Tree and Equipment Positions For SPRUCE Plots and Enclosures

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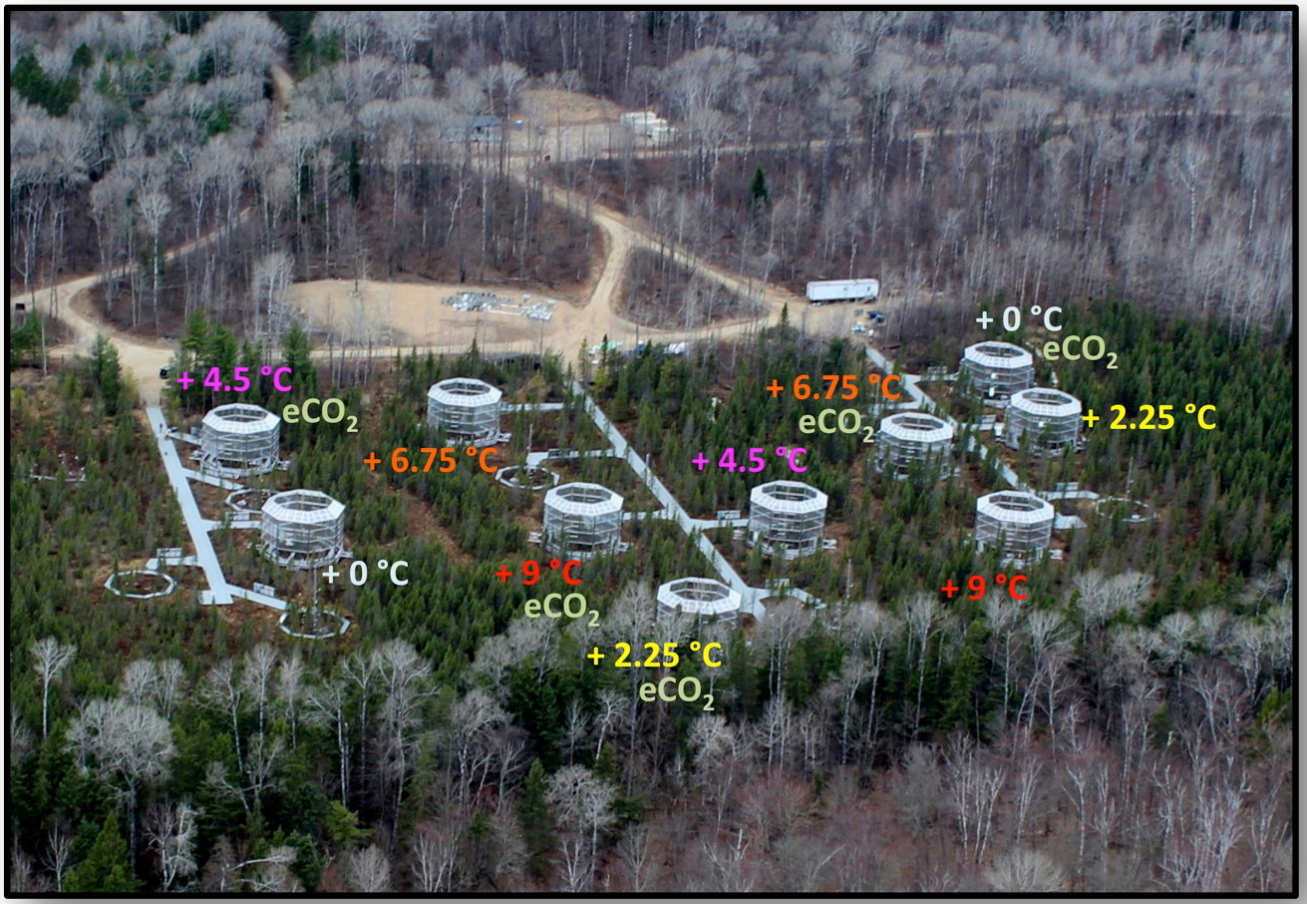
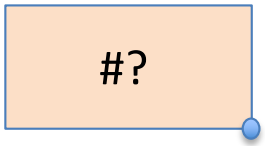
28 October 2020

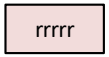


Legend for the Plot Maps (shown over a 1 x 1 m square grid)

1. Tree locations are approximate (circle diameter is dbh – scale shown)
2. Temporary bridge locations =
3. Heater casings = H
4. CO2/CH4 Flux collar =
5. Minirhizotron installations = Mr or AMr
6. Coring location Aug2012 and June 2014 = CC C CC C C_{kb}
7. Tower location =
8. Guy wire =
9. Water Table Depth Well = W
10. 0.5 m Temp/RH = 0.5
11. Water sampling Array
12. Elevation Standard

Legend for the Plot Maps (continued page 2)

13. Community Plots (corner stakes marked) 

14. Resin Arrays 

15. Ingrowth Cores IGrC

16. Small-diameter water sampling Array

17. Finzi Hummock and Hollow collars

18. Belowground Temperature Probes

19. NPP Clipped Plots

20. Junction Box

21. Sap/Dendro Box

22. Decomposition Sample Areas

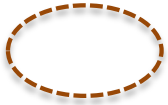
23. Under boardwalk coring (Keller/Bridgham)

24. Target Area for shrub-level phenocam

Legend for the Plot Maps (continued page 3)

