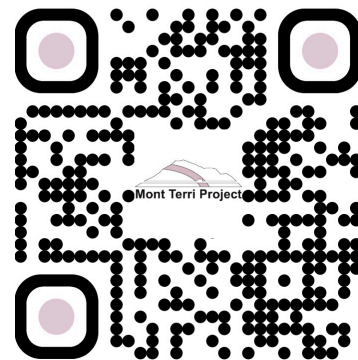


Mont Terri Project

Underground Rock Laboratory

Report period: June 29, 2026 – July 5, 2026

Assembled and edited by swisstopo, St-Ursanne



Spotlight of the week: During the last couple of days of drilling DEBORAH, we had some friendly visitors behind our Atelier, where all the core samples of the borehole were processed. Apparently, the family of chamois (*Rupicapra rupicapra*) made the small ledge above the cliffs of the St-Ursanne Formation their temporary home. Two juvenile chamois could be observed, mimicking their parents to try and climb up the steep terrain. While the chamois is predominantly found in alpine regions, it was nice to have them supervising our work here in the Jura.

Important note

- Starting on July 6, the lab will be closed for the summer break until August 16. No weekly reports will be sent until then. We wish you all a wonderful summer and look forward to seeing you again after the holidays!

CL (CO2LPIE-CO2 Long-Term Periodic Injection) experiment

- On Monday, June 29, J. Gisiger (solexperts) remotely increased the injection pressure in interval BCL-11_I2 from 1.6 to 1.8 MPa. Next pressure increase is planned for Mid-August.
- On Monday, June 29, J. Windisch (swisstopo) took two water samples from BCL-11.
- On Friday, July 3, J. Windisch (swisstopo) switched all pH and Eh probes to bypass mode.

DB-B (Deep Borehole to resolve the Mont Terri Anticline Hydrogeology) experiment

- From Monday to Thursday, June 29 to July 2, the Stump Team continued demobilization of the drill site, removing the drill rig and all the equipment. (**Figure 1**)
- On Tuesday, June 30, Stump installed the well head with two valves, one with HQ diameter on top and a second valve on the side for pressure control and sampling.
- On Wednesday, July 1, BKW and S. Schefer (swisstopo) unplugged Stump's installation from the power supply.

DR-C (Diffusion in a Thermal Gradient) experiment

- On Wednesday, July 1, S. Schefer and J. Windisch (swisstopo) took sample #10 from sampler #3 from BDR-C1 and BDR-C6 and measured the pH. Contamination tests showed no activities above background.

DR-D (Heterogeneity of Sandy Facies by Geophysical Characterization and Diffusion Studies) experiment

- On Wednesday, July 1, S. Schefer and J. Windisch (swisstopo) took sample #10 from BDR-D3 (sampler #3) and measured the pH. Contamination tests showed no activities above background.

HS (Hydrogeological Survey of the Mont Terri Anticline) experiment

- On Tuesday, June 30, S. Schröder (GFZ) and S. Schefer (swisstopo) performed maintenance on the gravimeter. Due to ice crystals buildup inside the cooling chamber, the system got connected with the oscillating pump and thus produced a 100 fold increase in the tilt measurements. Pouring warm helium inside the cooling chamber to defrost the interior brought the measurements back to normal. (**Figure 2**)

MH (Long-Term Monitoring of Heaves and Displacement) experiment

- On Wednesday, July 1, J. Windisch (swisstopo) resoldered and mounted the battery of the temperature and humidity meteorologist of the fixpoint No. 16.

Varia

- On Tuesday, June 30, 40 palettes with hand samples of different important drilling campaigns and spare core boxes were delivered by the Swiss army from Hochdorf to St-Ursanne. J. Windisch and S. Schefer (swisstopo) unloaded, labeled and stored the drill cores inside the National Core Storage.

Visits

Day	Date	Group Name	Group Size	Visitors Guide
Mon	29.6.2026	Schaublin SA, Delémont	11	R. Nicol (swisstopo)
Mon	29.6.2026	Gymnasium Lerbermatt, Dolder Stefan	23	H. Hauser (freelance)
Tue	30.6.2026	Gymnasium Lerbermatt, Radjenovic Timo	22	R. Nicol (swisstopo)
Tue	30.6.2026	Gymnasium Lerbermatt, Horn Sabine	21	H. Hauser (freelance)
Wed	1.7.2026	Formateurs DIVTEC, Porrentruy	10	R. Nicol (swisstopo)
Sat	4.7.2026	Siedlergemeinschaft Wutöschingen	22	H. Sager (Nagra)

Figures



Figure 1: DB-B: The drill rig is leaving after five months of hard work (S. Schefer, swisstopo)



Figure 2: HS: Pouring warm helium inside the cooling chamber to defrost the interior (S. Schefer, swisstopo)