Sample Preparation Fig. 3

If composite sample of whole soil is formed before 1st stage.

If composite sample of whole soil is formed before the 2nd stage.

If composite sample of whole soil is formed before the 3rd stage.

If composite sample of whole soil is formed before the 4th stage.

Single sample of whole soil

1a. Air dry whole soil sample at ~40°C to constant weight.

1b. Weigh and record the *mass of the air-dried whole soil.*

M_{ws}

2. Crush the air-dried whole soil sample to break up aggregates.

3a. Sieve* the air-dried whole soil sample.

Separate the air-dried fine fraction (<2mm) from the gravel(≥2mm)

3b. Weigh and record the *mass of the gravel* (≥2mm) and keep aside.

M_{gravel}

4. Thoroughly mix the air-dried fine fraction (<2mm).

5. Create a sub-sample of the air-dried fine fraction for laboratory analysis (minimum 250g)