



Hecla

Greens Creek

Atmospheric Deposition Pail Monitoring System (ADP)

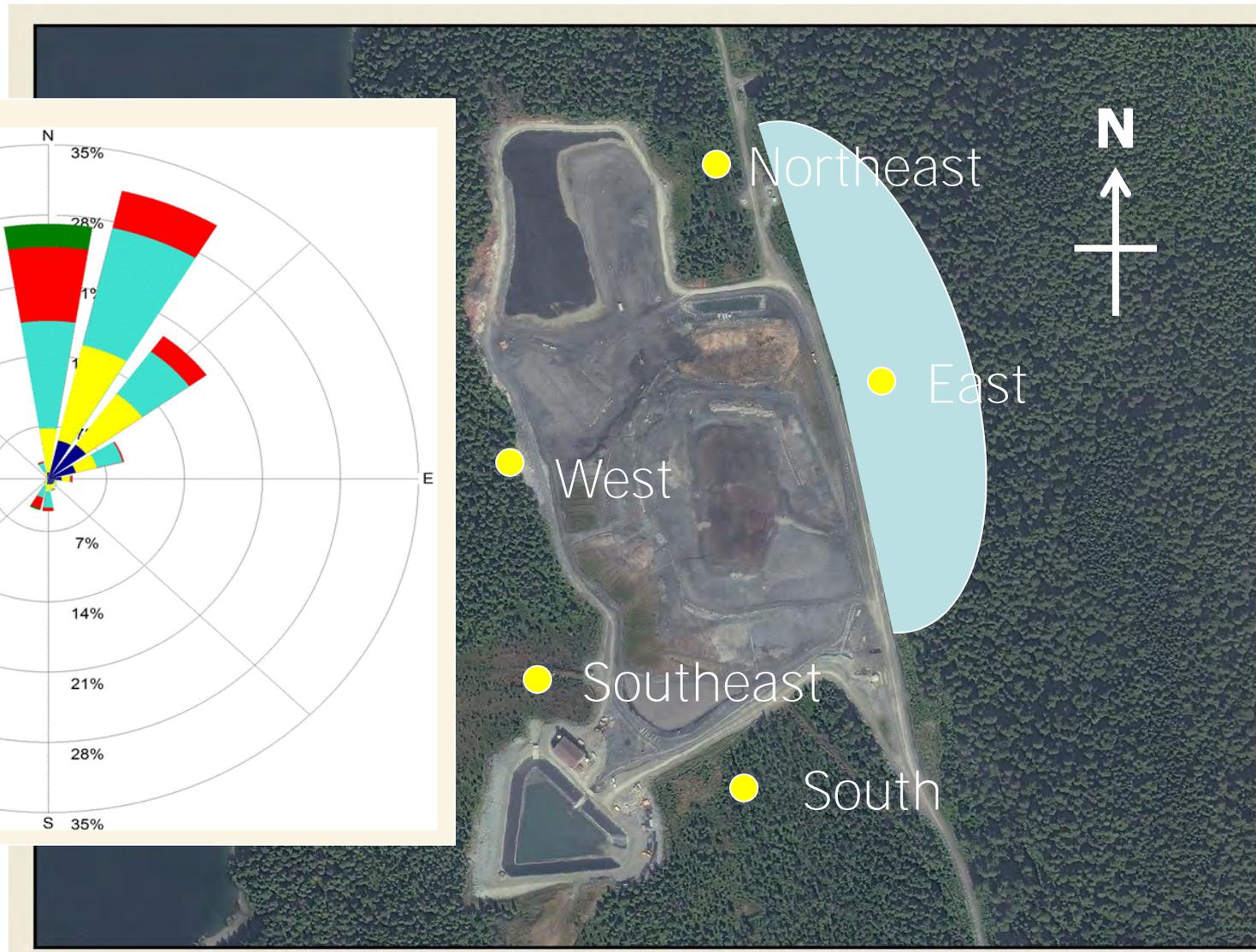
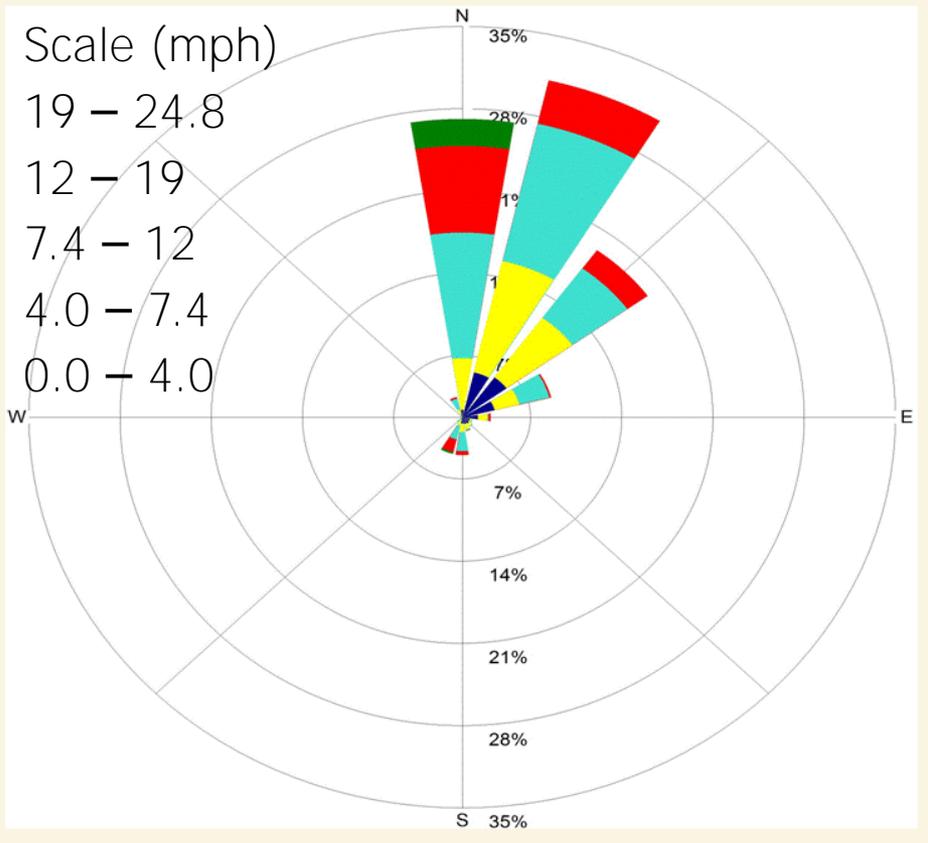
Tailings Area

