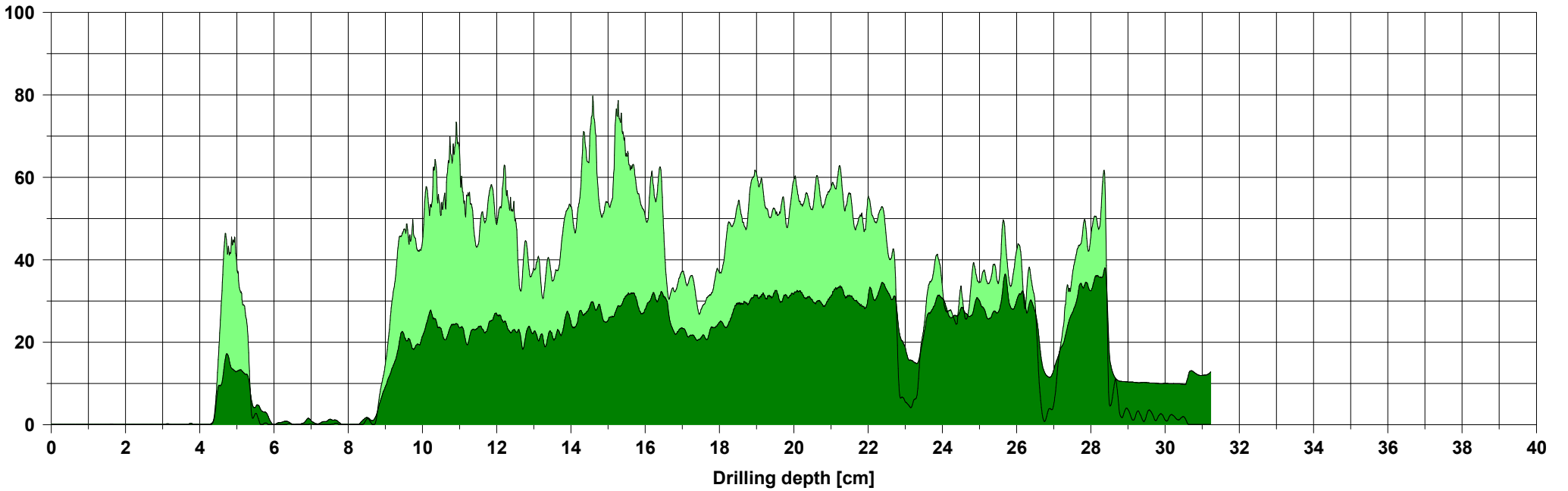
Assessment

Comment

### Measuring / object data

Measurement no.:	109	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.2.3A	Needle state:	---	Level	:
Drilling depth	: 31,23 cm	Tilt	: +2°	Direction:	
Date	: 02.04.2025	Offset	: 92 / 260	Species	:
Time	: 09:00:15	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



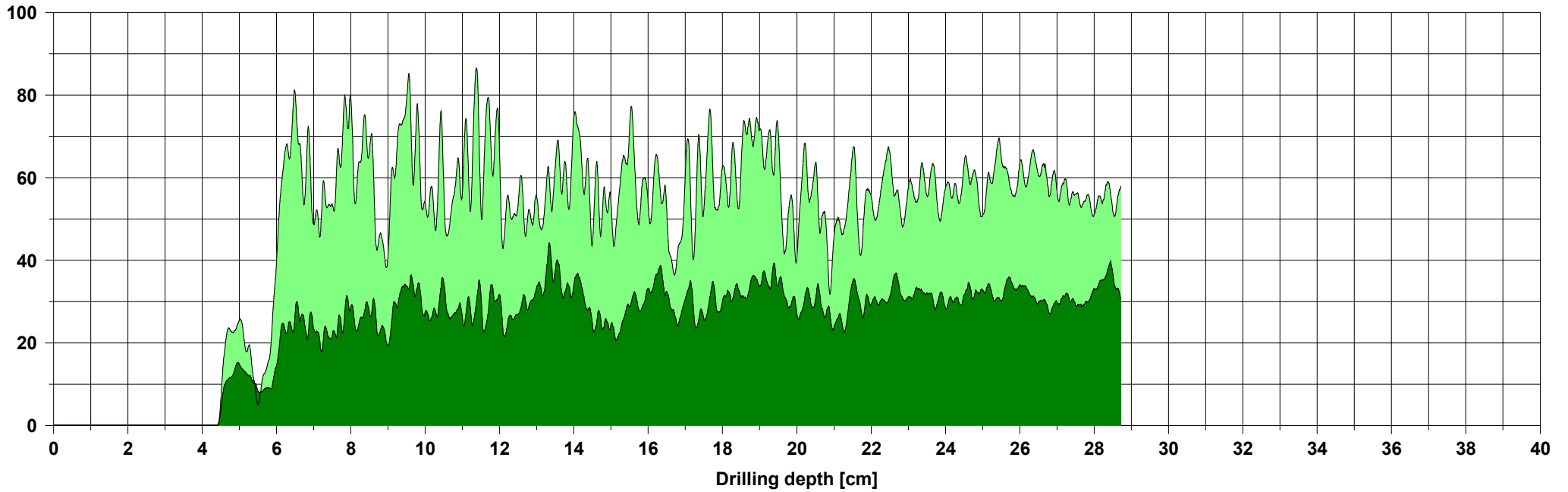
### Assessment

### Comment

### Measuring / object data

Measurement no.:	110	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.2.3A1	Needle state:	---	Level	:
Drilling depth	: 28,72 cm	Tilt	: +90°	Direction:	
Date	: 02.04.2025	Offset	: 108 / 253	Species	:
Time	: 09:01:59	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



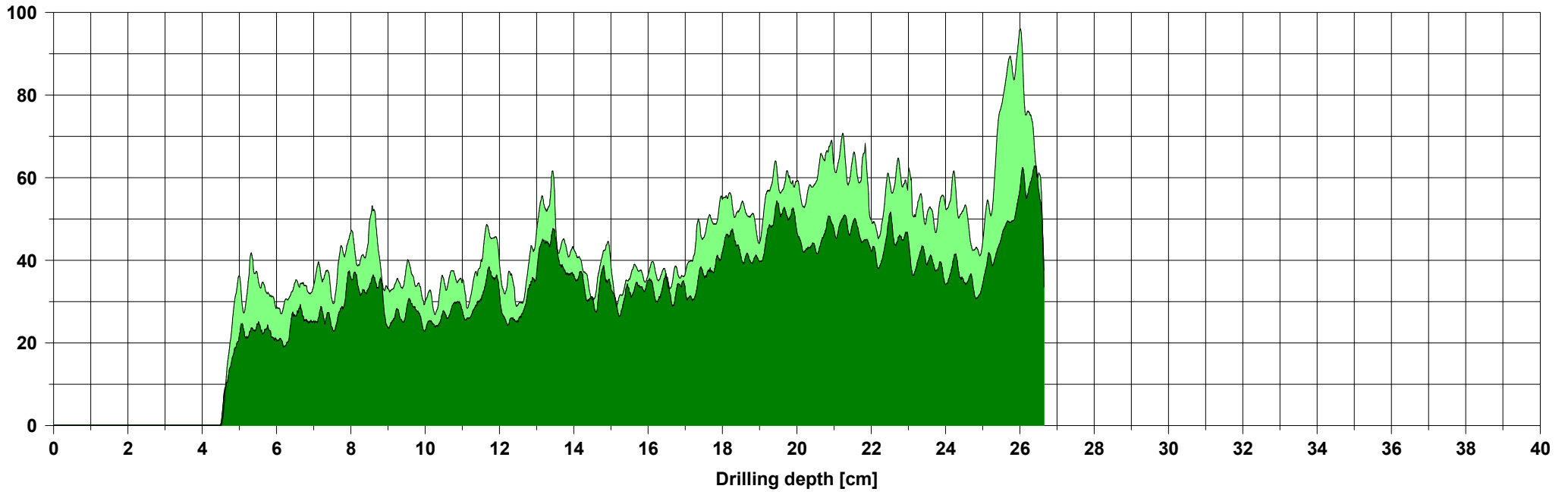
### Assessment

### Comment

### Measuring / object data

Measurement no.:	111	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.2.4A	Needle state:	---	Level	:
Drilling depth	: 26,65 cm	Tilt	: +52°	Direction:	
Date	: 02.04.2025	Offset	: 110 / 250	Species	:
Time	: 09:07:23	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



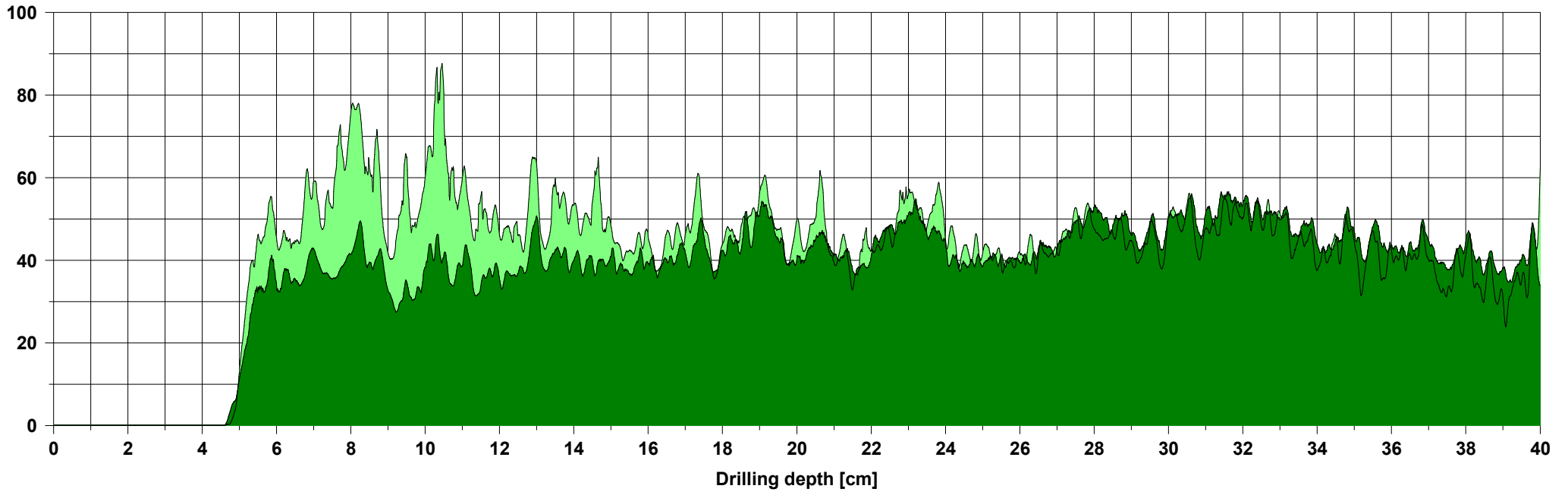
### Assessment

### Comment

### Measuring / object data

Measurement no.:	112	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.3.1A	Needle state:	---	Level	:
Drilling depth	: 40,00 cm	Tilt	: +46°	Direction:	
Date	: 02.04.2025	Offset	: 107 / 251	Species	:
Time	: 09:16:02	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



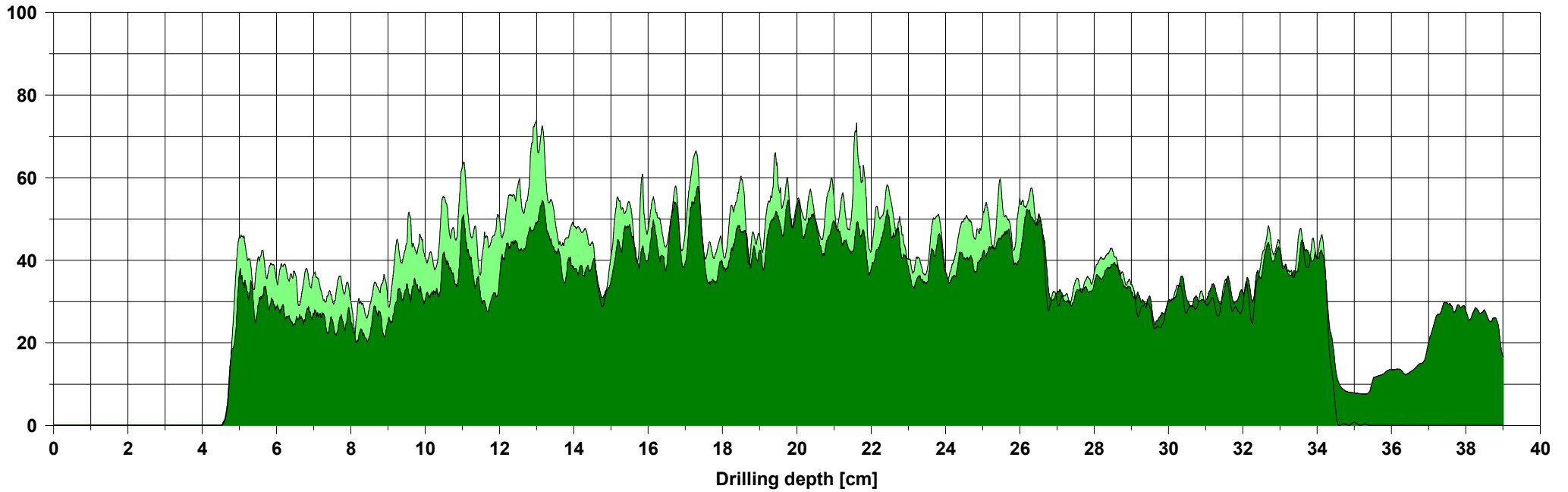
Assessment

Comment

### Measuring / object data

Measurement no.:	113	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.3.2A	Needle state:	---	Level	:
Drilling depth	: 39,01 cm	Tilt	: +46°	Direction:	
Date	: 02.04.2025	Offset	: 106 / 251	Species	:
Time	: 09:13:47	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



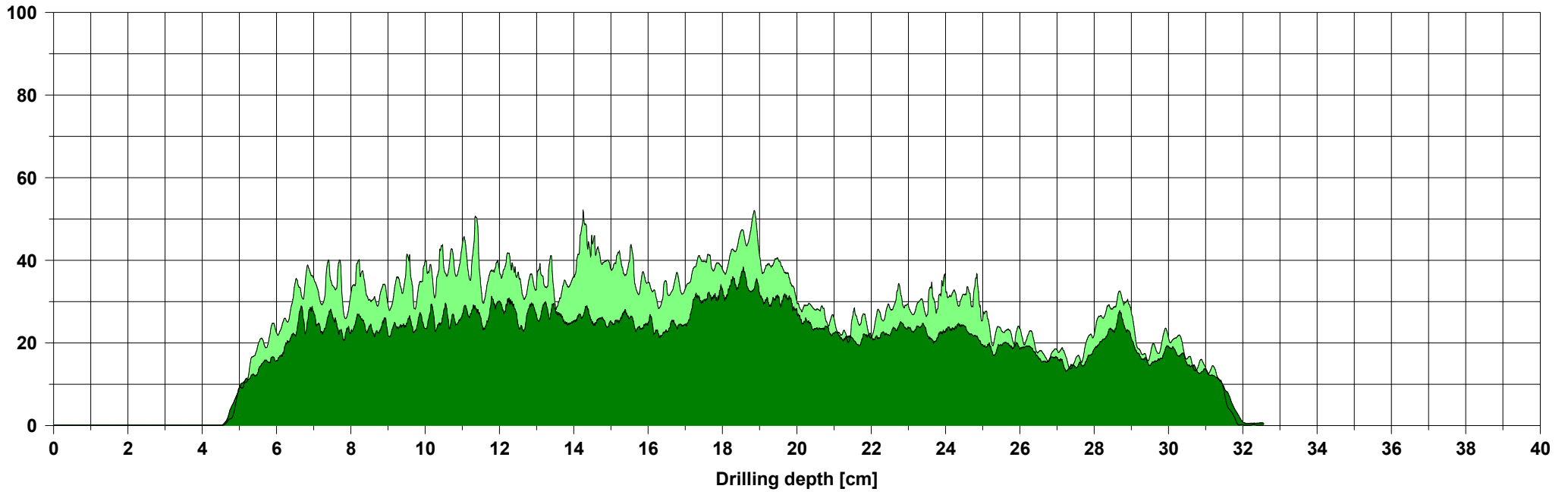
Assessment

Comment

### Measuring / object data

Measurement no.:	114	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.3.3A	Needle state:	---	Level	:
Drilling depth	: 32,56 cm	Tilt	: +45°	Direction:	
Date	: 02.04.2025	Offset	: 105 / 253	Species	:
Time	: 09:11:24	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



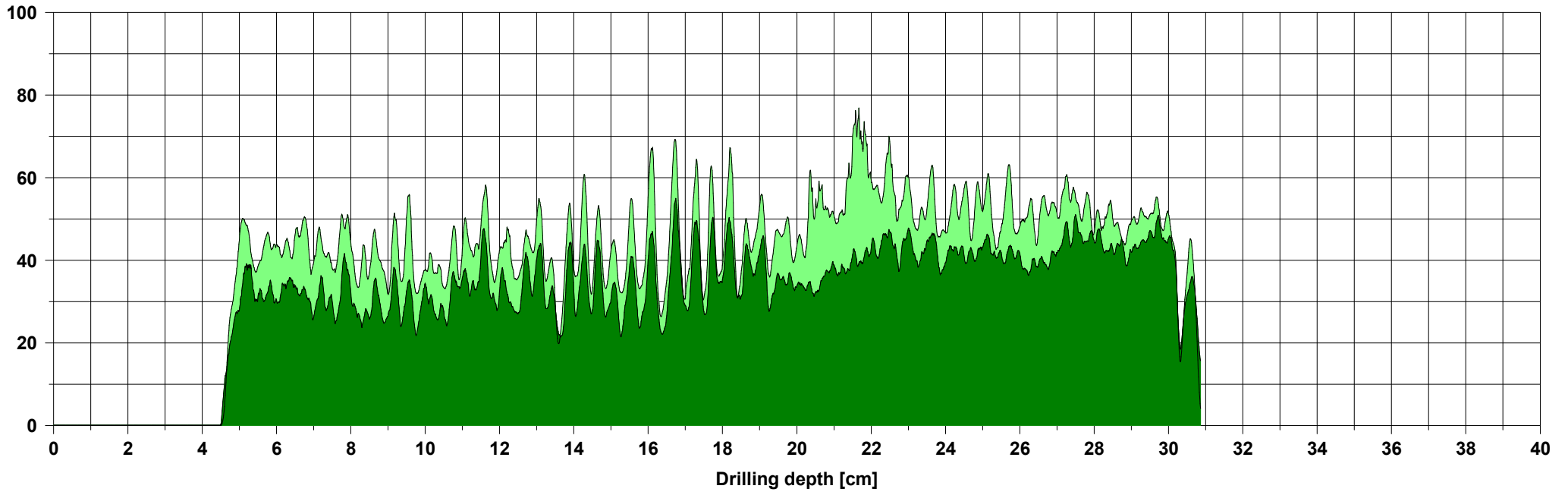
### Assessment

### Comment

### Measuring / object data

Measurement no.:	115	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.3.4A	Needle state:	---	Level	:
Drilling depth	: 30,86 cm	Tilt	: +46°	Direction:	
Date	: 02.04.2025	Offset	: 104 / 253	Species	:
Time	: 09:08:34	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



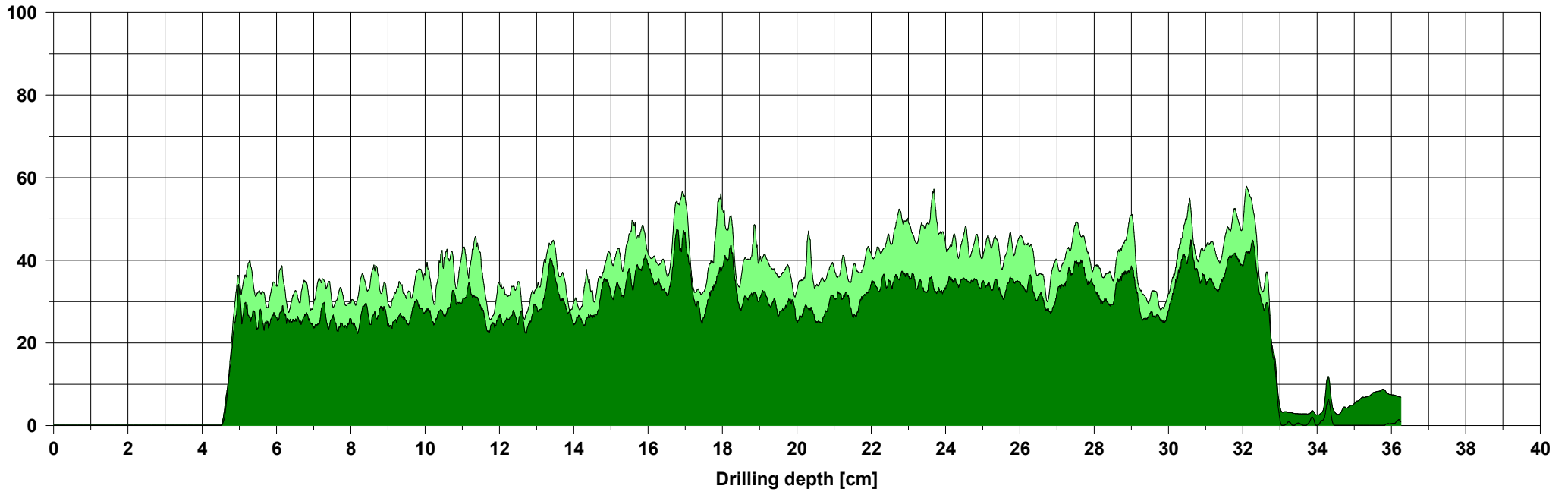
### Assessment

### Comment

### Measuring / object data

Measurement no.:	116	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.4.1A	Needle state:	---	Level	:
Drilling depth	: 36,25 cm	Tilt	: +46°	Direction:	
Date	: 02.04.2025	Offset	: 105 / 251	Species	:
Time	: 09:18:05	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



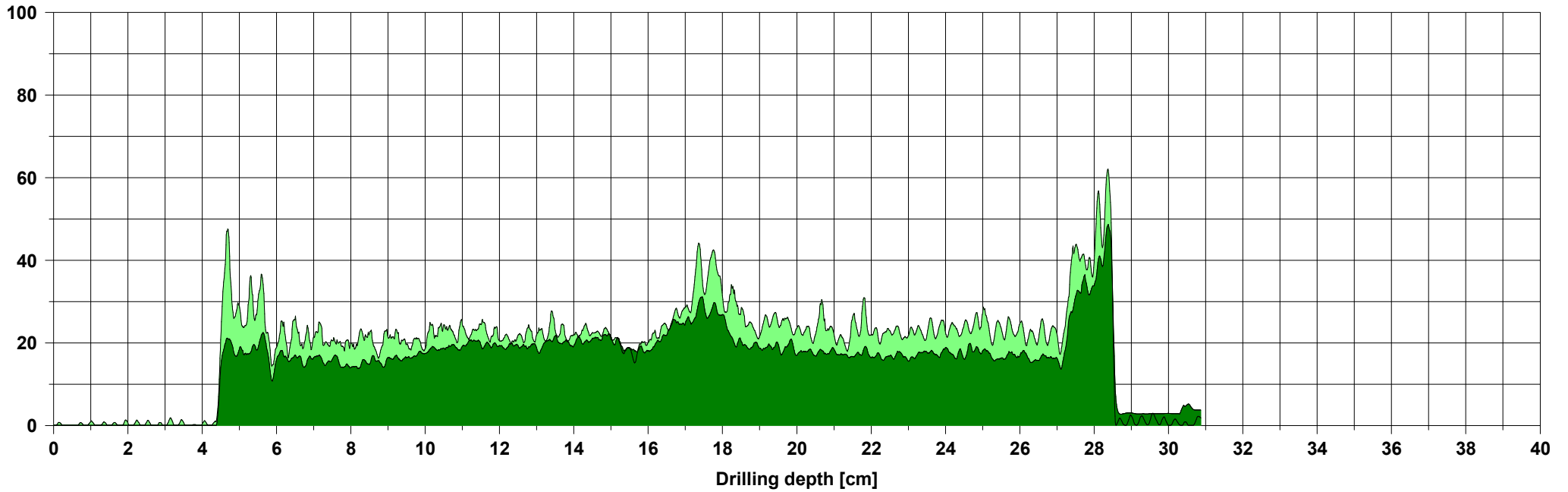
Assessment

Comment

### Measuring / object data

Measurement no.:	117	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.4.2A	Needle state:	---	Level	:
Drilling depth	: 30,87 cm	Tilt	: -1°	Direction:	
Date	: 02.04.2025	Offset	: 94 / 254	Species	:
Time	: 09:19:47	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



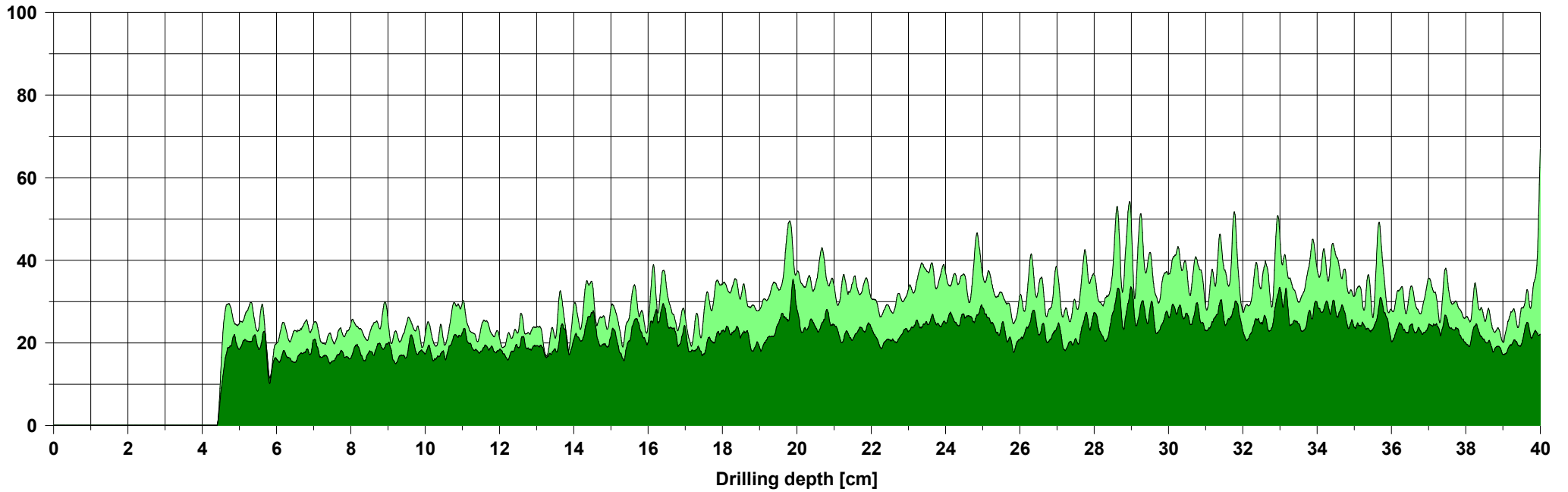
### Assessment

### Comment

### Measuring / object data

Measurement no.:	118	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.4.2A1	Needle state:	---	Level	:
Drilling depth	: 40,00 cm	Tilt	: +78°	Direction:	
Date	: 02.04.2025	Offset	: 109 / 253	Species	:
Time	: 09:22:45	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



