

Supplementary Materials: Satellite-Based Evaluation of the Post-Fire Recovery Process from the Worst Forest Fire Case in South Korea

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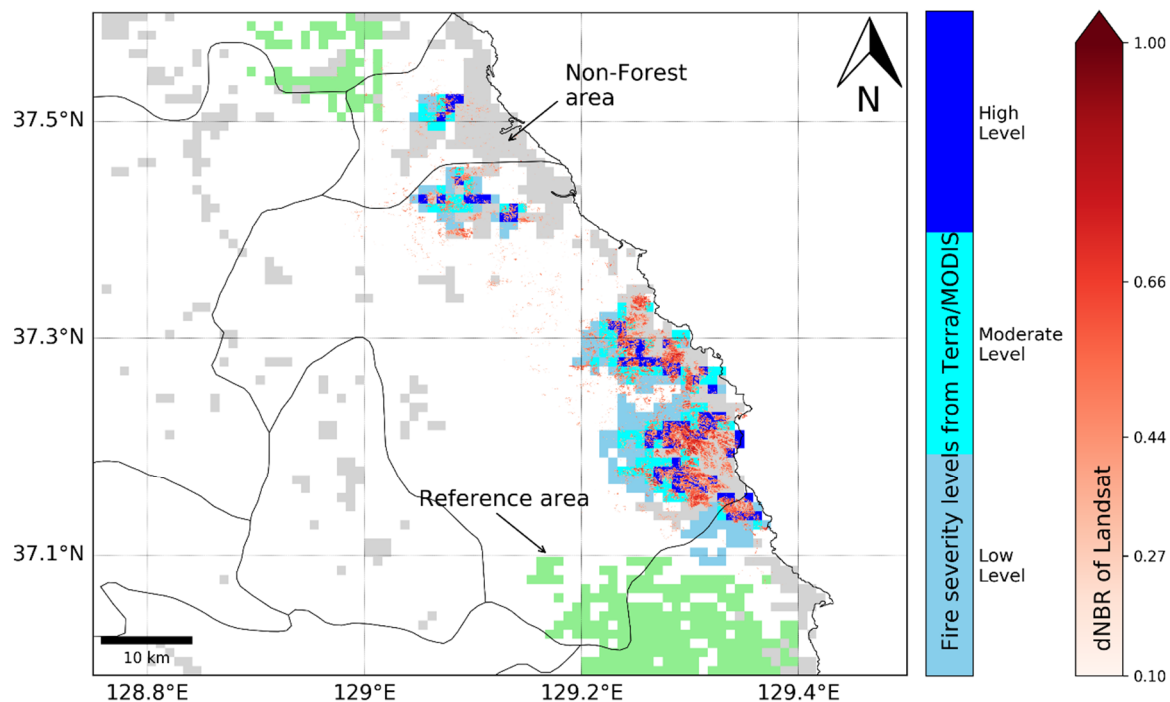


Figure S1. Forest fire areas detected using dNBR of Landsat and MODIS. Red pixels indicate dNBR of Landsat. Blue pixels indicate forest fire severity divided into three groups using MODIS-based dNBR. Green pixels indicate reference area. Non-forest areas, indicated by grey pixels, were eliminated.

We identified the burned area using Landsat NBR, which had higher spatial resolution. Landsat dNBR was calculated in non-cloud pixels using the $NBR_{2.2}$ values of May 1999 and 2000 for pre-fire and post-fire forests, respectively. Figure S1 shows the burned area confirmed through comparison between Landsat dNBR and MODIS dNBR. These two dNBRs had reasonable linear correlation. However, MODIS dNBR values for post-fire forests are lower than those of Landsat dNBR, because the reflectance change of MODIS is smaller than that of Landsat.