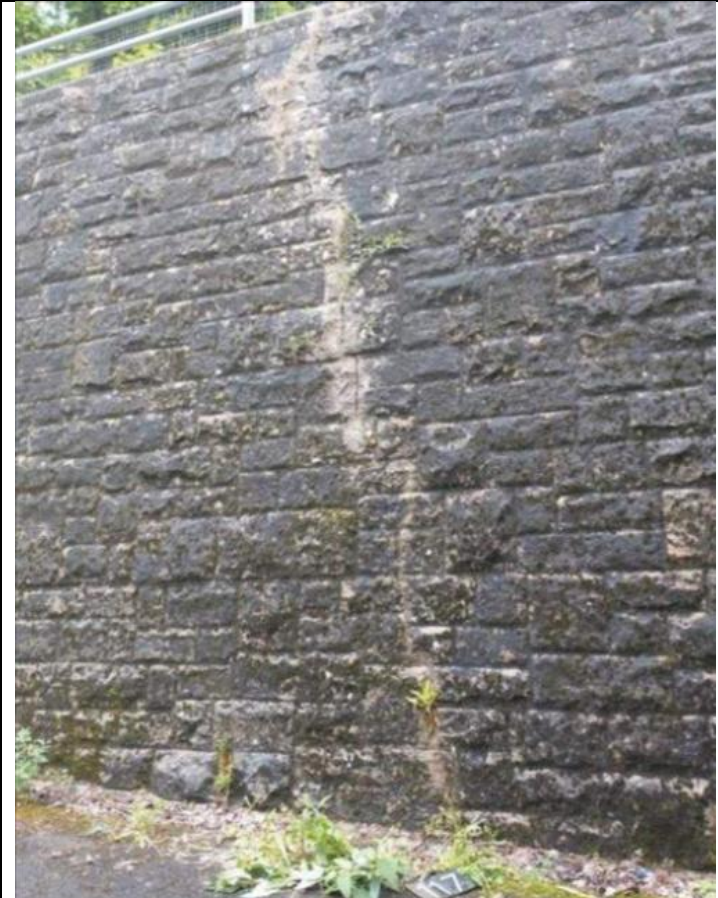


Appendix 3 – Examples of Modes of Failure at Various A6 Derwent Valley Wall Locations

	Bulging & Voids The photograph shows the bulging of the retaining wall and voids on the face of the wall.
	Bulging on a lower wall Photograph shows bulging and stone displacement to lower section of tiered retaining wall.
	Large Bulge at Base Photograph shows large bulge at the base of the wall and stone displacement.

 Convex wall profile	Bulging & Convex Wall Profile Photograph shows bulging exhibiting a convex profile, with voids and rock displacement visible.
	Vertical Crack Photograph showing a full height vertical crack and water seepage, weakening the wall's loading capability.

Voiding

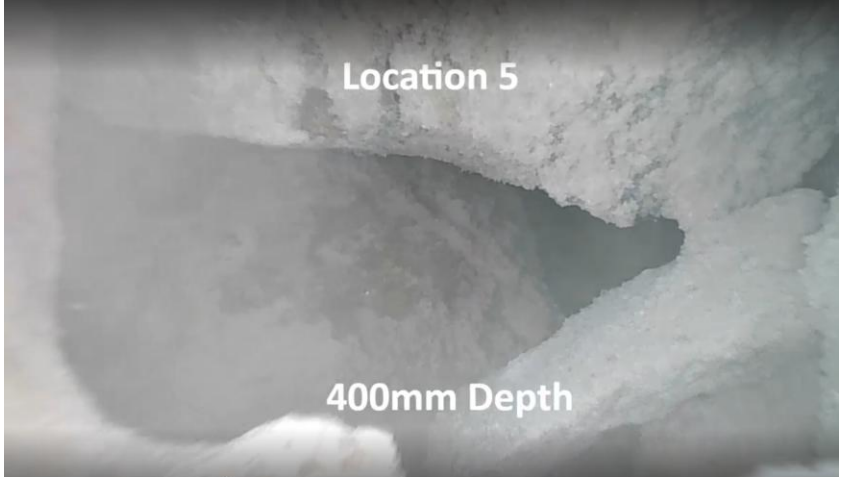
Photograph shows voiding on face of the wall



Voiding with Collapse

Photograph showing collapse following voiding.



	Undermining of Foundations Effects of more extreme rainfall events causing erosion and undermining of the wall foundations.
	Internal Void Extract from exploratory video showing existence of voids beyond 400mm depth within the retaining wall.