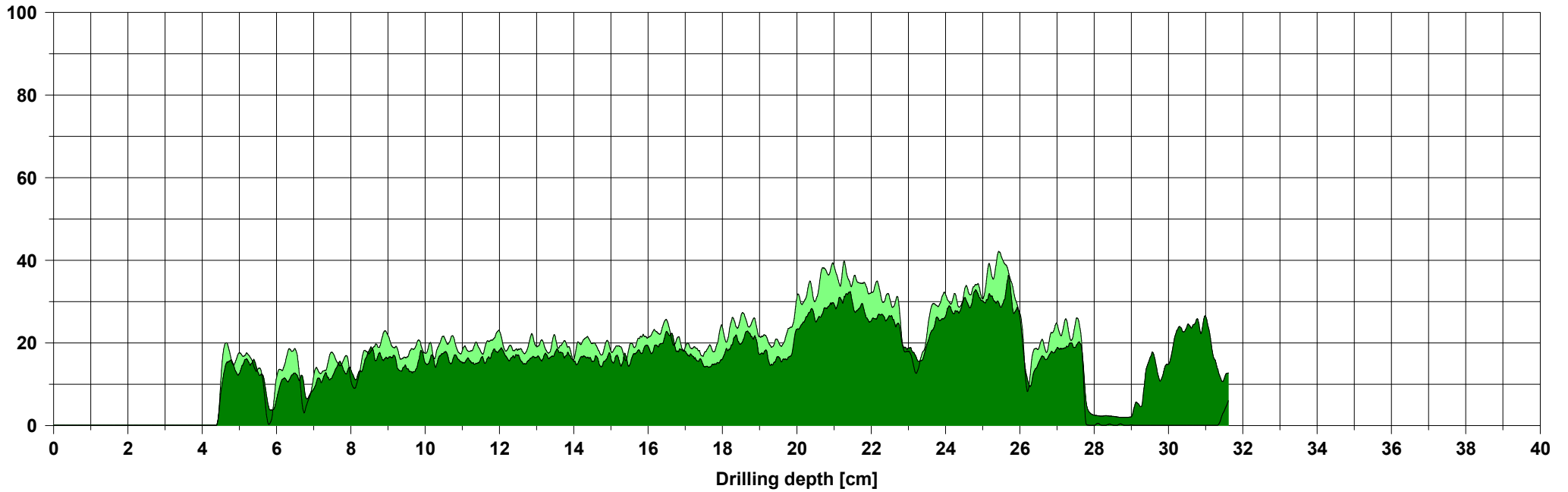
### Assessment

### Comment

### Measuring / object data

Measurement no.:	119	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.4.3A	Needle state:	---	Level	:
Drilling depth	: 31,61 cm	Tilt	: -1°	Direction:	
Date	: 02.04.2025	Offset	: 89 / 254	Species	:
Time	: 09:20:49	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



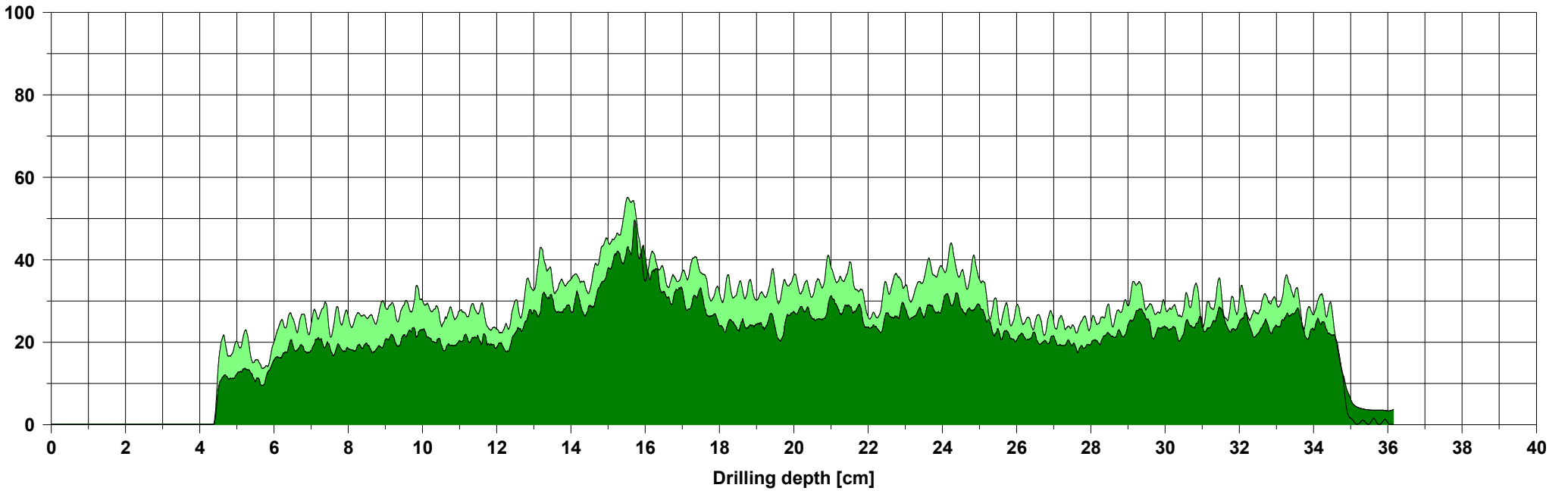
Assessment

Comment

### Measuring / object data

Measurement no.:	120	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.4.3A1	Needle state:	---	Level	:
Drilling depth	: 36,15 cm	Tilt	: +78°	Direction:	
Date	: 02.04.2025	Offset	: 108 / 246	Species	:
Time	: 09:21:44	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



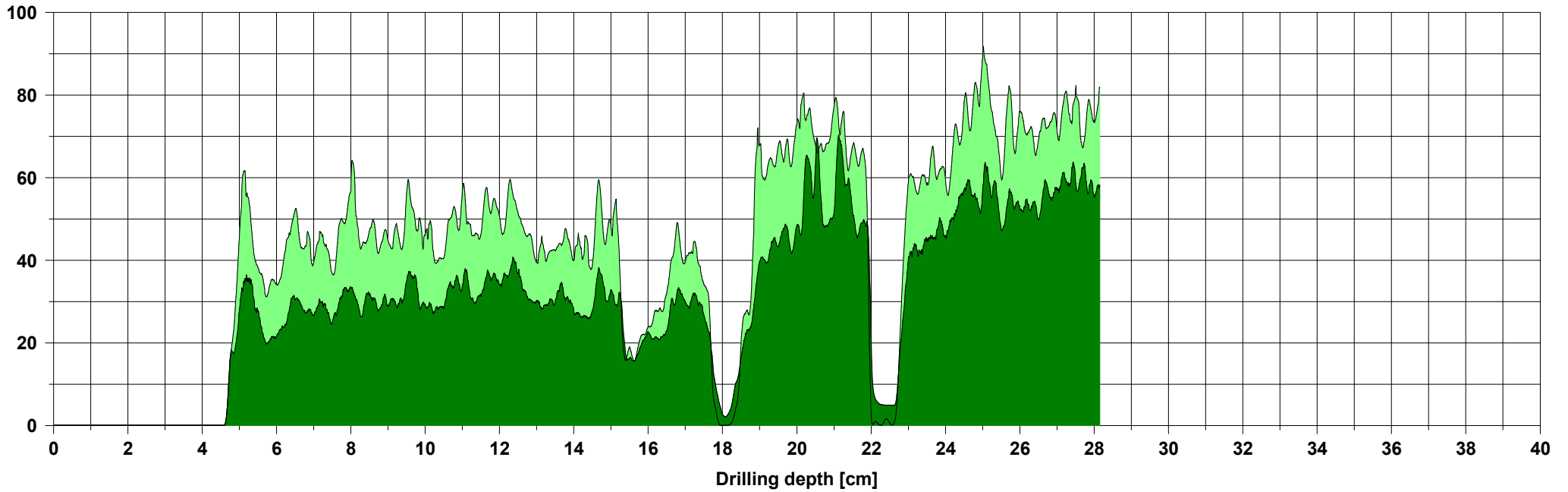
### Assessment

### Comment

### Measuring / object data

Measurement no.:	121	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.4.4A	Needle state:	---	Level	:
Drilling depth	: 28,15 cm	Tilt	: +45°	Direction:	
Date	: 02.04.2025	Offset	: 100 / 256	Species	:
Time	: 09:23:46	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



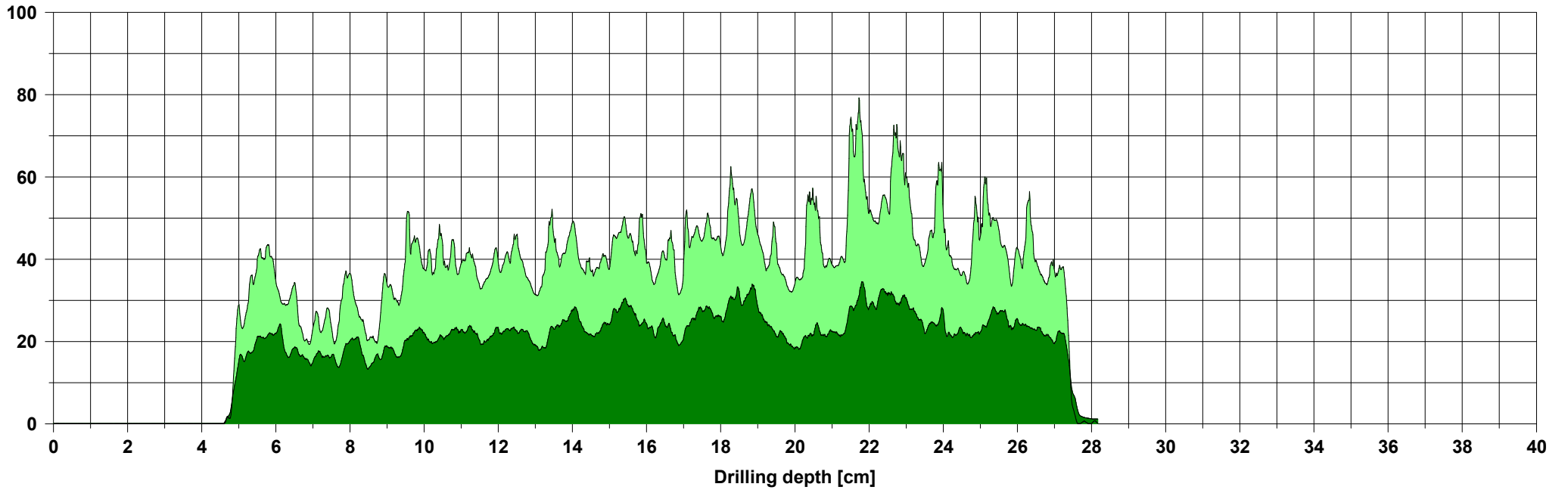
Assessment

Comment

### Measuring / object data

Measurement no.:	122	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.5.1A	Needle state:	---	Level	:
Drilling depth	: 28,17 cm	Tilt	: +44°	Direction:	
Date	: 02.04.2025	Offset	: 104 / 253	Species	:
Time	: 09:38:07	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



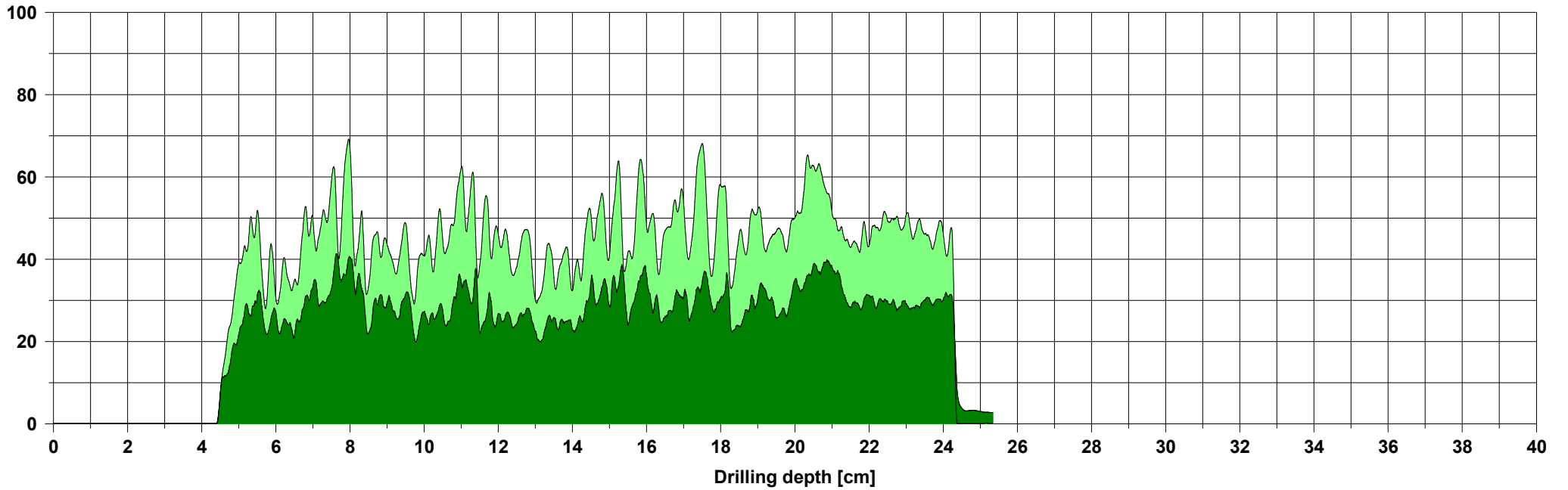
Assessment

Comment

### Measuring / object data

Measurement no.:	123	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.5.2A	Needle state:	---	Level	:
Drilling depth	: 25,34 cm	Tilt	: -1°	Direction:	
Date	: 02.04.2025	Offset	: 96 / 253	Species	:
Time	: 09:30:47	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

Amplitude [%]



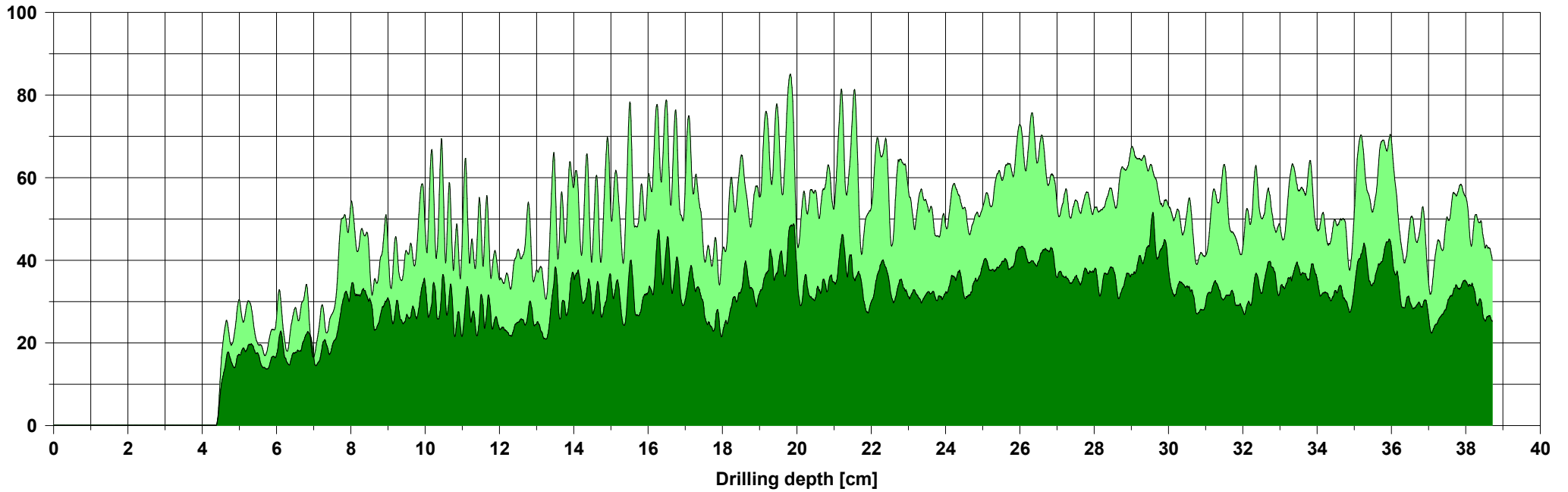
Assessment

Comment

### Measuring / object data

Measurement no.:	124	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.5.3A3	Needle state:	---	Level	:
Drilling depth	: 38,71 cm	Tilt	: +90°	Direction:	
Date	: 02.04.2025	Offset	: 113 / 250	Species	:
Time	: 09:34:53	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



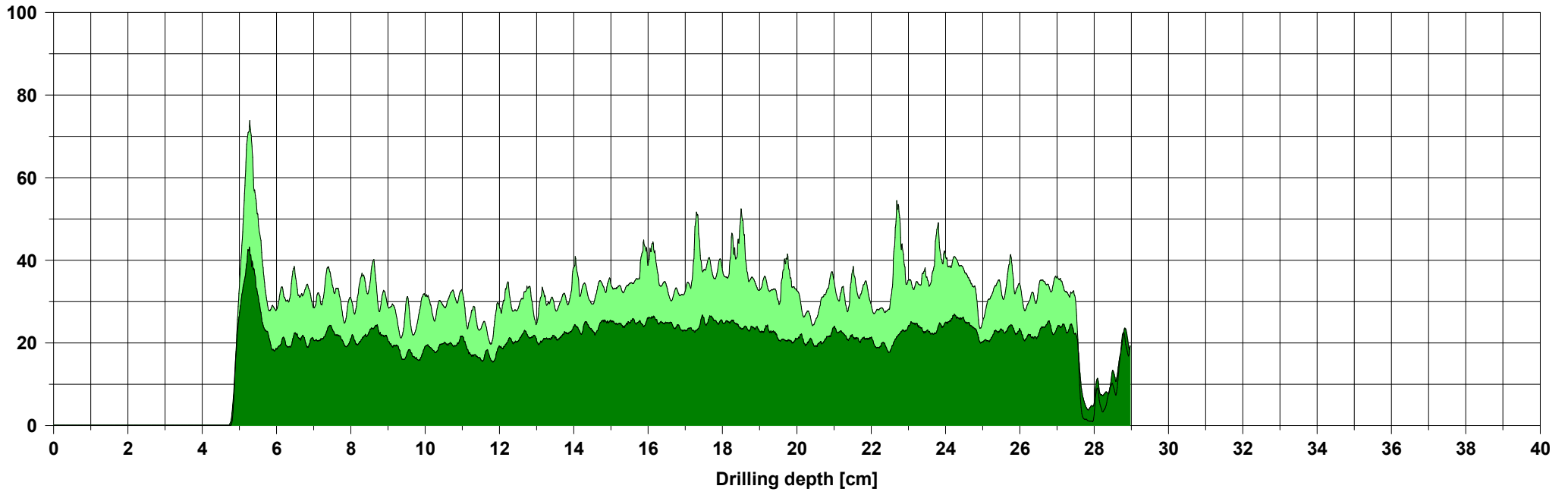
Assessment

Comment

### Measuring / object data

Measurement no.:	125	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.5.4A	Needle state:	---	Level	:
Drilling depth	: 28,97 cm	Tilt	: +47°	Direction:	
Date	: 02.04.2025	Offset	: 106 / 253	Species	:
Time	: 09:26:03	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



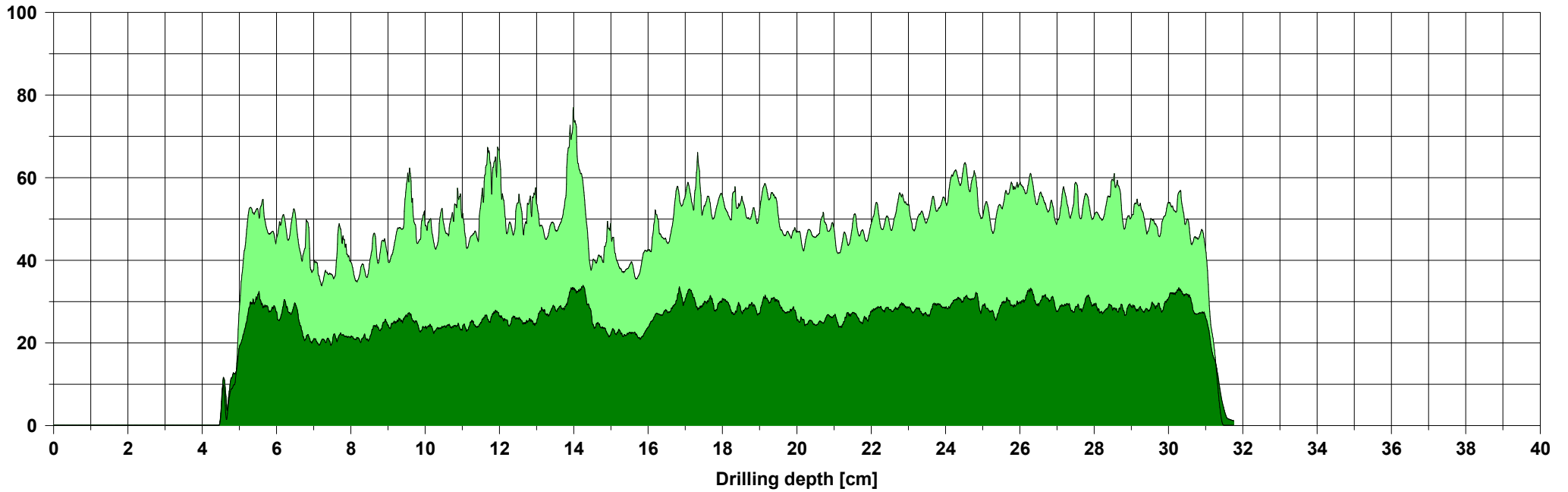
### Assessment

### Comment

### Measuring / object data

Measurement no.:	126	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.6.1A	Needle state:	---	Level	:
Drilling depth	: 31,76 cm	Tilt	: +35°	Direction:	
Date	: 02.04.2025	Offset	: 107 / 251	Species	:
Time	: 09:41:00	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



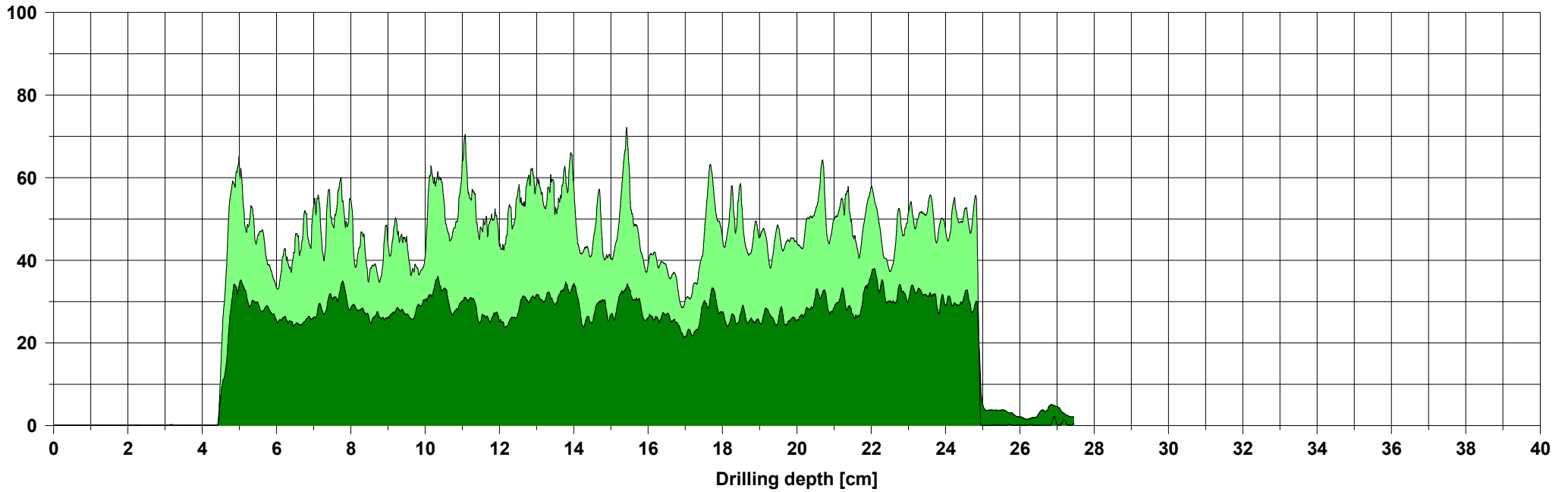
### Assessment

### Comment

### Measuring / object data

Measurement no.:	127	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.6.2A	Needle state:	---	Level	:
Drilling depth	: 27,45 cm	Tilt	: -2°	Direction:	
Date	: 02.04.2025	Offset	: 106 / 249	Species	:
Time	: 09:45:06	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



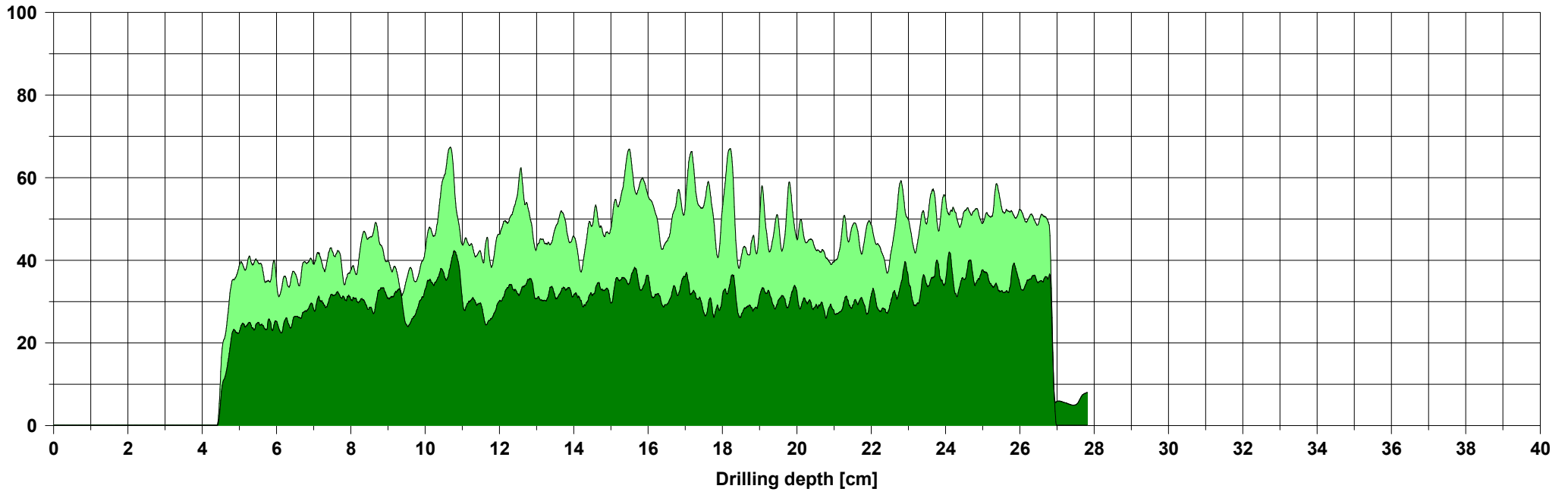
### Assessment

### Comment

### Measuring / object data

Measurement no.:	128	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.6.3A	Needle state:	---	Level	:
Drilling depth	: 27,82 cm	Tilt	: -2°	Direction:	
Date	: 02.04.2025	Offset	: 95 / 249	Species	:
Time	: 09:46:51	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