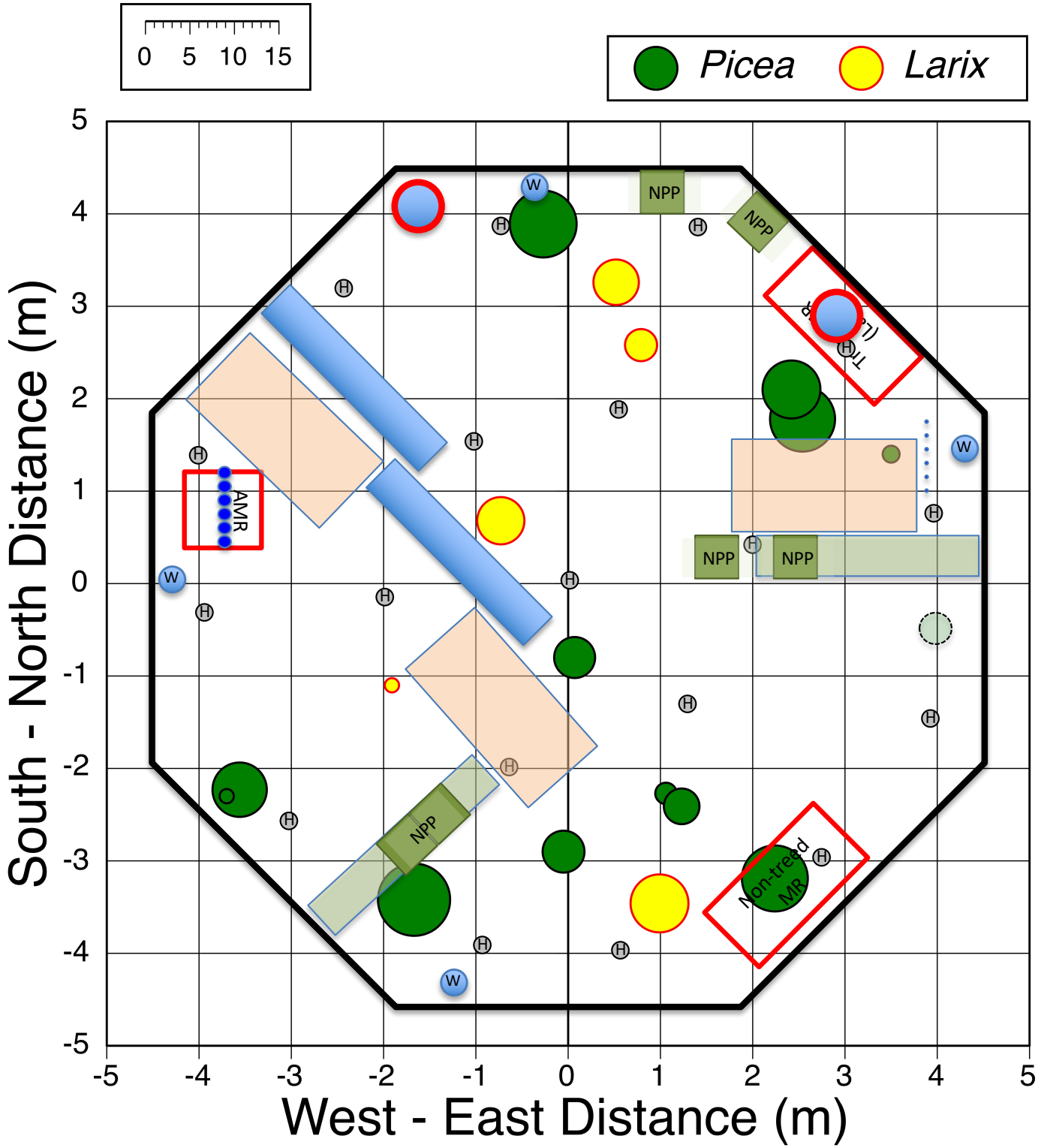
25. Li-8100

26. NDVI Sensor

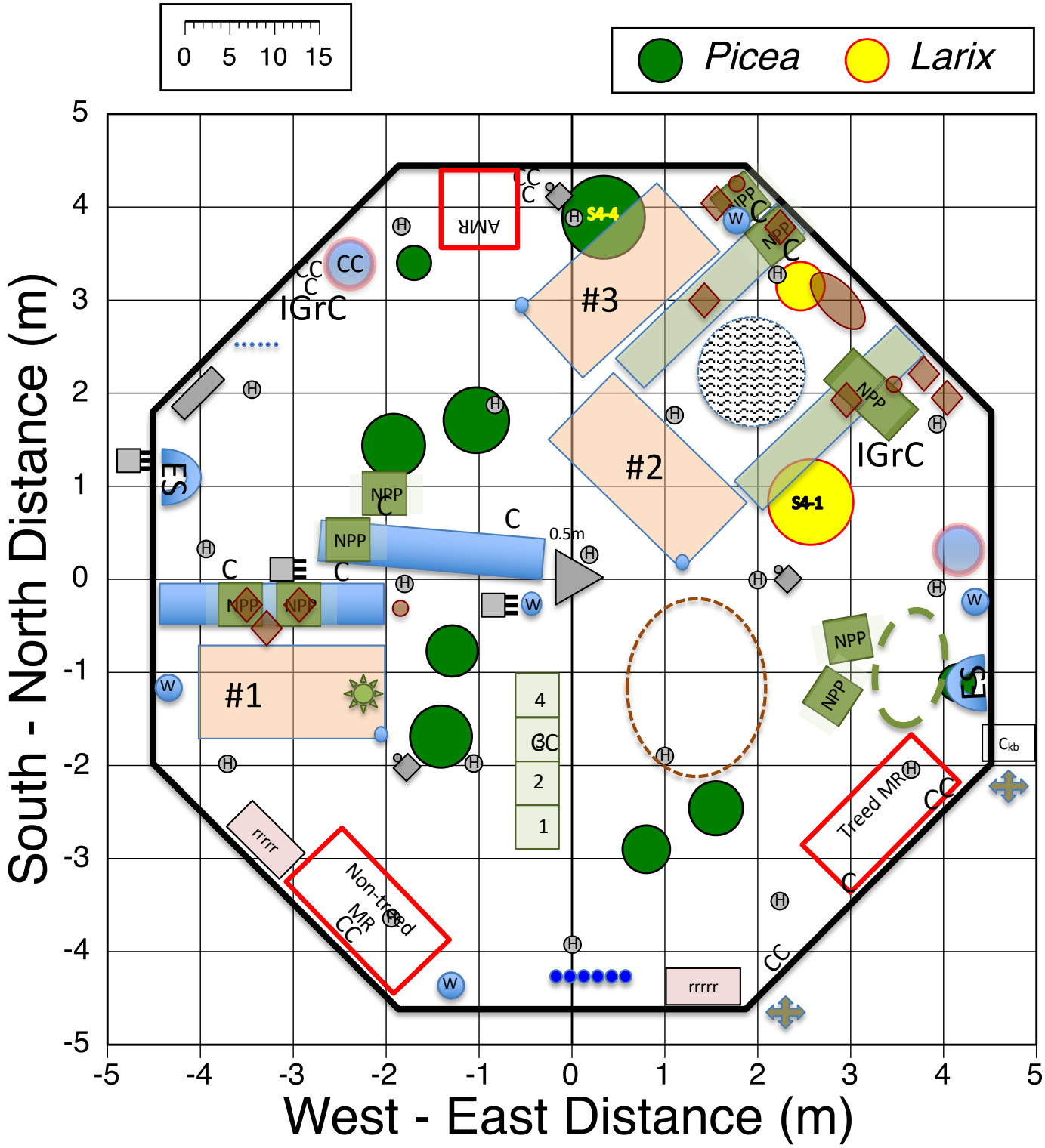
27. Mineralization 

Symbol sizes on the maps are scaled to the 1 x 1 m grid. Tree circle diameters are not to scale.
Clipped NPP plots under the entry temporary boardwalks are not represented.