Fresh Water Monitoring Program



- Sampling started in January 2011
- Until recently 5 sampling sites – the East site was dropped because of the East Ridge expansion
- Frequency of collection is biweekly
- Samples are filtered then analyzed for Total Lead and Total Zinc
- Higher temporal resolution than the current snow tube sampling methodology

Current ADP Monitoring Points



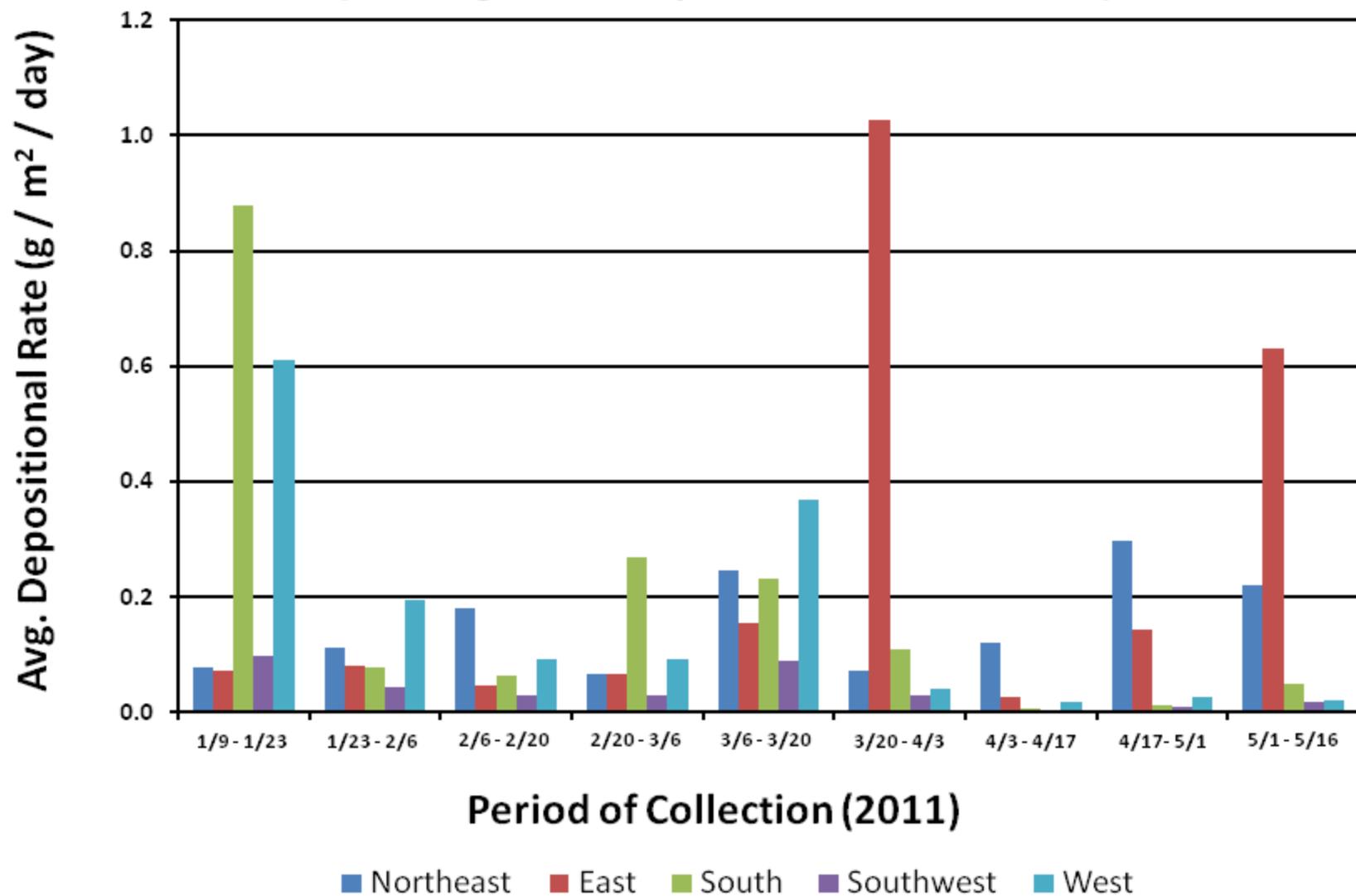
ADP West Sample Site



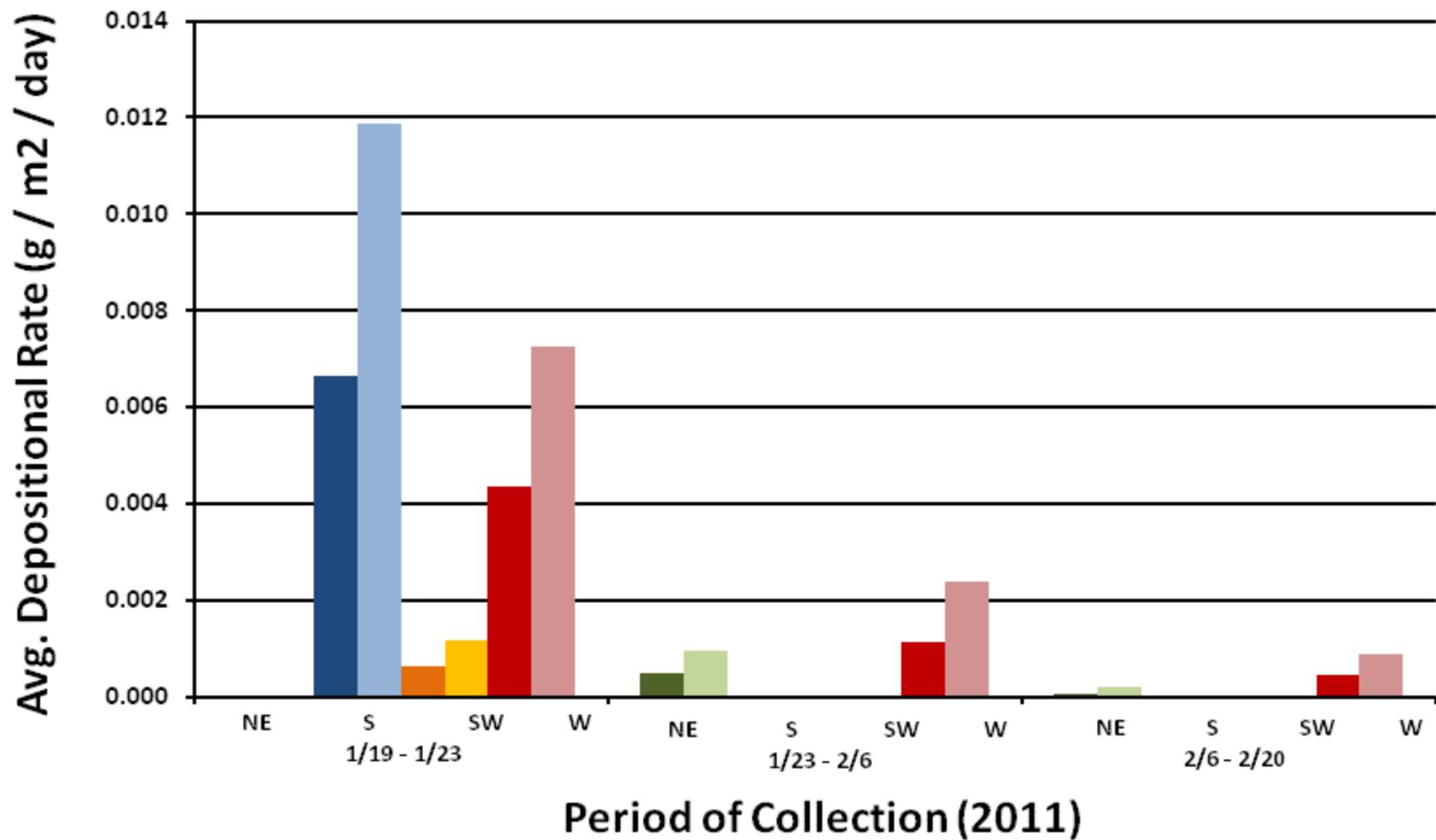
ADP Northeast Sample Site



Total Atmospheric Depositional Rate (averaged over period of collection)