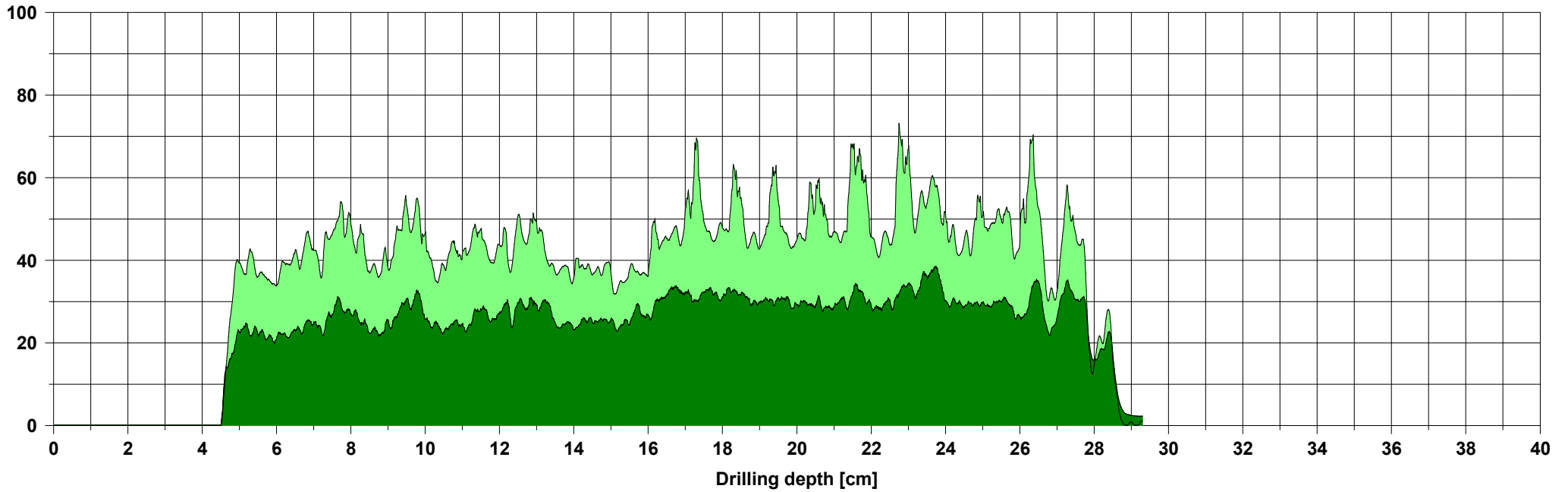
### Assessment

### Comment

### Measuring / object data

Measurement no.:	129	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.6.4A	Needle state:	---	Level	:
Drilling depth	: 29,30 cm	Tilt	: +46°	Direction:	
Date	: 02.04.2025	Offset	: 105 / 248	Species	:
Time	: 09:48:18	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



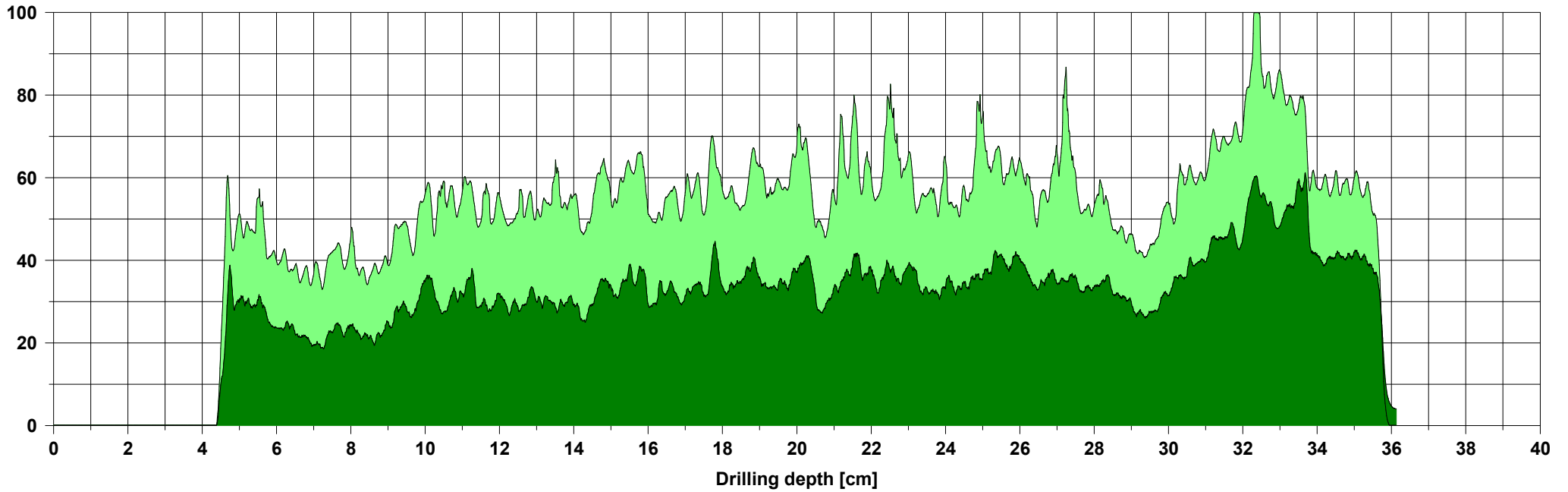
Assessment

Comment

### Measuring / object data

Measurement no.:	130	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.7.1A	Needle state:	---	Level	:
Drilling depth	: 36,13 cm	Tilt	: +46°	Direction:	
Date	: 02.04.2025	Offset	: 106 / 249	Species	:
Time	: 09:54:43	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



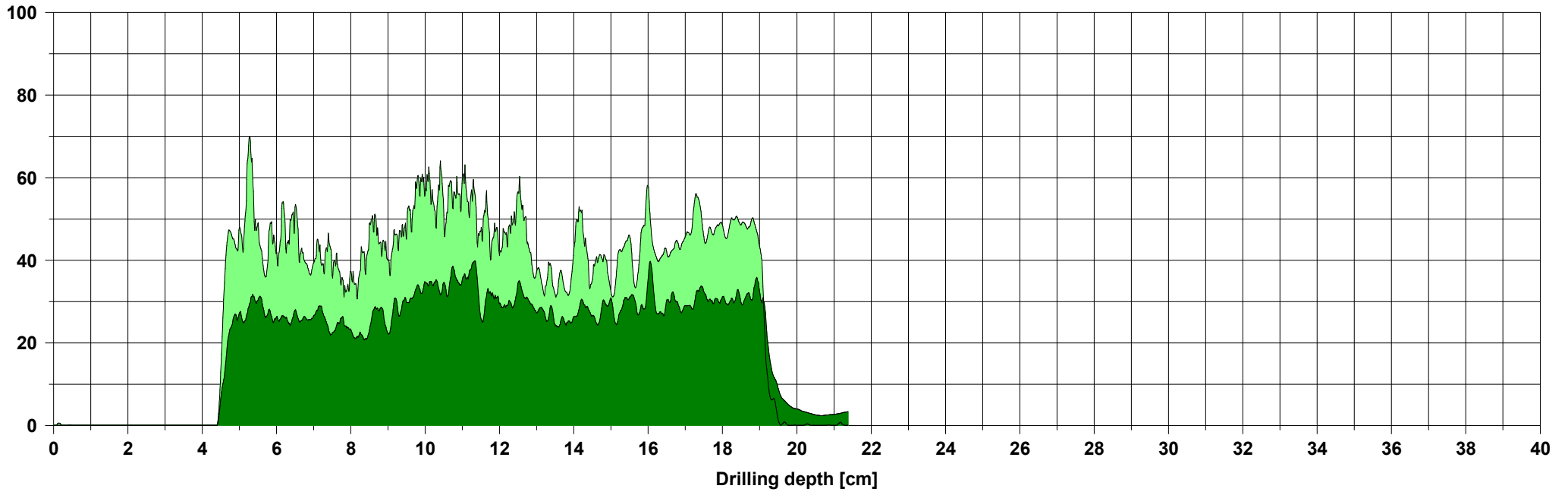
Assessment

Comment

### Measuring / object data

Measurement no.:	131	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.7.2A	Needle state:	---	Level	:
Drilling depth	: 21,38 cm	Tilt	: 0°	Direction:	
Date	: 02.04.2025	Offset	: 99 / 251	Species	:
Time	: 09:52:29	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



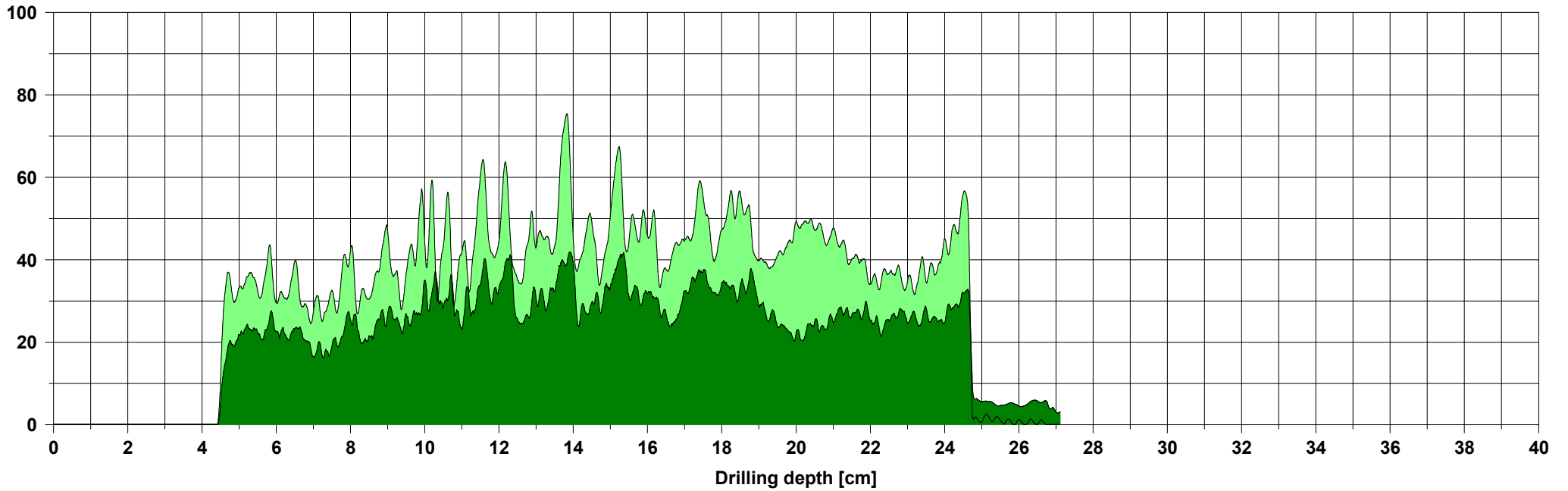
### Assessment

### Comment

### Measuring / object data

Measurement no.:	132	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.7.3A	Needle state:	---	Level	:
Drilling depth	: 27,11 cm	Tilt	: -2°	Direction:	
Date	: 02.04.2025	Offset	: 90 / 248	Species	:
Time	: 09:51:14	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



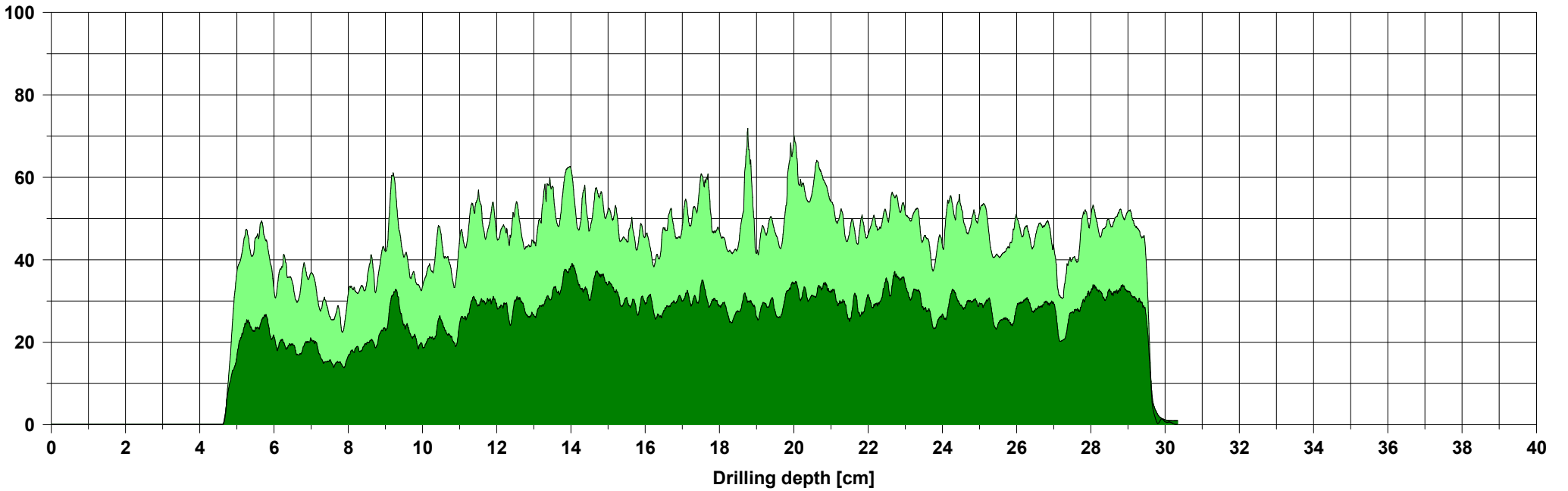
### Assessment

### Comment

### Measuring / object data

Measurement no.:	133	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.7.4A	Needle state:	---	Level	:
Drilling depth	: 30,34 cm	Tilt	: +46°	Direction:	
Date	: 02.04.2025	Offset	: 105 / 249	Species	:
Time	: 09:49:39	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



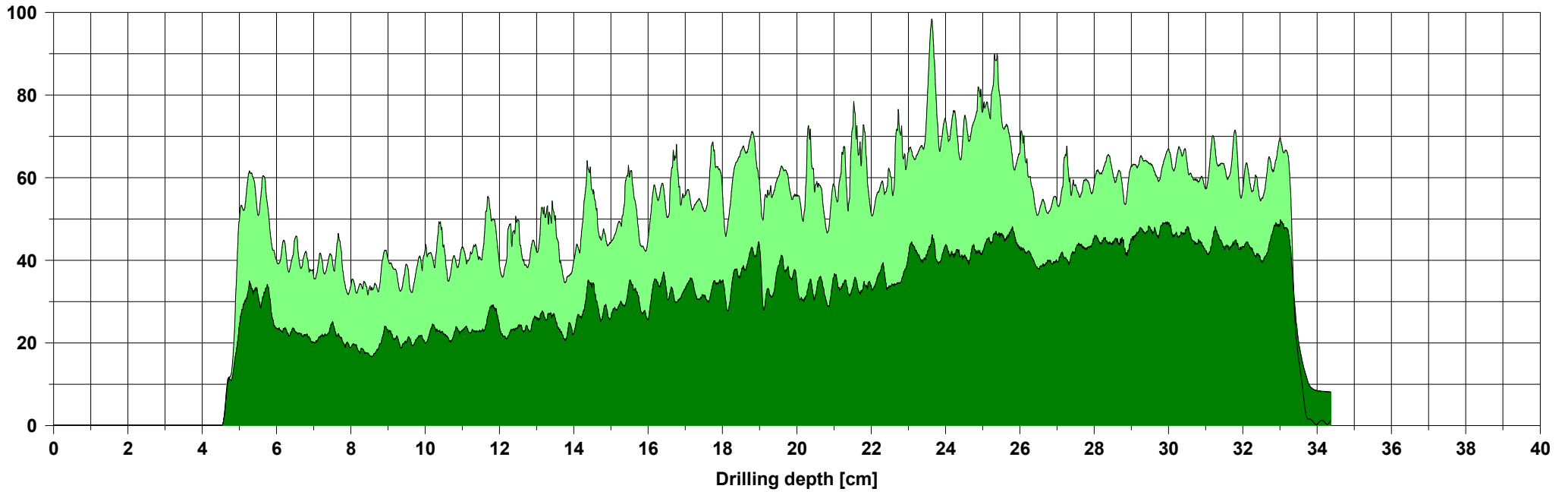
### Assessment

### Comment

### Measuring / object data

Measurement no.:	134	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.8.1A	Needle state:	---	Level	:
Drilling depth	: 34,37 cm	Tilt	: +45°	Direction:	
Date	: 02.04.2025	Offset	: 103 / 251	Species	:
Time	: 09:56:53	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



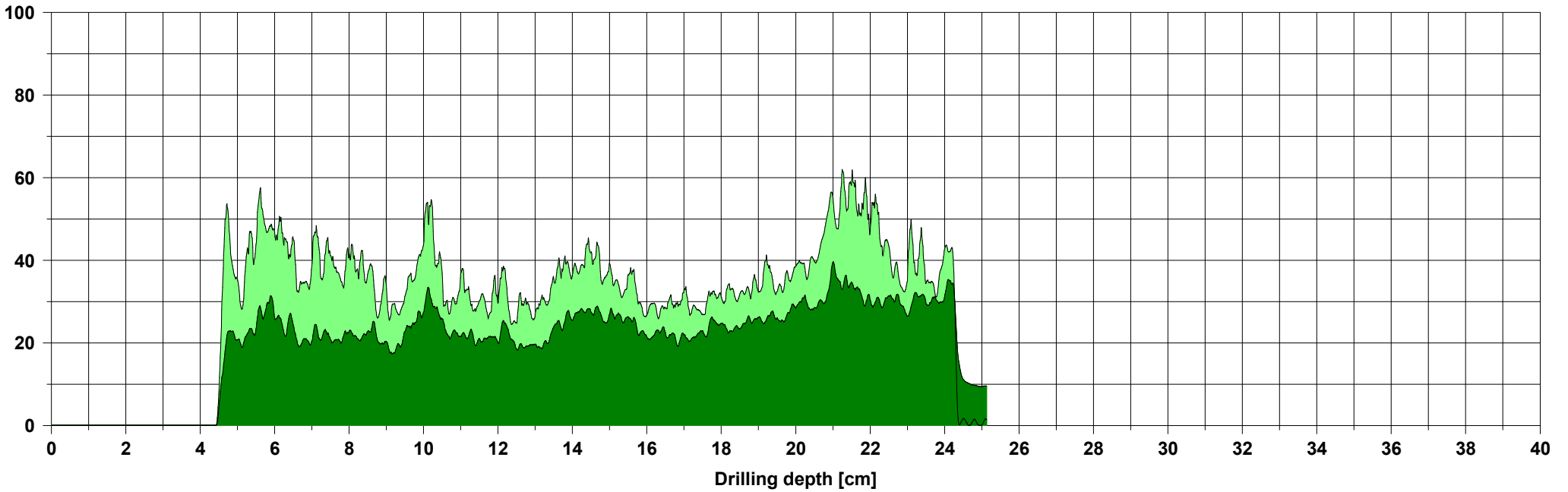
### Assessment

### Comment

### Measuring / object data

Measurement no.:	135	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.8.2A	Needle state:	---	Level	:
Drilling depth	: 25,13 cm	Tilt	: +7°	Direction:	
Date	: 02.04.2025	Offset	: 96 / 247	Species	:
Time	: 09:58:58	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



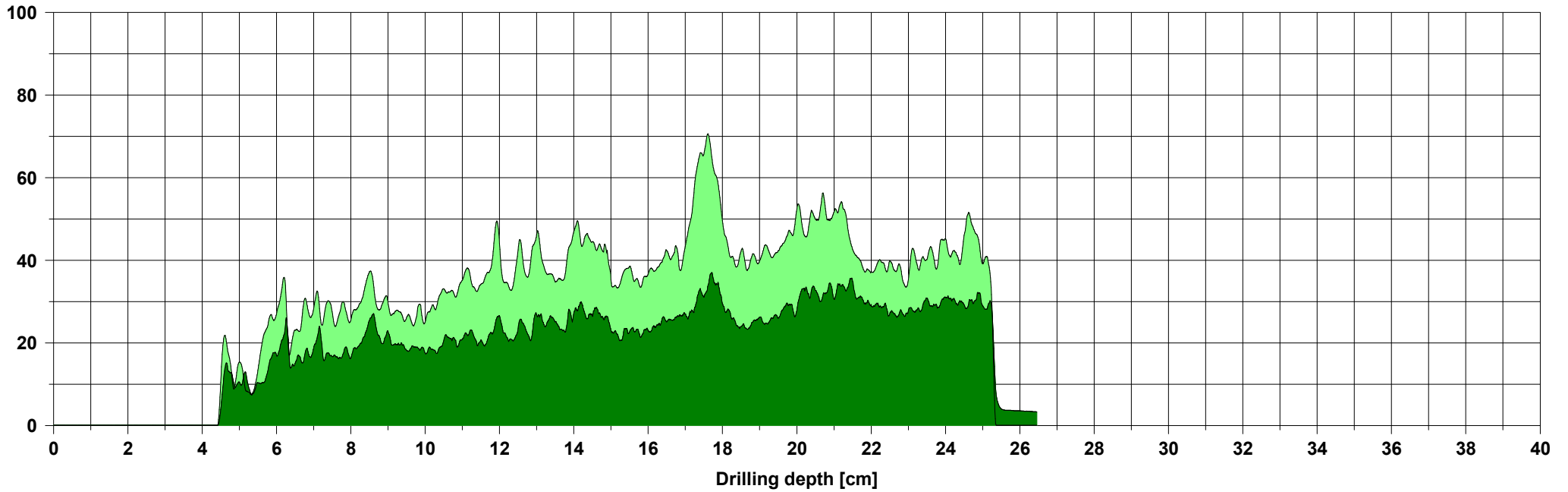
### Assessment

### Comment

### Measuring / object data

Measurement no.:	136	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.8.3A	Needle state:	---	Level	:
Drilling depth	: 26,46 cm	Tilt	: -1°	Direction:	
Date	: 02.04.2025	Offset	: 88 / 248	Species	:
Time	: 09:59:57	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



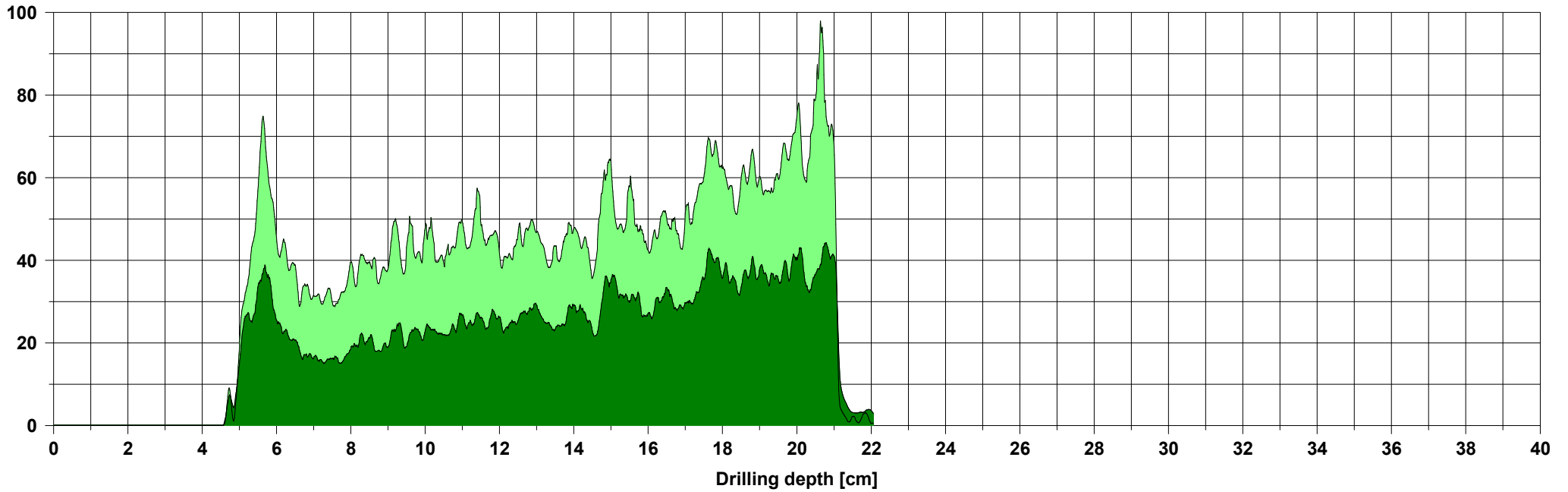
Assessment

Comment

### Measuring / object data

Measurement no.:	137	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.8.4A	Needle state:	---	Level	:
Drilling depth	: 22,06 cm	Tilt	: +46°	Direction:	
Date	: 02.04.2025	Offset	: 103 / 252	Species	:
Time	: 10:02:52	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



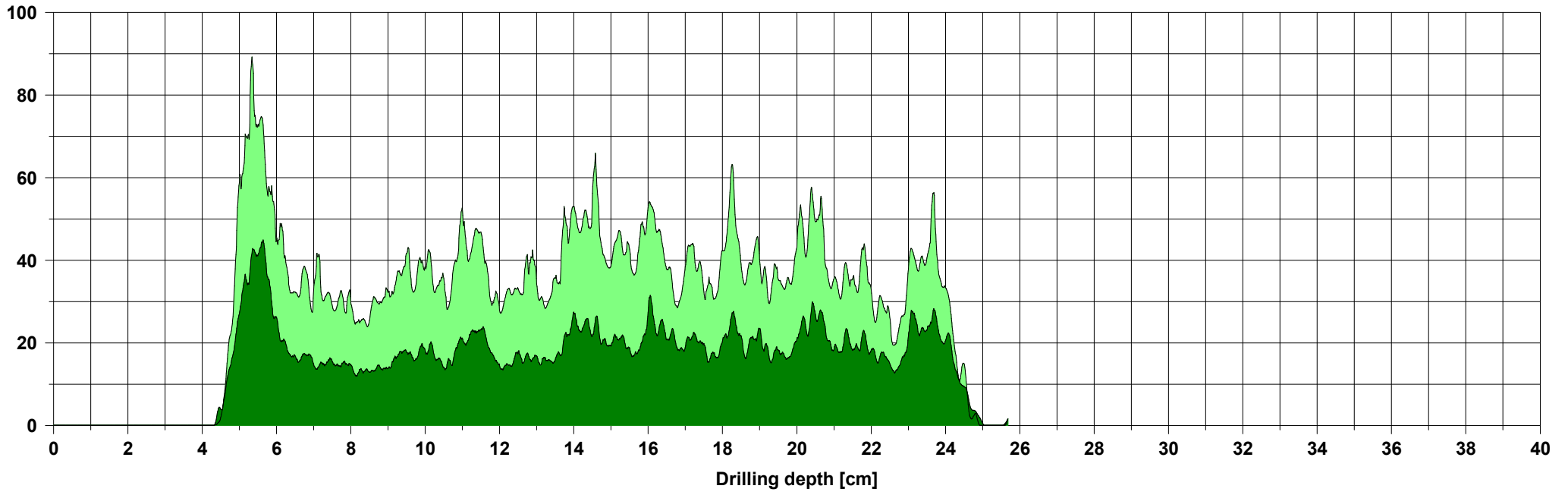
### Assessment

### Comment

### Measuring / object data

Measurement no.:	138	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.9.1A	Needle state:	---	Level	:
Drilling depth	: 25,68 cm	Tilt	: +46°	Direction:	
Date	: 02.04.2025	Offset	: 101 / 324	Species	:
Time	: 10:27:20	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

