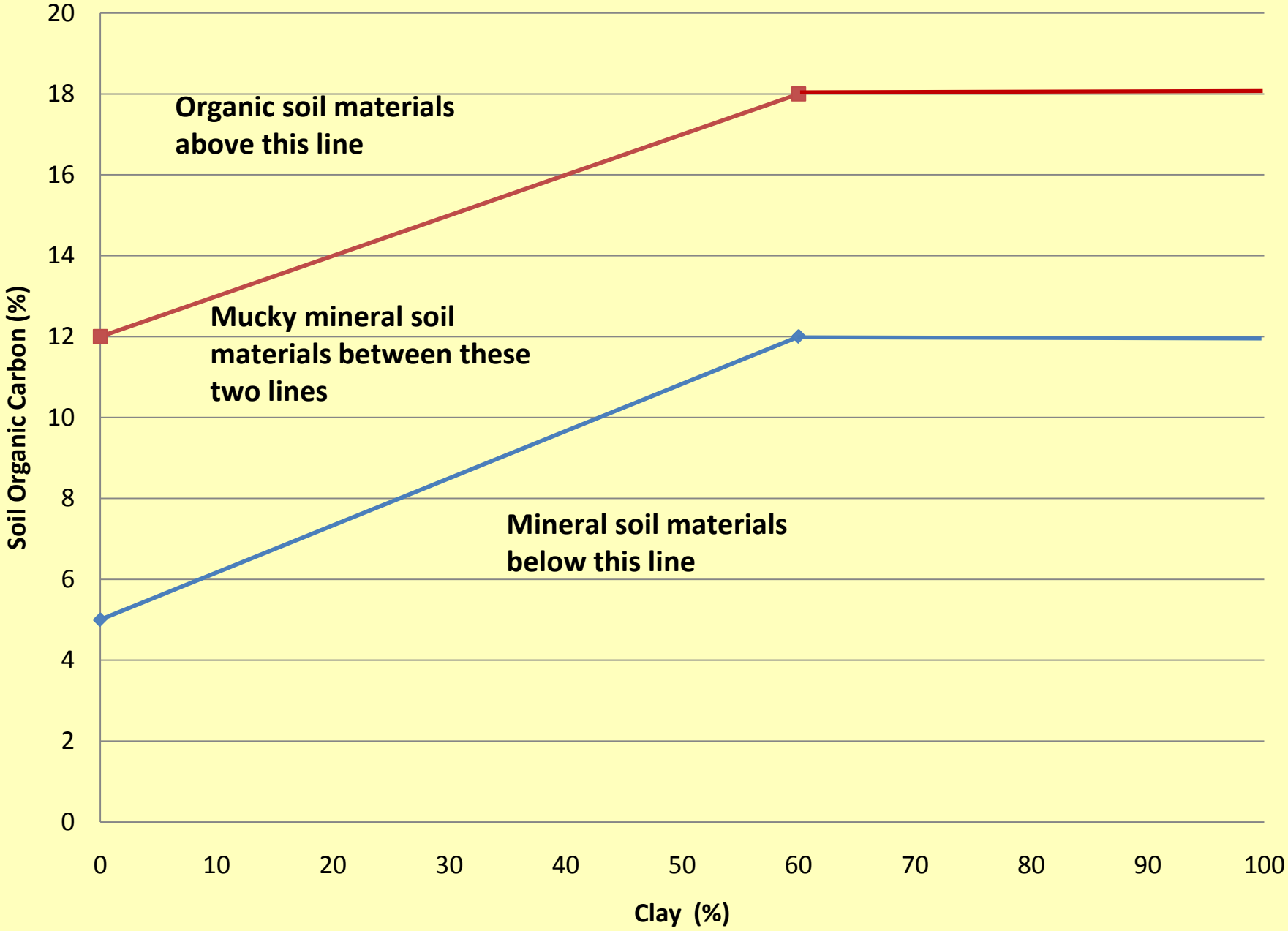