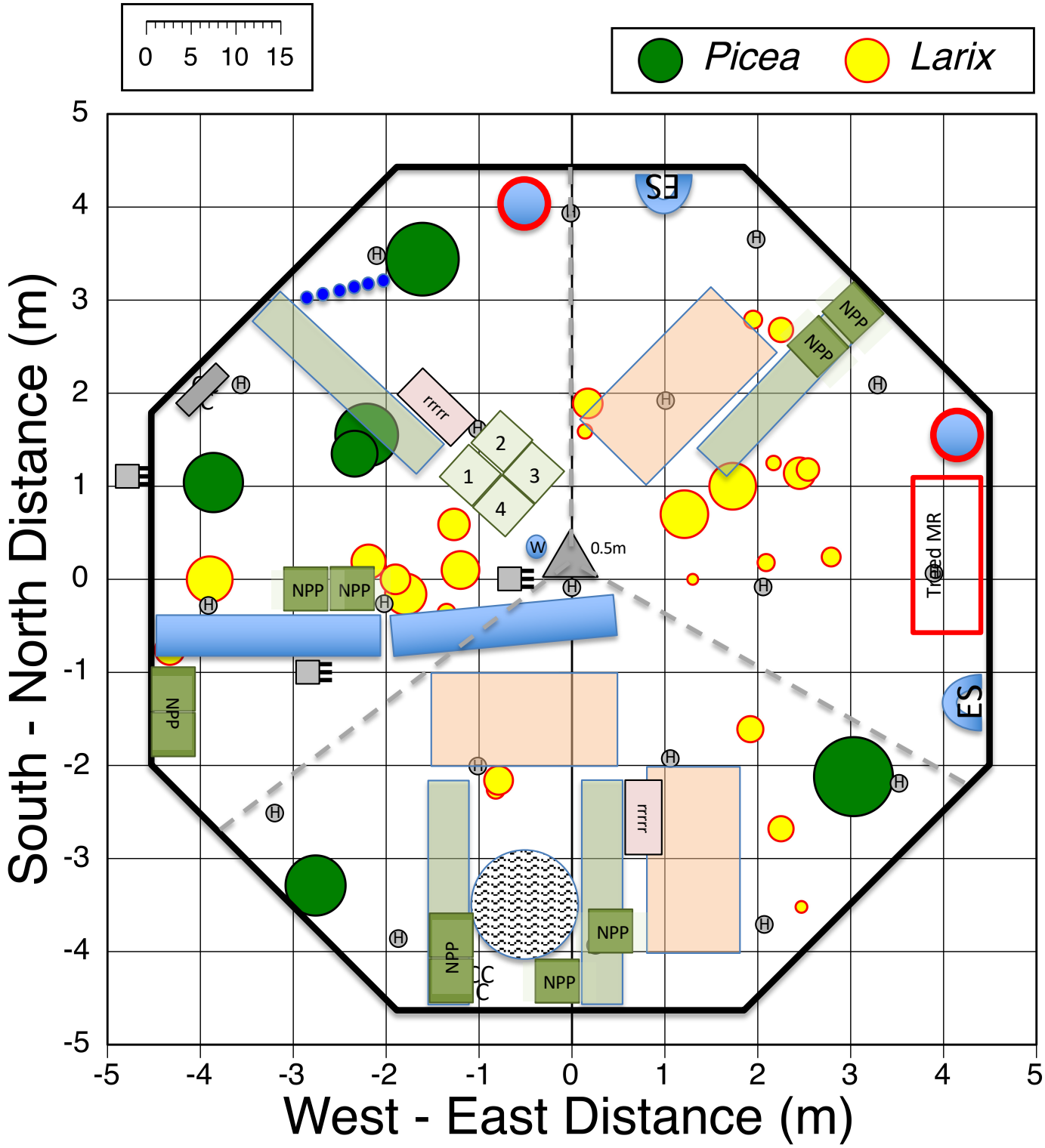
Plot #2
Ambient



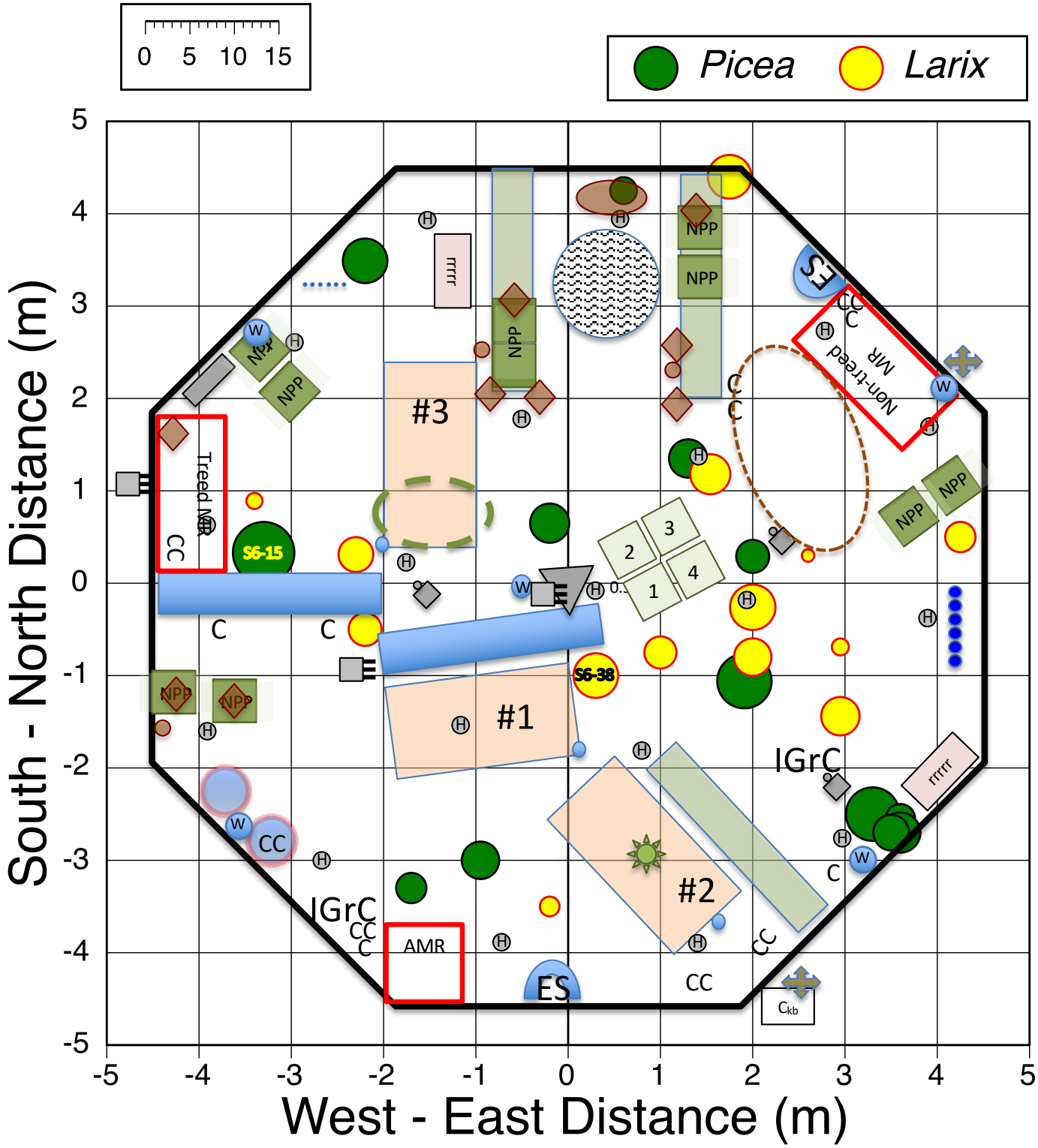
Plot #4
+4.5 °C


0 5 10 15
Picea
Larix
South - North Distance (m)
West - East Distance (m)
5
4
3
2
1
0
-1
-2
-3
-4
-5
-5
-4
-3
-2
-1
0
1
2
3
4
5
#1
#2
#3
S4-4
S4-1
AMR
IGrC
CC
C
NPP
W
H
ES
0.5m
4
3
2
1
rrrrr
Non-treed MR
Treed MR
Ckb