Amplitude [%]



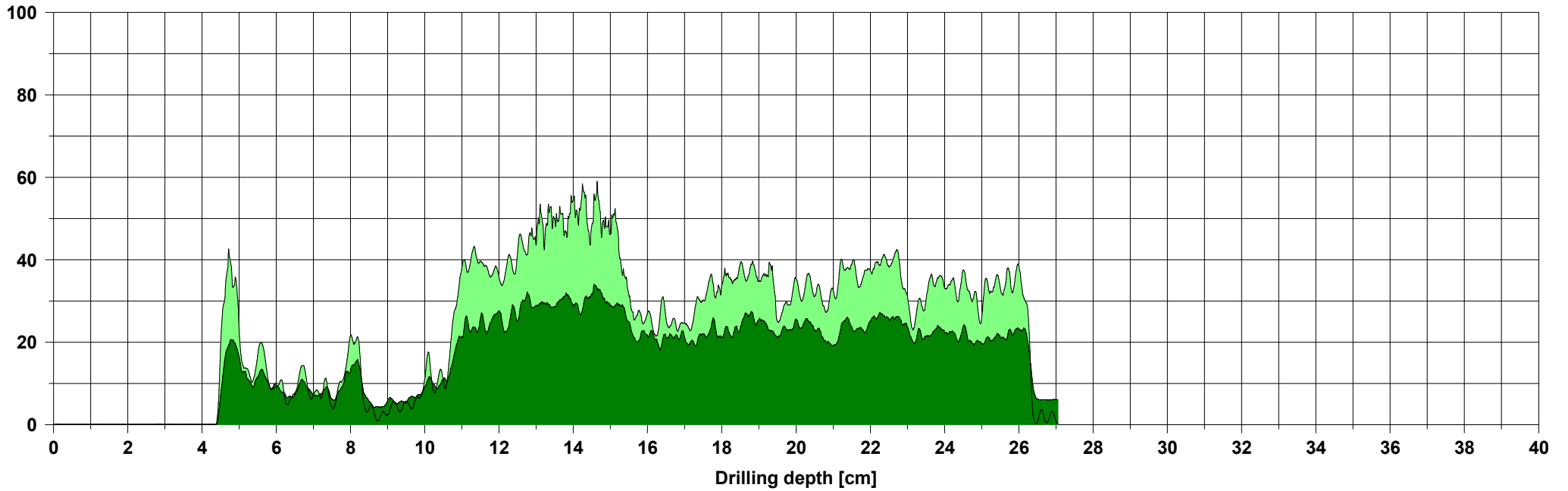
Assessment

Comment

### Measuring / object data

Measurement no.:	139	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.9.2A	Needle state:	---	Level	:
Drilling depth	: 27,05 cm	Tilt	: +4°	Direction:	
Date	: 02.04.2025	Offset	: 86 / 253	Species	:
Time	: 10:15:08	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



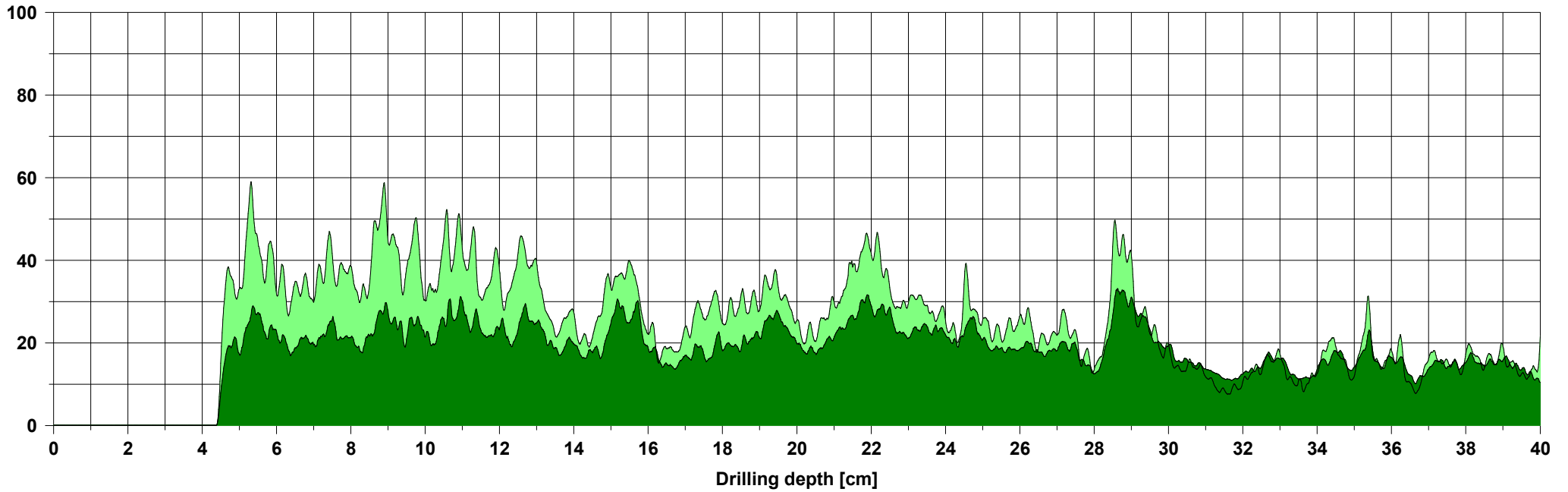
### Assessment

### Comment

### Measuring / object data

Measurement no.:	140	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.9.2A1	Needle state:	---	Level	:
Drilling depth	: 40,07 cm	Tilt	: +78°	Direction:	
Date	: 02.04.2025	Offset	: 106 / 251	Species	:
Time	: 10:16:16	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



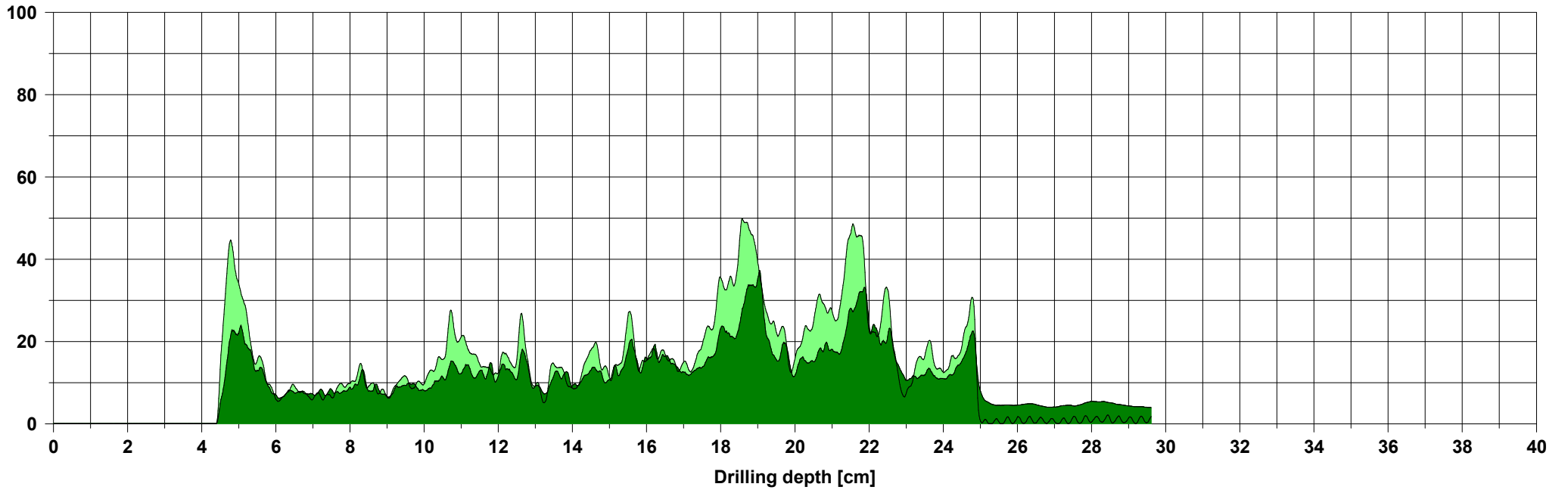
### Assessment

### Comment

### Measuring / object data

Measurement no.:	141	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.9.3A	Needle state:	---	Level	:
Drilling depth	: 29,61 cm	Tilt	: -4°	Direction:	
Date	: 02.04.2025	Offset	: 86 / 255	Species	:
Time	: 10:07:51	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



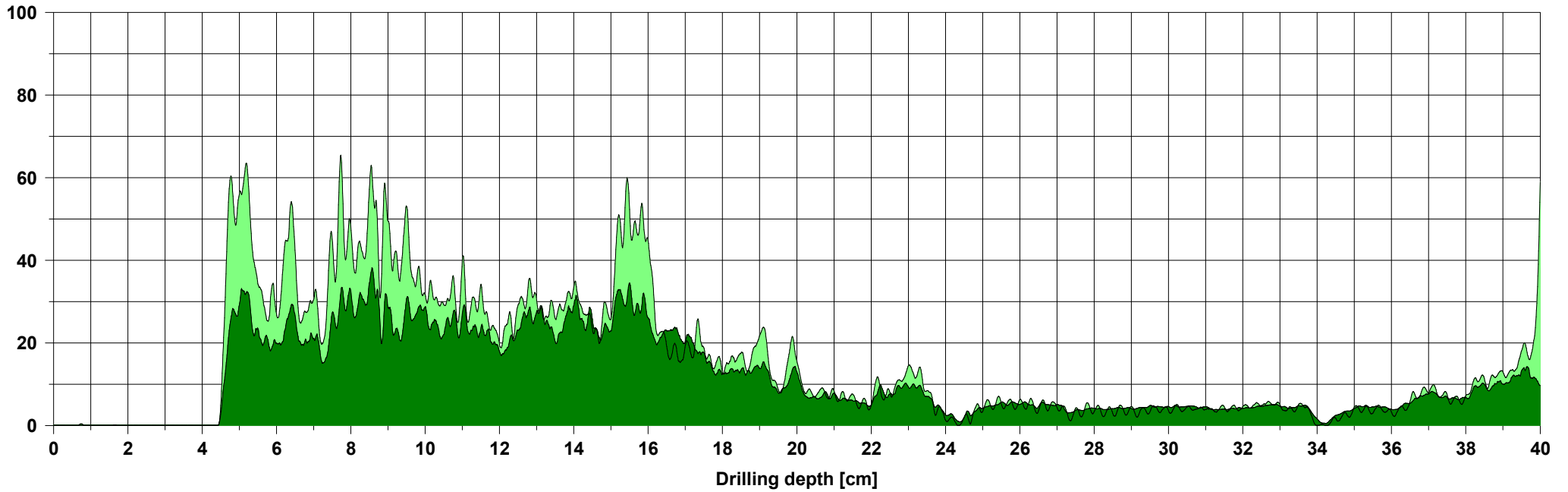
### Assessment

### Comment

### Measuring / object data

Measurement no.:	142	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.9.3A1	Needle state:	---	Level	:
Drilling depth	: 40,07 cm	Tilt	: +75°	Direction:	
Date	: 02.04.2025	Offset	: 110 / 248	Species	:
Time	: 10:08:41	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



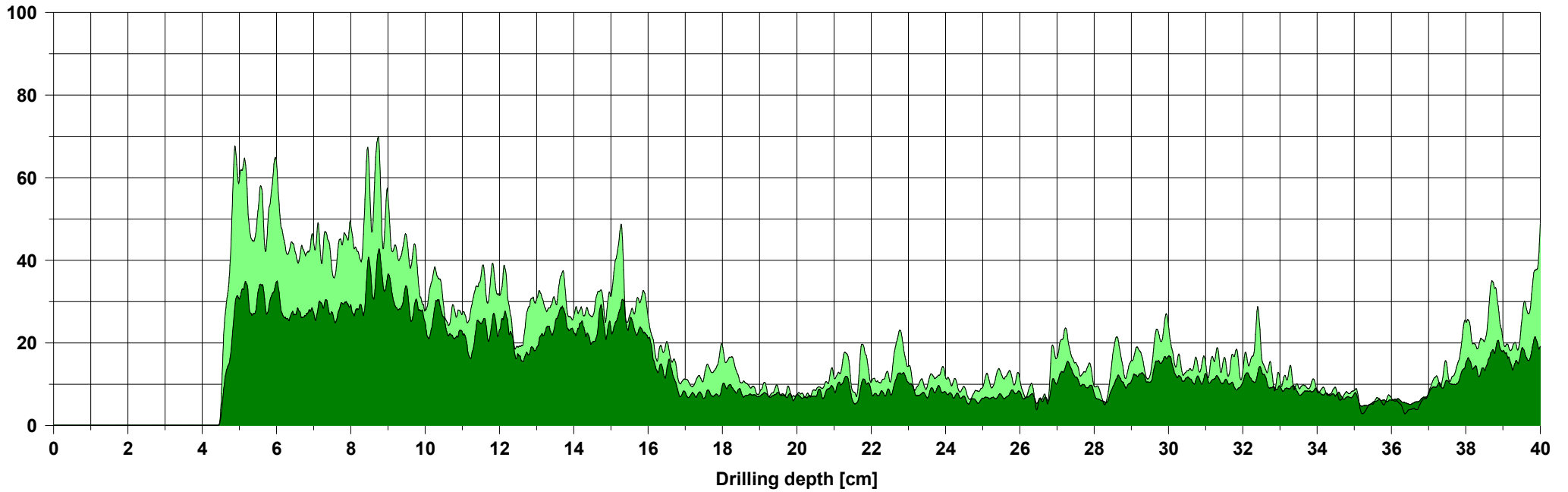
### Assessment

### Comment

### Measuring / object data

Measurement no.:	143	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.9.3A5	Needle state:	---	Level	:
Drilling depth	: 40,07 cm	Tilt	: +69°	Direction:	
Date	: 02.04.2025	Offset	: 106 / 249	Species	:
Time	: 10:10:04	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



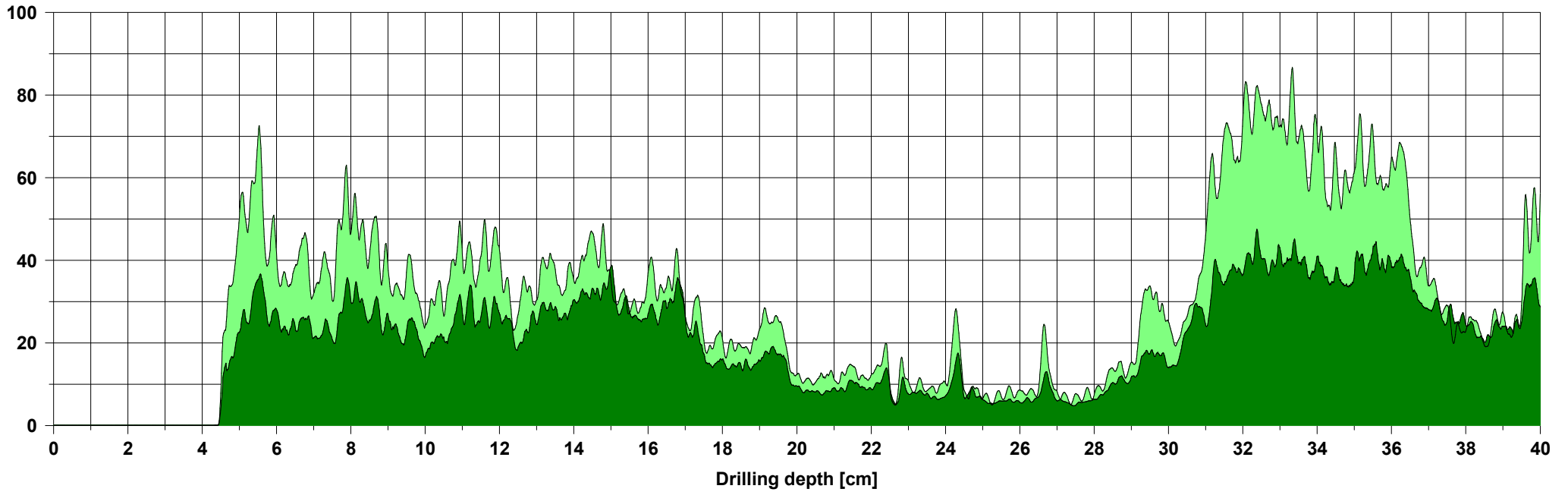
### Assessment

### Comment

### Measuring / object data

Measurement no.:	144	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.9.3A10	Needle state:	---	Level	:
Drilling depth	: 40,07 cm	Tilt	: +65°	Direction:	
Date	: 02.04.2025	Offset	: 102 / 248	Species	:
Time	: 10:11:20	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



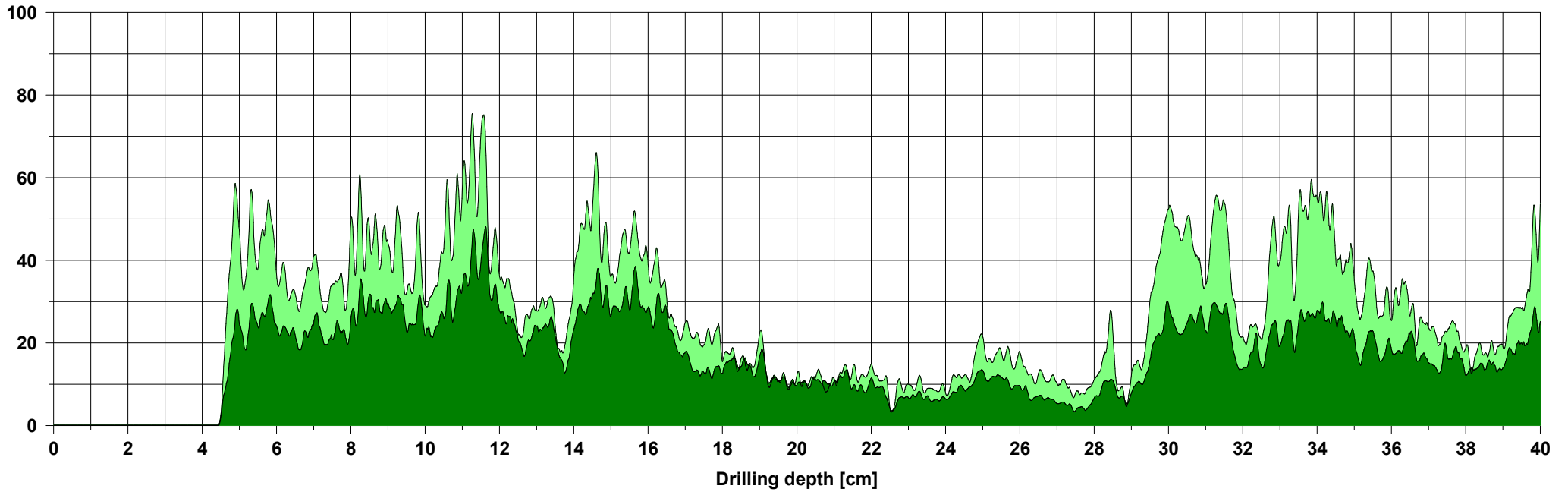
Assessment

Comment

### Measuring / object data

Measurement no.:	145	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.9.3A15	Needle state:	---	Level	:
Drilling depth	: 40,07 cm	Tilt	: +69°	Direction:	
Date	: 02.04.2025	Offset	: 105 / 250	Species	:
Time	: 10:12:34	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



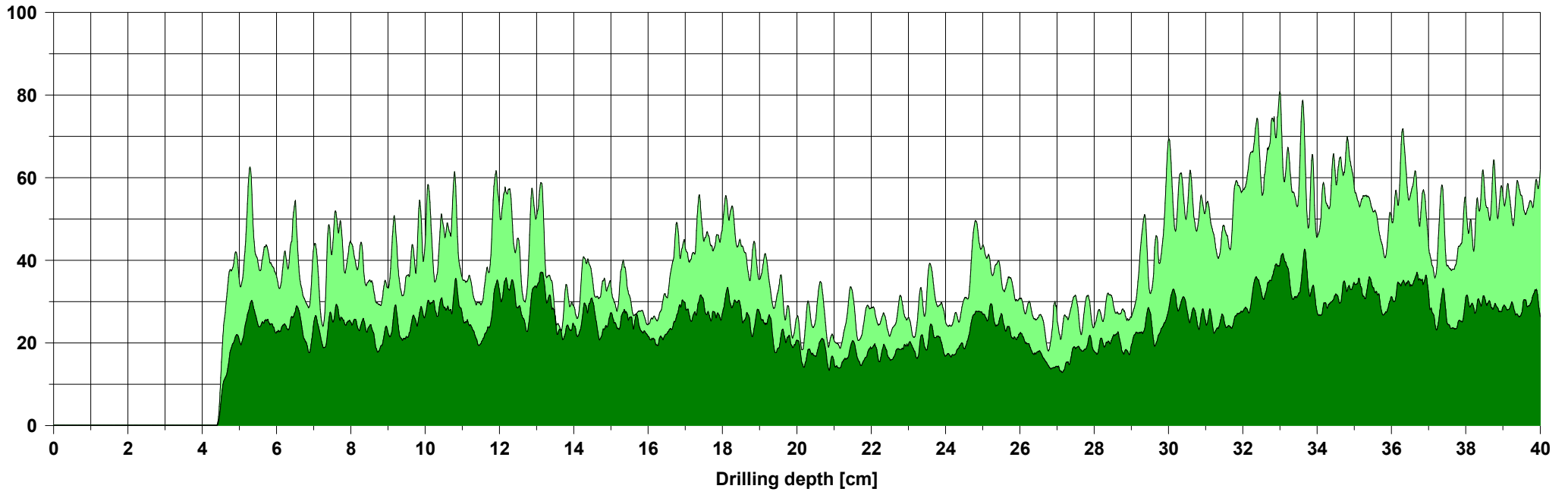
### Assessment

### Comment

### Measuring / object data

Measurement no.:	146	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.9.3A20	Needle state:	---	Level	:
Drilling depth	: 40,07 cm	Tilt	: +76°	Direction:	
Date	: 02.04.2025	Offset	: 105 / 246	Species	:
Time	: 10:13:46	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



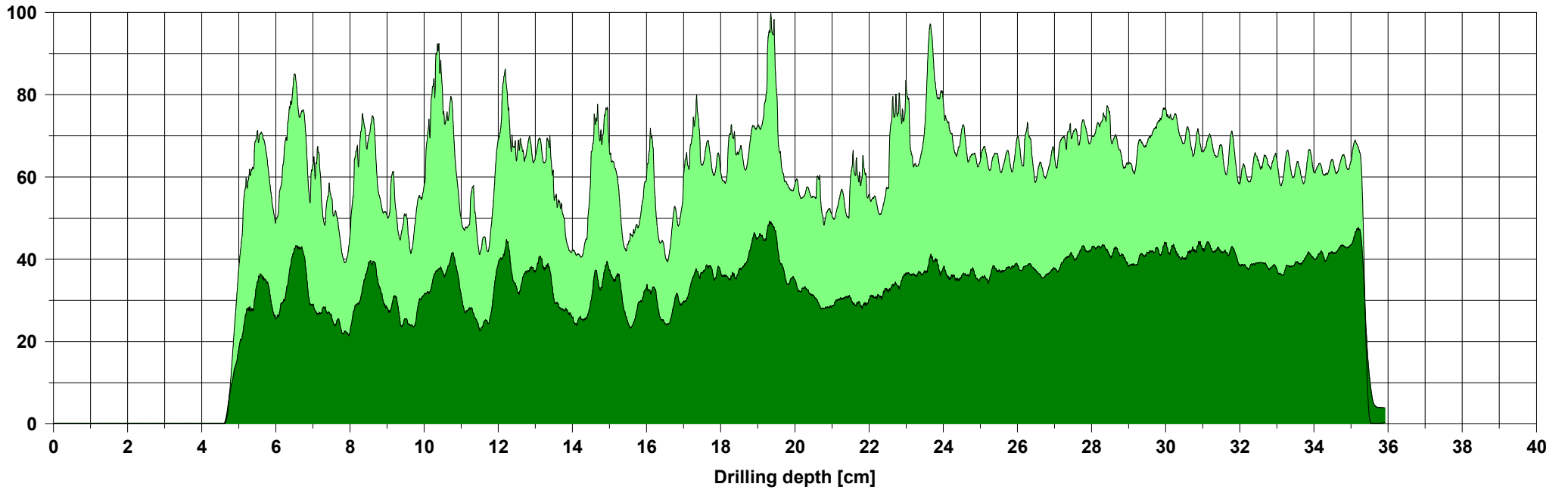
Assessment

Comment

### Measuring / object data

Measurement no.:	147	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.9.4A	Needle state:	---	Level	:
Drilling depth	: 35,91 cm	Tilt	: +45°	Direction:	
Date	: 02.04.2025	Offset	: 102 / 248	Species	:
Time	: 10:06:05	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



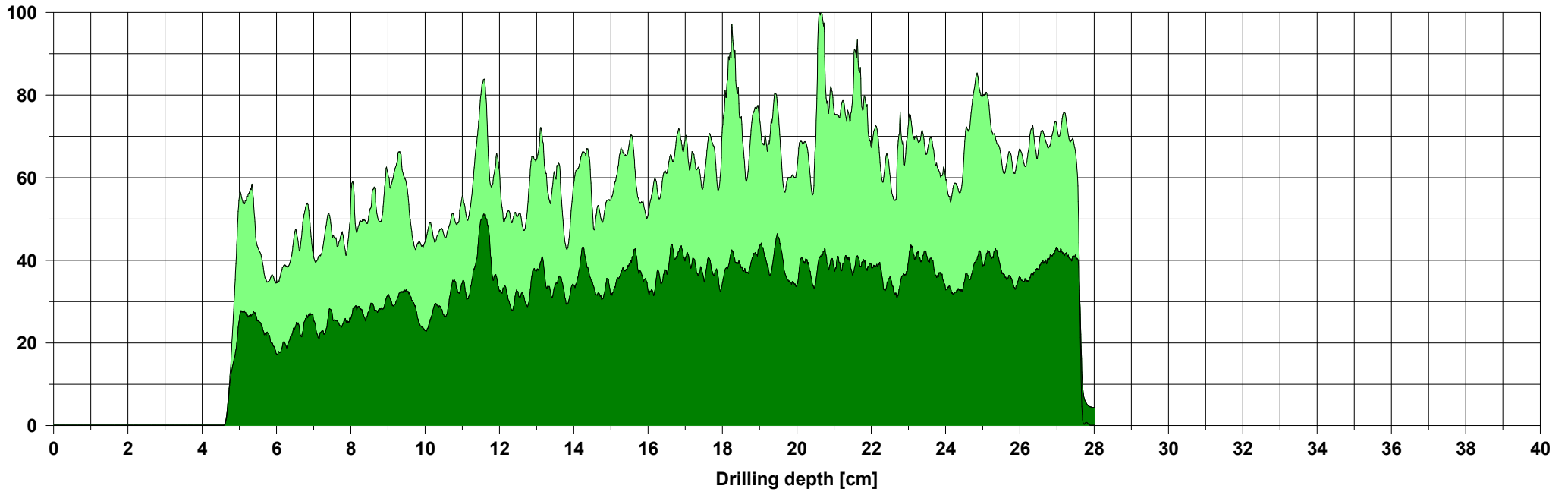
Assessment

Comment

### Measuring / object data

Measurement no.:	148	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.10.1A	Needle state:	---	Level	:
Drilling depth	: 28,02 cm	Tilt	: +45°	Direction:	
Date	: 02.04.2025	Offset	: 105 / 251	Species	:
Time	: 10:28:59	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



