

Example measurement report **without volume evaluation (type A)**



Qualitative condition of the system

Date of recording	July 2, 2024
Weather	Sunny
Water level	At permanent dam level 343.54 m
Water surface	-
Bottom	Hard, concrete (Ristwag box structure)
Embankment	Vertical concrete wall (Ristwag box system)
Surroundings	Shortly mowed
Mud/sediment	Loose, gray

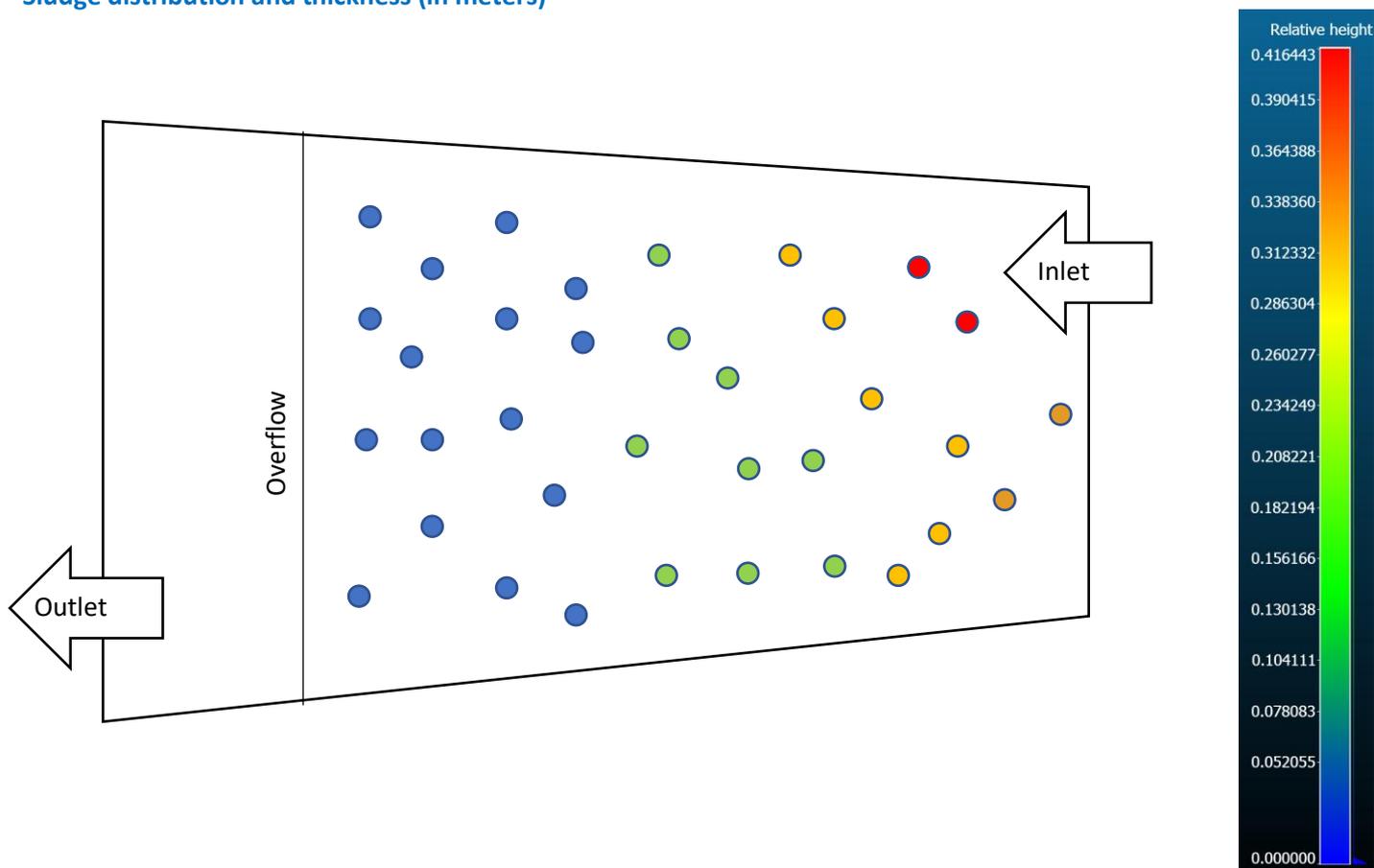
Measurements taken

	Measurements	Comments
Sludge level	Punctual probing	from the shore
Bottom profile	Punctual probing	from the shore
Slope	- none	

Measurements and calculations

	Volume (estimated values)	Sludge	Reference height
Sludge volume	> 40 m ³	Ø 20 cm sludge thickness	
Empty volume up to water level	-	-	
Empty volume up to maximum water level	-	-	
Empty volume up to embankment height	-	-	

Sludge distribution and thickness (in meters)



Example measurement report with volume evaluation (type C)



Qualitative condition of the system

Date of recording	July 1, 2024
Weather	Clear
Water level	141.15 m (corresponding to the bottom level of the outlet).
Water surface	Dense underwater vegetation (weeds), not navigable
Bottom	Lawn grid stones
Embankment	Solid soil with grass, lawn grid stones
Surroundings	Shortly mowed
Mud/sediment	Fine-grained, deep black

Measurements taken

	Measurements	Comments
Sludge level	Sounding from air	
Bottom contour	Sounding from air	draft plan for comparison
Embankment	Photogrammetric elevation model	

Measurements and calculations

	Volume	Sludge	Reference height
Sludge volume	174 m	Ø 14 cm Sludge thickness	-
Empty volume up to water level	467 m	corresponding to sludge content 37%	141.15 m
Empty volume to maximum water level	731 m	corresponding to sludge content 24%	141.55
Empty volume up to embankment height	ca. 948 m ³	corresponding to sludge content 18%	ca. 142.00 m

Sludge distribution and thickness (in meters)

