

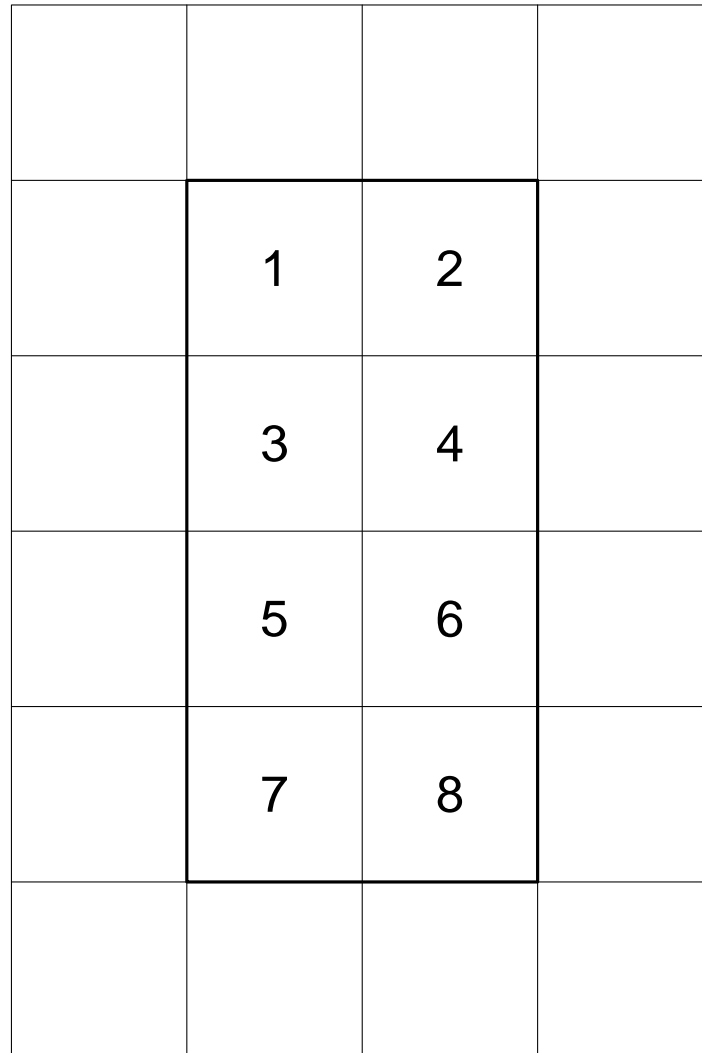
Contents

1 Plot Layout	2
2 Subplot Layout	3
3 ISE Plot 1	4
3.1 Plot 1, Subplot 1	4
3.2 Plot 1, Subplot 4	5
3.3 Plot 1, Subplot 5	6
3.4 Plot 1, Subplot 8	7
4 ISE Plot 2	8
4.1 Plot 2, Subplot 1	8
4.2 Plot 2, Subplot 4	9
4.3 Plot 2, Subplot 5	10
4.4 Plot 2, Subplot 8	11
5 ISE Plot 3	12
5.1 Plot 3, Subplot 1	12
5.2 Plot 3, Subplot 4	13
5.3 Plot 3, Subplot 5	14
5.4 Plot 3, Subplot 8	15
6 ISE Plot 4	16
6.1 Plot 4, Subplot 1	16
6.2 Plot 4, Subplot 4	17
6.3 Plot 4, Subplot 5	18
6.4 Plot 4, Subplot 8	19
7 ISE Plot 5	20
7.1 Plot 5, Subplot 1	20
7.2 Plot 5, Subplot 4	21
7.3 Plot 5, Subplot 5	22
7.4 Plot 5, Subplot 8	23
8 ISE Plot 6	24
8.1 Plot 6, Subplot 1	24
8.2 Plot 6, Subplot 4	25
8.3 Plot 6, Subplot 5	26
8.4 Plot 6, Subplot 8	27
9 ISE Plot 7	28
9.1 Plot 7, Subplot 1	28
9.2 Plot 7, Subplot 4	29
9.3 Plot 7, Subplot 5	30
9.4 Plot 7, Subplot 8	31