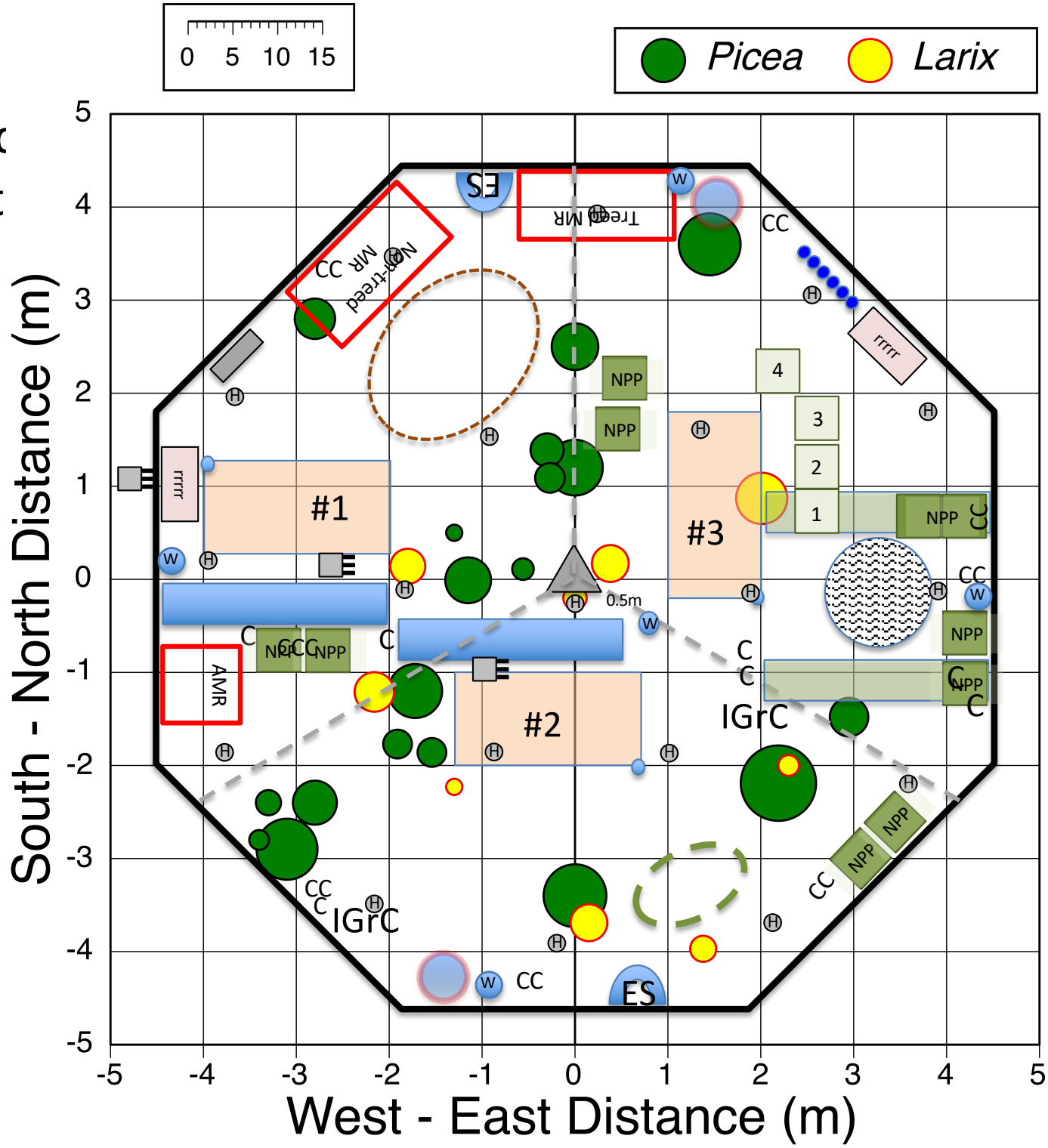
Plot #5
Ambient



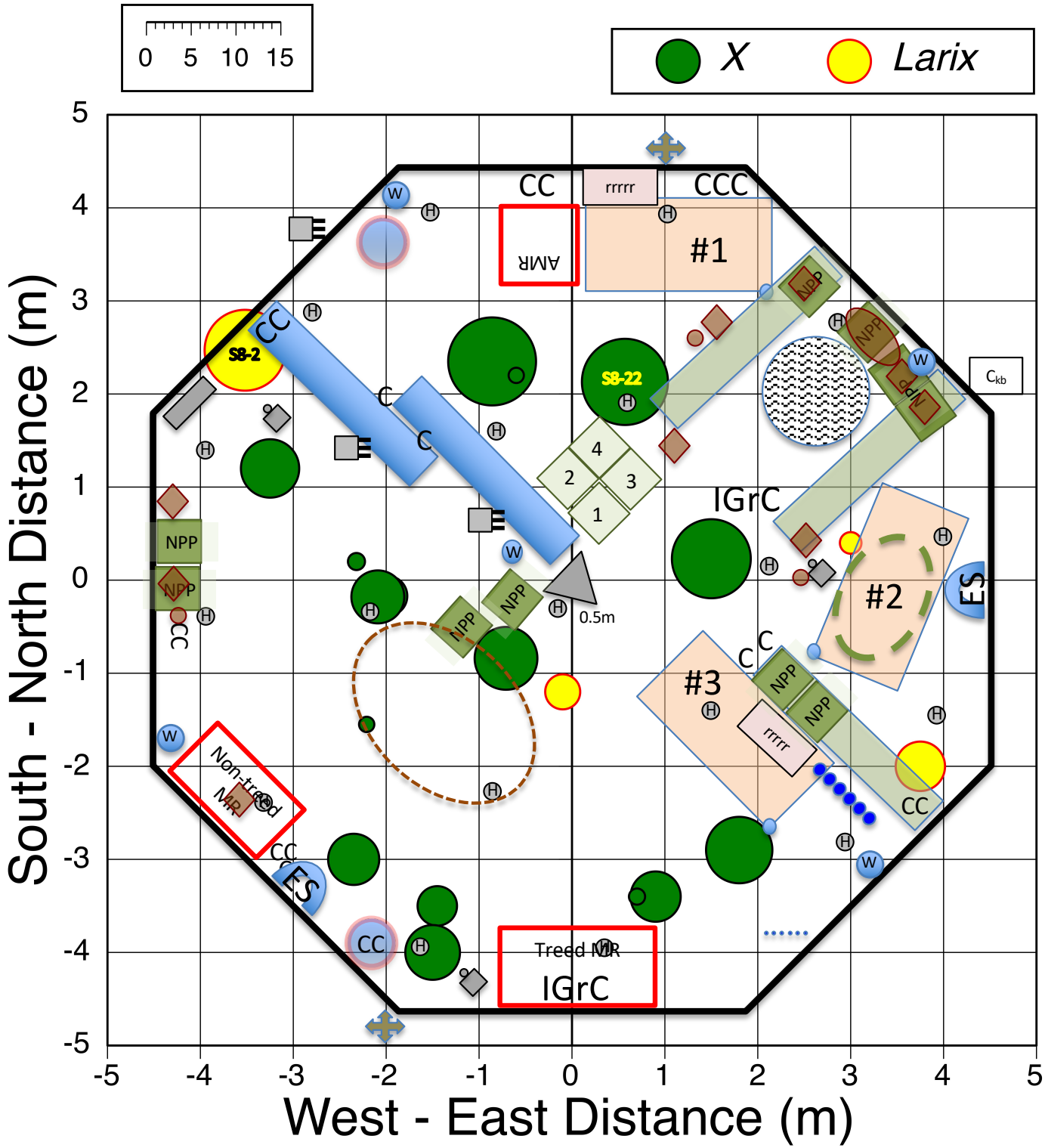
Plot #6
Control
+0 °C



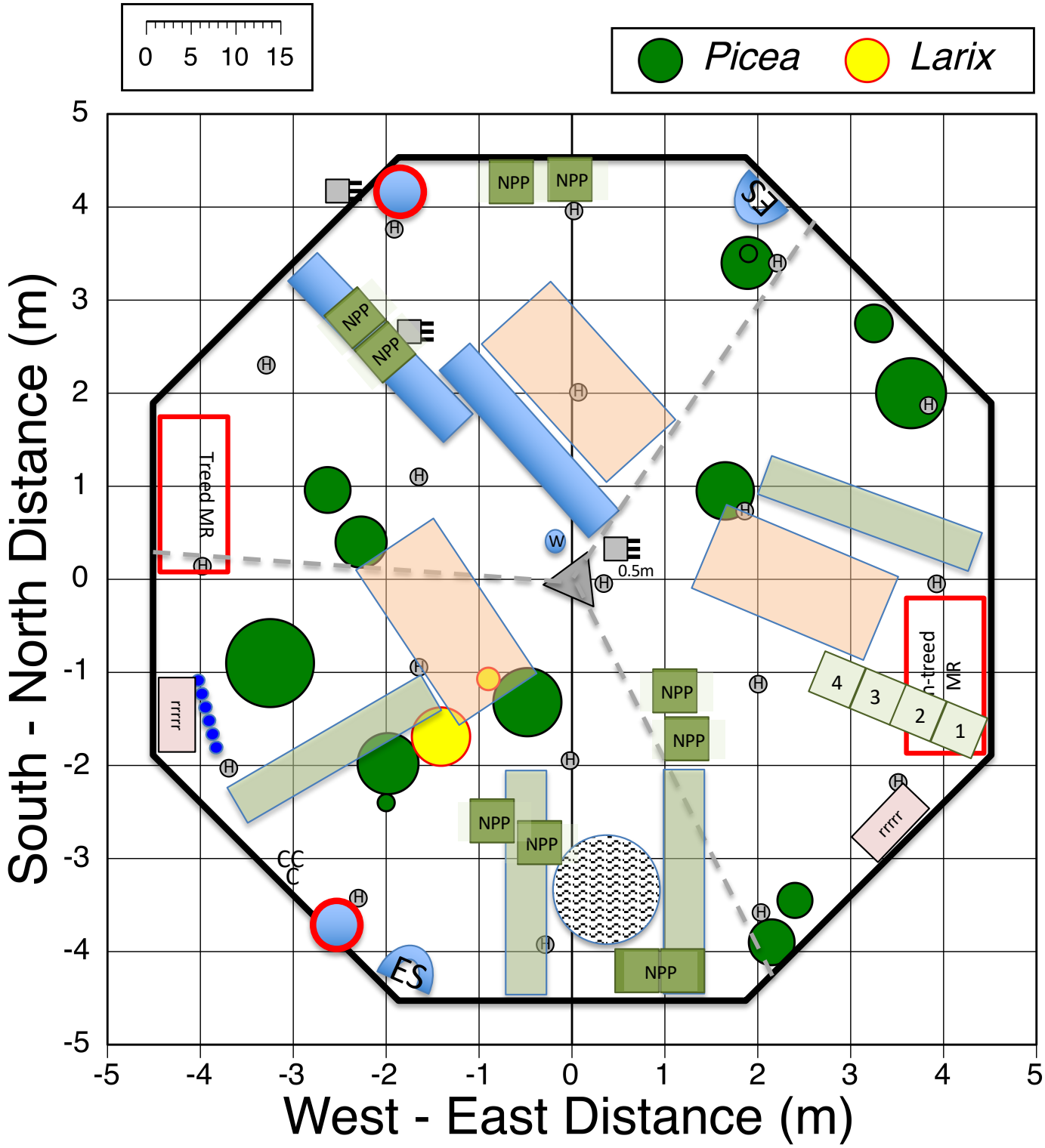
Plot #7
Measured
Ambient



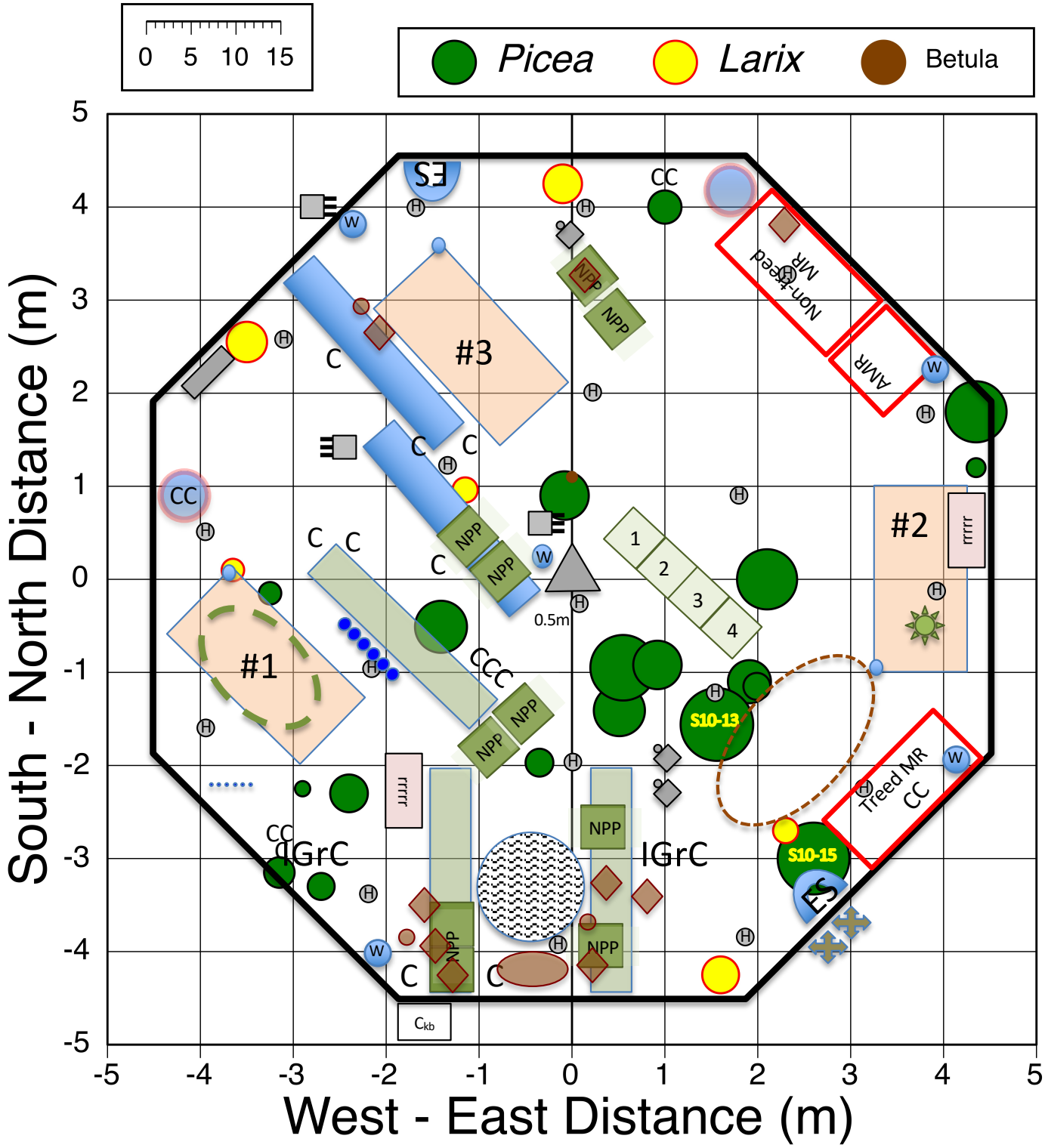
Plot #8
+6.75 °C


0 5 10 15
X
Larix
South - North Distance (m)
West - East Distance (m)
5
4
3
2
1
0
-1
-2
-3
-4
-5
CC
rrrrr
CCC
#1
AMR
S8-2
S8-22
C
4
2
3
1
IGrC
NPP
0.5m
#2
ES
#3
Non-treed NR
Treed NR
Ckb
W
H

