



## Program details

## ARTICLE NUMBER

ggu-03-102

## OPERATING SYSTEM

Windows 2000/XP/Vista/7

## Description

**GGU-BORELOG** – Input and Visualisation of Bore Log Data to DIN 4022, or ISO 14688-1 and ISO 14689-1.

### Capabilities:

- Visualisation of bore logs to either DIN 4022 or ISO 14688-1 and 14689-1
- Data transfer to GGU-STRATIG (= once-only data input)
- Import and generate LBEG (Landesamt für Bergbau, Energie und Geologie, formerly NLfB) Hannover SEP 2 data format
- Use of user-defined codes for rapid strata input
- Project-specific input of basic data for all annexes
- Automatic annex and page number generation
- Automatic adaption of page format for printed output
- Print or copy screen sections, e.g. for transfer to a word processor
- Integrated Mini-CAD system for additional annotation of graphics

The screenshot shows the GGU-BORELOG software interface. The main window displays a bore log table with columns for depth, soil type, and remarks. A dialog box titled "Designation: B 1 Horizon no. 1" is open, allowing the user to input details for a specific horizon, including depth, designation, and soil type.

1	2	3	4	5	6
To	a) Designation of soil type and accessories	Remarks Special sample Water Drilling tools Core loss Misc.	Extracted samples		
... m below ground level	b) Supplementary remark <sup>1)</sup>		Type	No.	Depth in m (base of sample)
	c) Condition from cuttings	d) Condition from drilling process	e) Col.		
	f) Usual Designation	g) Geological Designation <sup>1)</sup>	h) <sup>1)</sup> Group	i) Lime content	
0.30	a) medium sand, fine-sandy, humous, 0	moist			
	b) rounded				
	c)	d) easy to drill			
	f) A-horizon, topsoil	g)			
1.80	a) Peat				0.80
	b)				
	c) not composed wet	d) easy to drill			1.00
	f) moor	g) low moor			1.50

The screenshot shows the GGU-BORELOG software interface displaying a report header and a bore log table. The report header includes project information, bore details, and date. The bore log table is similar to the one in the previous screenshot. A dialog box titled "Increase head height" is open, allowing the user to adjust the head height by a specified amount.

1	2	3	4	5	6
To	a) Designation of soil type and accessories	Remarks Special sample Water Drilling tools Core loss Misc.	Extracted samples		
... m below ground level	b) Supplementary remark <sup>1)</sup>		Type	No.	Depth in m (base of sample)
	c) Condition from cuttings	d) easy to drill	e) brown		
	f) A-horizon, topsoil	g)	h) OH	i) O	

PROGRAM GGU-BORELOG  
GIS AND BOREHOLE EVALUATION

Name of Company:		Bore log according to ISO 14688-1 and ISO 14689-1					Page: 3.1
Name of Client:							Exposure: B 1
Drilling method:		Date: 12.09.2001					Project no.: 999.98
Diameter:		Angle:					
Project ID: My town		Name and signature of qualified technician:					
1	2	3	4	5	6	7	
Depth to m	Designation of soil or rock type Additional remarks	Colour Lime content	Description of sample - Consistency, plasticity, hardness, uniaxial strength - grain shape, matrix - Weathering, separation planes, etc.	Description of drilling progress - Drillability/core shape - Chisel work - Observations, etc.	Samples Tests - Type - No. - Depth	Remarks - Water/mud - Drilling tools/casing - Core loss - Core length	
0.30	Geological name (stratigraphy) medium sand, fine-sandy, schwach silty, humous	darkbrown		easy to drill			
	topsoil Quaternary		OH				
1.80	Peat moor Low Moor peat	black O	non-decomposed damp HN	easy to drill	G/2/0.80	Water 1.70 m b surface. Wire, rammed 100 kg /	
6.50	Clay, silty, sandy, stoney Chalk fragments	grey	plastic	easy to drill	S/1/1.00 G/3/2.50	Lift 300 3 Schl/300 Mud auger D 133	
	Boulder clay Weichselian Glacial	++	TL		S/3/3.00	30 Schl/300	
14.90	Medium sand, very fine-gravelly, coarse-sandy	grey	rounded	difficult to drill	S/4/4.50 G/5/8.50	45 Schl/300 Valve auger D 133	
	Sand Saalian Glacial	0			G/6/10.30 G/7/12.50	Water 6.50 m ascending 3.80 b surface	
15.80	Rock, dense	red	medium grain cementation	easy to drill	G/9/15.50	Cross auger D 121	
	Sandstone Lower Thraassic	O				no casing as of 14.90 m Final water level 4-10 m b. surface	