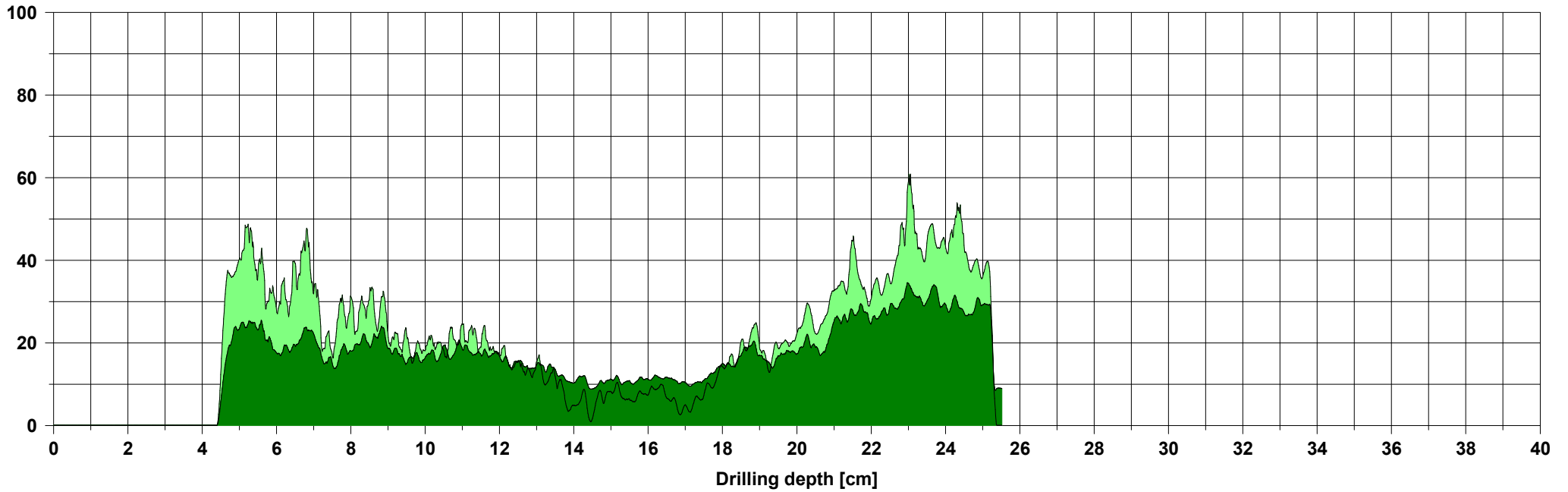
### Assessment

### Comment

### Measuring / object data

Measurement no.:	149	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.10.2A	Needle state:	---	Level	:
Drilling depth	: 25,52 cm	Tilt	: 0°	Direction:	
Date	: 02.04.2025	Offset	: 103 / 247	Species	:
Time	: 10:30:43	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



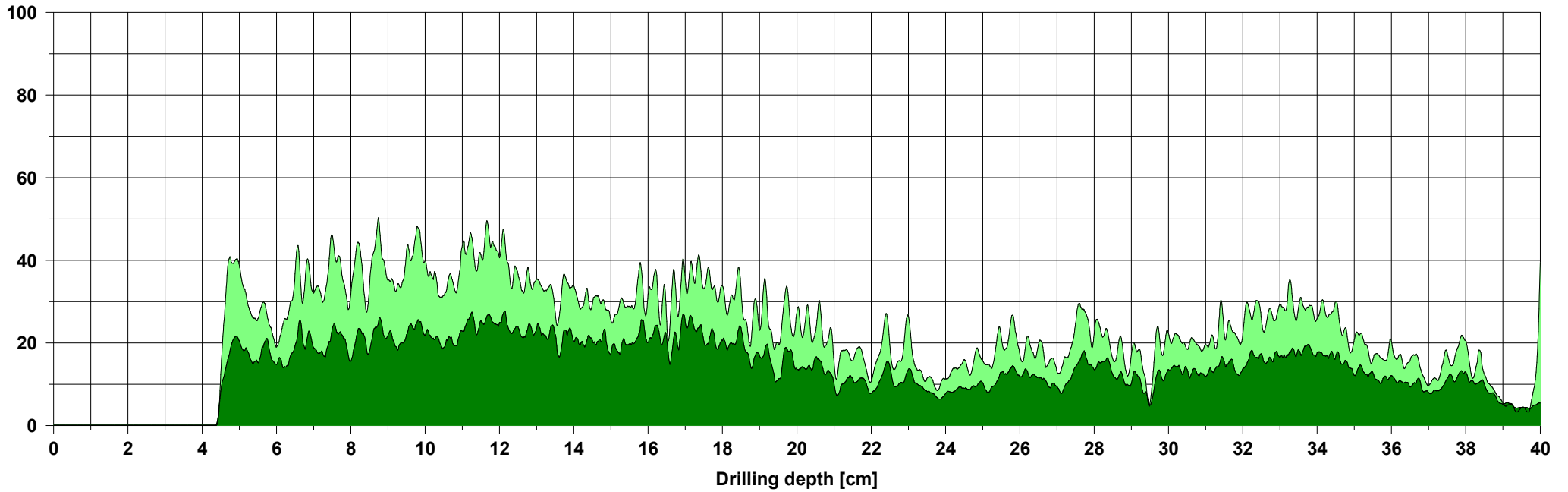
### Assessment

### Comment

### Measuring / object data

Measurement no.:	150	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.10.2A1	Needle state:	---	Level	:
Drilling depth	: 40,07 cm	Tilt	: +67°	Direction:	
Date	: 02.04.2025	Offset	: 104 / 247	Species	:
Time	: 10:31:33	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



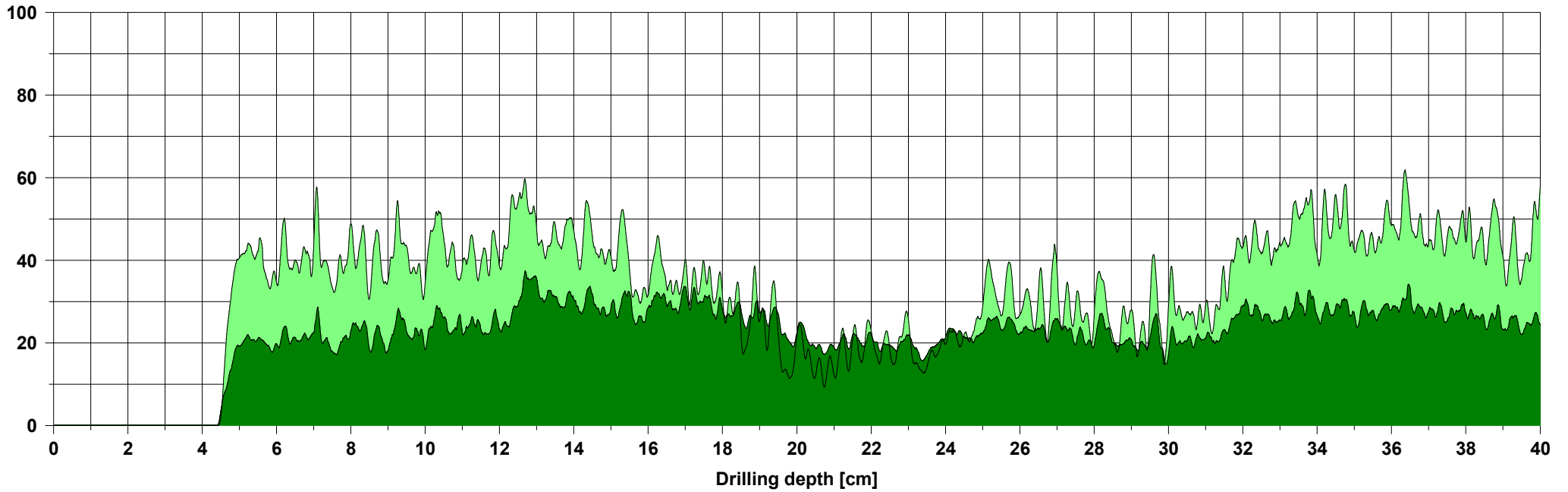
Assessment

Comment

### Measuring / object data

Measurement no.:	151	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.10.2A3	Needle state:	---	Level	:
Drilling depth	: 40,07 cm	Tilt	: +65°	Direction:	
Date	: 02.04.2025	Offset	: 104 / 246	Species	:
Time	: 10:32:34	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



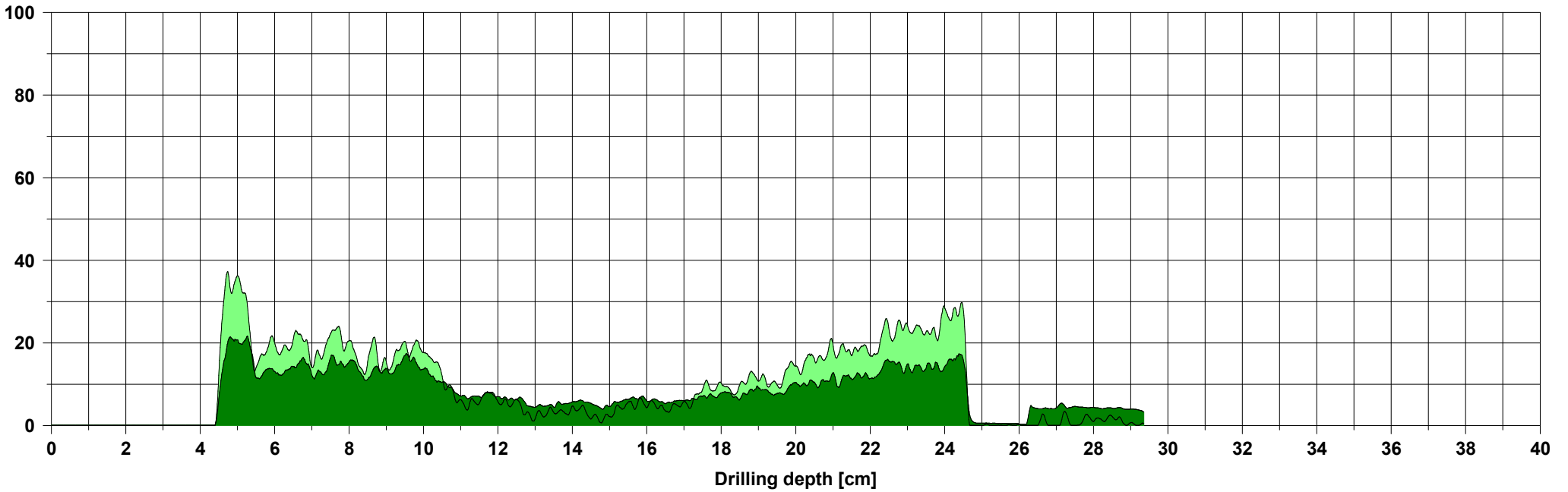
Assessment

Comment

### Measuring / object data

Measurement no.:	152	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.10.3A	Needle state:	---	Level	:
Drilling depth	: 29,35 cm	Tilt	: -2°	Direction:	
Date	: 02.04.2025	Offset	: 86 / 255	Species	:
Time	: 10:33:48	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



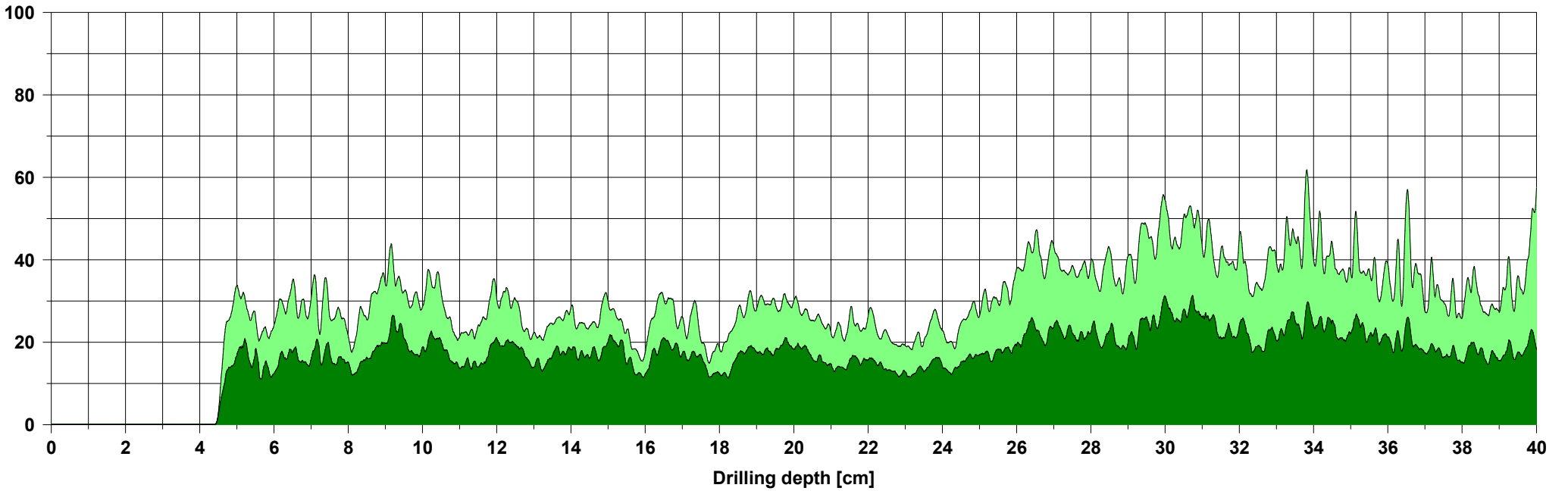
### Assessment

### Comment

### Measuring / object data

Measurement no.:	153	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.10.3A1	Needle state:	---	Level	:
Drilling depth	: 40,07 cm	Tilt	: +66°	Direction:	
Date	: 02.04.2025	Offset	: 102 / 247	Species	:
Time	: 10:34:45	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



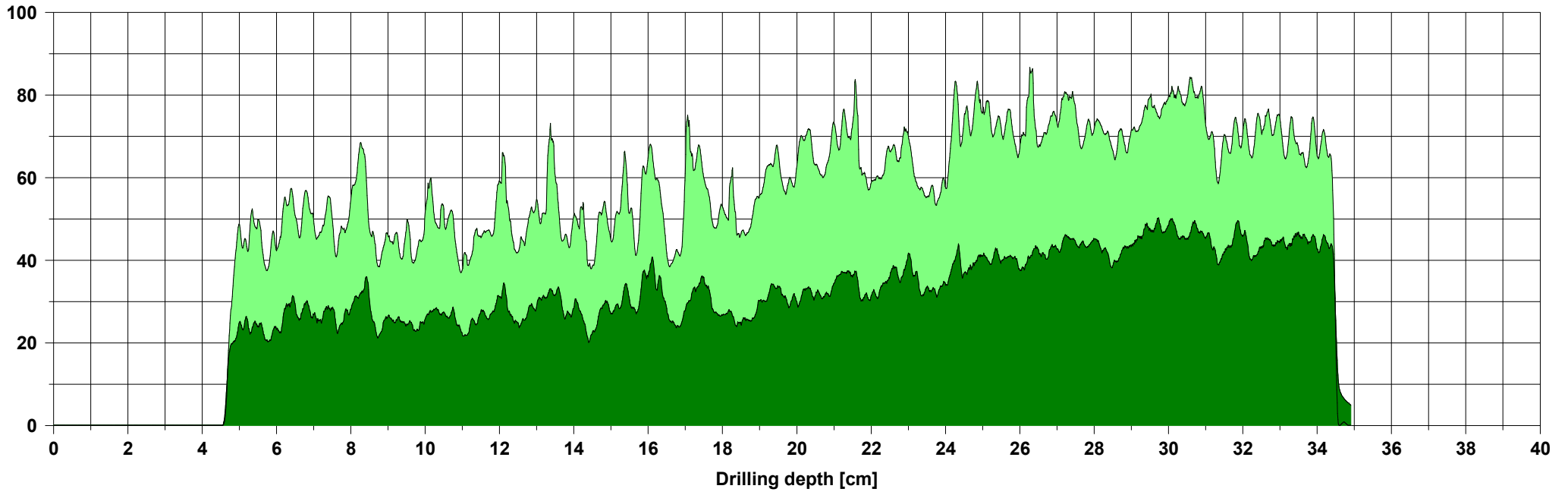
Assessment

Comment

### Measuring / object data

Measurement no.:	154	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.10.4A	Needle state:	---	Level	:
Drilling depth	: 34,91 cm	Tilt	: +46°	Direction:	
Date	: 02.04.2025	Offset	: 98 / 247	Species	:
Time	: 10:36:04	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



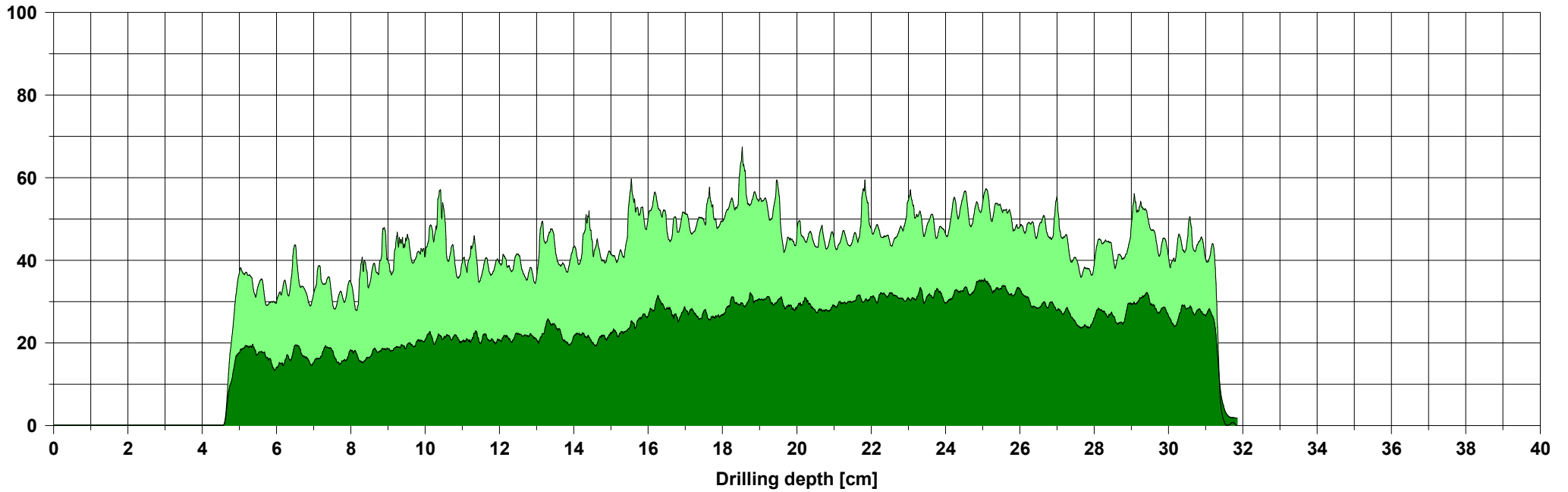
### Assessment

### Comment

### Measuring / object data

Measurement no.:	155	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.11.1A	Needle state:	---	Level	:
Drilling depth	: 31,85 cm	Tilt	: +46°	Direction:	
Date	: 02.04.2025	Offset	: 100 / 253	Species	:
Time	: 10:49:55	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



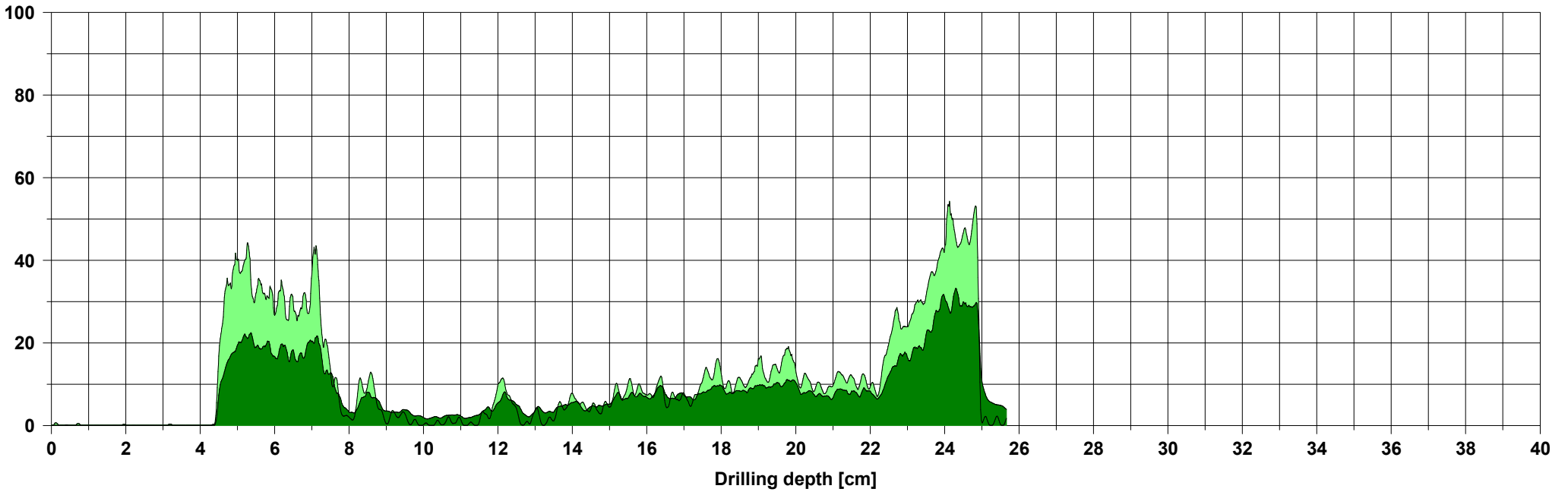
### Assessment

### Comment

### Measuring / object data

Measurement no.:	156	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.11.2A	Needle state:	---	Level	:
Drilling depth	: 25,66 cm	Tilt	: -1°	Direction:	
Date	: 02.04.2025	Offset	: 86 / 248	Species	:
Time	: 10:47:06	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



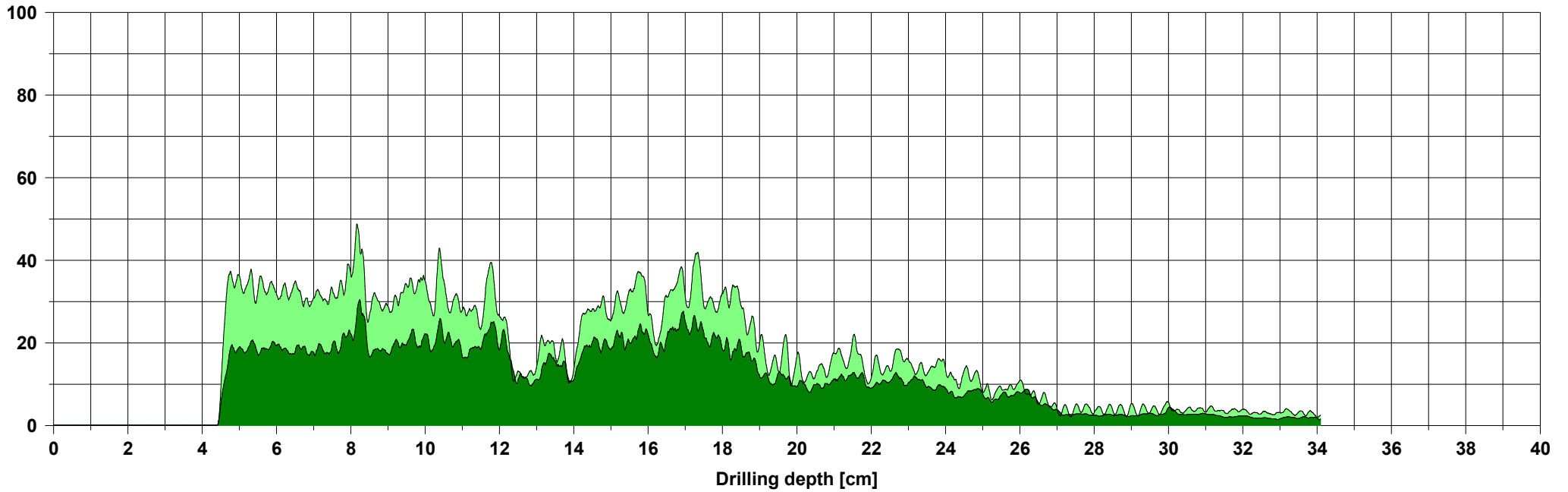
### Assessment

### Comment

### Measuring / object data

Measurement no.:	157	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.11.2A1	Needle state:	---	Level	:
Drilling depth	: 34,09 cm	Tilt	: +70°	Direction:	
Date	: 02.04.2025	Offset	: 102 / 248	Species	:
Time	: 10:47:50	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