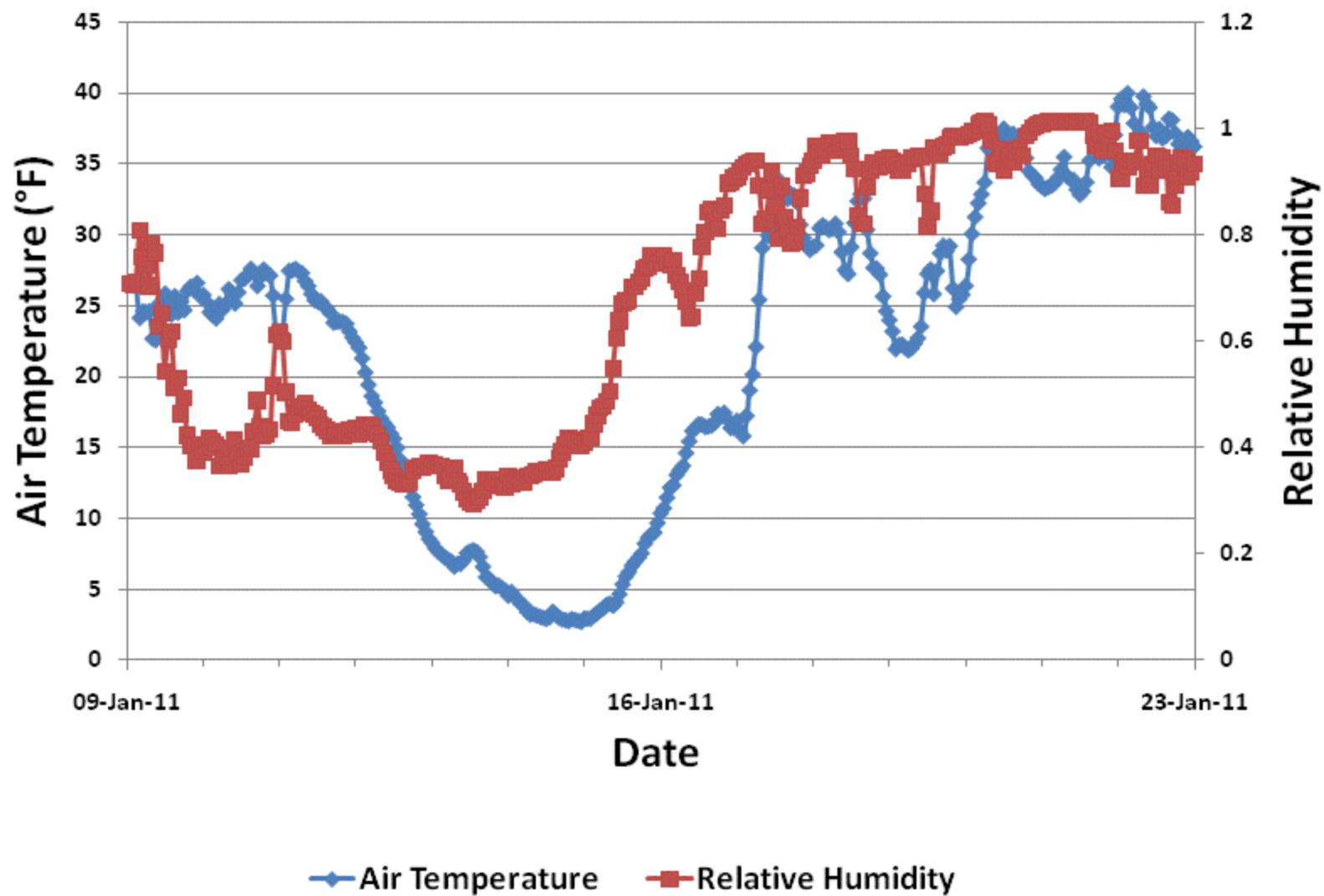
Lead and Zinc Atmospheric Depositional Rate (averaged over period of collection)



