

Case Report

Geological and Geomechanical Characterization of Phosphate Mine Waste Rock in View of Their Potential Civil Applications: A Case Study of the Benguerir Mine Site, Morocco

Safa Chlahbi ^{1,2,*}, Tikou Belem ², Abdellatif Elghali ¹, Samia Rochdane ¹, Essaid Zerouali ³, Omar Inabi ¹ and Mostafa Benzaazoua ^{1,*}

¹ Geology and Sustainable Mining Institute (GSMI), Mohammed VI Polytechnic University (UM6P), Benguerir 43150, Morocco

² Research Institute of Mines and Environment (RIME), Université du Québec en Abitibi-Témiscamingue (UQAT), 445 Boul. de l'Université, Rouyn-Noranda, QC J9X 5E4, Canada

³ OCP Group, Department of Method, Planning, and Performance Benguerir, 2 Street Al Abtal Hay, B.P. Maârif, Casablanca 5196, Morocco

* Correspondence: safa.chlahbi@uqat.ca (S.C.); mostafa.benzaazoua@um6p.ma (M.B.)

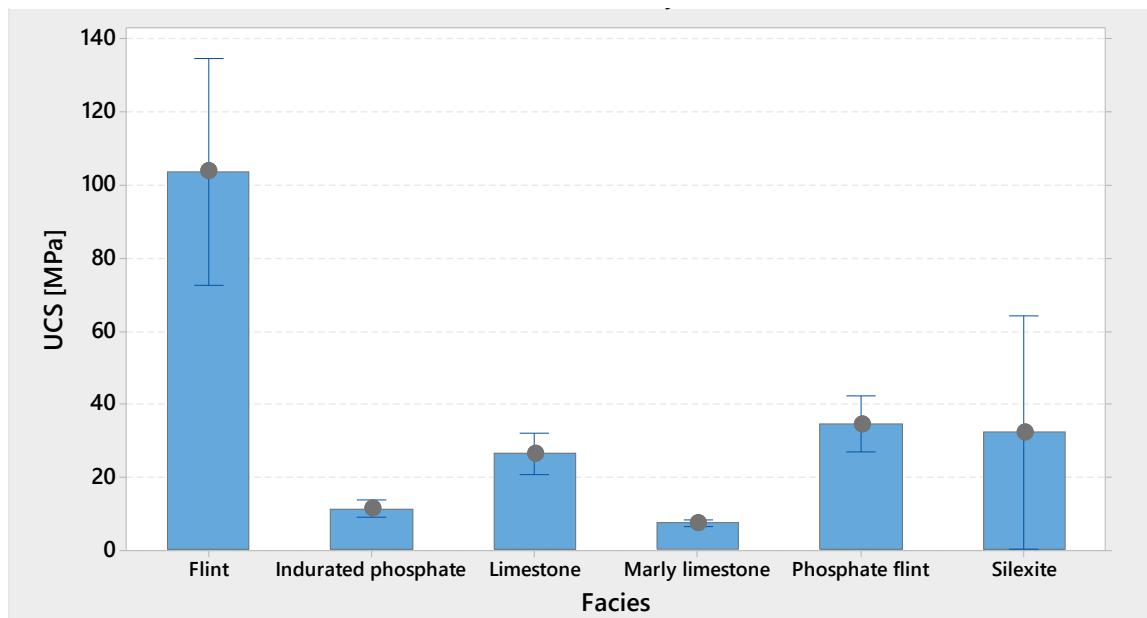


Figure S1. The UCS intervals for the six facies.