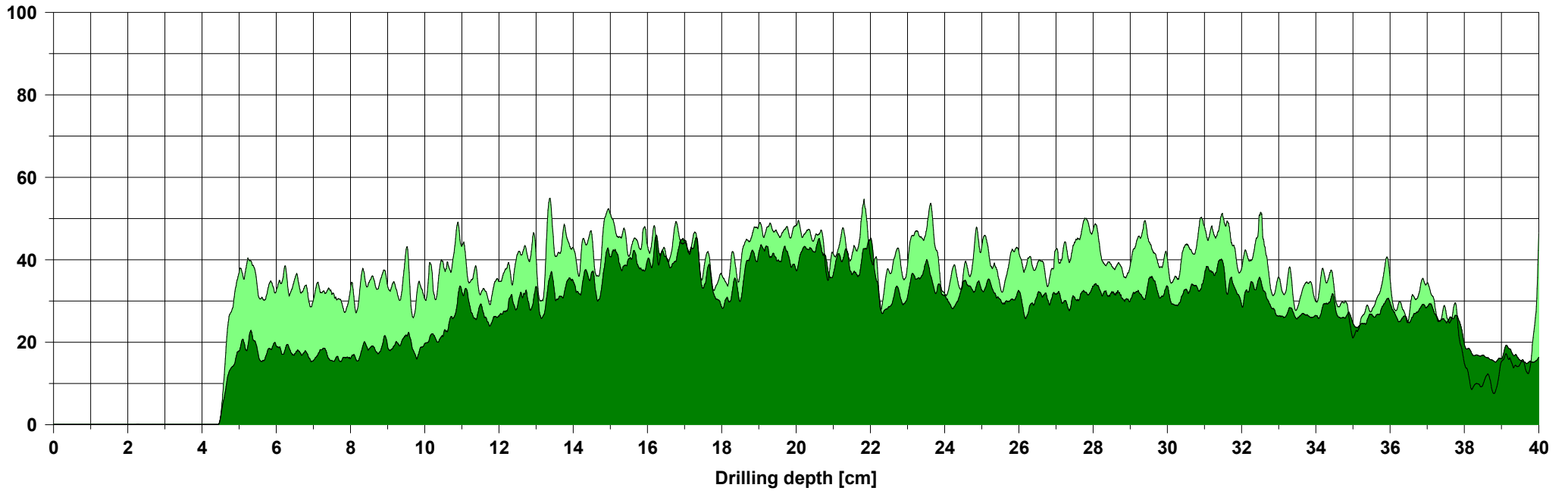
Assessment

Comment

### Measuring / object data

Measurement no.:	158	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.11.2A5	Needle state:	---	Level	:
Drilling depth	: 40,07 cm	Tilt	: +66°	Direction:	
Date	: 02.04.2025	Offset	: 100 / 250	Species	:
Time	: 10:48:43	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



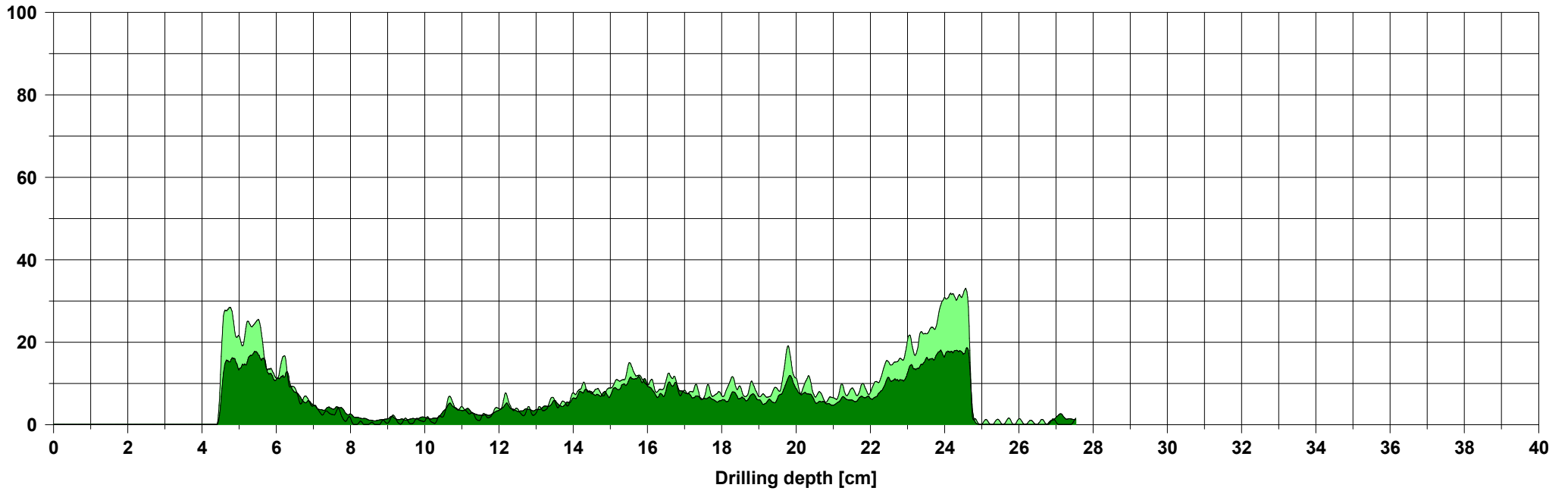
Assessment

Comment

### Measuring / object data

Measurement no.:	159	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.11.3A	Needle state:	---	Level	:
Drilling depth	: 27,54 cm	Tilt	: -3°	Direction:	
Date	: 02.04.2025	Offset	: 83 / 248	Species	:
Time	: 10:40:19	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



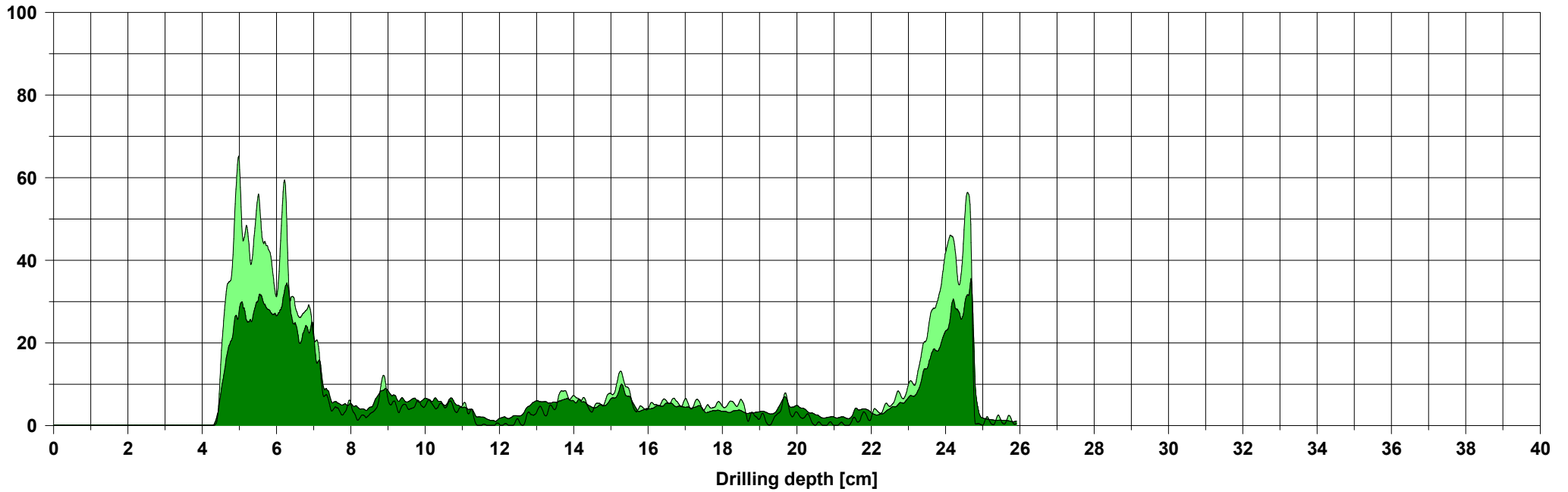
### Assessment

### Comment

### Measuring / object data

Measurement no.:	160	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.11.3A/B	Needle state:	---	Level	:
Drilling depth	: 25,91 cm	Tilt	: -2°	Direction:	
Date	: 02.04.2025	Offset	: 85 / 251	Species	:
Time	: 10:41:34	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



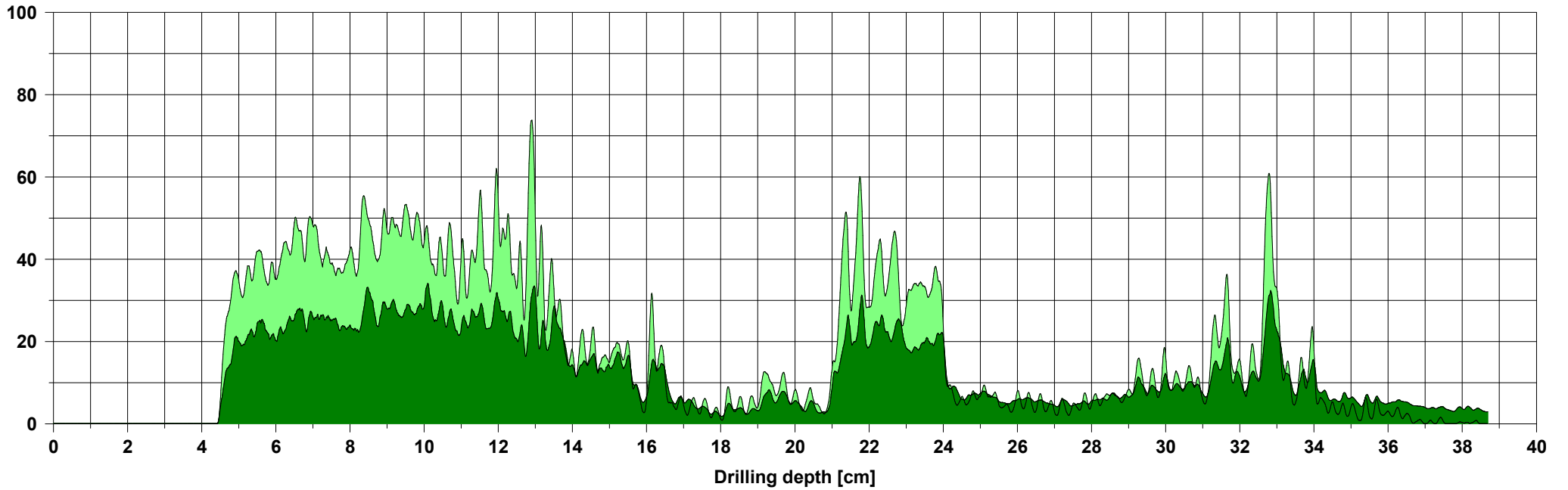
### Assessment

### Comment

### Measuring / object data

Measurement no.:	161	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.11.3A1	Needle state:	---	Level	:
Drilling depth	: 38,69 cm	Tilt	: +67°	Direction:	
Date	: 02.04.2025	Offset	: 107 / 245	Species	:
Time	: 10:42:19	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



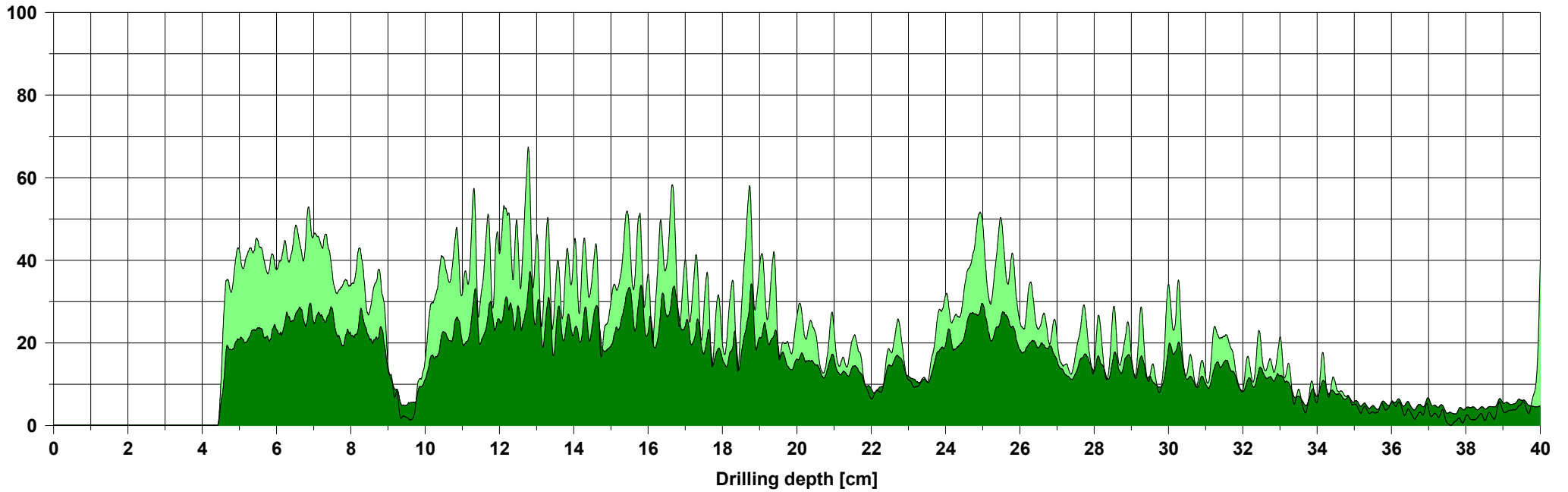
### Assessment

### Comment

### Measuring / object data

Measurement no.:	162	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.11.3A3	Needle state:	---	Level	:
Drilling depth	: 40,07 cm	Tilt	: +68°	Direction:	
Date	: 02.04.2025	Offset	: 102 / 247	Species	:
Time	: 10:43:21	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



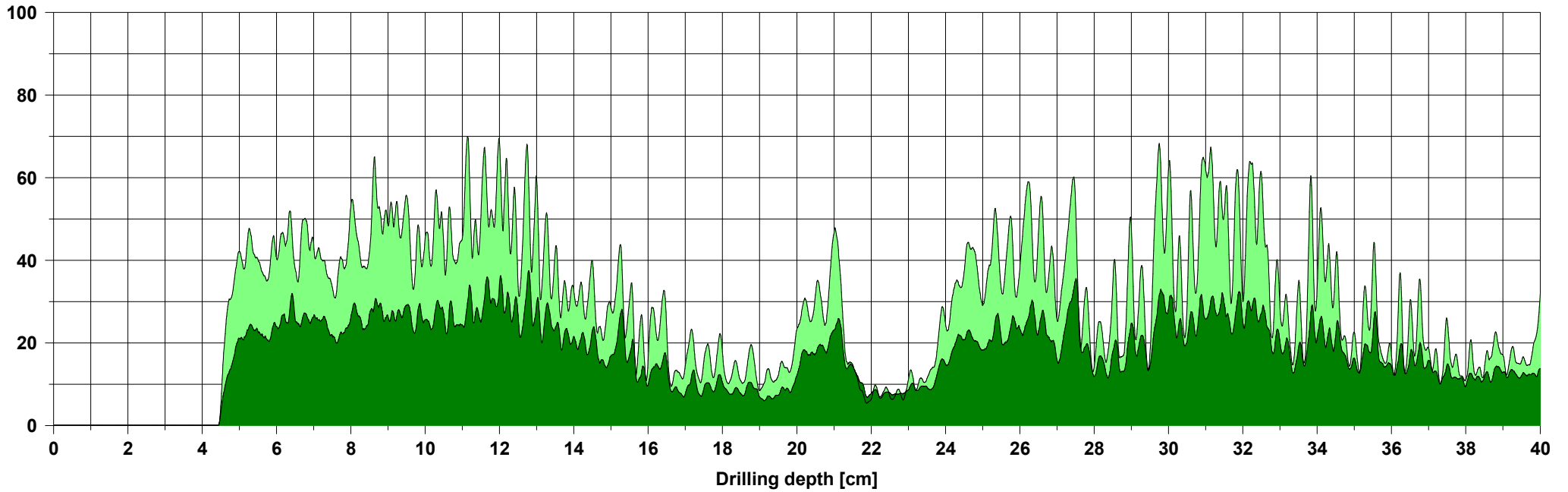
### Assessment

### Comment

### Measuring / object data

Measurement no.:	163	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.11.3A10	Needle state:	---	Level	:
Drilling depth	: 40,07 cm	Tilt	: +72°	Direction:	
Date	: 02.04.2025	Offset	: 102 / 248	Species	:
Time	: 10:44:26	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



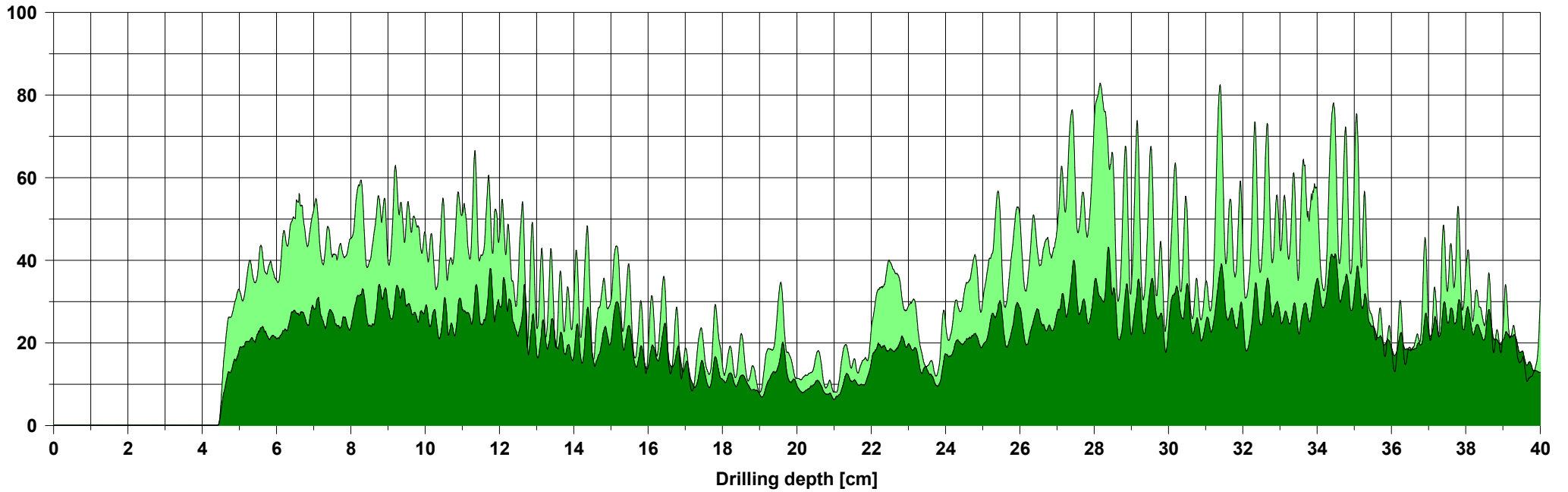
### Assessment

### Comment

### Measuring / object data

Measurement no.:	164	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.11.3A15	Needle state:	---	Level	:
Drilling depth	: 40,07 cm	Tilt	: +70°	Direction:	
Date	: 02.04.2025	Offset	: 101 / 254	Species	:
Time	: 10:45:36	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

Amplitude [%]



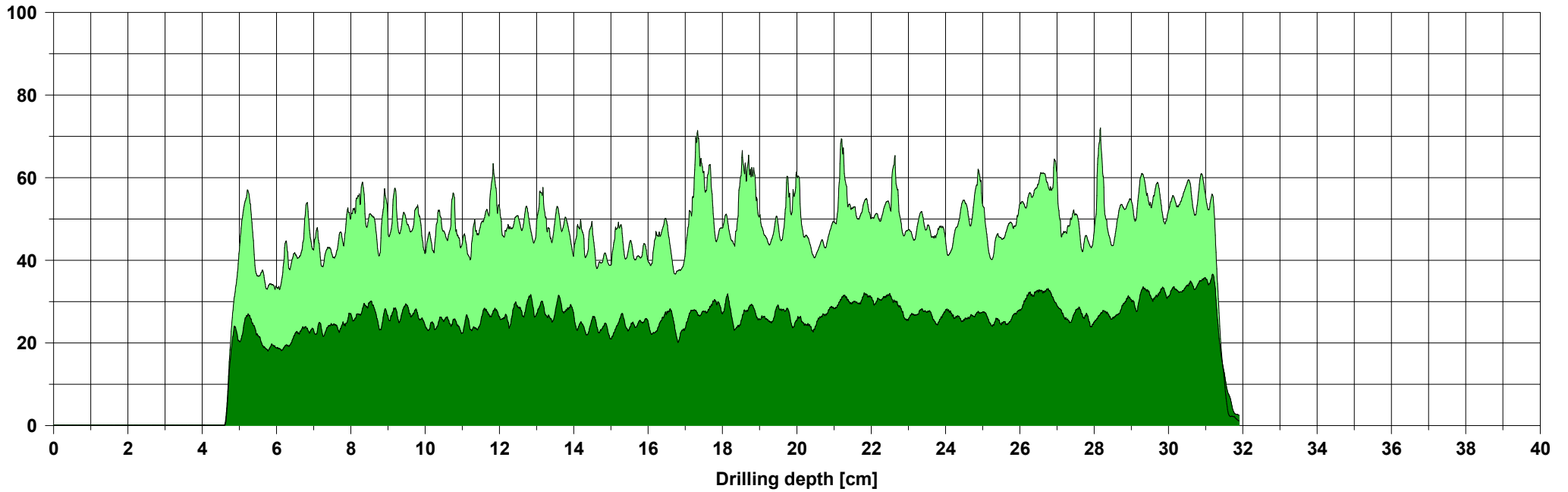
Assessment

Comment

### Measuring / object data

Measurement no.:	165	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.11.4A	Needle state:	---	Level	:
Drilling depth	: 31,90 cm	Tilt	: +44°	Direction:	
Date	: 02.04.2025	Offset	: 95 / 249	Species	:
Time	: 10:38:16	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



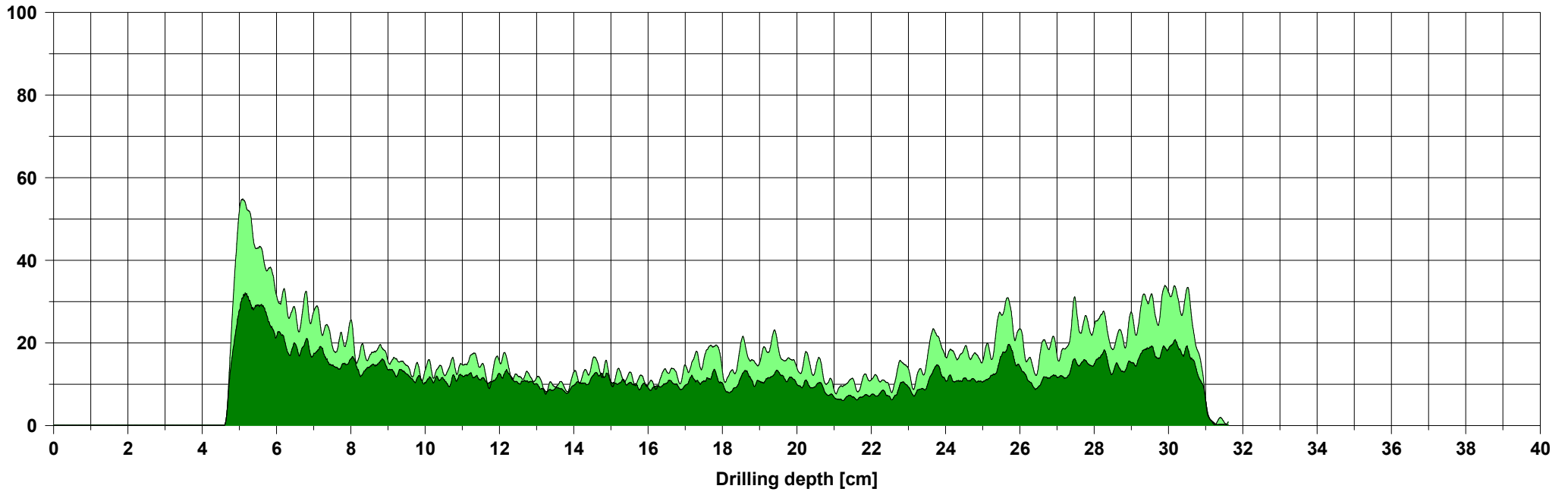
Assessment

Comment

### Measuring / object data

Measurement no.:	166	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.12.1A	Needle state:	---	Level	:
Drilling depth	: 31,61 cm	Tilt	: +43°	Direction:	
Date	: 02.04.2025	Offset	: 100 / 243	Species	:
Time	: 10:51:42	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



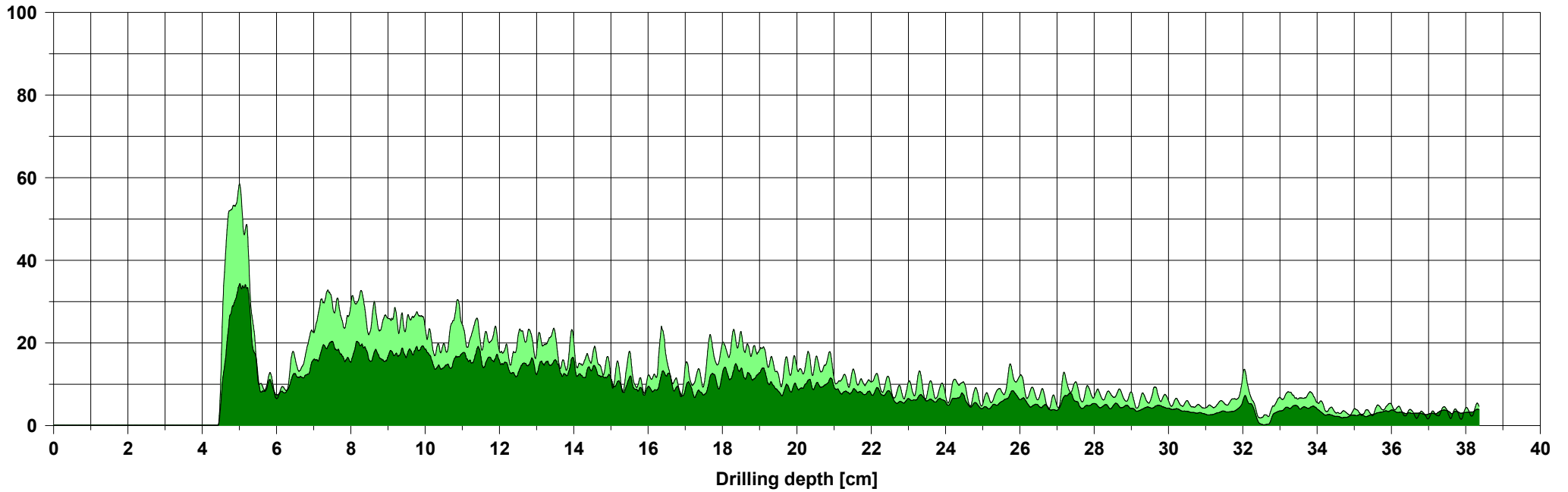
Assessment

Comment

### Measuring / object data

Measurement no.:	167	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.12.1A1	Needle state:	---	Level	:
Drilling depth	: 38,36 cm	Tilt	: +90°	Direction:	
Date	: 02.04.2025	Offset	: 103 / 245	Species	:
Time	: 10:52:34	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