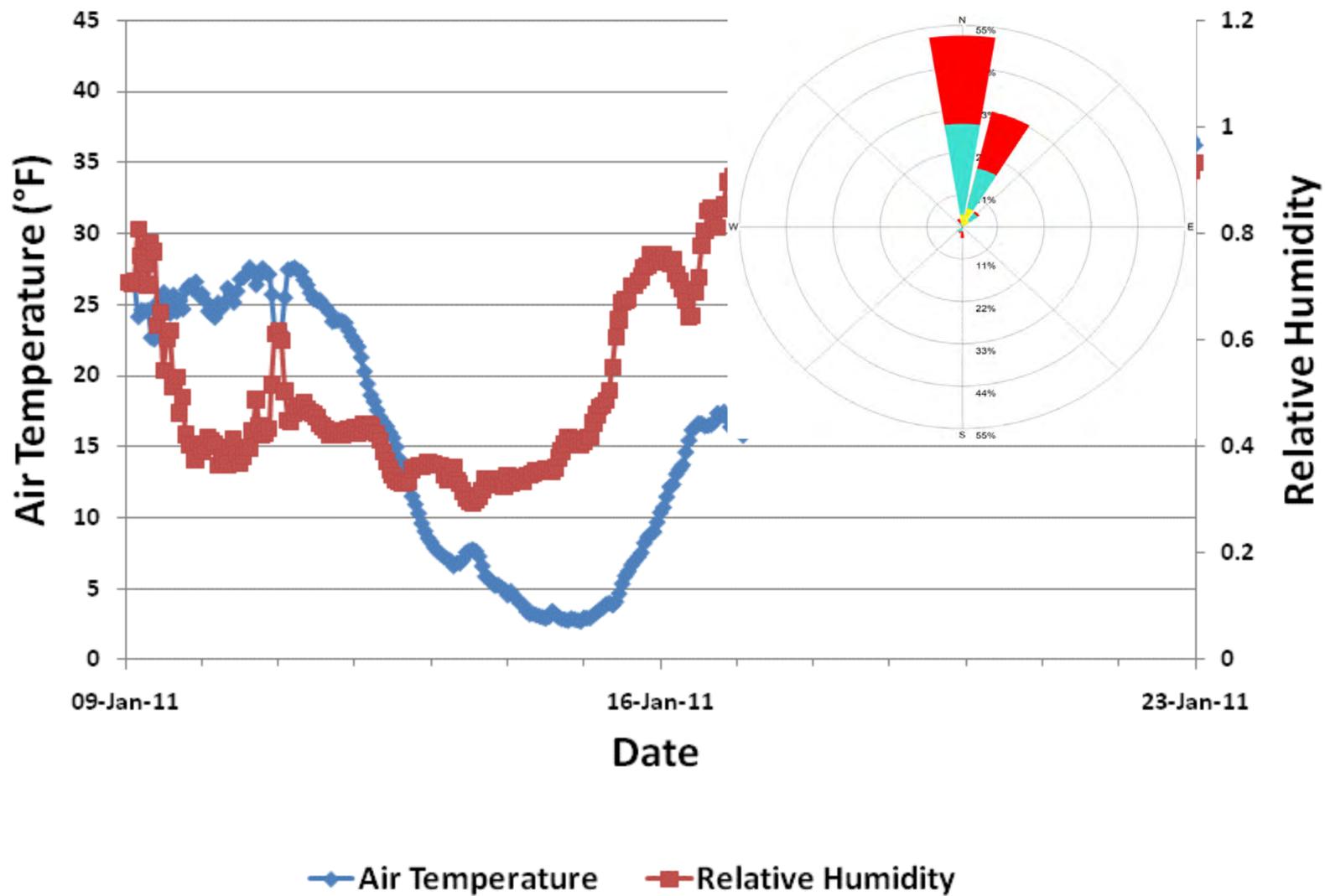
Pb - Northeast
 Zn - Northeast
 Pb - South
 Zn - South