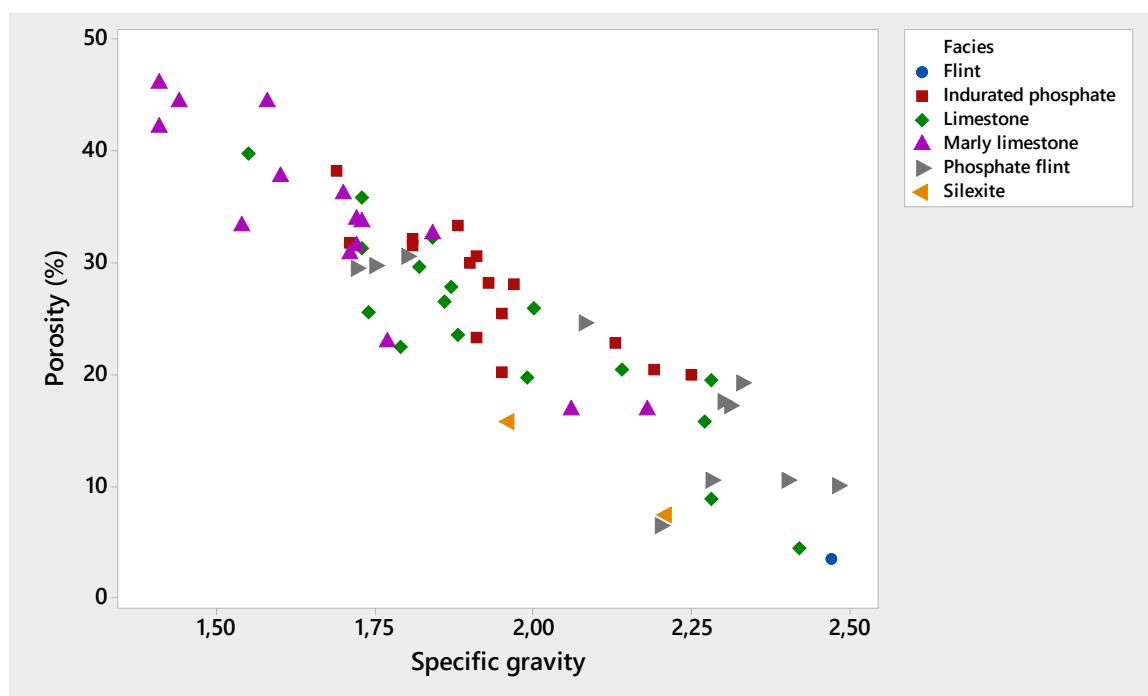


Figure S2. Variation of specific gravity with porosity for the six facies.

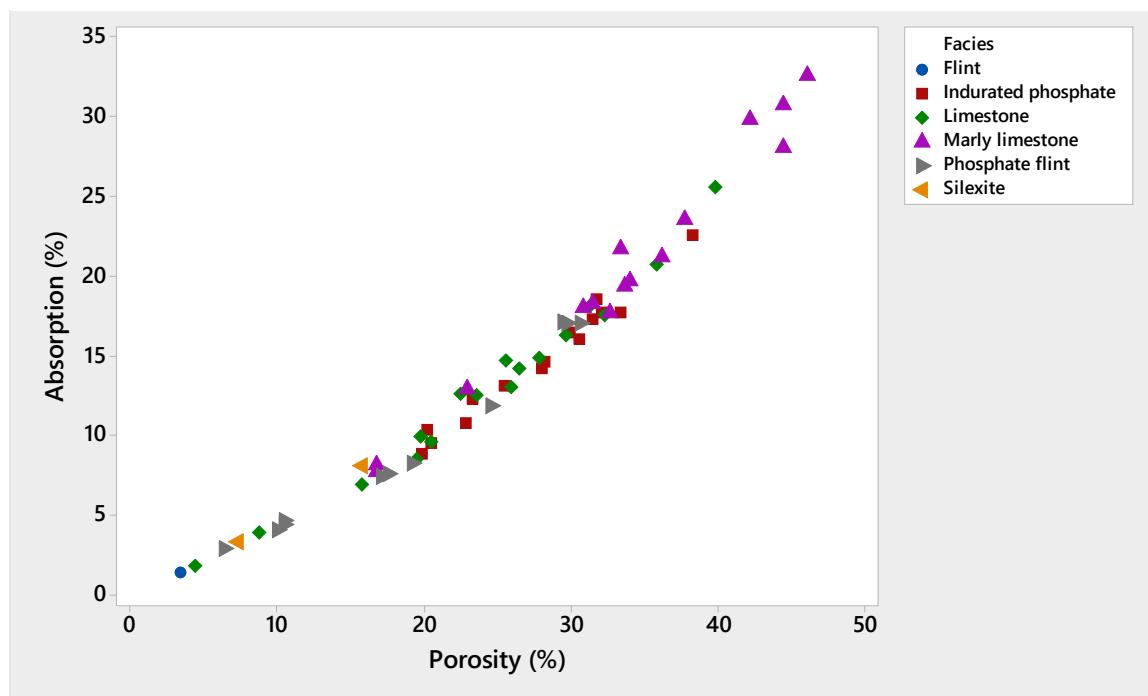


Figure S3. Variation of porosity with absorption for the five facies.