Soil (Pedosphere) Investigation
Soil Moisture Data Sheet - SMAP Block Pattern

* Required Field

Study Site: _____

Observer names: _____

Date samples collected: Date (Year-Month-Day): _____
Local Time: ____:____ (Hours:Min)   UT: ____:____ (Hours:Min)

Soil State: (check one) *

❏ Measureable ❏ Frozen ground ❏ Snow on ground ❏ Graupel on ground

❏ Hail on Ground ❏ Frozen water on ground
       Note: If Measureable is selected, continue below; all other selections stop here.

_____

Drying:

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 *(Calculated value by database)*	Empty Container Weight (d)	Dry Soil Weight (e) $b - d = xx$ g *(Calculated value by database)*
Sample	_____ g	_____ g		_____ g	

Gravimetric Soil Moisture (f)
$c / e = xx$ g/g
(Calculated value by database)

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 ($V_i - V_f$) *(Calculated value by database)*
Sample 1	_____ mL	_____ mL	
Sample 2	_____ mL	_____ mL	
Sample 3	_____ mL	_____ mL	

Average Container Volume will be calculated during data entry.

Additional observations: _____

_____

_____