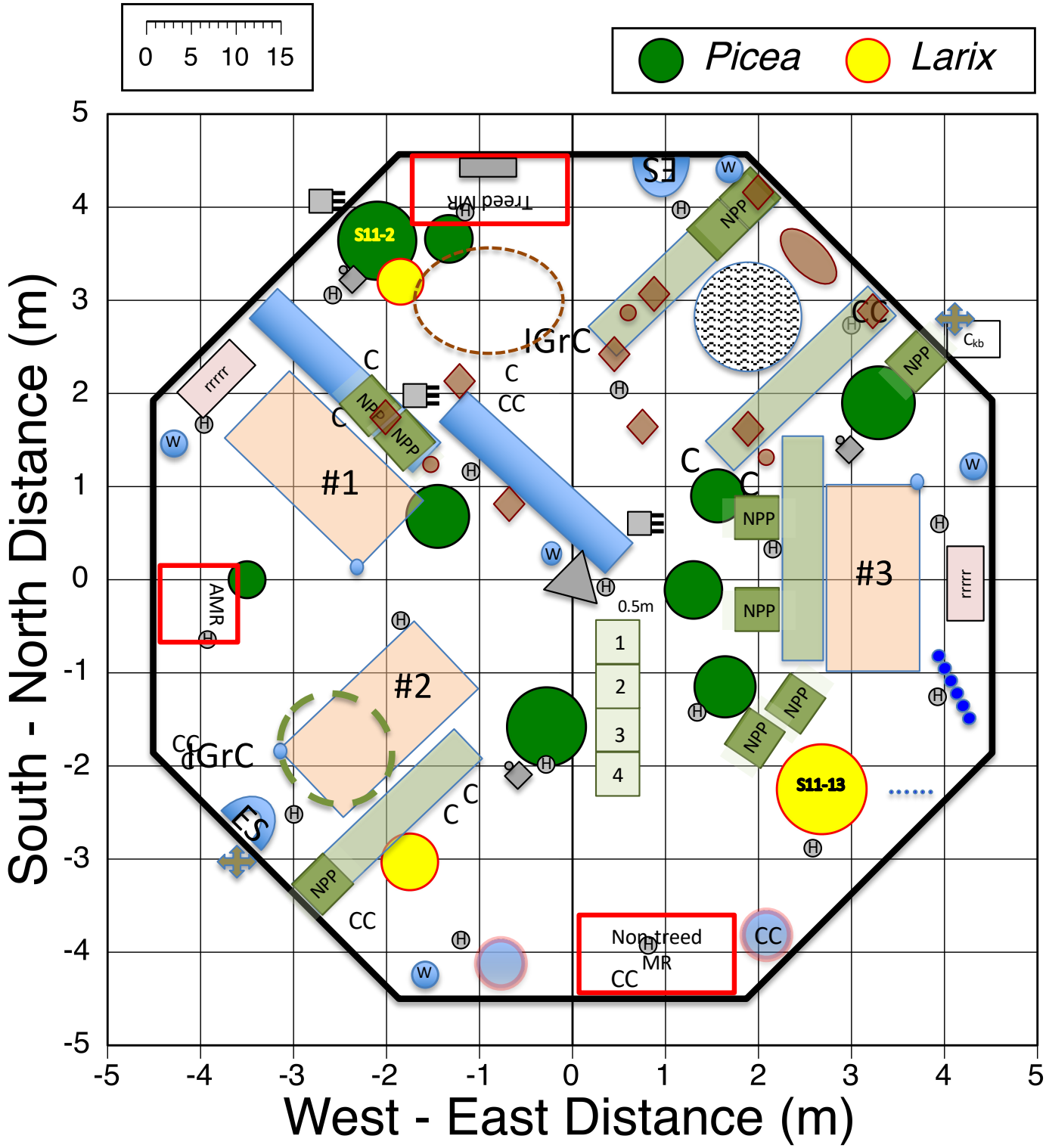
Plot #9
Ambient



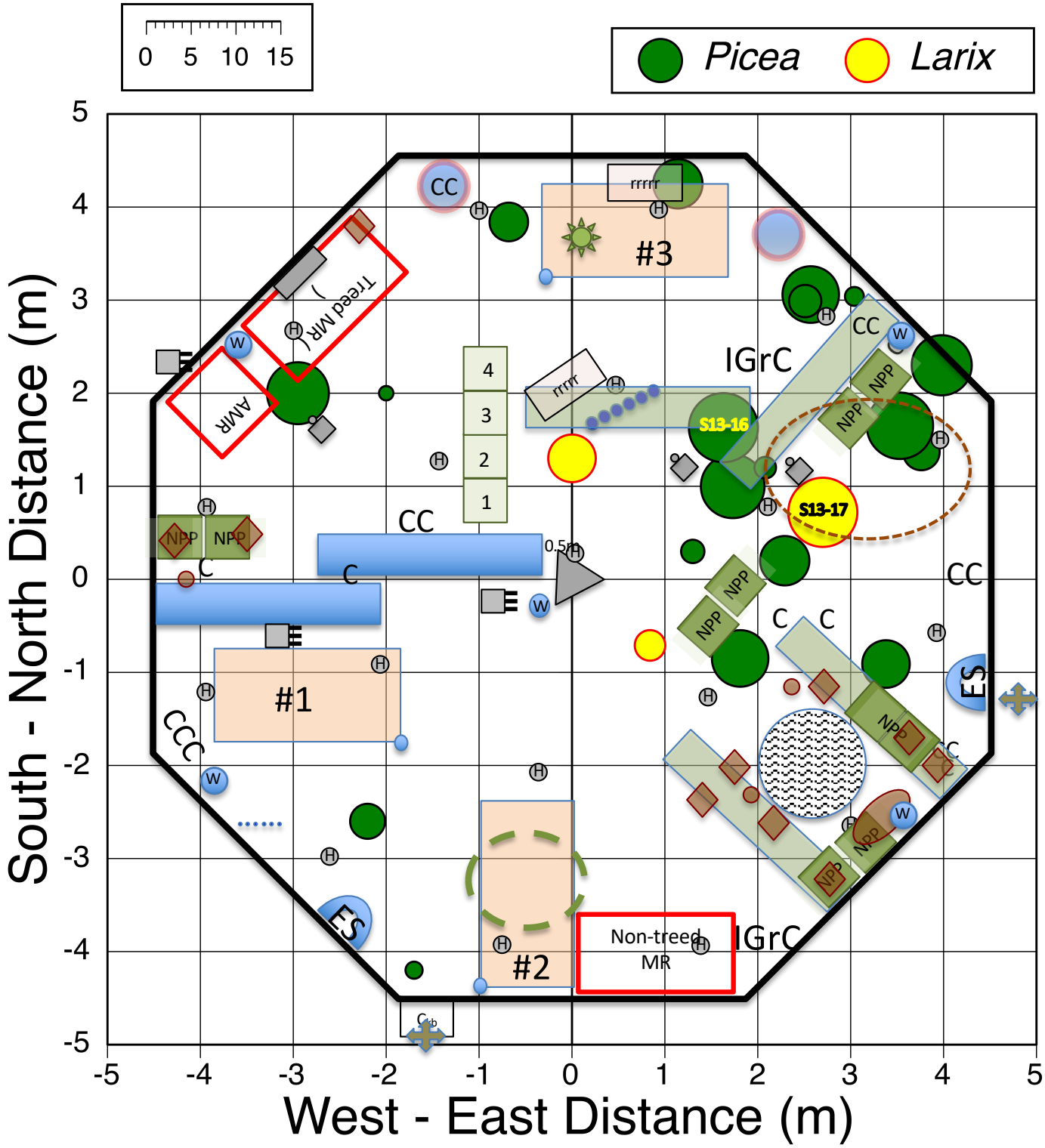
Plot #10
+9 °C


0 5 10 15
Picea
Larix
Betula
South - North Distance (m)
West - East Distance (m)
#1
#2
#3
IGrC
CC
C
CCC
NPP
ES
W
H
0.5m
1
2
3
4
S10-13
S10-15
Non-treed MR
AMR
Treed MR
rrrrr
Ckb

