

Soil (Pedosphere) Investigation

Soil Moisture Data Sheet - SMAP Block Pattern

Study Site: _____

Observer names: _____

Date samples collected: Date (Year-Month-Day): _____

Local Time: ____:____ (Hours:Min) UT: ____:____ (Hours:Min)

Drying

Is the soil saturated? Yes No

Drying Method (oven and temperature range) _____ Drying time (hrs:min): _____

Weight Measurements

	Container with sample before drying (a)	Container with sample after drying (b)	Water Weight (c) a - b = xx g <i>(Calculated value by database)</i>	Empty Container Weight (d)	Dry Soil Weight (e) b - d = xx g <i>(Calculated value by database)</i>
Sample	<input type="text"/> g	<input type="text"/> g		<input type="text"/> g	
	Gravimetric Soil Moisture (f) c / e = xx g/g <i>(Calculated value by database)</i>				

Container Volume Measurements

Container volume measurements are required at least once out of every 10 weight measurements, but can be repeated more frequently if desired. Below is your most recently measured Average Sample Volume:

Measure the Initial and Final volume of your measuring cylinder 3 times; container volume and average container volume will be calculated during data entry.

	Initial Volume (V_i)	Final Volume (V_f)	Container Volume ($V_i - V_f$) <i>(Calculated value by database)</i>
Sample 1	<input type="text"/> mL	<input type="text"/> mL	
Sample 2	<input type="text"/> mL	<input type="text"/> mL	
Sample 3	<input type="text"/> mL	<input type="text"/> mL	

Average Container Volume will be calculated during data entry.

Additional observations: _____

