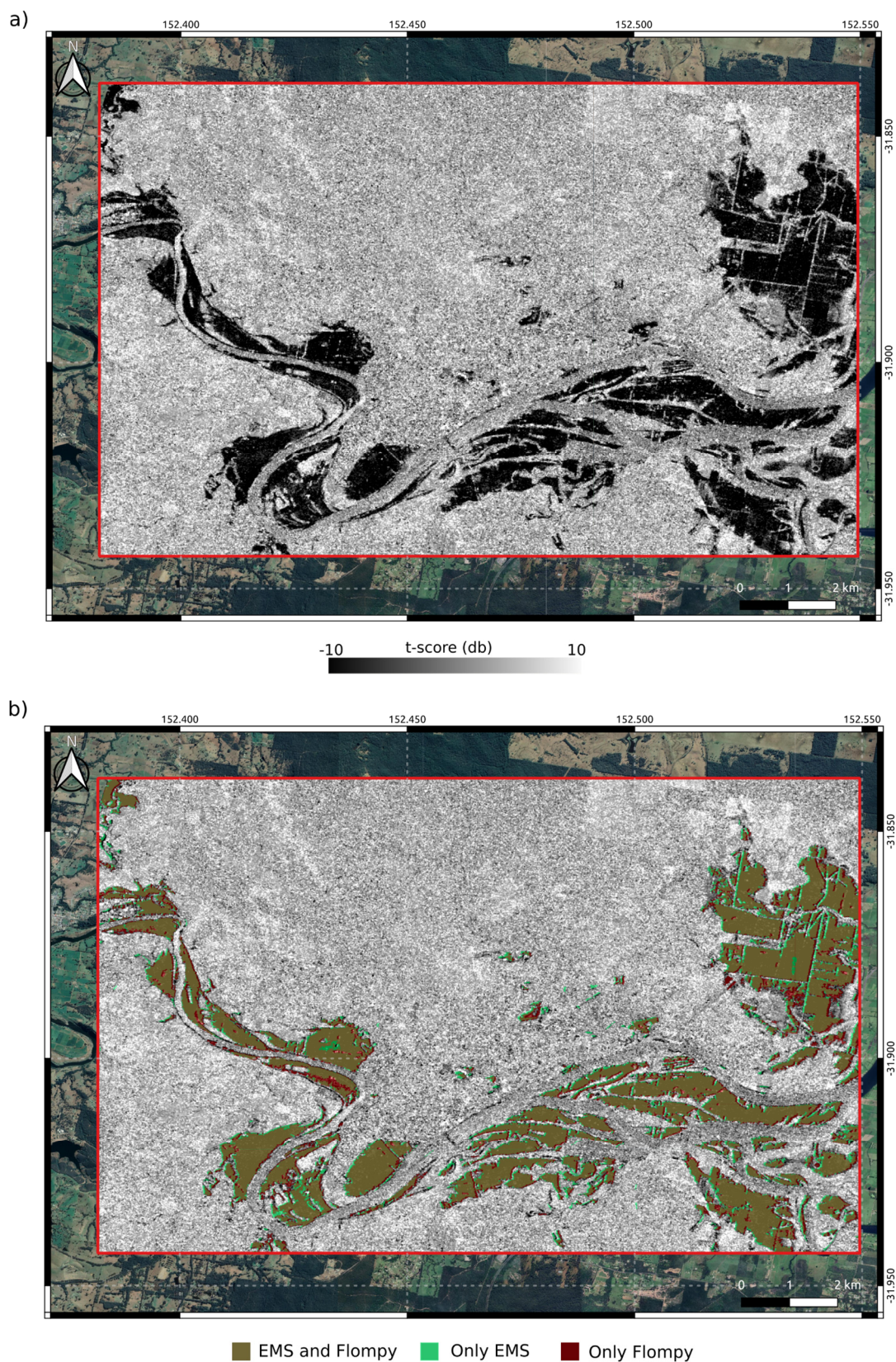
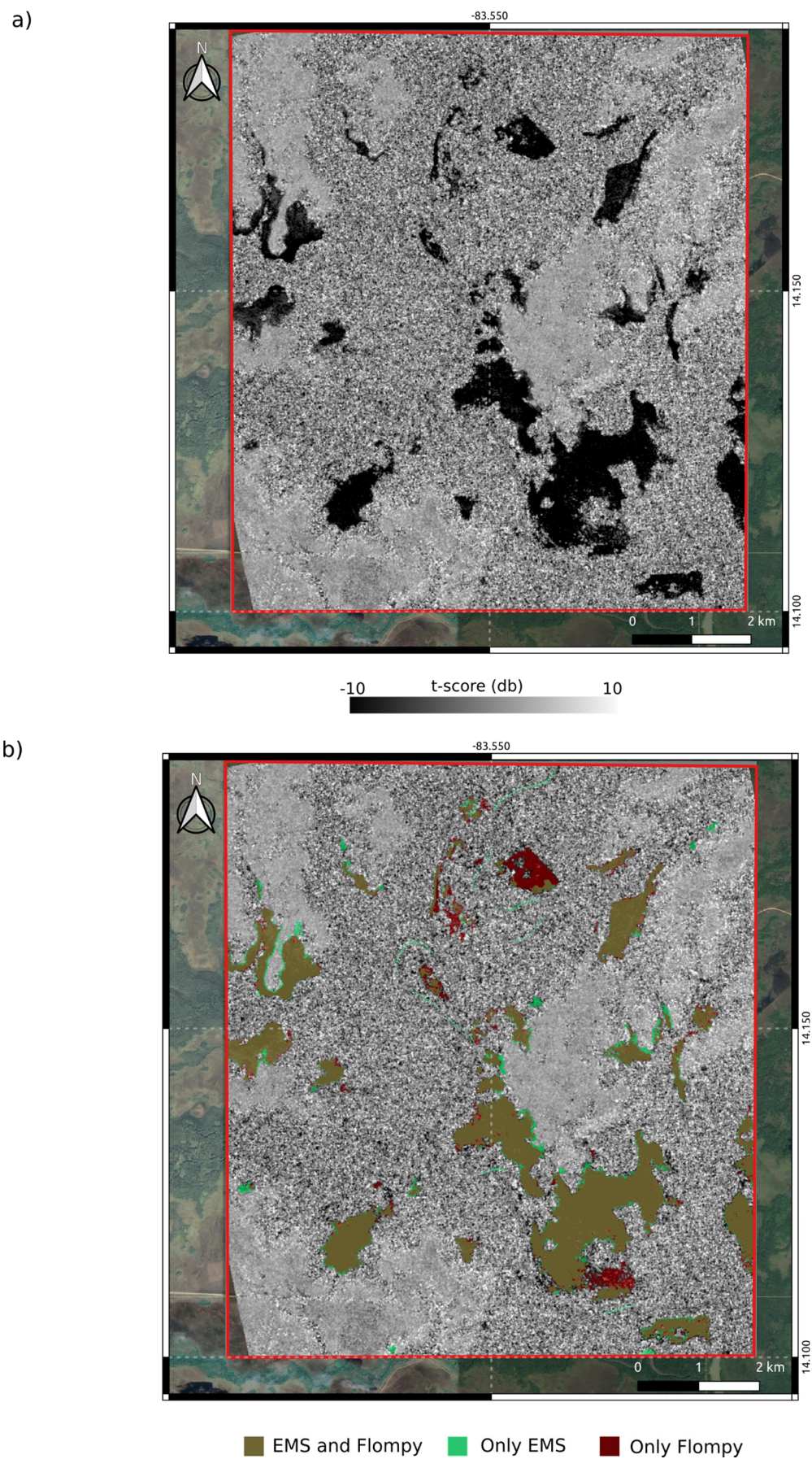


## Supplementary