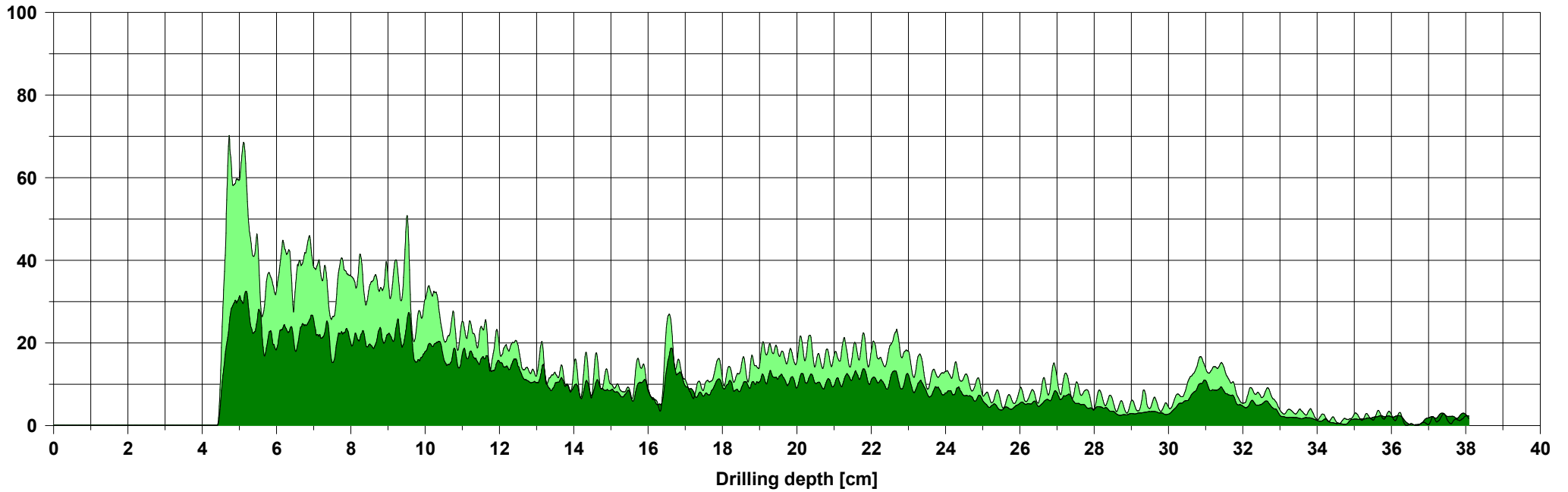
Assessment

Comment

### Measuring / object data

Measurement no.:	168	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.12.1A5	Needle state:	---	Level	:
Drilling depth	: 38,08 cm	Tilt	: +90°	Direction:	
Date	: 02.04.2025	Offset	: 104 / 241	Species	:
Time	: 10:53:38	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



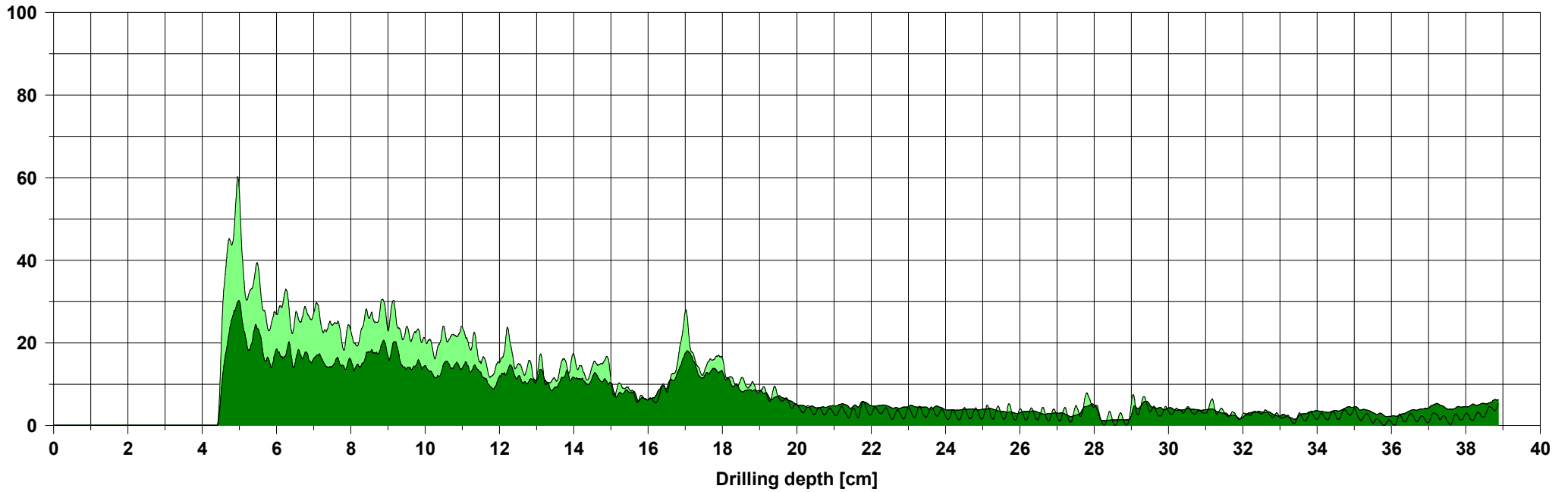
### Assessment

### Comment

### Measuring / object data

Measurement no.:	169	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.12.1A30	Needle state:	---	Level	:
Drilling depth	: 38,87 cm	Tilt	: +90°	Direction:	
Date	: 02.04.2025	Offset	: 106 / 246	Species	:
Time	: 10:54:49	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



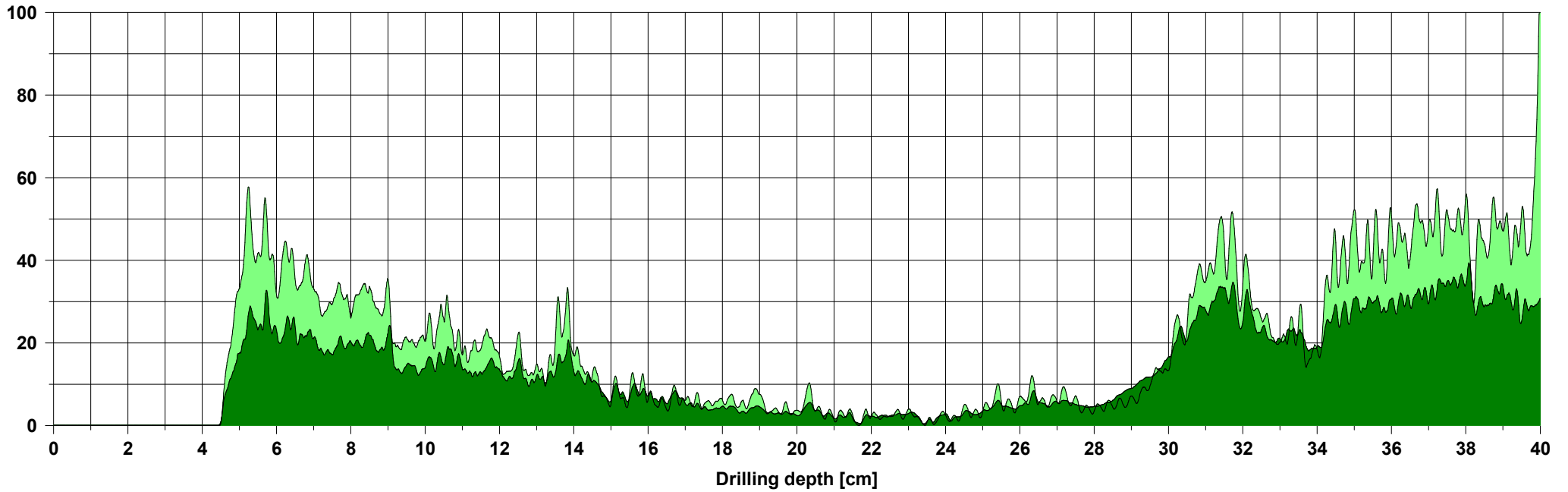
### Assessment

### Comment

### Measuring / object data

Measurement no.:	170	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.12.1A40	Needle state:	---	Level	:
Drilling depth	: 40,07 cm	Tilt	: +67°	Direction:	
Date	: 02.04.2025	Offset	: 121 / 246	Species	:
Time	: 11:49:57	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

Amplitude [%]



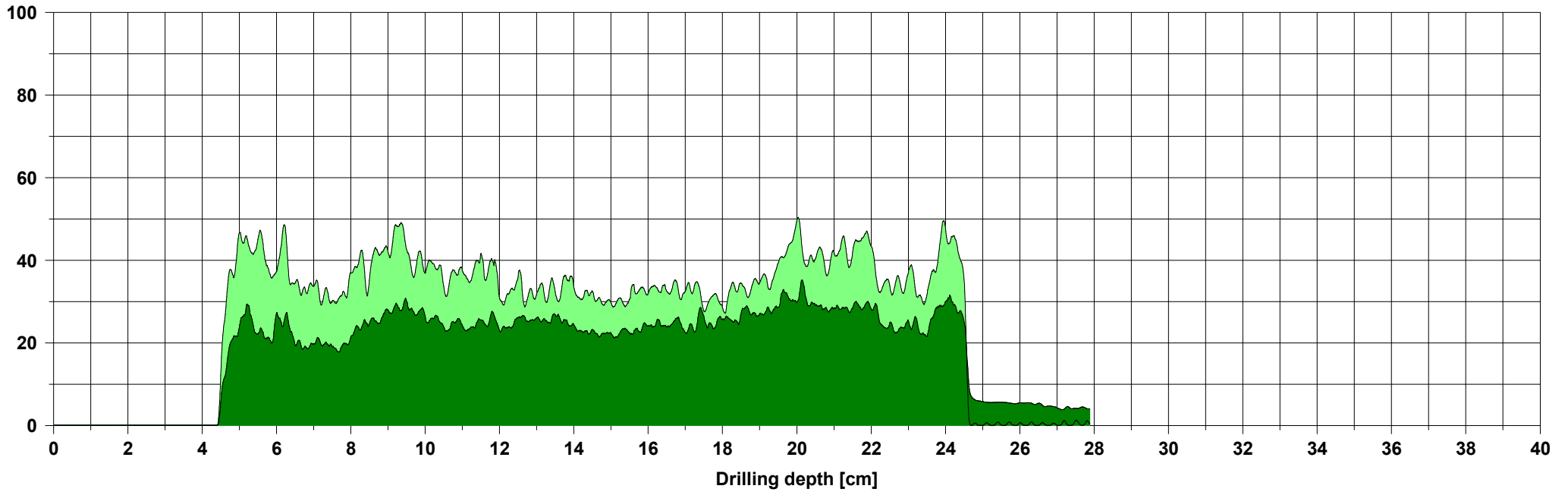
Assessment

Comment

### Measuring / object data

Measurement no.:	171	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.12.2A	Needle state:	---	Level	:
Drilling depth	: 27,88 cm	Tilt	: -2°	Direction:	
Date	: 02.04.2025	Offset	: 89 / 246	Species	:
Time	: 10:58:16	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



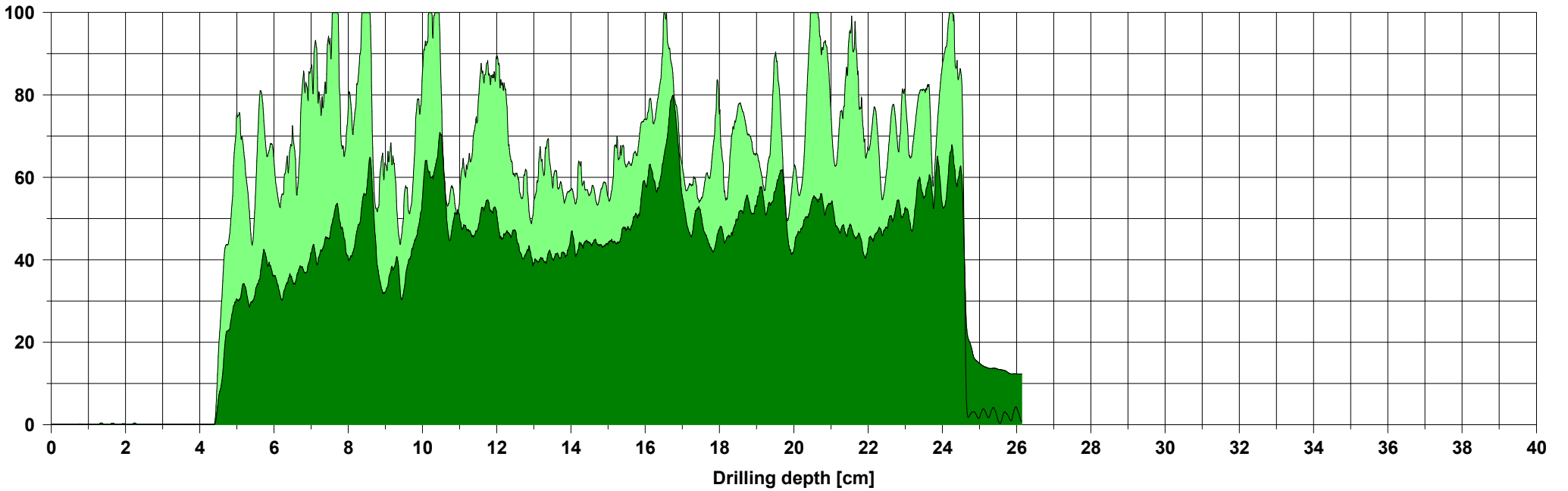
### Assessment

### Comment

### Measuring / object data

Measurement no.:	172	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.12.3A	Needle state:	---	Level	:
Drilling depth	: 26,14 cm	Tilt	: +3°	Direction:	
Date	: 02.04.2025	Offset	: 109 / 255	Species	:
Time	: 11:51:19	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



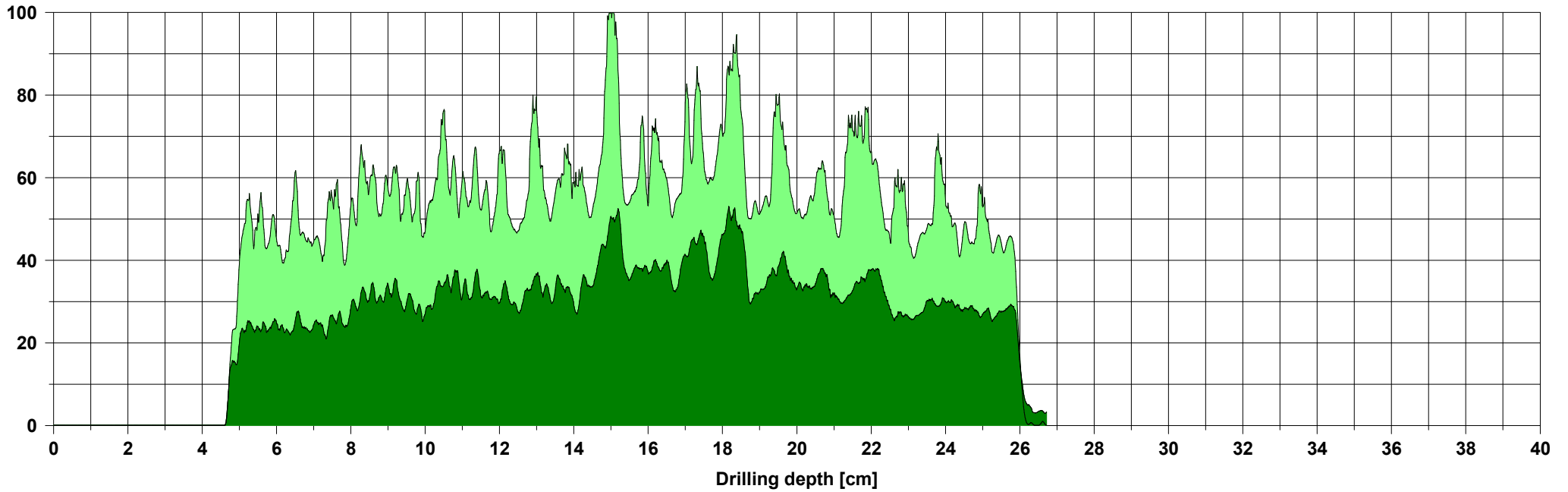
Assessment

Comment

### Measuring / object data

Measurement no.:	173	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.12.4A	Needle state:	---	Level	:
Drilling depth	: 26,72 cm	Tilt	: +46°	Direction:	
Date	: 02.04.2025	Offset	: 118 / 255	Species	:
Time	: 11:53:11	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



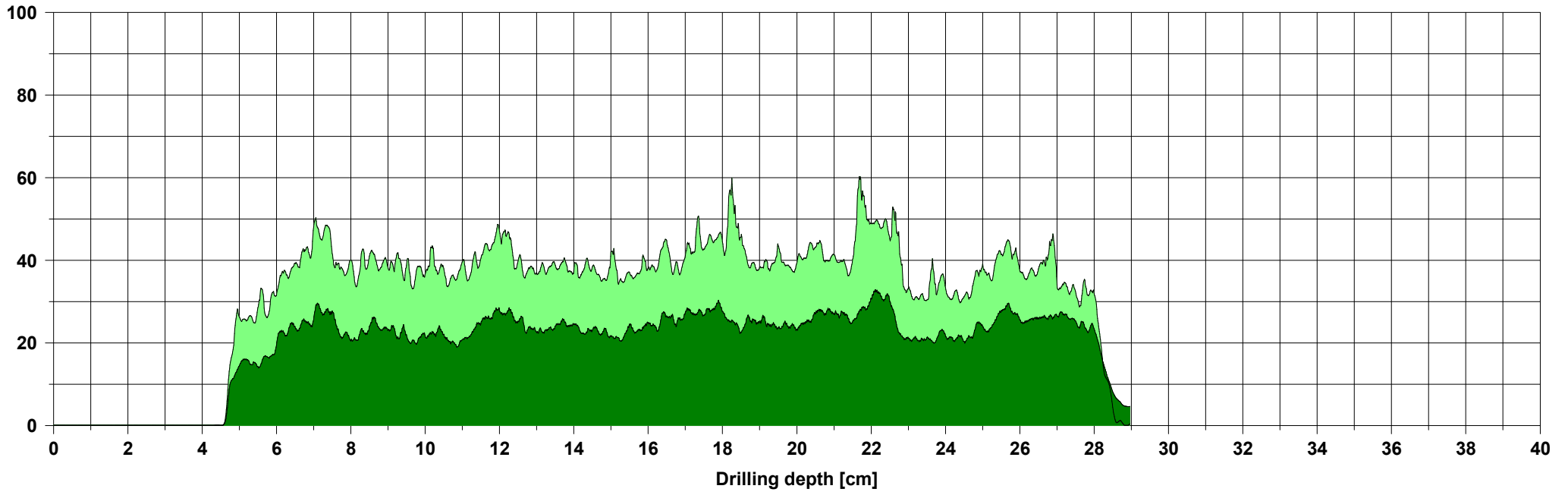
### Assessment

### Comment

### Measuring / object data

Measurement no.:	174	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.13.1A	Needle state:	---	Level	:
Drilling depth	: 28,96 cm	Tilt	: +45°	Direction:	
Date	: 02.04.2025	Offset	: 109 / 253	Species	:
Time	: 12:03:16	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



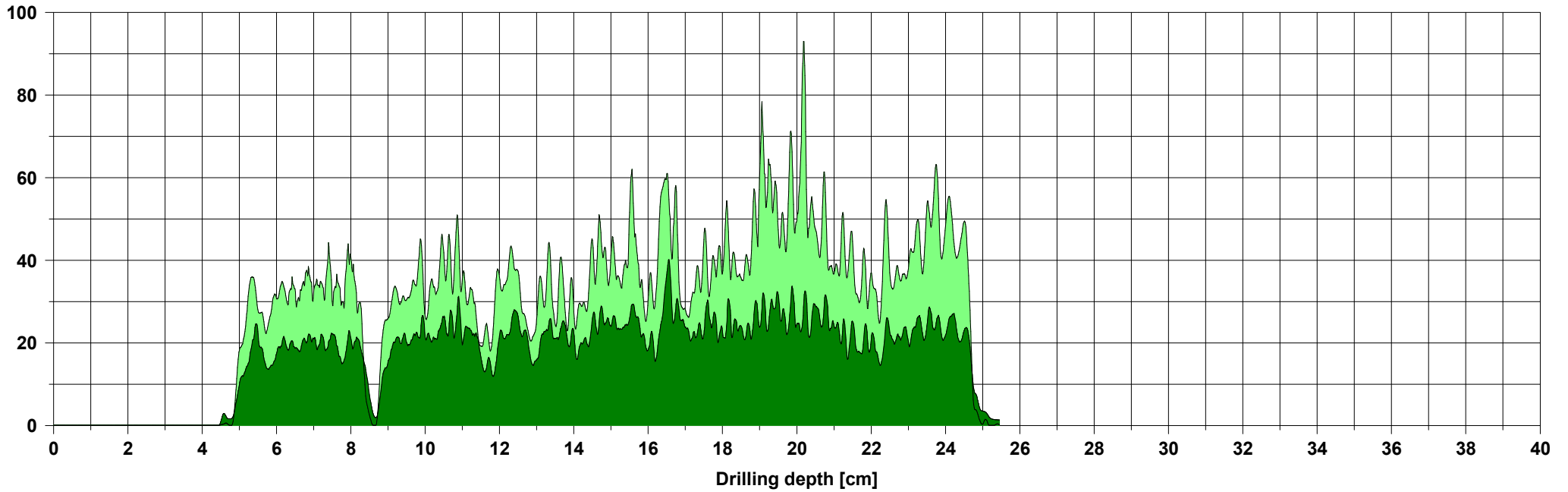
### Assessment

### Comment

### Measuring / object data

Measurement no.:	175	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.13.2A	Needle state:	---	Level	:
Drilling depth	: 25,45 cm	Tilt	: +2°	Direction:	
Date	: 02.04.2025	Offset	: 105 / 253	Species	:
Time	: 12:00:00	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



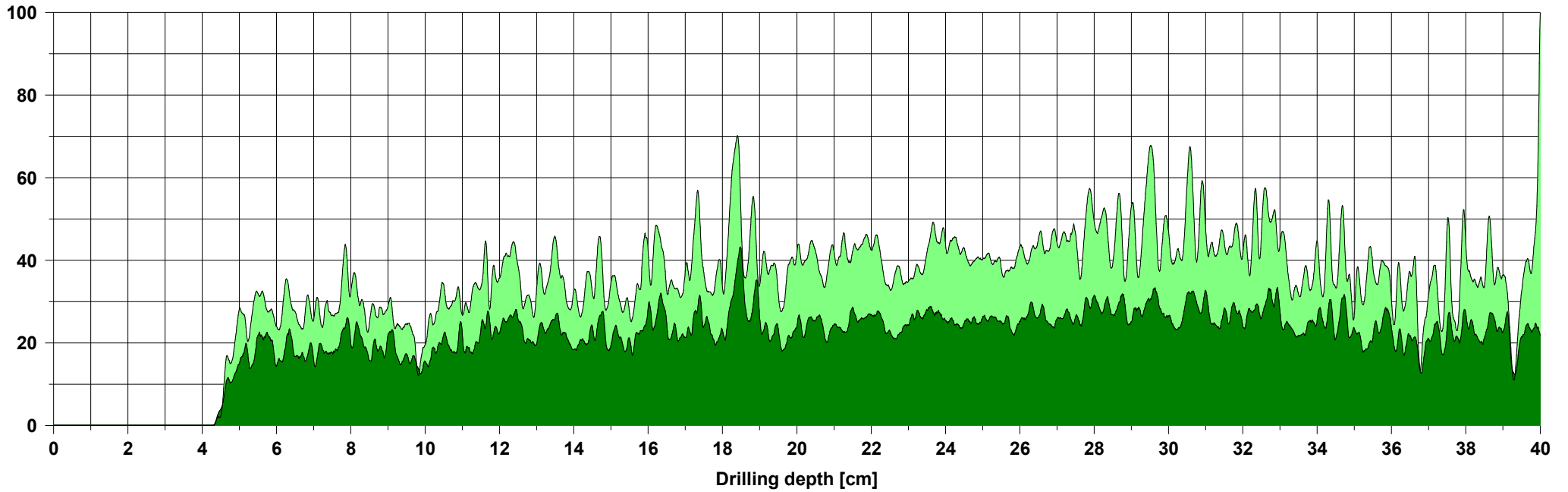
Assessment

Comment

### Measuring / object data

Measurement no.:	176	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.13.2A1	Needle state:	---	Level	:
Drilling depth	: 40,07 cm	Tilt	: +72°	Direction:	
Date	: 02.04.2025	Offset	: 118 / 251	Species	:
Time	: 12:01:28	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



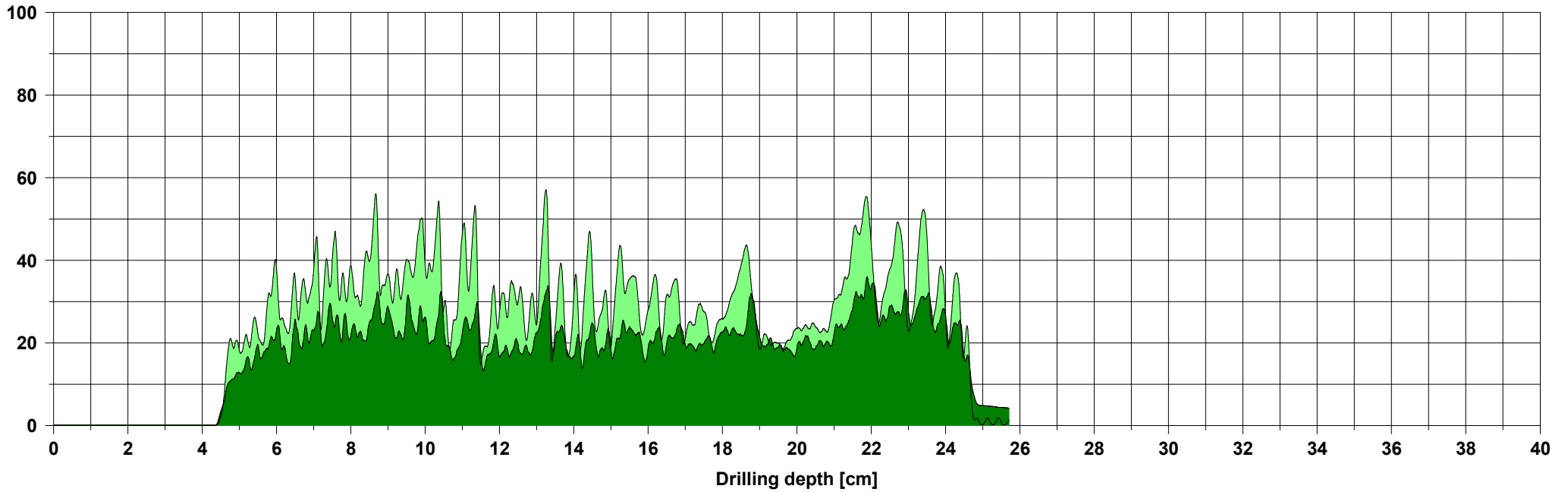
Assessment

Comment

### Measuring / object data

Measurement no.:	177	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.13.3A	Needle state:	---	Level	:
Drilling depth	: 25,71 cm	Tilt	: -3°	Direction:	
Date	: 02.04.2025	Offset	: 100 / 251	Species	:
Time	: 11:57:36	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