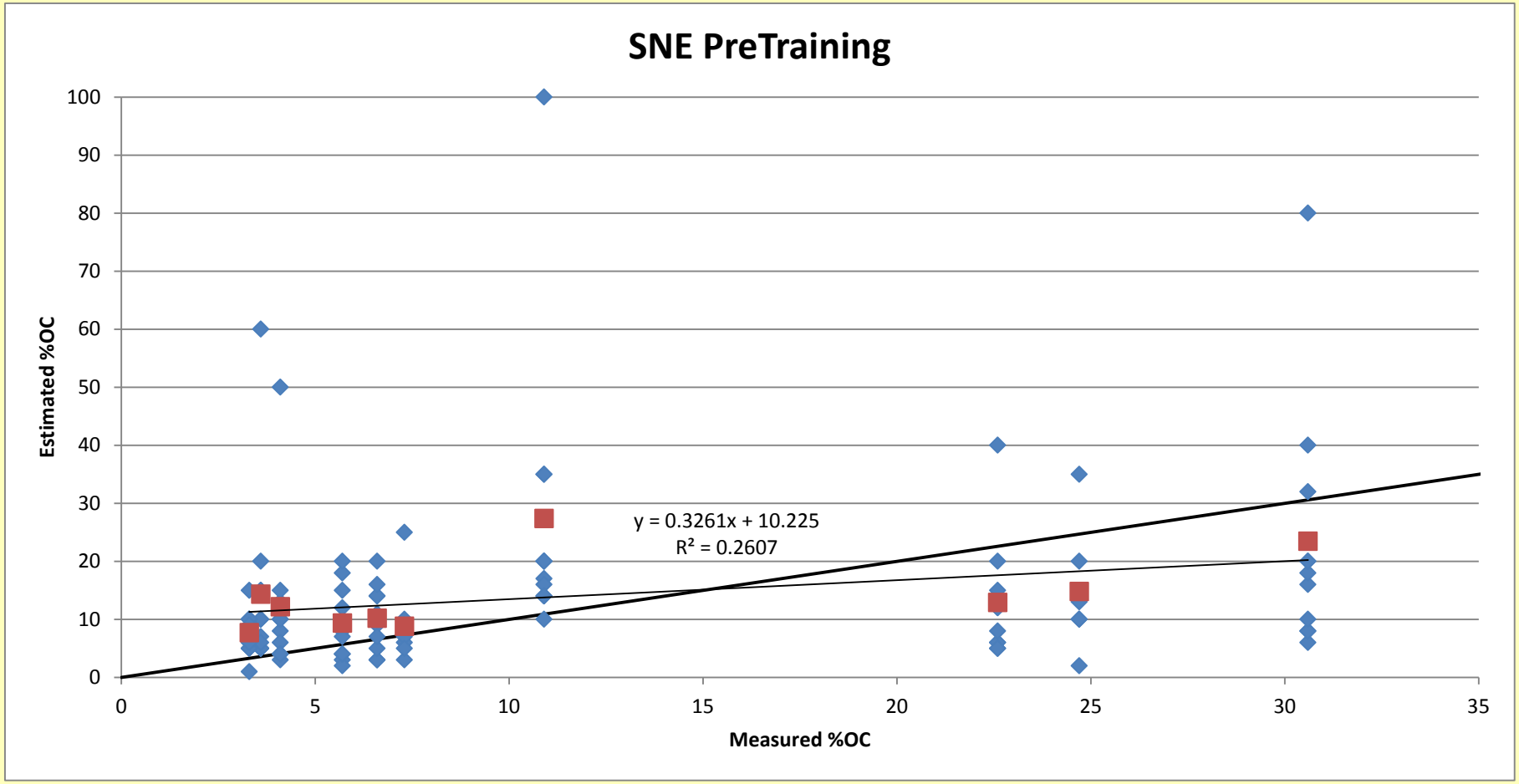
