



Data from: An exploration for truth in soil parent materials in Hyalite Canyon, Montana [dataset]

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DOI

<http://doi.org/10.15788/M2CC7P>

Date uploaded

August 2015

Description

The raw data set contains geochemical data from a soil "lithosequence" in Hyalite Canyon, MT near the Langohr Campground and includes data for underlying rock. Data for many major and minor (including rare earth and high field strength) elements and oxides are included.

Atmospheric deposition samples were collected at the Arthur Post Farm and from the rooftops of Bobcat Stadium. Duplicates included in the data set are marked. The three calculation spreadsheets convey methods to calculate the fractional rock influence on soil materials <2mm; to determine chemical depletion from rock only and from rock and atmospheric deposition; and to calculate mass balance using rock only, atmospheric deposition only, and mass balance using both rock and atmospheric deposition scaled using the fraction rock calculations mentioned above.

Associated dissertation

Sugden JC (2015) An exploration for truth in soil parent materials in Hyalite Canyon, Montana. Montana State University. <https://scholarworks.montana.edu/xmlui/handle/1/9374>

Citation

Sugden JC, Ewing S, Hartshorn A (2015) An exploration for truth in soil parent materials in Hyalite Canyon, Montana [dataset]. Montana State University ScholarWorks.

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