

Figure 1: Data processing flow (RT = Radiative Transfer, PCA = Principal Component Analysis).

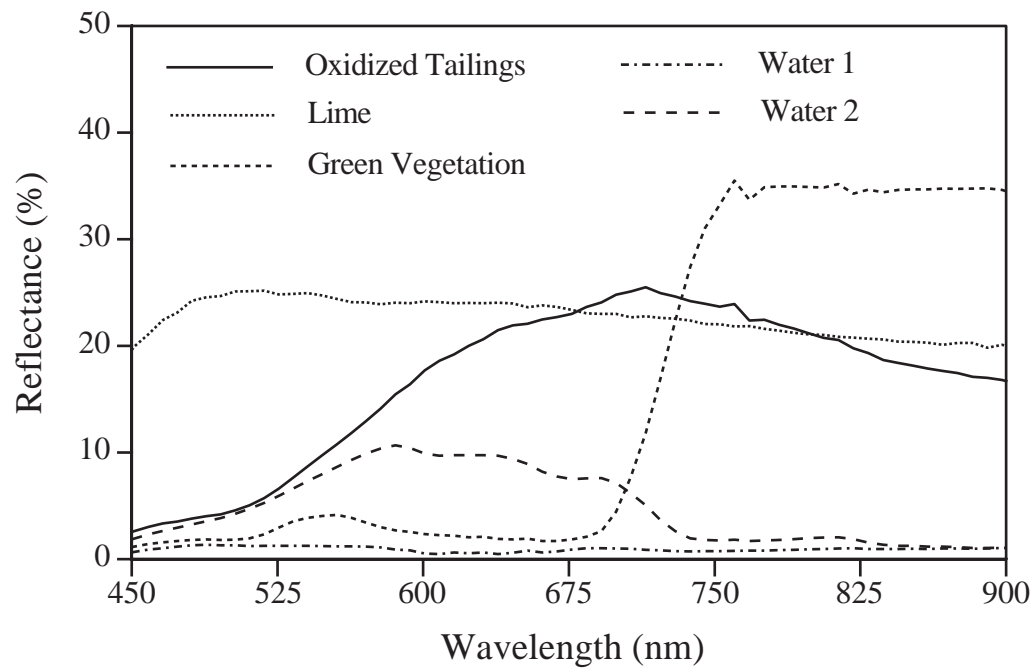


Figure 2: *casi* reflectance spectra of the five endmembers: green vegetation, lime, oxidized tailings, water 1, and water 2.

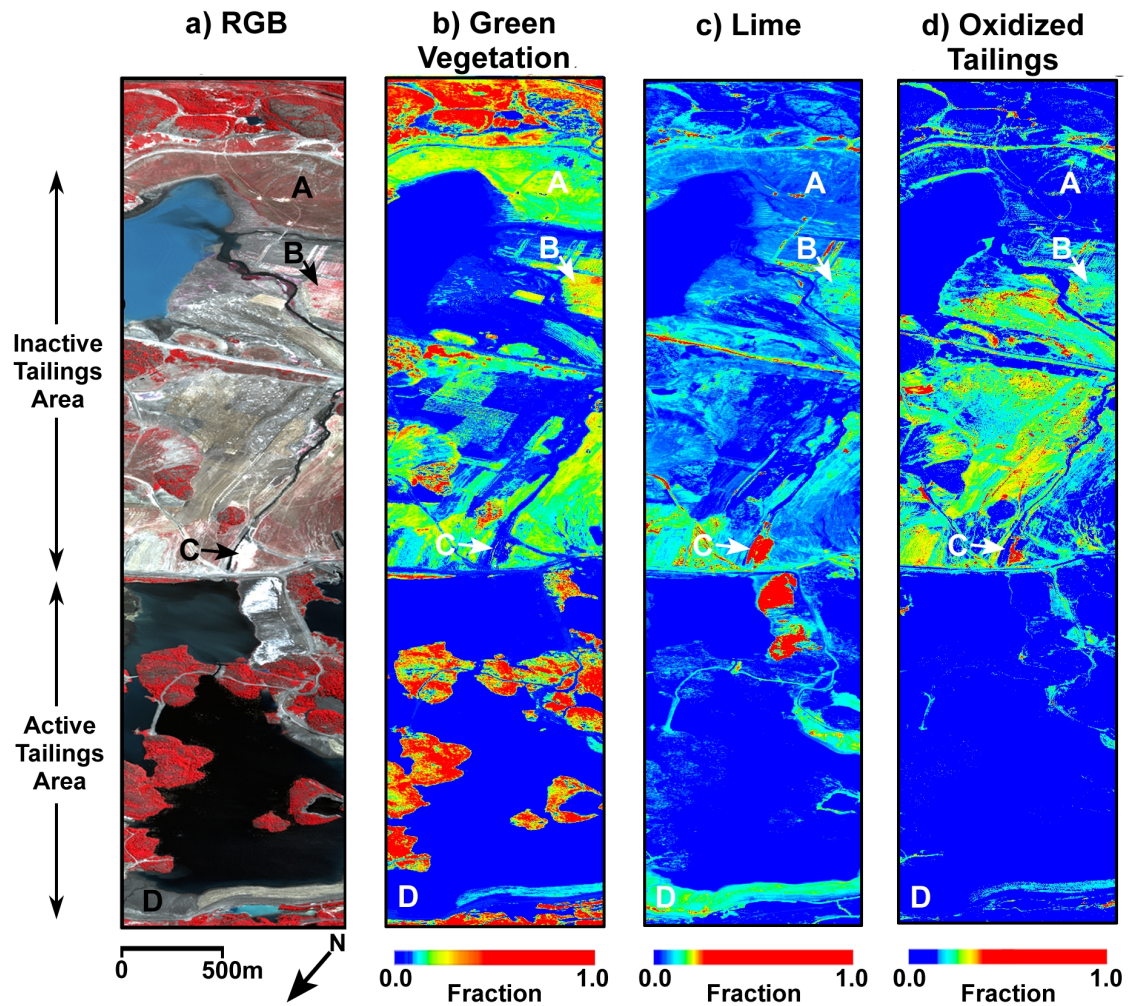


Figure 3: Original *casi* image showing (a) the inactive and active tailings areas, with fractional abundance images of the three endmembers (b) green vegetation, (c) lime, and (d) oxidized tailings. The *casi* colour composite was generated with bands 19 (540 nm) in the blue, 37 (676 nm) in the green, and 45 (737 nm) in the red, respectively.