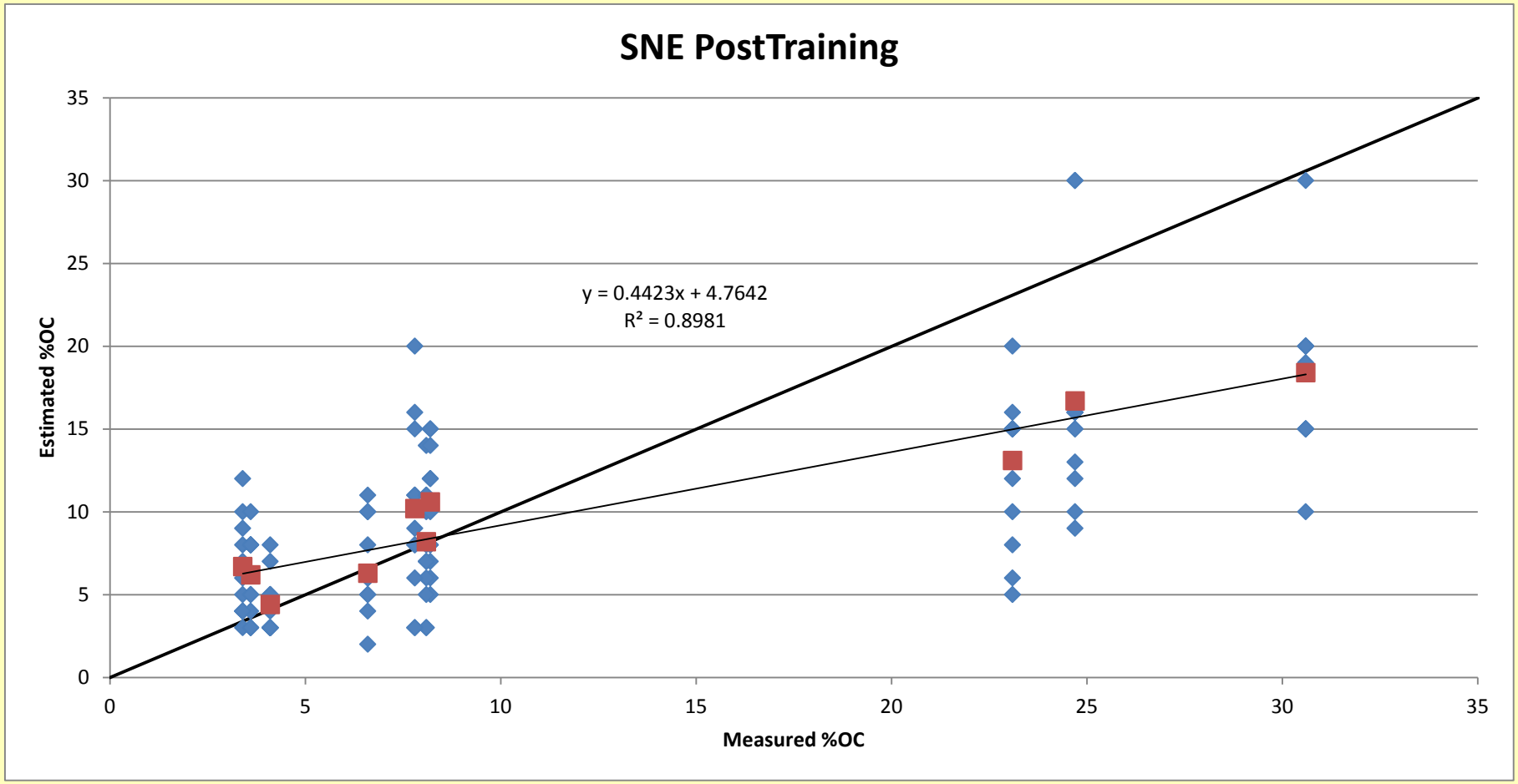