10 ISE Plot 8	32
10.1 Plot 8, Subplot 1	32
10.2 Plot 8, Subplot 4	33
10.3 Plot 8, Subplot 5	34
10.4 Plot 8, Subplot 8	35
11 ISE Plot 9	36
11.1 Plot 9, Subplot 1	36
11.2 Plot 9, Subplot 4	37
11.3 Plot 9, Subplot 5	38
11.4 Plot 9, Subplot 8	39
12 ISE Plot 10	40
12.1 Plot 10, Subplot 1	40
12.2 Plot 10, Subplot 4	41
12.3 Plot 10, Subplot 5	42
12.4 Plot 10, Subplot 8	43
13 Example R code	44

1 Plot Layout

Plots 1 and 2 are the northernmost plots. Subplots are 5 m by 5 m.



2 Subplot Layout

The layout of each subplot, split into 1 m by 1 m blocks. Blocks 1 through 5 are the northernmost blocks.

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

3 ISE Plot 1

3.1 Plot 1, Subplot 1

Original random plot locations

```
## [1] 1  
## [1] 18  
## [1] 22  
## [1] 10 19  
## [1] 16
```

Plot 1, Subplot 1

Coarse Woody Debris				
				Respiration
Trace gas		Lysimeter	Respiration	
	Soil Sensor			

Alternative plot locations in random order (all numbers after ##[1])

```
## [1] 9 25 24 2 17 14 13 23 12 6 3 20 11 5 7 21 15 4 8
```

3.2 Plot 1, Subplot 4

Original random plot locations

```
## [1] 5
## [1] 7
## [1] 11
## [1] 24 13
## [1] 3
```

Plot 1, Subplot 4

		Trace gas		Coarse Woody Debris
	Lysimeter			
Soil Sensor		Respiration		
			Respiration	

Alternative plot locations in random order

```
## [1] 21 18 12 22 6 25 4 8 20 2 17 1 19 23 16 15 9 10 14
```

3.3 Plot 1, Subplot 5

Original random plot locations

```
## [1] 1
## [1] 3
## [1] 22
## [1] 18 2
## [1] 23
```

Plot 1, Subplot 5

Coarse Woody Debris	Respiration	Lysimeter		
		Respiration		
	Soil Sensor	Trace gas		

Alternative plot locations in random order

```
## [1] 12 4 25 17 8 7 10 16 6 11 14 21 15 9 20 24 5 13 19
```

3.4 Plot 1, Subplot 8

Original random plot locations

```
## [1] 5
## [1] 1
## [1] 22
## [1] 7 12
## [1] 20
```

Plot 1, Subplot 8

Lysimeter				Coarse Woody Debris
	Respiration			
	Respiration			
				Trace gas
	Soil Sensor			

Alternative plot locations in random order

```
## [1] 8 9 14 21 11 3 17 15 4 6 18 24 25 16 2 19 23 13 10
```


4 ISE Plot 2

4.1 Plot 2, Subplot 1

Original random plot locations

```
## [1] 21  
## [1] 5 17 18 11 8
```

Plot 2, Subplot 1

				Lysimeter
		Trace gas		
Respiration				
	Soil Sensor	Respiration		
Coarse Woody Debris				

Alternative random plot locations

```
## [1] 19 25 22 14 16 24 12 13 15 9 7 2 1 23 3 6 4 20 10
```

4.2 Plot 2, Subplot 4

Original random plot locations

```
## [1] 25  
## [1] 10 13 23 15 12
```

Plot 2, Subplot 4

				Lysimeter
	Trace gas	Soil Sensor		Respiration
		Respiration		Coarse Woody Debris

Alternative random plot locations

```
## [1] 24 11 17 16 8 18 7 19 3 22 1 6 14 2 4 21 9 5 20
```

4.3 Plot 2, Subplot 5

Original random plot locations

```
## [1] 21  
## [1] 2 7 23 6 11
```

Plot 2, Subplot 5

	Lysimeter			
Respiration	Soil Sensor			
Trace gas				
Coarse Woody Debris		Respiration		

