# Geochemical Evaluation of Contaminated Soil for Stabilisation with Lime

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Stabilisation of heavy metals by addition of lime is proposed to protect water and soil from contamination. Two contaminated soil samples namely clayey soil and waste sediment from Ranau, Sabah, were treated with hydrated lime [$Ca(OH)_2$] in this study. According to the physico-chemical properties, the clayey soil sample is more capable of being stabilised with the addition of lime, thus reducing the amount of leachate to the environment whereas the waste sediments may need more lime to arrest the heavy metals.



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