Organic soil materials above this line
Mucky mineral soil materials between these two lines
Mineral soil materials below this line
Soil Organic Carbon (%)
Clay (%)
0
2
4
6
8
10
12
14
16
18
20
0
10
20
30
40
50
60
70
80
90
100

Pre-Training and Post-Training

Sample ID	Location	SOC content (%)	Mineral	Mucky Mineral	Organic
1	NH				
2	RI				
3	MA				
4	MA				
5	RI				
6	MA				
7	NH				
8	MA				
9	RI				
10	MA				

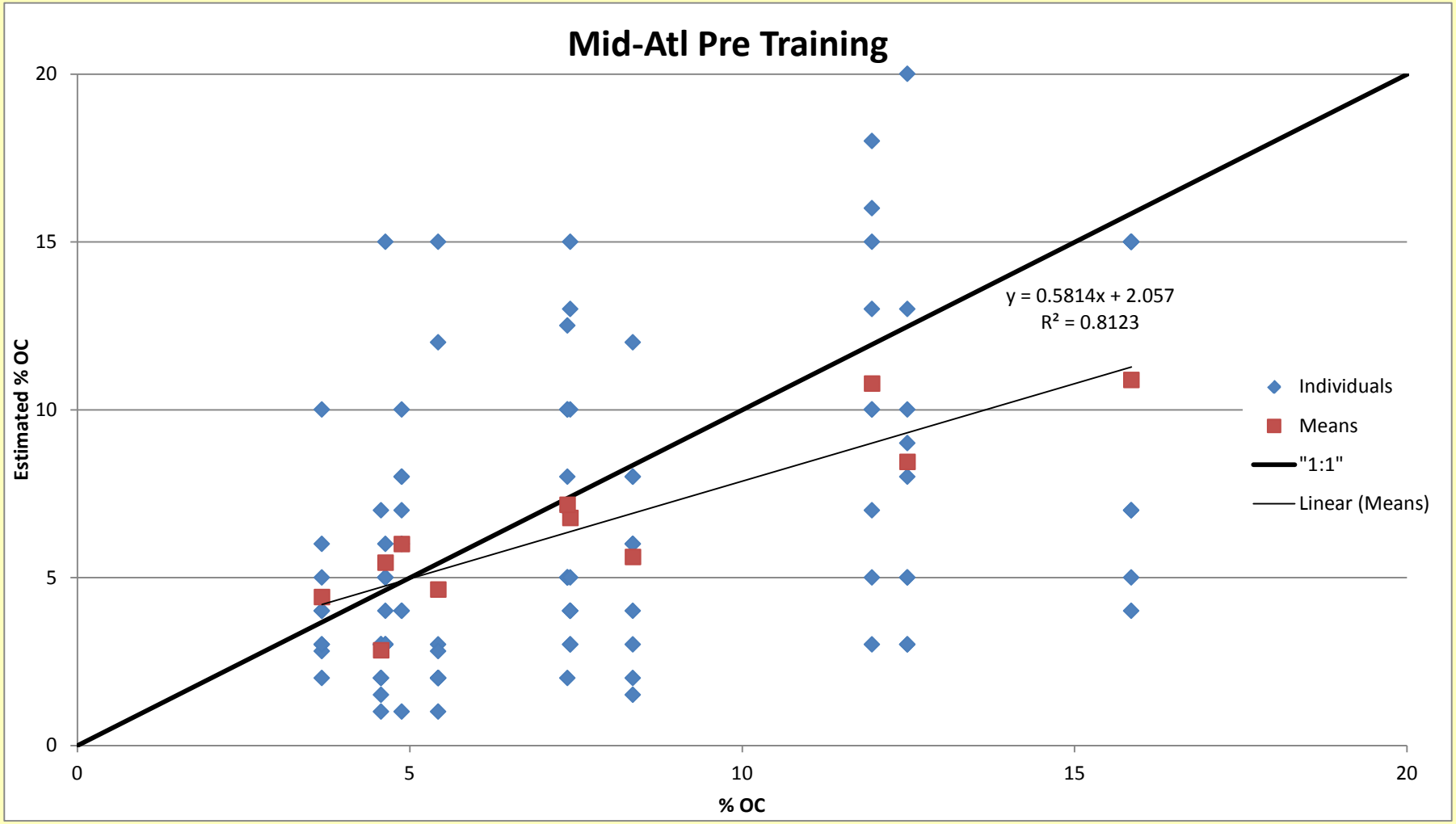
the same 11 people participated in both pre and post