material



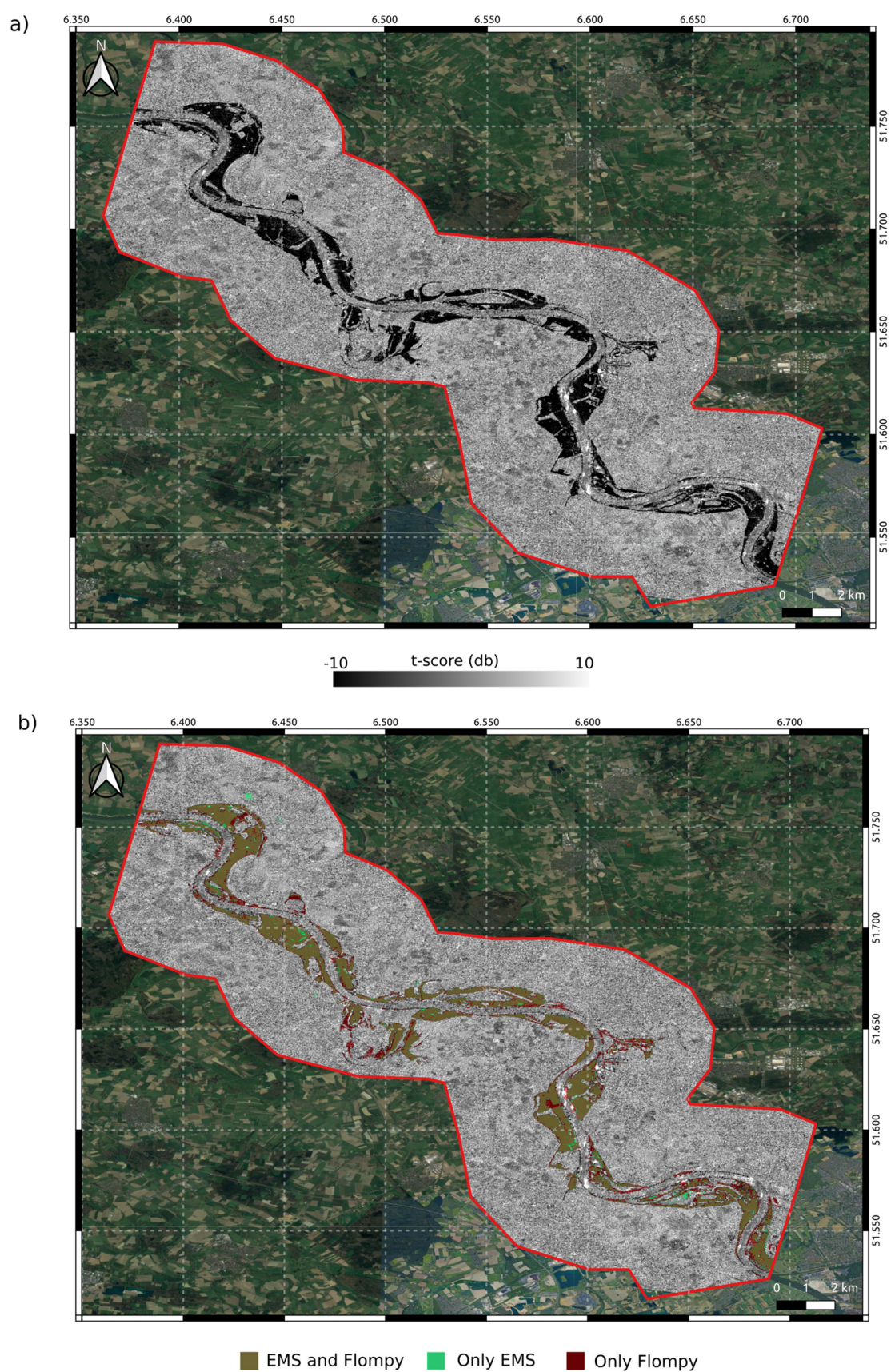
**Figure S1.** Validation figure for EMSR504. a) T-scores of the Sentinel-1 intensity dataset b) Floppy and EMS results overlaid over t-score image.