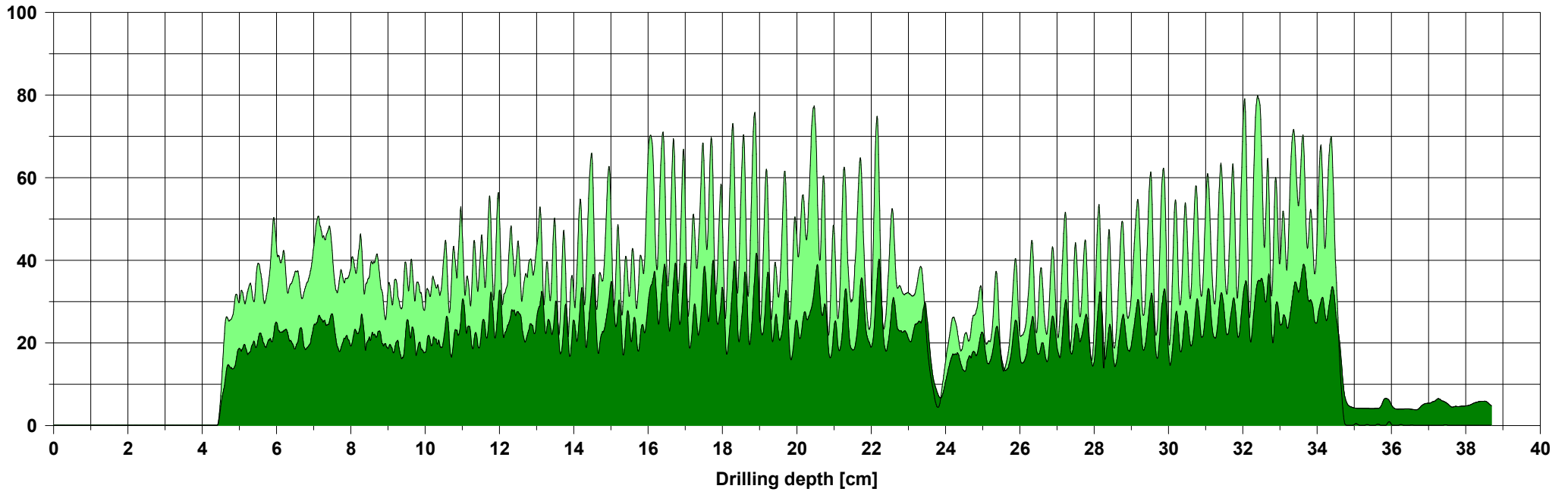
### Assessment

### Comment

### Measuring / object data

Measurement no.:	178	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.13.3A1	Needle state:	---	Level	:
Drilling depth	: 38,69 cm	Tilt	: +68°	Direction:	
Date	: 02.04.2025	Offset	: 119 / 248	Species	:
Time	: 11:58:44	Avg. curve	: off / off	Location:	
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



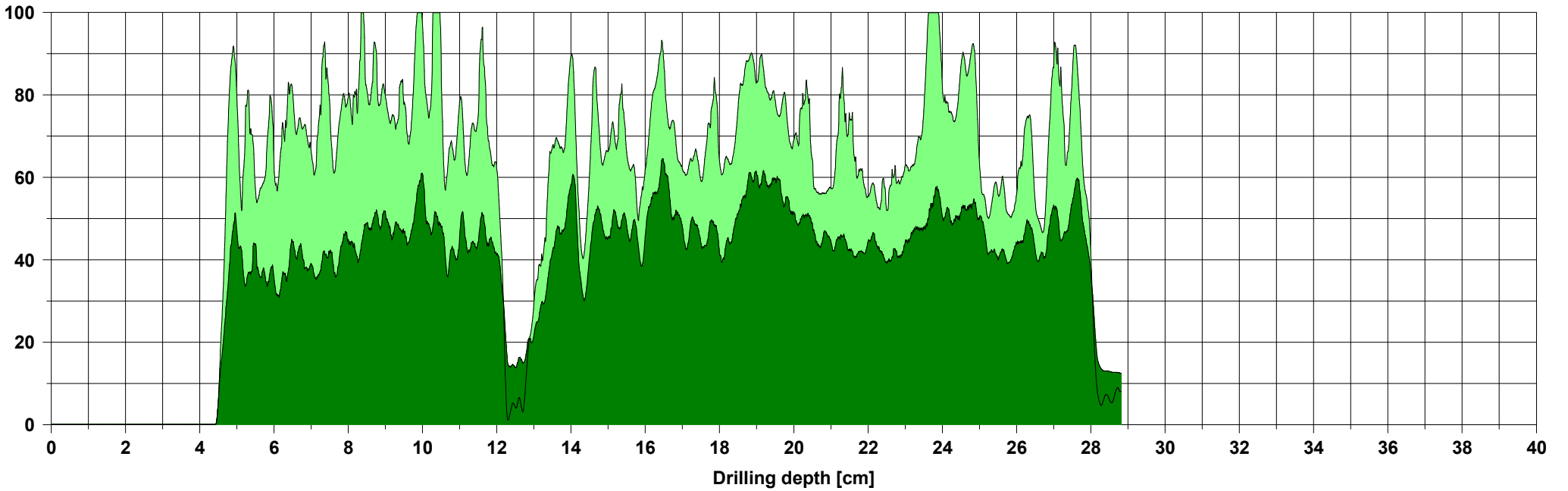
### Assessment

### Comment

### Measuring / object data

Measurement no.:	179	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.13.4A	Needle state:	---	Level	:
Drilling depth	: 28,82 cm	Tilt	: +46°	Direction:	
Date	: 02.04.2025	Offset	: 112 / 253	Species	:
Time	: 11:54:29	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



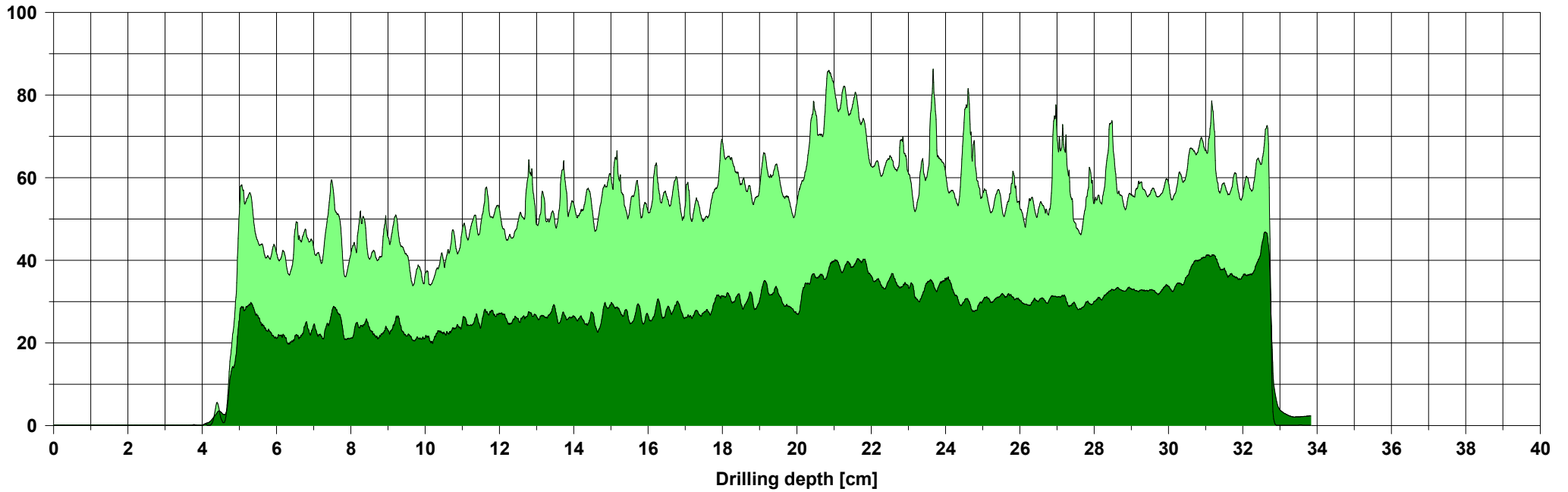
Assessment

Comment

### Measuring / object data

Measurement no.:	180	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.14.1A	Needle state:	---	Level	:
Drilling depth	: 33,83 cm	Tilt	: +46°	Direction:	
Date	: 02.04.2025	Offset	: 107 / 252	Species	:
Time	: 12:06:16	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



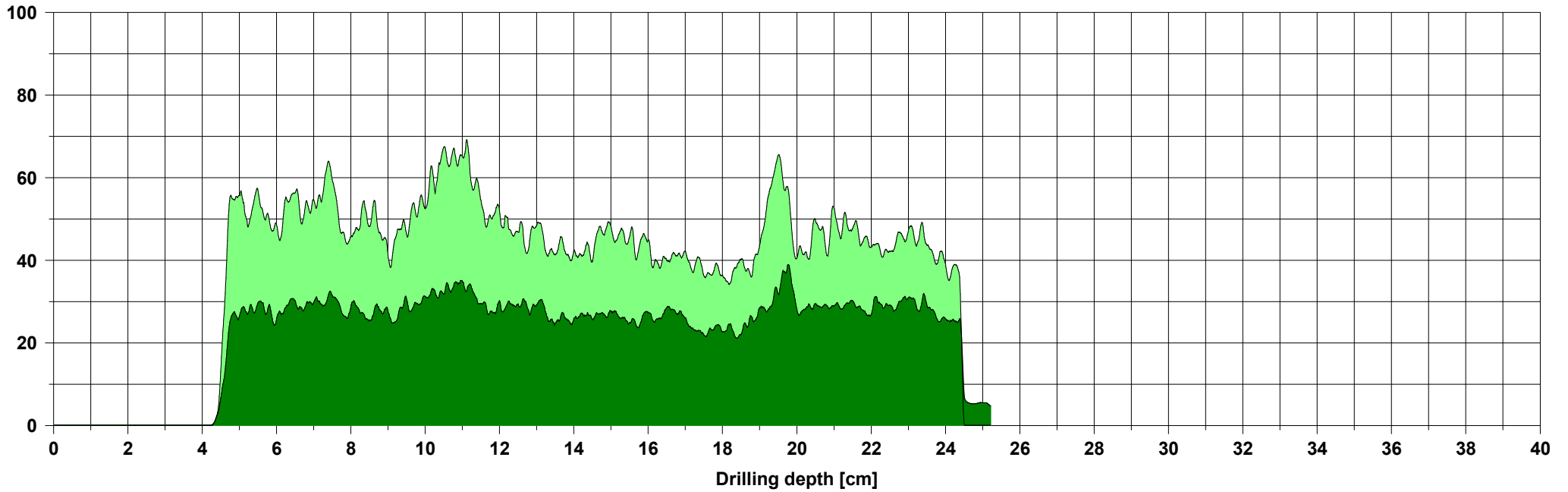
Assessment

Comment

### Measuring / object data

Measurement no.:	181	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.14.2A	Needle state:	---	Level	:
Drilling depth	: 25,22 cm	Tilt	: 0°	Direction:	
Date	: 02.04.2025	Offset	: 90 / 254	Species	:
Time	: 12:07:47	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



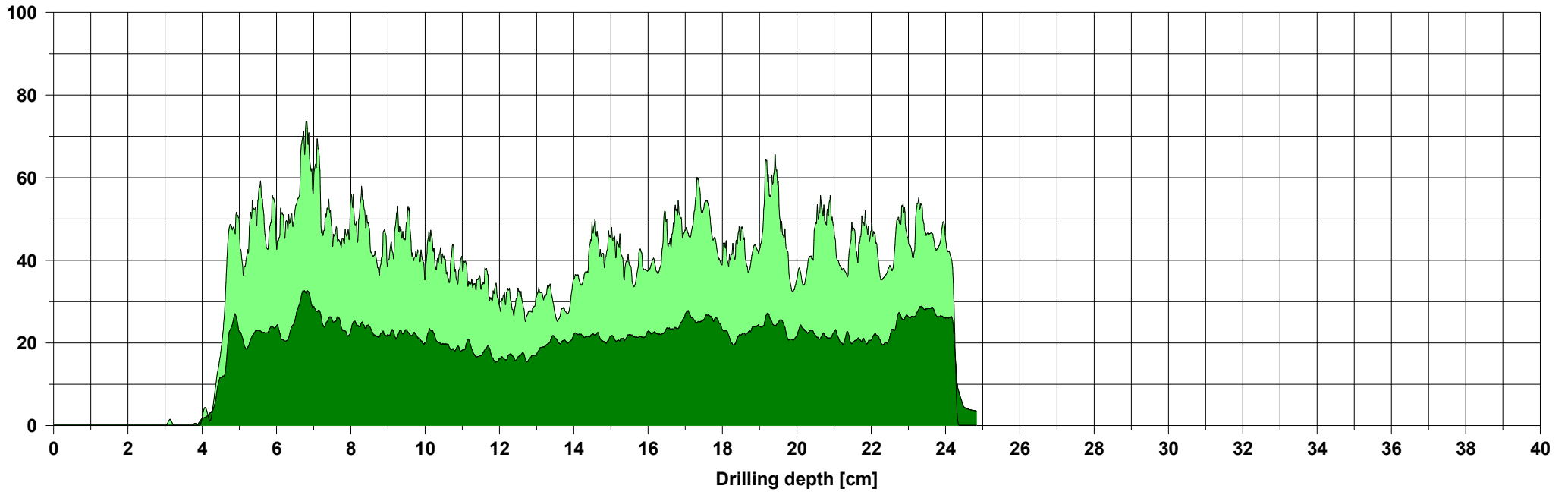
### Assessment

### Comment

### Measuring / object data

Measurement no.:	182	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.14.3A	Needle state:	---	Level	:
Drilling depth	: 24,83 cm	Tilt	: +5°	Direction:	
Date	: 02.04.2025	Offset	: 97 / 255	Species	:
Time	: 12:08:34	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



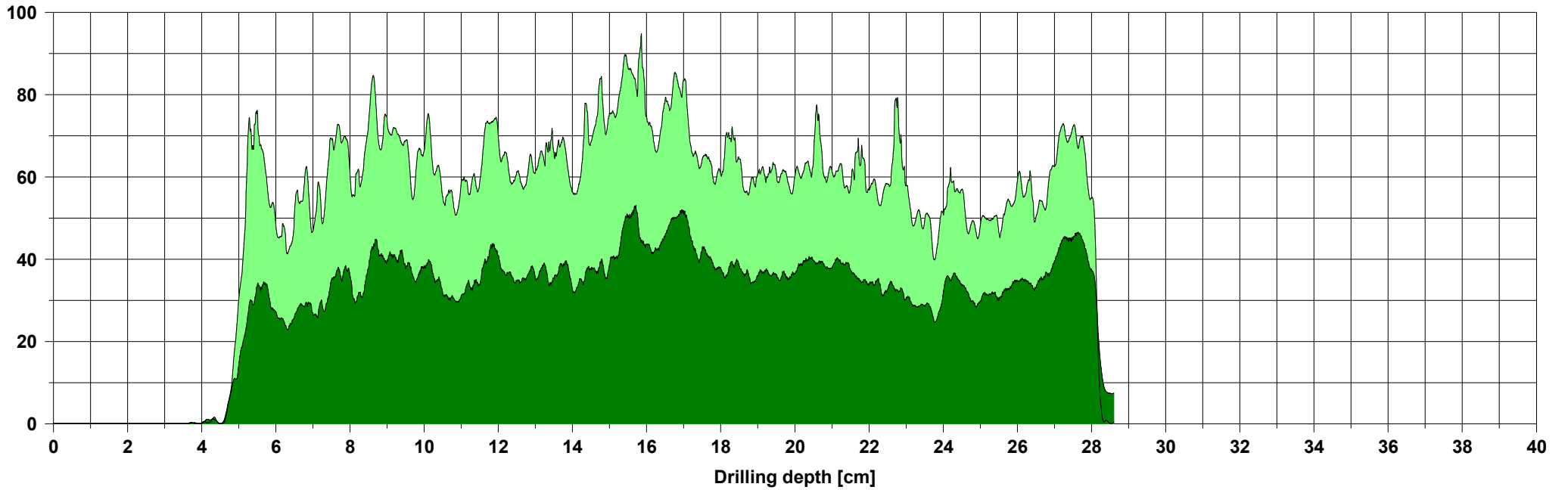
### Assessment

### Comment

### Measuring / object data

Measurement no.:	183	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.14.4A	Needle state:	---	Level	:
Drilling depth	: 28,60 cm	Tilt	: +45°	Direction:	
Date	: 02.04.2025	Offset	: 105 / 254	Species	:
Time	: 12:09:42	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



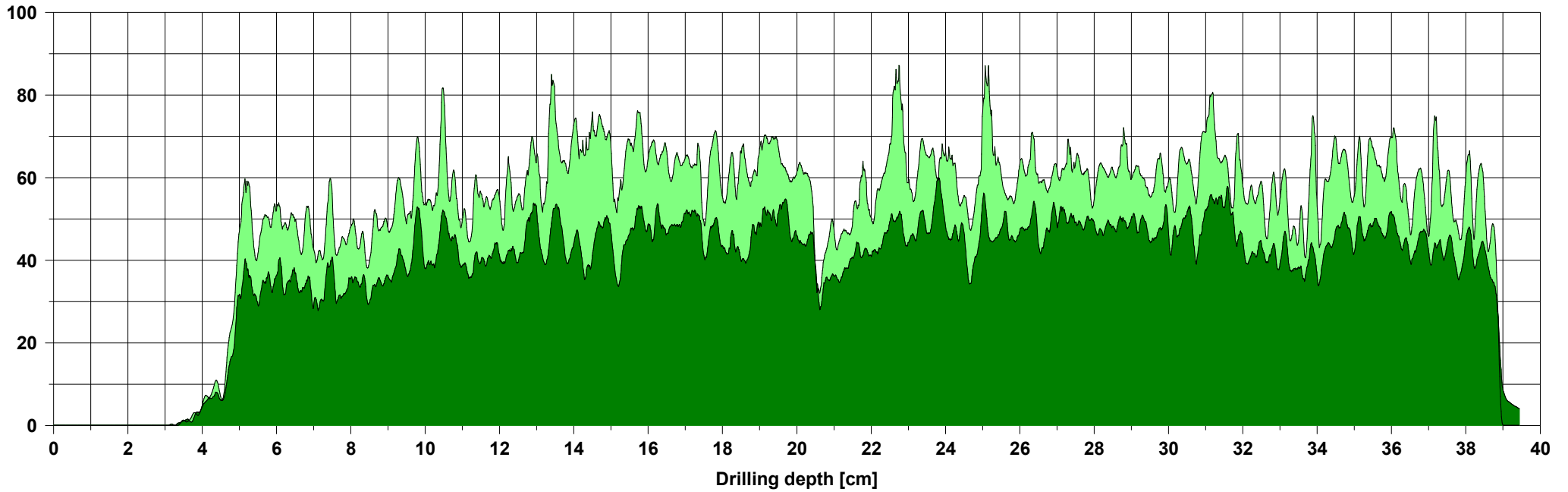
### Assessment

### Comment

### Measuring / object data

Measurement no.:	184	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.15.1A	Needle state:	---	Level	:
Drilling depth	: 39,44 cm	Tilt	: +46°	Direction:	
Date	: 02.04.2025	Offset	: 102 / 264	Species	:
Time	: 12:20:53	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



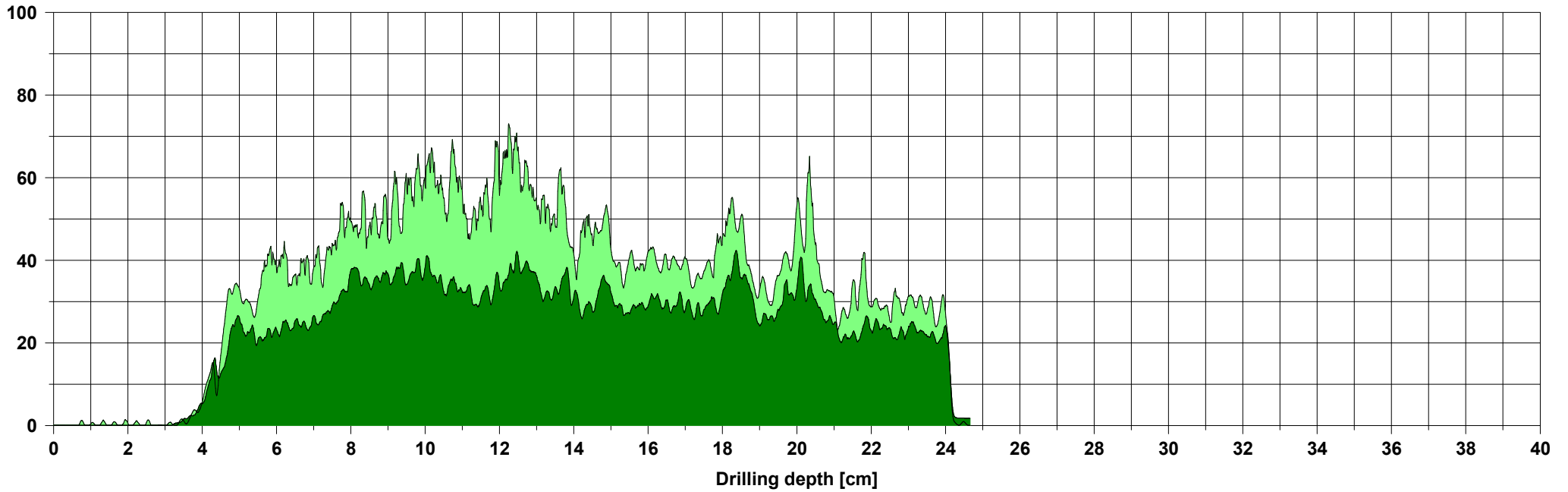
### Assessment

### Comment

### Measuring / object data

Measurement no.:	185	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.15.2A	Needle state:	---	Level	:
Drilling depth	: 24,66 cm	Tilt	: +6°	Direction:	
Date	: 02.04.2025	Offset	: 91 / 250	Species	:
Time	: 12:19:40	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



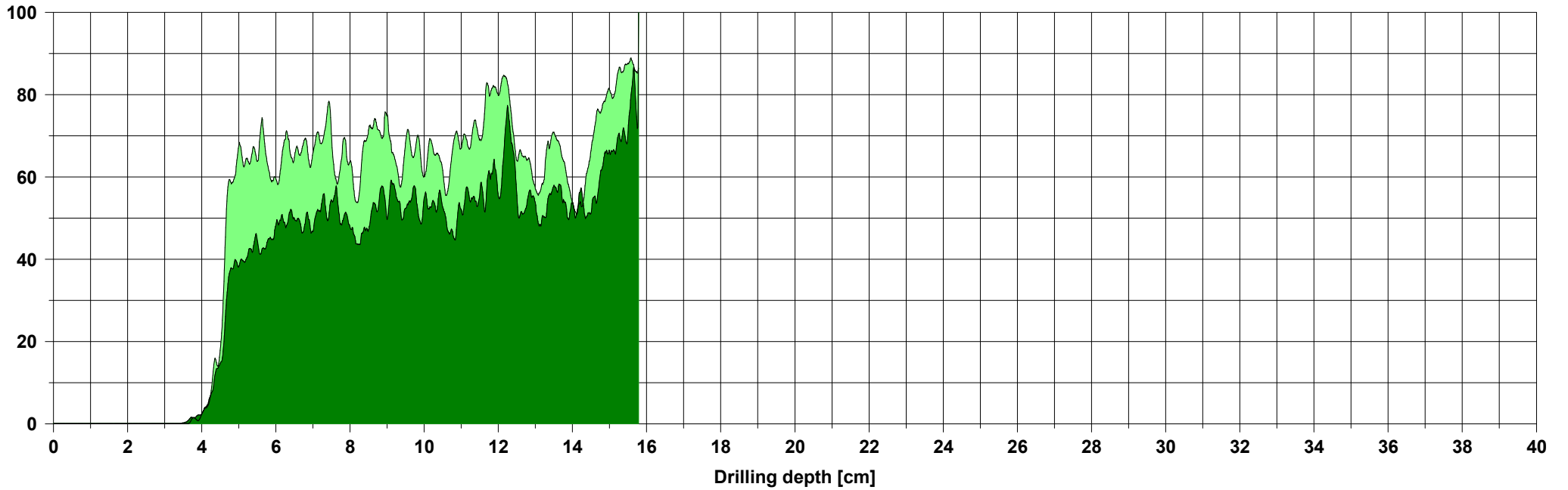
### Assessment

### Comment

### Measuring / object data

Measurement no.:	186	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.15.3A	Needle state:	---	Level	:
Drilling depth	: 15,78 cm	Tilt	: 0°	Direction:	
Date	: 02.04.2025	Offset	: 86 / 248	Species	:
Time	: 12:18:46	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

### Amplitude [%]



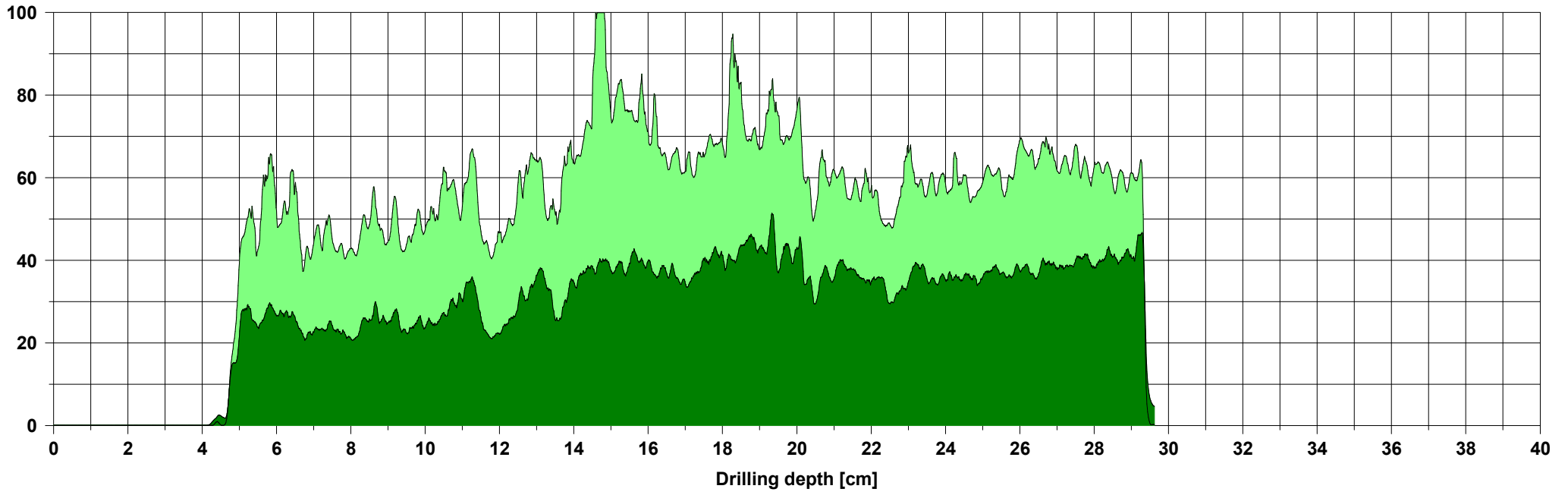
### Assessment

### Comment

### Measuring / object data

Measurement no.:	187	Speed	: 2500 r/min	Diameter:	
ID number	: BR.1.15.4A	Needle state:	---	Level	:
Drilling depth	: 29,62 cm	Tilt	: +45°	Direction:	
Date	: 02.04.2025	Offset	: 106 / 253	Species	:
Time	: 12:11:07	Avg. curve	: off / off	Location	:
Feed	: 100 cm/min	Name	:		

Amplitude [%]



Assessment

Comment