Pb - Southwest
 Zn - Southwest
 Pb - West
 Zn - West

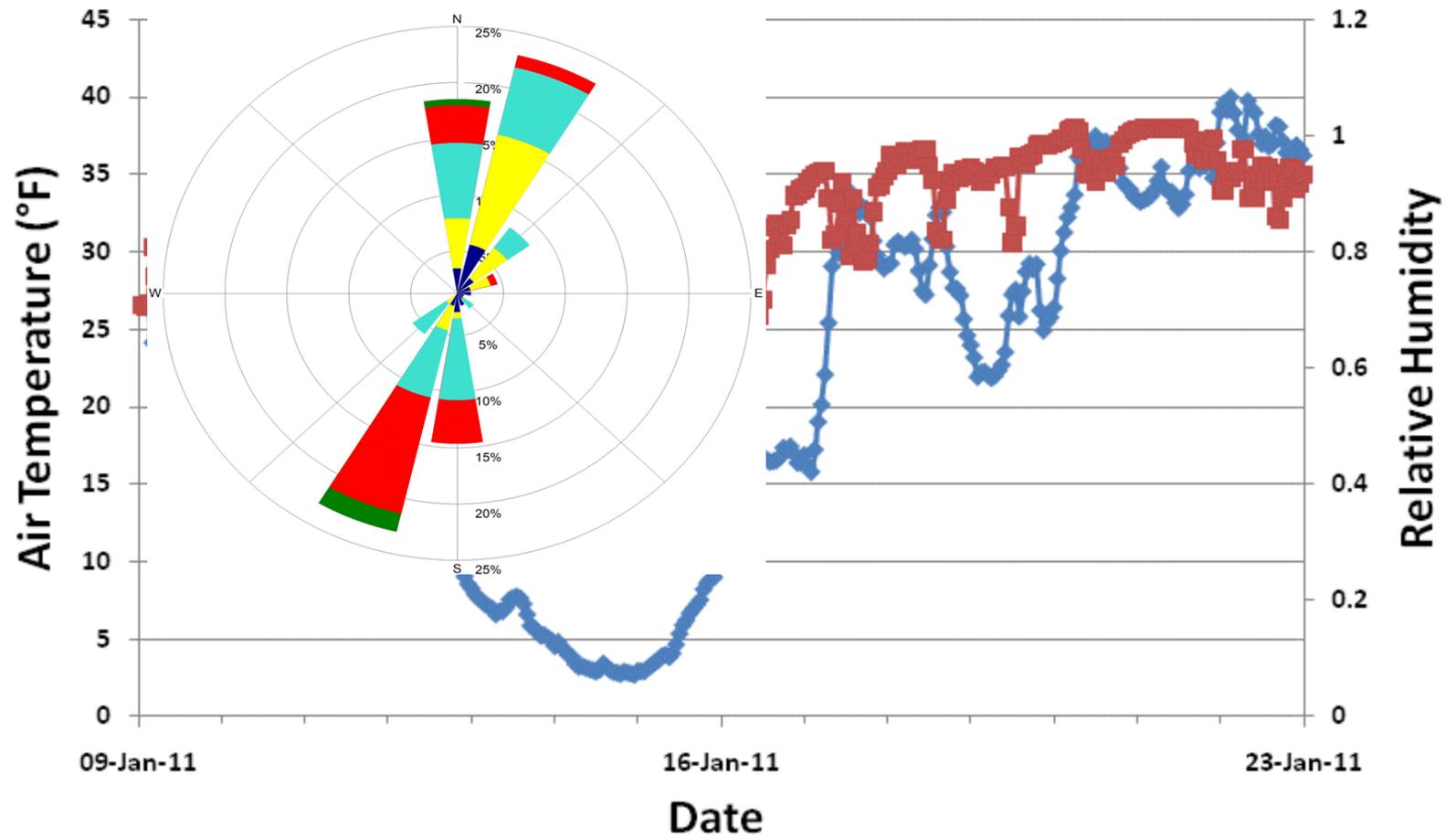
Air Temperature and Relative Humidity During First Collection Period



Air Temperature and Relative Humidity During First Collection Period



Air Temperature and Relative Humidity During First Collection Period



—◆— Air Temperature —■— Relative Humidity

STOP