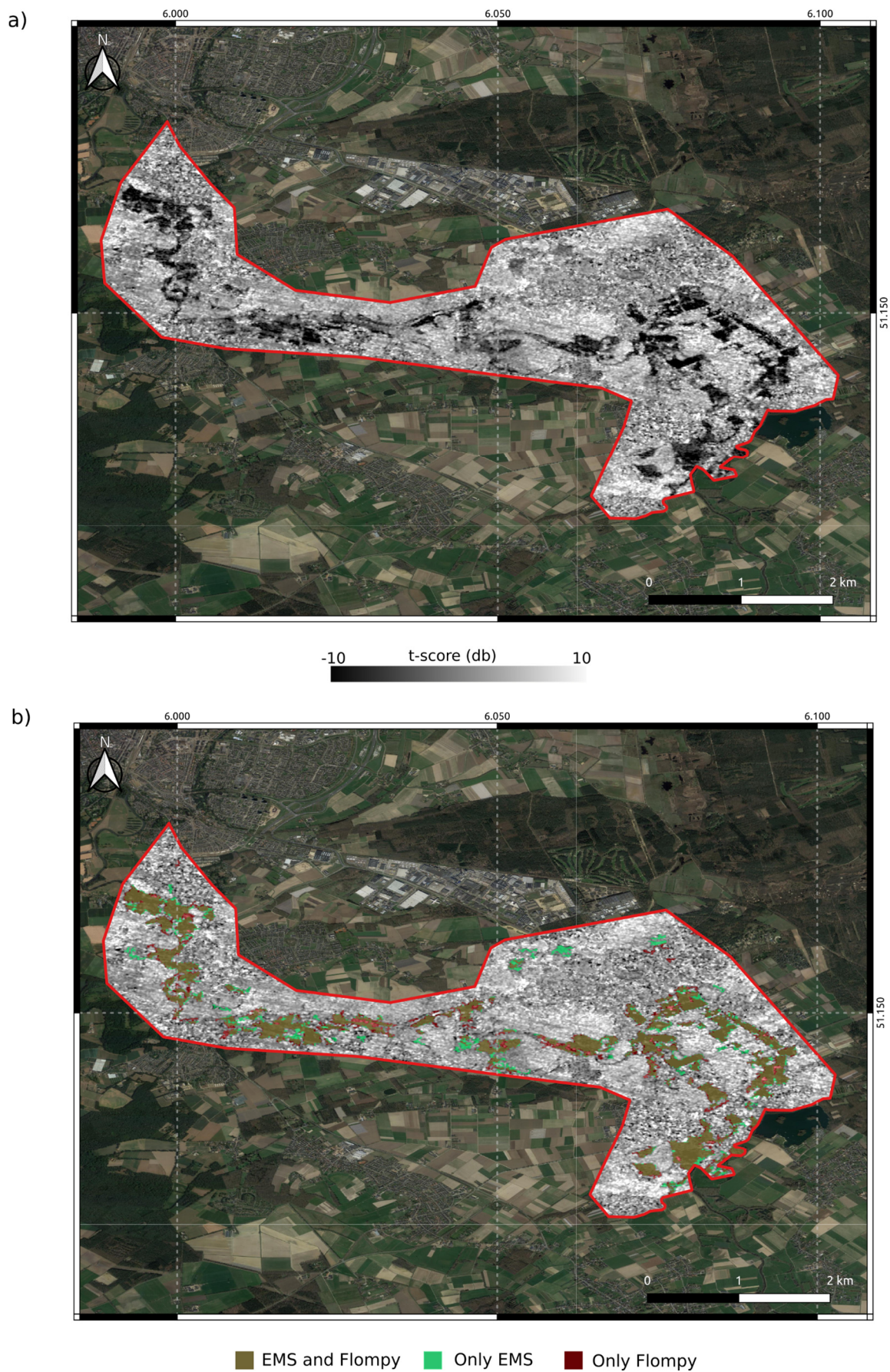
**Figure S2.** Validation figure for EMSR456. a) T-scores of the Sentinel-1 intensity dataset b) Flompy and EMS results overlaid over t-score image.





**Figure S3.** Validation figure for EMSR497. a) T-scores of the Sentinel-1 intensity dataset b) Flompy and EMS results overlaid over t-score image.





**Figure S4.** Validation figure for EMSR520. a) T-scores of the Sentinel-1 intensity dataset b) Flompy and EMS results overlaid over t-score image.