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Perisher Blue Pty Ltd

Attention: Sophie Ballinger - Sophie.Ballinger@vailresorts.com.au

**RE: PROPOSED PERISHER CENTRE LIFT
 PERISHER, NSW**

I have reviewed the structural design of the proposed new Lift at the Perisher Centre in relation to the ABCB standard for Construction of Buildings in Flood Hazard Areas.

Flood levels were used from the Snowy SAP Masterplan Hydrology assessment, as carried out by WSP in June 2021.

Based on a 1% AEP flood depth the water level is expected to be 2m above the nominal creek level. See attachment below from WSP report. Then, allowing for an additional 0.5m freeboard, 2.5m depth is assumed.

The proposed lower level of the lift and the existing pavement in the area in question is 3m above the nominal creek level. Therefore, the proposed structure is above the level of the flood.

Furthermore, the existing untouched stone walls being ~4m above nominal creek level protect the new structure from upstream debris.

In addition, the footings for the new lift found into weathered rock which is unaffected by the flood.

If in the unlikely event of water ingress into the lift pit, a pit and pump is proposed in the bottom of the lift shaft to remove any excess water.

Therefore, I am satisfied that the design meets the requirements of ABCB standard for Construction of Buildings in Flood Hazard Areas.

Kindest regards,

Linden Coot
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Structural Engineer / Director
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