Alternative random plot locations

```
## [1] 20 19 13 9 16 15 5 17 10 3 4 1 14 25 24 12 8 22 18
```

4.4 Plot 2, Subplot 8

Original random plot locations

```
## [1] 25  
## [1] 15 13 9 8 12
```

Plot 2, Subplot 8

		Respiration	Respiration	
	Trace gas	Soil Sensor		Lysimeter
				Coarse Woody Debris

Alternative random plot locations

```
## [1] 5 18 6 4 20 23 7 14 24 21 2 10 3 22 17 19 1 16 11
```

5 ISE Plot 3

5.1 Plot 3, Subplot 1

Original random plot locations

```
## [1] 21
## [1] 11 1 18 16 15
```

Plot 3, Subplot 1

Soil Sensor				
Lysimeter				Trace gas
Respiration		Respiration		
Coarse Woody Debris				

Alternative random plot locations

```
## [1] 4 22 6 25 14 7 19 23 9 17 13 5 10 24 2 3 8 20 12
```

5.2 Plot 3, Subplot 4

Original random plot locations

```
## [1] 25
## [1] 17 18 16 19 22
```

Plot 3, Subplot 4

Respiration	Lysimeter	Soil Sensor	Respiration	
	Trace gas			Coarse Woody Debris

Alternative random plot locations

```
## [1] 10 8 23 24 12 14 11 5 3 7 9 20 2 15 6 13 1 21 4
```

5.3 Plot 3, Subplot 5

Original random plot locations

```
## [1] 21
## [1] 17 7 23 18 25
```

Plot 3, Subplot 5

	Soil Sensor			
	Lysimeter	Respiration		
Coarse Woody Debris		Respiration		Trace gas

Alternative random plot locations

```
## [1] 13 9 24 14 22 6 19 12 11 1 10 4 3 2 20 15 16 5 8
```

5.4 Plot 3, Subplot 8

Original random plot locations

```
## [1] 25
## [1] 22 1 7 20 3
```

Plot 3, Subplot 8

Soil Sensor		Trace gas		
	Respiration			
				Respiration
	Lysimeter			Coarse Woody Debris

Alternative random plot locations

```
## [1] 14 10 13 18 15 6 5 12 17 16 21 9 23 8 24 11 2 4 19
```


6 ISE Plot 4

6.1 Plot 4, Subplot 1

Original random plot locations

```
## [1] 1  
## [1] 9 6 18 14 25
```

Plot 4, Subplot 1

Coarse Woody Debris				
	Soil Sensor		Lysimeter	
			Respiration	
		Respiration		
				Trace gas

Alternative random plot locations

```
## [1] 7 22 19 16 11 15 4 23 24 10 5 21 3 13 12 2 17 8 20
```

6.2 Plot 4, Subplot 4

Original random plot locations

```
## [1] 5
## [1] 1 3 7 16 19
```

Plot 4, Subplot 4

Lysimeter		Soil Sensor		Coarse Woody Debris
	Respiration			
Respiration			Trace gas	

Alternative random plot locations

```
## [1] 17 22 6 15 4 20 2 24 8 23 25 14 9 10 11 21 18 13 12
```

6.3 Plot 4, Subplot 5

Original random plot locations

```
## [1] 21
## [1] 2 13 1 15 19
```

Plot 4, Subplot 5

Respiration	Lysimeter			
		Soil Sensor		Respiration
			Trace gas	
Coarse Woody Debris				

Alternative random plot locations

```
## [1] 10 9 20 24 18 4 16 3 5 7 17 23 6 8 14 25 12 11 22
```

6.4 Plot 4, Subplot 8

Original random plot locations

```
## [1] 5  
## [1] 11 10 7 20 1
```

Plot 4, Subplot 8

Trace gas				Coarse Woody Debris
	Respiration			Soil Sensor
Lysimeter				
				Respiration

Alternative random plot locations

```
## [1] 8 12 25 15 6 13 14 22 16 23 24 18 2 21 9 17 3 4 19
```

7 ISE Plot 5

7.1 Plot 5, Subplot 1

Original random plot locations

```
## [1] 21  
## [1] 14 15 8 6 22
```

Plot 5, Subplot 1

Respiration		Respiration		
			Lysimeter	Soil Sensor
Coarse Woody Debris	Trace gas			

