



Mont Terri Project

Underground Rock Laboratory

ANDRA BGR CHEVRON CRIEPI DOE ENRESA ENSI FANC GRS HELMHOLTZ IRSN JAEA NAGRA NWMO OBAYASHI RWM SCK•CEN SWISSTOPO TOTAL

Mont Terri Rock Laboratory

Field report: August 13th – August 19th 2018 (Phase 24)

Distribution

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Project Management

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GGT: F. Burrus (Project Engineer), Th. Küttel, R. Daneluzzi

Construction of Gallery 18

- The construction of Ga18 proceeded at the transition of Passwang Formation and Opalinus Clay (**Figure 1**). On Wednesday, August 15th, there was no excavation due to an official holiday in the Canton of Jura.
- The excavation reached GM 33 on Friday afternoon, August 17th. This is a progress of 5.3 m in week 33. In addition to the holiday without excavation there was also a technical problem with the hydraulic system of the road header.

MB-A (Hydromechanical Characterization of the Sandy Facies before and during Excavation) experiment

- From Monday to Tuesday, August 13th – 14th, the BGR drilling team drilled borehole BMB-A19 (l=15 m and diameter=146 m, **Figure 2**). On Wednesday there was also no drilling activity due to the official holiday. From Thursday August 16th to Friday August 17th BGR drilled the inclined borehole BMB-A21 (l=15 m and diameter=146 mm). Next Monday the company Glötzl will start with the installation of four strings for stress monitoring in boreholes BMB-A18 to A21.
- From Monday to Friday, August 13th – 17th, GeoSonic drilled on borehole BMB-A9 (**Figure 3**). The borehole will be finished next week and Solexperts will install an extensometer.

HS (Hydrogeological Survey of Aquifers around the Opalinus Clay) experiment

- On Thursday, August 16th, Y Biedermann (swisstopo) performed the weekly hydrological measurements of ten sources in the surrounding aquifers located along the Security Gallery.

Varia

- On Thursday, August 16th, Giacomo Ruggia (swisstopo) had his last day of civil service in Mont Terri (**Figure 4**). We thank him for all the wonderful work he did and wish him all the best!

Visits

Day	Date	Name of the Group	Visitors	Guides
Thu	16.08.2018	Group Giacomo Ruggia	3	G. Ruggia

C. Nussbaum, S. Schefer, D. Jaeggi and R. Raselli, August 19th, 2018



Figure 1: Construction of Gallery 2018: Gallery meter 33 was reached on Friday, August 17th (Photo: R. Raselli, swisstopo).



Figure 2: MB-A experiment: View onto the drilling works from BGR (Photo: R. Raselli, swisstopo).



Figure 3: MB-A experiment: Geosonic drilling BMB-A9 with the help of a podium (Photo: R. Raselli, swisstopo).



Figure 4: Varia: G. Ruggia (swisstopo) on his last day of civil service in Mont Terri together with D. Jaeggi (Photo: R. Raselli, swisstopo).