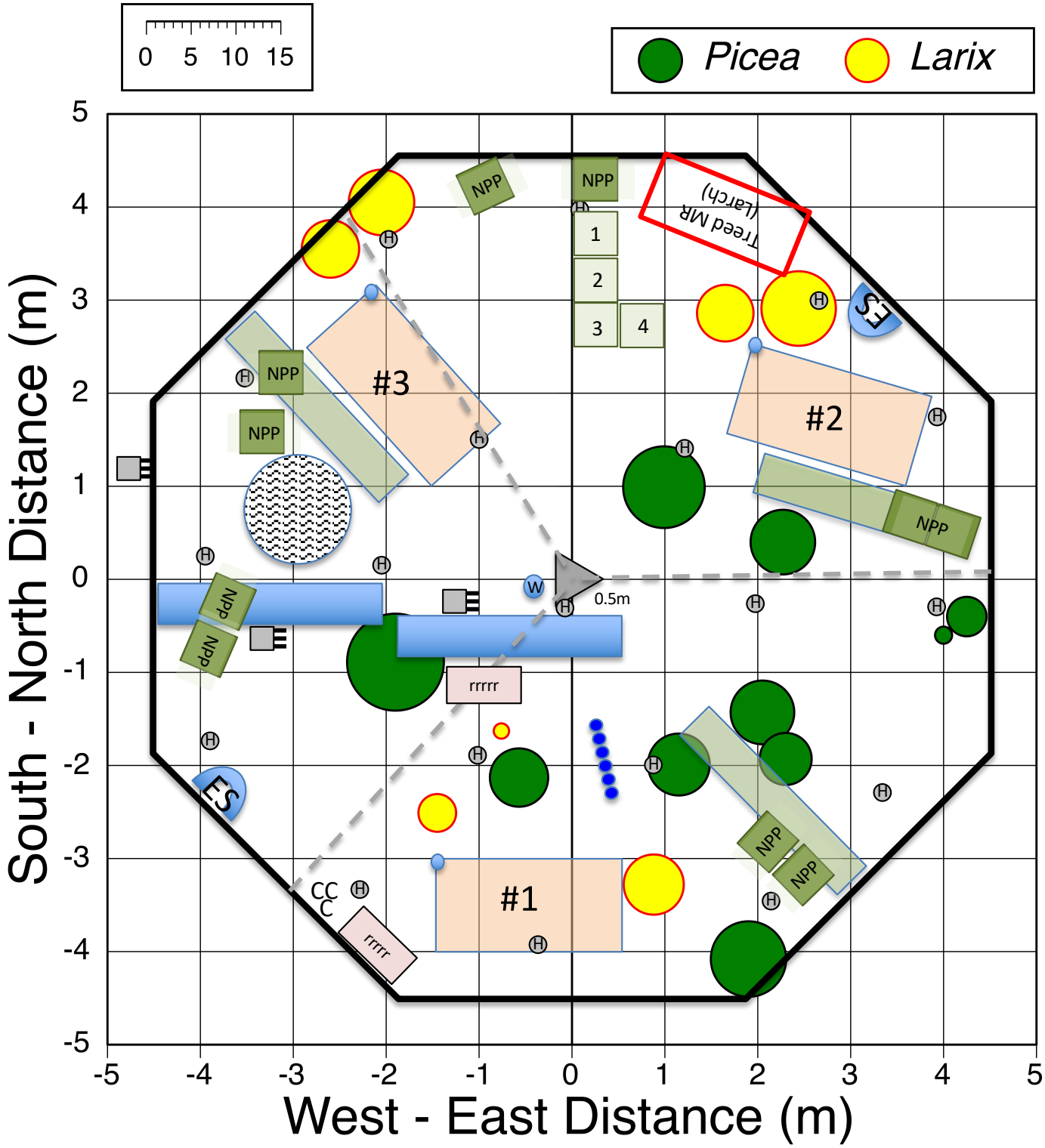
Plot #11
+2.25 °C


0 5 10 15
Picea
Larix
South - North Distance (m)
West - East Distance (m)
5
4
3
2
1
0
-1
-2
-3
-4
-5
S11-2
S11-13
Treed MR
Non treed MR
AMR
rrrrr
rrrrr
ES
ES
W
W
W
W
NPP
NPP
NPP
NPP
NPP
NPP
NPP
NPP
C
C
C
C
C
C
C
C
C
C
CC
CC
CC
CC
CC
CC
IGrC
dGrC
#1
#2
#3
0.5m
1
2
3
4
Ckb

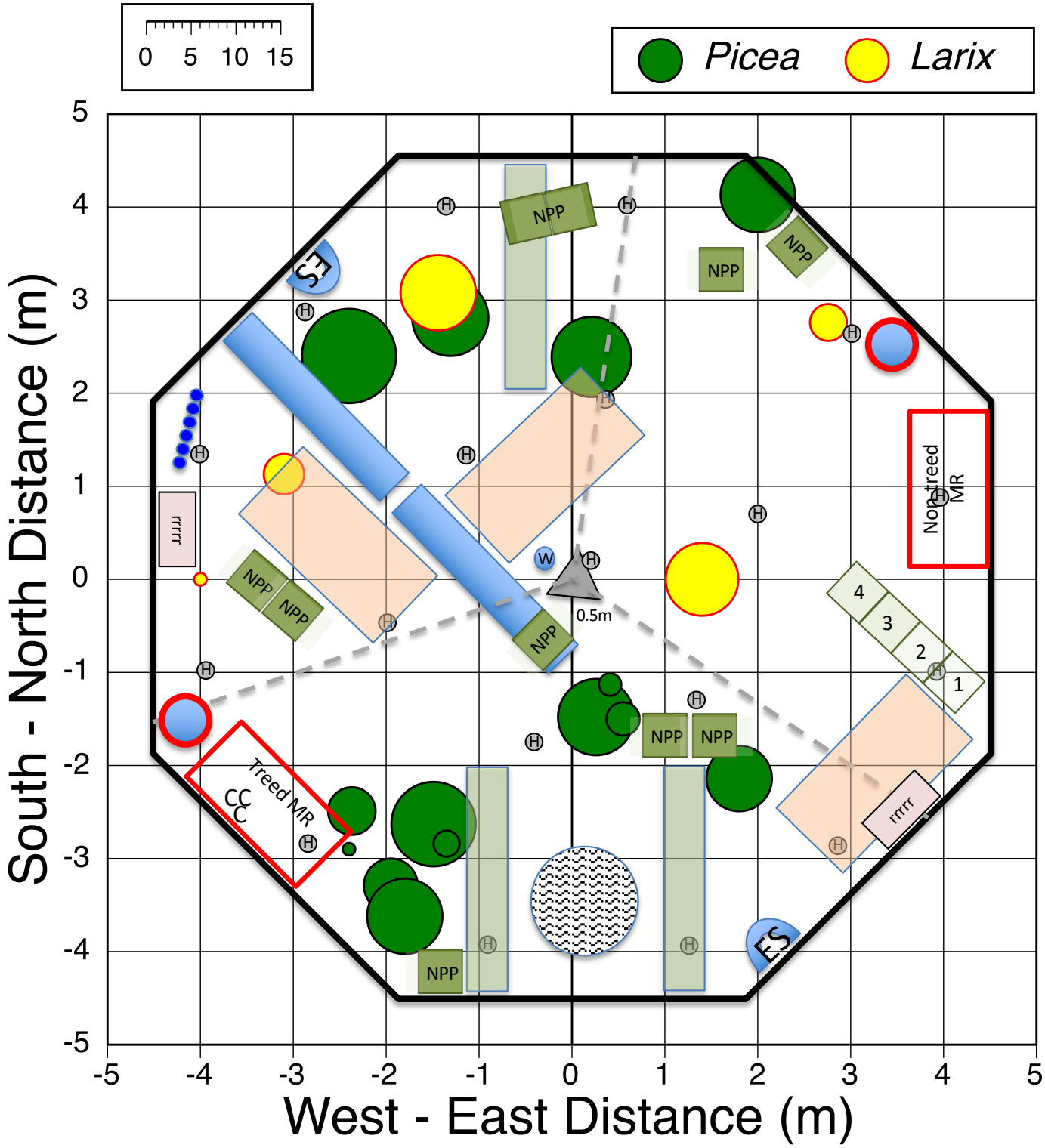
Plot #13
+4.5 °C


0 5 10 15
Picea
Larix
South - North Distance (m)
West - East Distance (m)
5
4
3
2
1
0
-1
-2
-3
-4
-5
#1
#2
#3
CC
CCC
C
IGrC
rrrrr
4
3
2
1
0.5m
S13-16
S13-17
NPP
W
H
ES
Treed MR
AMR
Non-treed MR

