

COLLOIDAL BORESCOPE FLOWMETER (CBFM)

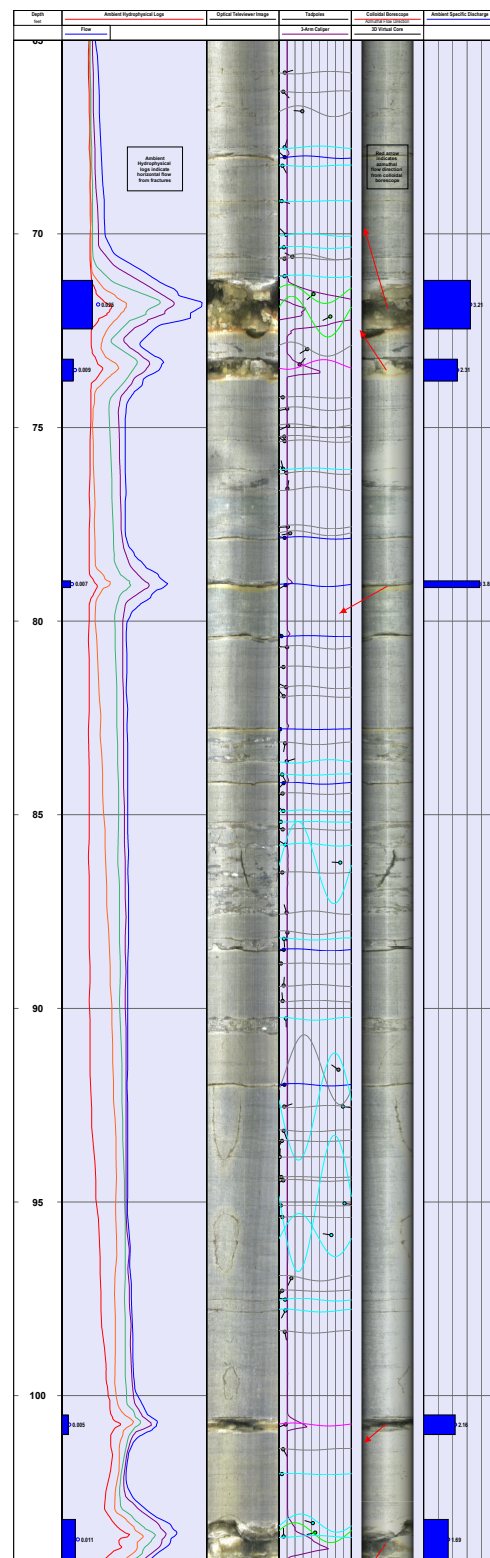
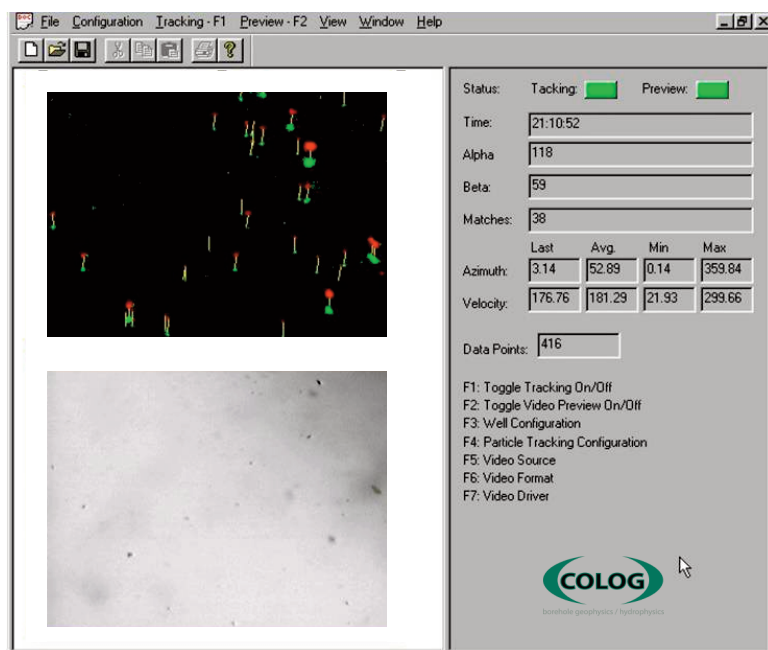
The Colloidal Borescope was developed to accurately determine horizontal groundwater velocity and direction in wells and open boreholes. Acquiring multiple real-time tracking measurements of colloids inherent in groundwater provides statistically-assured data. The resulting data-set is a compilation of thousands of tracked vectors at specific depths. Utilizing existing monitoring wells for test locations saves costs and eliminates the need for additional new piezometers.

APPLICATIONS:

- + Assess groundwater capture zones
- + Plan locations for monitoring, injection and extraction wells
- + Calibrate horizontal groundwater models
- + Provide evidence for groundwater contamination litigations
- + Evaluate cross-hole hydraulic connections
- + Determine contaminate transport

PROBE SPECIFICATIONS:

Diameter:	45mm (1.8")
Length:	55cm (21.3")
Weight:	2.3kg (5 lbs)
Applications:	Minimum 2" (5.8cm) well diameter
Maximum Depth:	1000"
AC Requirements:	120 VAC 47 to 63 Hz. 7 watts. Service <1 amp
DC Requirements:	10 to 16 VDC @ < amp
Camera Field of View:	2.7mm x 2mm
Depth of Focus:	0.2mm



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