Alternative random plot locations

```
## [1] 17 10 4 24 5 23 19 20 1 18 3 9 12 11 13 16 2 25 7
```

7.2 Plot 5, Subplot 4

Original random plot locations

```
## [1] 5  
## [1] 21 16 20 1 2
```

Plot 5, Subplot 4

Respiration	Trace gas			Coarse Woody Debris
Soil Sensor				Respiration
Lysimeter				

Alternative random plot locations

```
## [1] 10 3 8 18 19 13 22 9 14 12 23 7 25 6 11 17 4 15 24
```

7.3 Plot 5, Subplot 5

Original random plot locations

```
## [1] 1  
## [1] 25 2 6 14 23
```

Plot 5, Subplot 5

Coarse Woody Debris	Soil Sensor			
Respiration				
			Respiration	
		Trace gas		Lysimeter

Alternative random plot locations

```
## [1] 11 17 21 12 24 15 4 3 19 18 16 5 13 22 10 9 7 8 20
```

7.4 Plot 5, Subplot 8

Original random plot locations

```
## [1] 5
## [1] 15 24 18 4 16
```

Plot 5, Subplot 8

			Respiration	Coarse Woody Debris
				Lysimeter
Trace gas		Respiration		
			Soil Sensor	

Alternative random plot locations

```
## [1] 21 3 12 11 10 25 9 8 1 20 6 22 2 14 7 17 23 19 13
```


8 ISE Plot 6

8.1 Plot 6, Subplot 1

Original random plot locations

```
## [1] 1  
## [1] 8 23 22 19 24
```

Plot 6, Subplot 1

Coarse Woody Debris				
		Lysimeter		
			Respiration	
	Respiration	Soil Sensor	Trace gas	

Alternative random plot locations

```
## [1] 12 16 7 20 6 15 2 11 14 13 21 25 9 17 10 18 5 3 4
```

8.2 Plot 6, Subplot 4

Original random plot locations

```
## [1] 25  
## [1] 1 4 3 7 23
```

Plot 6, Subplot 4

Lysimeter		Respiration	Soil Sensor	
	Respiration			
		Trace gas		Coarse Woody Debris

Alternative random plot locations

```
## [1] 13 18 5 24 11 21 15 2 16 14 17 20 6 8 19 22 12 10 9
```

8.3 Plot 6, Subplot 5

Original random plot locations

```
## [1] 1  
## [1] 22 11 4 13 16
```

Plot 6, Subplot 5

Coarse Woody Debris			Respiration	
Soil Sensor		Respiration		
Trace gas				
	Lysimeter			

Alternative random plot locations

```
## [1] 25 15 8 18 14 9 7 12 3 17 20 10 24 19 2 6 21 23 5
```

8.4 Plot 6, Subplot 8

Original random plot locations

```
## [1] 5  
## [1] 12 22 9 25 24
```

Plot 6, Subplot 8

				Coarse Woody Debris
			Respiration	
	Lysimeter			
	Soil Sensor		Trace gas	Respiration

Alternative random plot locations

```
## [1] 3 17 10 16 13 6 20 2 4 23 7 18 21 1 19 15 14 11 8
```

9 ISE Plot 7

9.1 Plot 7, Subplot 1

Original random plot locations

```
## [1] 1  
## [1] 23 3 11 15 10
```

Plot 7, Subplot 1

Coarse Woody Debris		Soil Sensor		
				Trace gas
Respiration				Respiration
		Lysimeter		

Alternative random plot locations

```
## [1] 14 21 5 25 6 2 7 18 4 20 13 16 24 9 22 12 8 19 17
```

9.2 Plot 7, Subplot 4

Original random plot locations

```
## [1] 5  
## [1] 1 14 21 15 3
```

Plot 7, Subplot 4

Lysimeter		Trace gas		Coarse Woody Debris
			Soil Sensor	Respiration
Respiration				

Alternative random plot locations

```
## [1] 20 16 11 13 8 17 6 19 23 25 22 18 7 9 12 24 10 2 4
```

