

# Soil Investigation

## Soil Moisture Data Sheet - Transect Pattern

Study Site: SMS-\_\_\_\_\_

Observer names: \_\_\_\_\_

Date samples collected: Year: \_\_\_\_\_ Month: \_\_\_\_\_ Day: \_\_\_\_\_

Local Time: \_\_\_\_:\_\_\_\_ (Hours:Min) UT: \_\_\_\_:\_\_\_\_ (Hours:Min)

Current conditions: Is soil saturated?  Yes  No

Drying method: (check one)  95-105° C oven  75-95° C oven  microwave

Average drying time: Hours/minutes \_\_\_\_\_

### **Daily Metadata: (optional)**

Length of Line: \_\_\_\_\_ m Compass Bearing: \_\_\_\_\_ Station Spacing: \_\_\_\_\_ m

### **Directions:**

Transects should be 50 m long, located in an open field. Measurements are made 12 times/yr. during a regular interval of your choice. Enter the data for your samples collected between 0-5 cm (10 single samples plus 1 triple sample):

### **Observations:**

Sample Number	Offset from end of Transect (m)	Container ID#	A	B	C	(A-B)/(B-C)
			Mass of wet soil and container (wet mass) (g)	Mass of dry soil and container (dry mass) (g)	Mass of empty container (g)	Soil Water Content (from calculations) (g/g)
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						