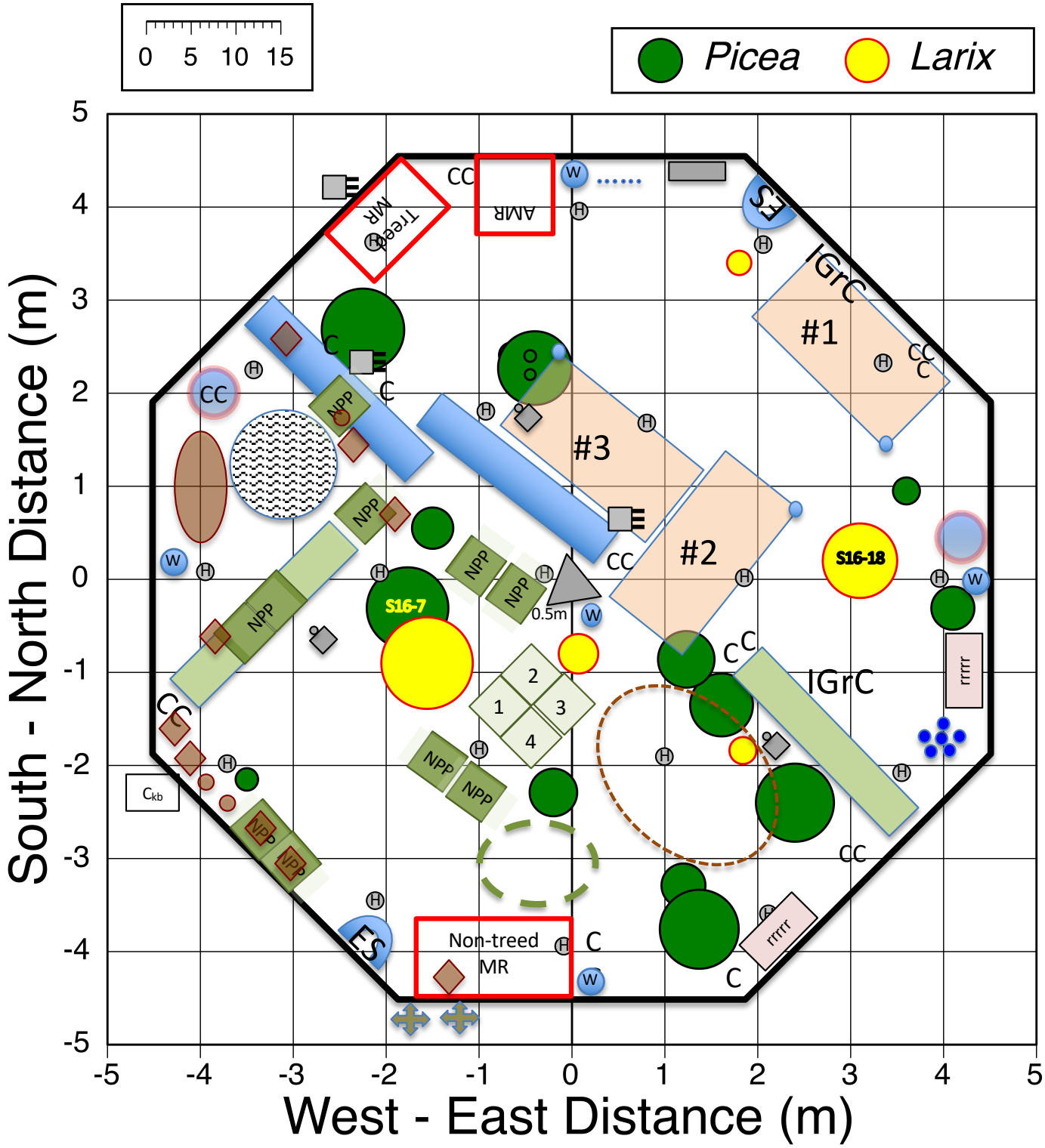
Plot #14
Ambient



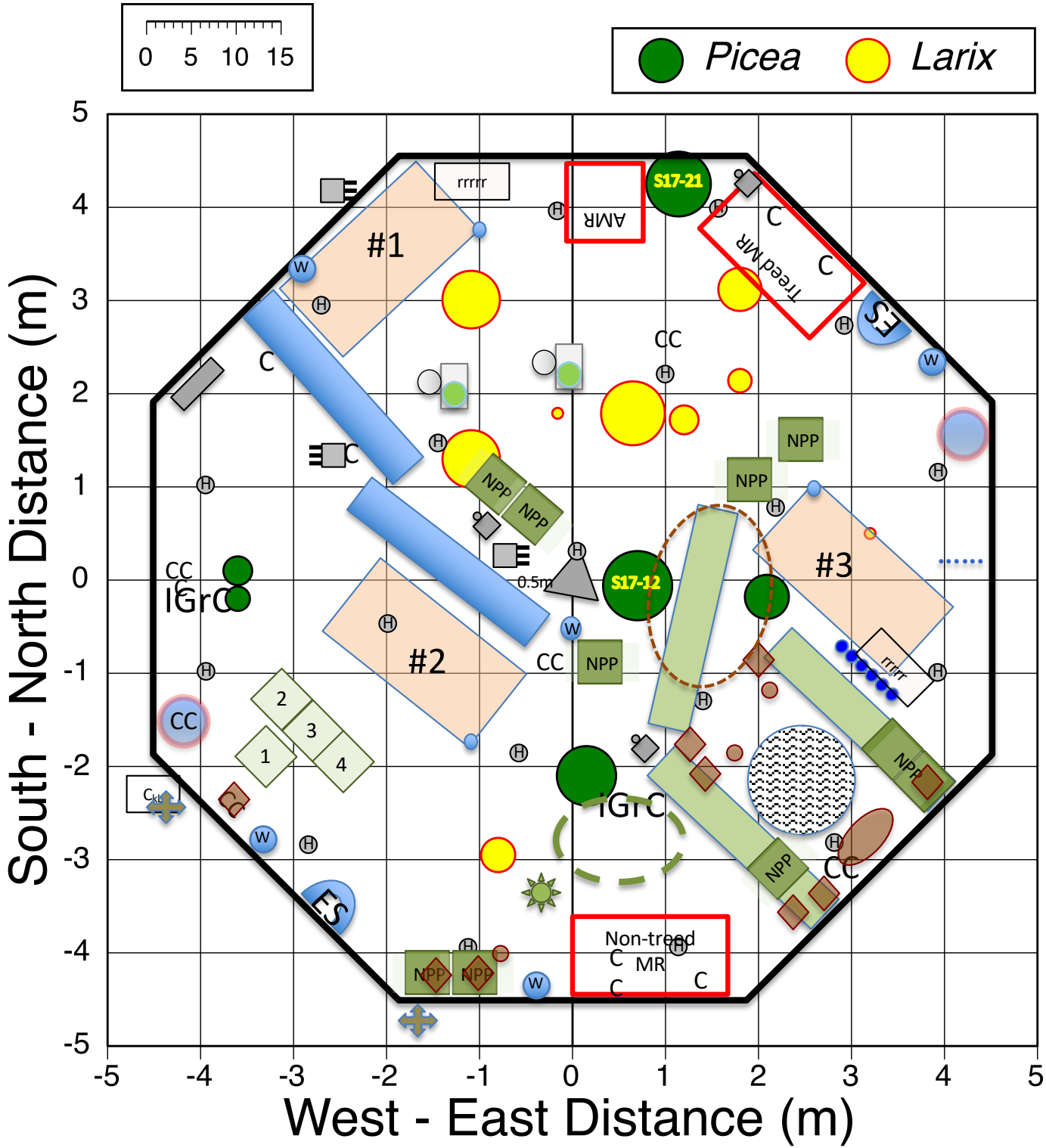
Plot #15
Ambient



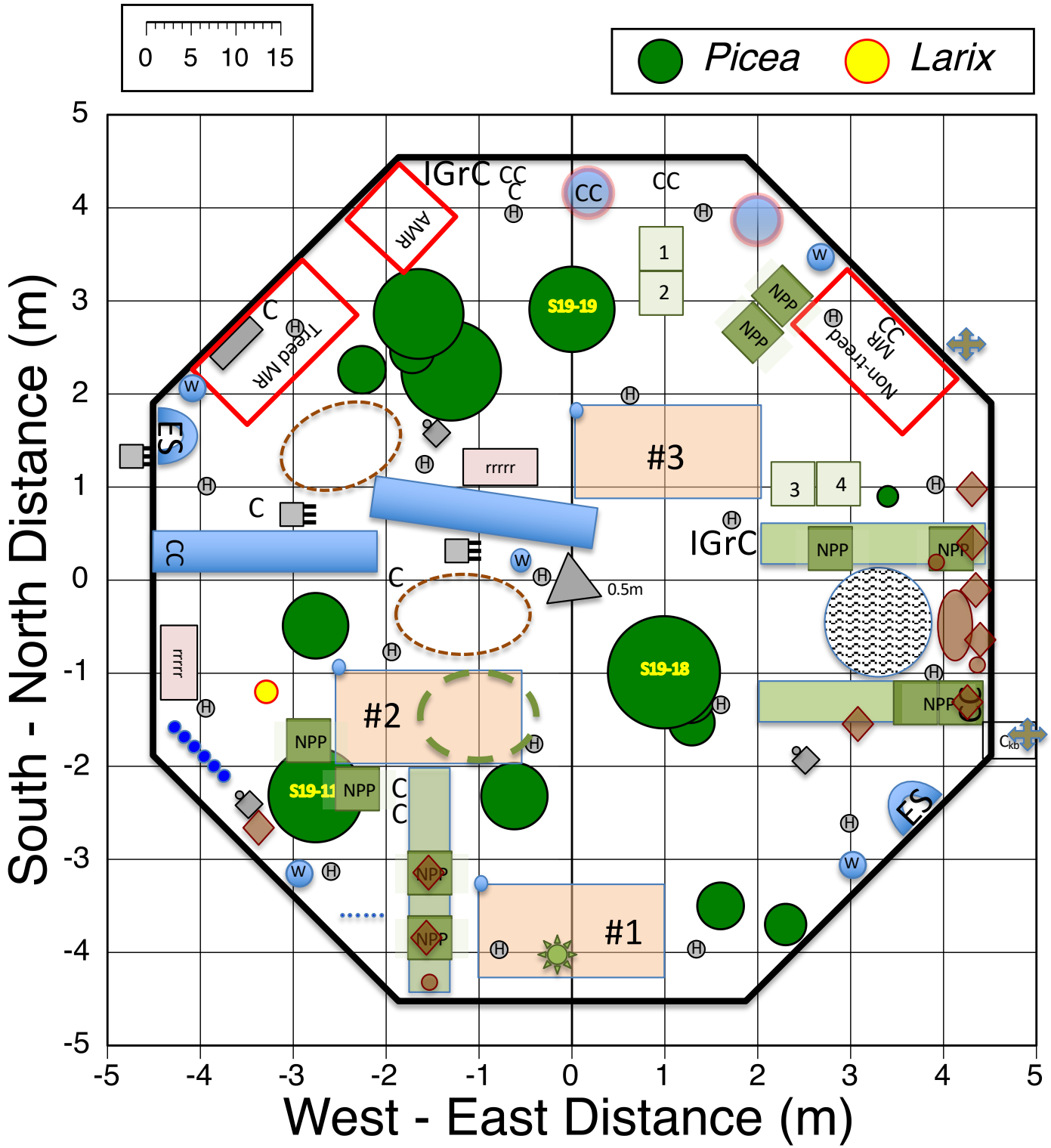
Plot #16
+6.75 °C


0 5 10 15
Picea
Larix
South - North Distance (m)
West - East Distance (m)
5
4
3
2
1
0
-1
-2
-3
-4
-5
-5
-4
-3
-2
-1
0
1
2
3
4
5
Treed MR
AMR
CC
W
H
ES
IGrC
#1
#3
#2
C
NPP
S16-7
S16-18
0.5m
2
1
3
4
rrrrr
Ckb
Non-treed MR