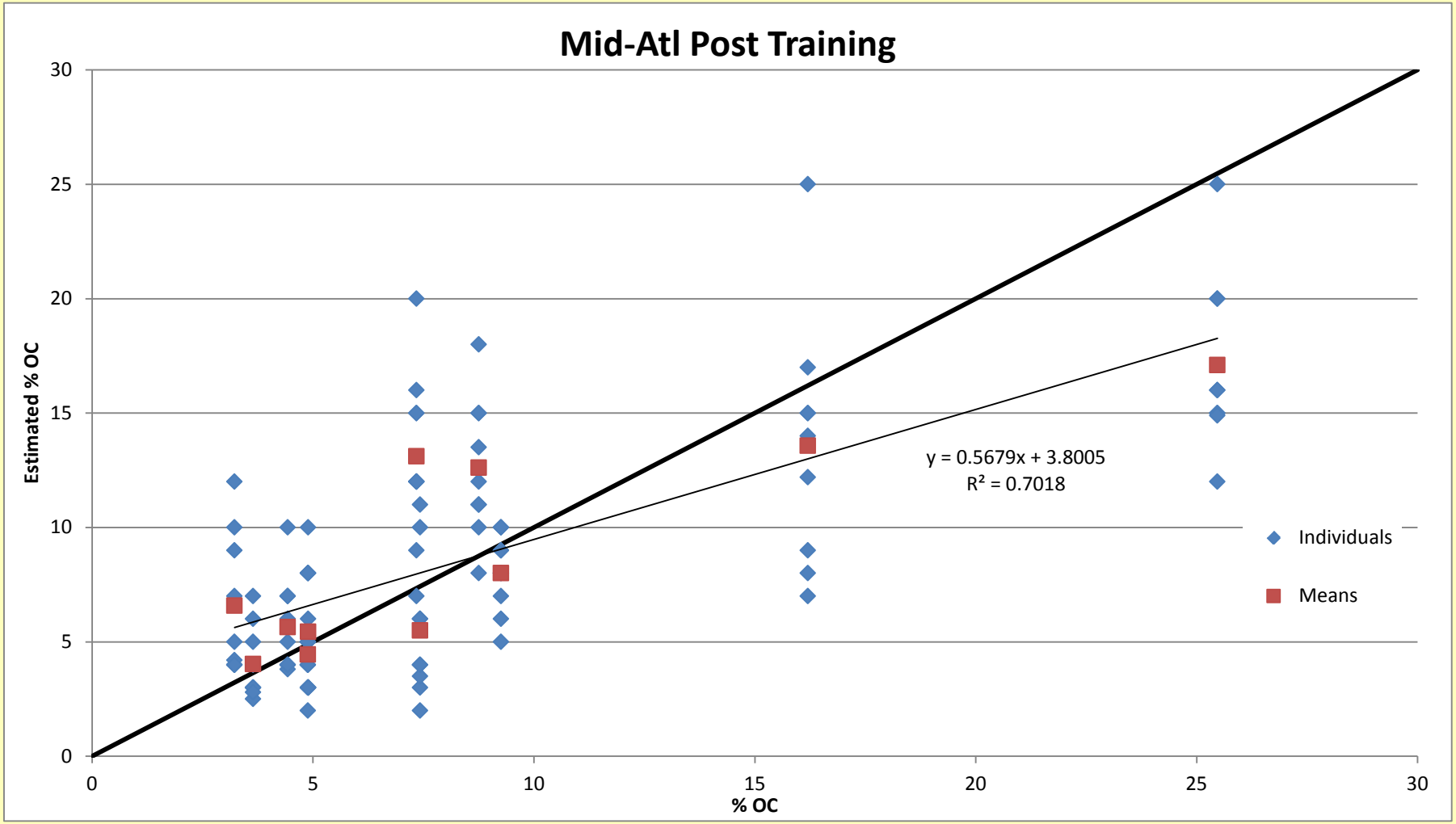

SNE PreTraining
Estimated %OC
Measured %OC
y = 0.3261x + 10.225
R² = 0.2607
0
10
20
30
40
50
60
70
80
90
100
0
5
10
15
20
25
30
35


SNE PostTraining
y = 0.4423x + 4.7642
R² = 0.8981
Estimated %OC
Measured %OC
0
5
10
15
20
25
30
35

New England Class Assignment Results

Participant	A	B	C	D	E	F	G	H	I	J	K	correct
Pre-training Correct	6	5	6	3	3	4	4	5	3	2	4	41%
After training Correct	7	8	5	5	6	10	5	7	7	7	8	68%
Individual Improvement	10	30	-10	20	30	60	10	20	40	50	40	


Mid-Atl Pre Training
Estimated % OC
% OC
0
5
10
15
20
y = 0.5814x + 2.057
R² = 0.8123
Individuals
Means
"1:1"
Linear (Means)


Mid-Atl Post Training
Estimated % OC
% OC
0
5
10
15
20
25
30
y = 0.5679x + 3.8005
R² = 0.7018
Individuals
Means

Mid-Atlantic Class Assignment Results

Participant	A	B	C	D	E	F	G	H	I	average correct
Pretraining Correct	45%	55%	36%	45%	73%	64%	64%	45%	73%	56%
Aftertraining Correct	73%	55%	45%	55%	73%	91%	82%	64%	82%	69%
Individual Improvement	27%	0%	9%	9%	0%	27%	18%	18%	9%	

Summary

- Not easy to estimate SOC and determine between mucky modified and mineral or organic soil materials

- Without training New England folks could only assign the correct class on average 41% of the time.

- Training improved our ability to assign the correct class (68%). This was essentially the same amount as the Mid-Atlantic committee got correct after training (69%)

- In general we over-estimate SOC in mineral soil materials and under-estimate SOC in organic soil materials.