9.3 Plot 7, Subplot 5

Original random plot locations

```
## [1] 1  
## [1] 13 7 6 4 25
```

Plot 7, Subplot 5

Coarse Woody Debris			Respiration	
Respiration	Soil Sensor			
		Lysimeter		
				Trace gas

Alternative random plot locations

```
## [1] 9 5 18 14 2 24 17 21 15 10 16 20 22 8 12 11 3 23 19
```

9.4 Plot 7, Subplot 8

Original random plot locations

```
## [1] 25  
## [1] 23 9 8 4 3
```

Plot 7, Subplot 8

		Trace gas	Respiration	
		Respiration	Soil Sensor	
		Lysimeter		Coarse Woody Debris

Alternative random plot locations

```
## [1] 13 1 14 11 15 16 24 20 6 2 10 17 21 5 12 19 22 18 7
```


10 ISE Plot 8

10.1 Plot 8, Subplot 1

Original random plot locations

```
## [1] 1  
## [1] 20 15 18 23 24
```

Plot 8, Subplot 1

Coarse Woody Debris				
				Soil Sensor
		Respiration		Lysimeter
		Respiration	Trace gas	

Alternative random plot locations

```
## [1] 25 10 6 19 4 17 12 7 3 13 11 21 5 22 14 2 9 16 8
```

10.2 Plot 8, Subplot 4

Original random plot locations

```
## [1] 5  
## [1] 23 15 19 2 3
```

Plot 8, Subplot 4

	Respiration	Trace gas		Coarse Woody Debris
				Soil Sensor
			Respiration	
		Lysimeter		

Alternative random plot locations

```
## [1] 20 10 4 12 13 16 24 11 14 8 25 1 9 6 7 21 17 18 22
```

10.3 Plot 8, Subplot 5

Original random plot locations

```
## [1] 1  
## [1] 18 11 4 7 23
```

Plot 8, Subplot 5

Coarse Woody Debris			Respiration	
	Respiration			
Soil Sensor				
		Lysimeter		
		Trace gas		

Alternative random plot locations

```
## [1] 16 2 20 17 6 14 10 24 3 5 25 9 21 15 12 19 22 8 13
```

10.4 Plot 8, Subplot 8

Original random plot locations

```
## [1] 25  
## [1] 9 12 11 3 24
```

Plot 8, Subplot 8

		Respiration		
			Lysimeter	
Respiration	Soil Sensor			
			Trace gas	Coarse Woody Debris

Alternative random plot locations

```
## [1] 21 22 17 7 6 14 5 10 1 13 16 19 20 4 2 23 15 8 18
```

11 ISE Plot 9

11.1 Plot 9, Subplot 1

Original random plot locations

```
## [1] 1  
## [1] 21 7 23 11 17
```

Plot 9, Subplot 1

Coarse Woody Debris				
	Soil Sensor			
Respiration				
	Trace gas			
Lysimeter		Respiration		

Alternative random plot locations

```
## [1] 6 10 19 3 20 25 18 5 15 22 12 24 2 16 14 4 8 9 13
```

11.2 Plot 9, Subplot 4

Original random plot locations

```
## [1] 5  
## [1] 14 18 6 11 9
```

Plot 9, Subplot 4

				Coarse Woody Debris
Respiration			Trace gas	
Respiration			Lysimeter	
		Soil Sensor		

Alternative random plot locations

```
## [1] 15 25 24 12 21 22 2 10 3 4 13 17 20 19 23 8 7 1 16
```

11.3 Plot 9, Subplot 5

Original random plot locations

```
## [1] 21
## [1] 4 15 25 7 5
```

Plot 9, Subplot 5

			Lysimeter	Trace gas
	Respiration			
				Soil Sensor
Coarse Woody Debris				Respiration

Alternative random plot locations

```
## [1] 24 9 8 17 14 18 10 22 16 1 3 13 6 12 11 2 19 20 23
```

11.4 Plot 9, Subplot 8

Original random plot locations

```
## [1] 5  
## [1] 16 7 11 9 2
```

Plot 9, Subplot 8

	Trace gas			Coarse Woody Debris
	Soil Sensor		Respiration	
Respiration				
Lysimeter				

