



# MILIBACH TORRENT, HASLIBERG, CANTON OF BERN, SUÍÇA

Proteção contra correntes de detritos

# Milibach Torrent, Hasliberg, Canton of Bern

## Proteção contra correntes de detritos

<b>Projeto</b>	Milibach Torrent, Hasliberg, Canton of Bern
<b>Lugar</b>	Hasliberg Reuti
<b>País</b>	Suíça
<b>Ano de instalação</b>	2011
<b>Promotor</b>	.
<b>Situação inicial</b>	<p>In August 2005, a storm in the Weiler Reuti and in Meiringen had caused serious debris coverage and severe damage. To protect the two settlements, a cascade comprised of 13 flexible debris flow barriers was installed to retain a cumulative volume of up to 10,000 m<sup>3</sup> was installed.</p> <p>On October 10, 2011, heavy rainfall triggered a shallow landslide containing a total of 2,000 m<sup>3</sup> of schist in the drainage area of the Milibach river. Approximately 80 mm of rain had fallen onto a 70 cm layer of existing snow in 12 hours. The Swiss Federal Office for Environment (FOEN) categorized these heavy rainfalls as the 100-year event.</p>
<b>Descrição</b>	<p>This multilevel debris flow barrier system successfully retained an estimate 2,000 m<sup>3</sup> of debris from the October 2011 100-year event before the slide had any opportunity to gain momentum and cause significant damage, as had happened in 2005. The event filled barrier no. 2 completely and barrier no. 5 partially. Barrier 1, which was situated above where the shallow landslide was triggered, remained unaffected, while barriers 3 and 4 were not filled as they have a higher basal opening.</p> <p>Stopping the 2,000 m<sup>3</sup> of debris helped prevent further erosion along the unstable banks of the Milibach River and dissipated an event that could have caused damage to the settlements further downstream. After an in-depth investigation during an on-site inspection, the customer decided to leave barrier no. 2 filled to protect the riverbanks. The debris held by barrier no. 5 is also being left and should be carried away over time as the water drains naturally.</p>
<b>Outras aplicações instaladas</b>	Proteção contra correntes de detritos
<b>Proteção contra a corrosão</b>	GEOBRUGG SUPERCOATING
<b>Altura do sistema</b>	7.0 m
<b>Comprimento do sistema</b>	500 m - 7 m
<b>Número de barreiras</b>	13
<b>Capacidade de retenção</b>	10000 m <sup>3</sup>

Em caso de dúvidas por favor contacte com nosso especialista Geobrugg na sua área

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