

Pillow and pahoehoe lavas from the Columbia River Basalt

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The Columbia River Basalt (CRB) is one of the world's most well-known continental flood basalts. It consists of more than 300 flows, many of which were emplaced in water and the lower part of the lava formed a pillow-hyaloclastite complex (PHC). Because of this manner of distribution, the CRB is expected to provide a good example for comparing the onland pahoehoe and subaqueous pillow lava facies within a single lava flow. Within a lava flow at many outcrops, a compound pahoehoe lava, that is an accumulation of pahoehoe flow lobes is consistently found between the PHC and colonnade. The criteria for distinguishing pahoehoe from pillow lobes are recognized and will be discussed.