Alternative random plot locations

```
## [1] 3 10 25 20 19 18 22 17 4 23 21 12 14 15 6 24 1 13 8
```


12 ISE Plot 10

12.1 Plot 10, Subplot 1

Original random plot locations

```
## [1] 21  
## [1] 20 18 14 4 5
```

Plot 10, Subplot 1

			Respiration	Trace gas
			Respiration	
		Soil Sensor		Lysimeter
Coarse Woody Debris				

Alternative random plot locations

```
## [1] 16 8 10 19 7 1 23 13 3 2 11 17 9 12 6 22 24 25 15
```

12.2 Plot 10, Subplot 4

Original random plot locations

```
## [1] 25  
## [1] 2 4 17 8 12
```

Plot 10, Subplot 4

	Lysimeter		Soil Sensor	
		Respiration		
	Trace gas			
	Respiration			
				Coarse Woody Debris

Alternative random plot locations

```
## [1] 3 1 19 7 5 10 20 16 23 6 21 22 18 14 24 9 15 13 11
```

12.3 Plot 10, Subplot 5

Original random plot locations

```
## [1] 1  
## [1] 22 2 6 12 14
```

Plot 10, Subplot 5

Coarse Woody Debris	Soil Sensor			
Respiration				
	Respiration		Trace gas	
	Lysimeter			

Alternative random plot locations

```
## [1] 11 9 5 13 15 24 17 4 20 7 8 25 18 21 3 16 10 19 23
```

12.4 Plot 10, Subplot 8

Original random plot locations

```
## [1] 5
## [1] 6 14 24 13 18
```

Plot 10, Subplot 8

				Coarse Woody Debris
Lysimeter				
		Respiration	Soil Sensor	
		Trace gas		
			Respiration	

Alternative random plot locations

```
## [1] 7 15 17 4 10 20 1 12 8 23 19 11 22 21 2 25 16 3 9
```

13 Example R code

```
plot.window(xlim=c(0,5), ylim=c(0,5), asp=1)
plot(2.5, 2.5, type="n", xlim=c(0,5), ylim=c(0,5), asp=1, axes=F,
     ylab="", xlab="", main="Plot 5, Subplot 1")
#outside borders
rect(0,0,5,5, asp=1)
#vertical lines
segments(c(1,2,3,4), c(rep(0, 4)), c(1,2,3,4), c(rep(5, 4)), asp=1)
#horizontal lines
segments(c(rep(0, 4)), c(1,2,3,4), c(rep(5, 4)), c(1,2,3,4), asp=1)

##Random number generation
#sample(c(1, 21), 1)
cwd<-21; cwd #From first run
#p5.1<-sample(c(1:20, 22:25), 24)
p5.1<-c(14, 15, 8, 6, 22, 17, 10, 4, 24, 5, 23, 19, 20, 1, 18, 3,
        9, 12, 11, 13, 16, 2, 25, 7) #From first run
p5.1[1:5]

#cwd
rect(0, 0, 1, 1, asp=1, col="lightgray")
text(0.5, 0.73, label="Coarse", asp=1, cex=1)
text(0.5, 0.5, label="Woody", asp=1)
text(0.5, 0.3, label="Debris", asp=1)
#lysimeter
rect(3, 2, 4, 3, asp=1, col="lightgray")
text(3.5, 2.5, label="Lysimeter", asp=1)
#Soil Sensors
rect(4, 2, 5, 3, asp=1, col="lightgray")
text(4.5, 2.6, label="Soil", asp=1)
text(4.5, 2.4, label="Sensor", asp=1)
#Soil Respiration
rect(2, 3, 3, 4, asp=1, col="lightgray")
rect(0, 3, 1, 4, asp=1, col="lightgray")
text(2.5, 3.5, label="Respiration", asp=1)
text(0.5, 3.5, label="Respiration", asp=1)
#Trace gas
rect(1, 0, 2, 1, asp=1, col="lightgray")
text(1.5, 0.5, label="Trace gas", asp=1)

p5.1[6:24]
```