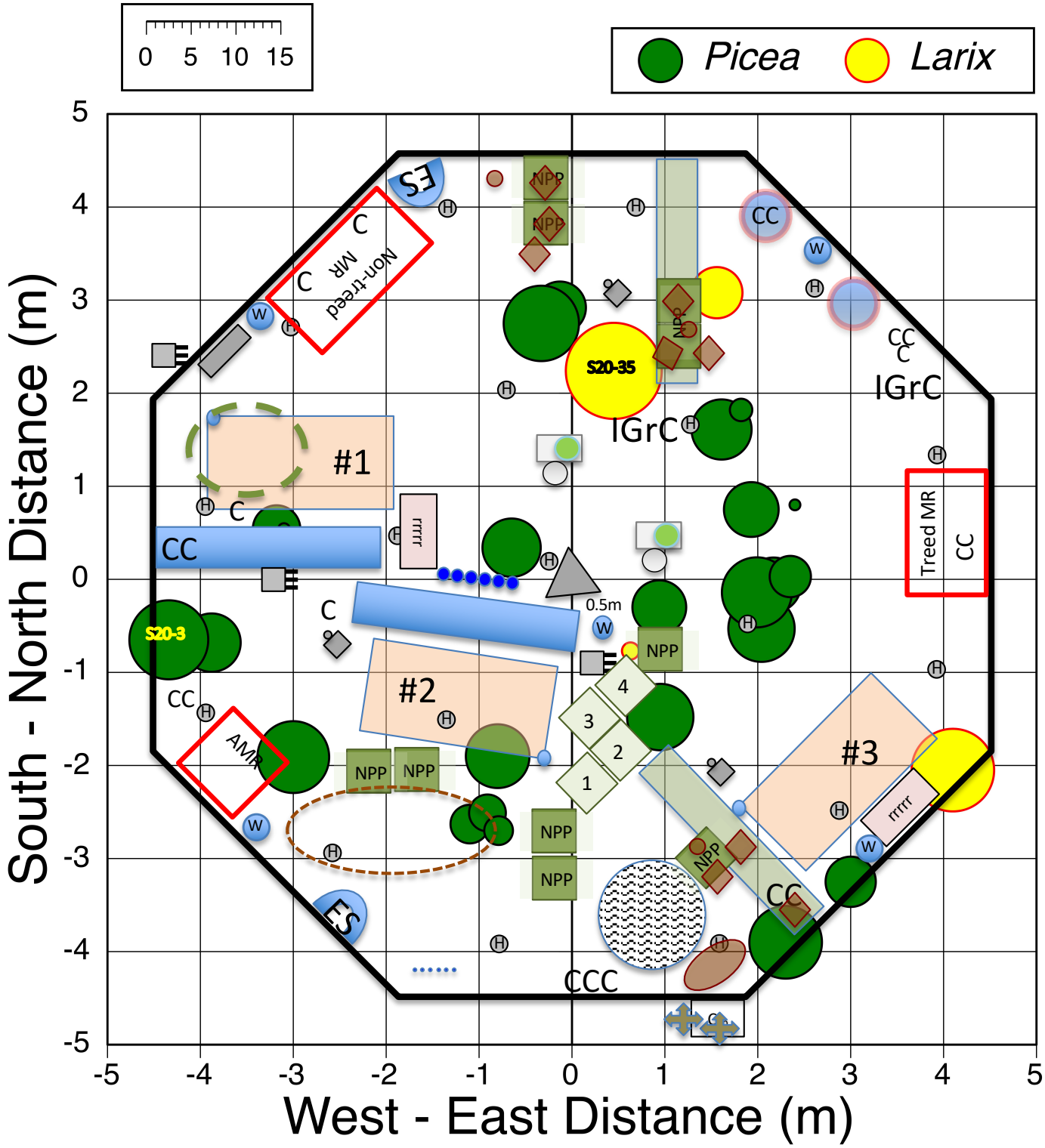
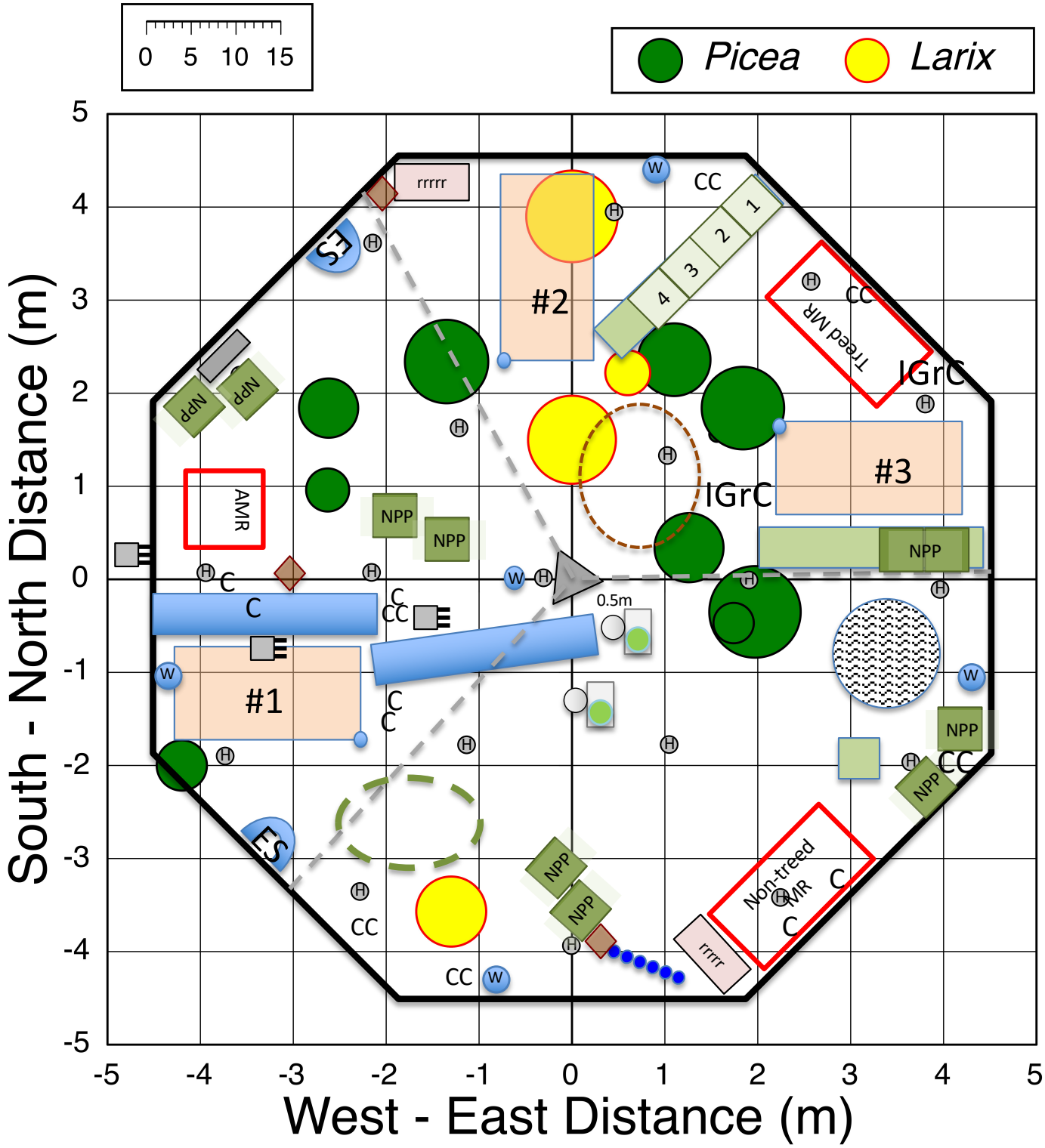
Plot #17
+9 °C


0 5 10 15
Picea
Larix
South - North Distance (m)
West - East Distance (m)
#1
#2
#3
S17-21
S17-12
AMR
Treed MR
Non-treed
MR
NPP
CC
C
ES
W
H
IGrC
0.5m
rrrrr
2
3
4
1

Plot #19
Control
+0 °C



Plot #20
+2.25 °C


0 5 10 15
Picea
Larix
South - North Distance (m)
West - East Distance (m)
5
4
3
2
1
0
-1
-2
-3
-4
-5
-5
-4
-3
-2
-1
0
1
2
3
4
5
ES
C
Non-treed
MR
C
NPP
NPP
CC
W
H
S20-35
NPP
CC
C
IGrC
IGrC
#1
C
CC
rrrr
Treed MR
CC
0.5m
W
NPP
S20-3
C
#2
4
3
2
1
CC
AMP
NPP
NPP
#3
rrrr
W
NPP
NPP
NPP
CC
ES
CCC

Plot #21
Measured
Ambient