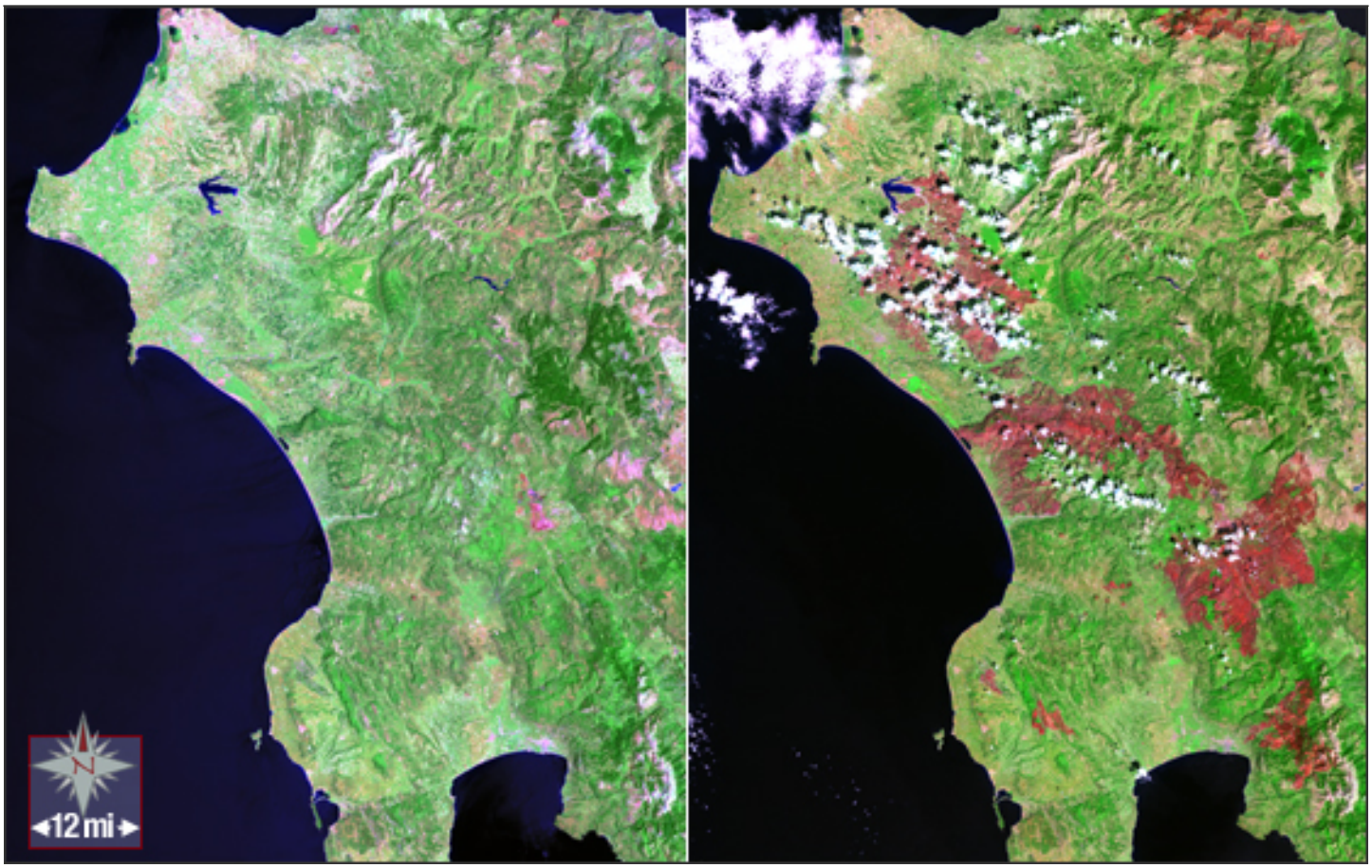
My NASA Data - Mini Lesson

Estimating Biomass Loss from a Large Fire

Mini Lesson

See the supporting Jamboard resource for virtual or face-to-face learning. If necessary, you can measure your screen.

1. Using a metric ruler, and the conversion 1 mile = 1.61 kilometers, what is the scale of the image in meters per millimeter?
2. About what is the total area, in square kilometers, of this photo of Greece and its surroundings?
3. About what was the land area, in square kilometers, that was burned?
4. What percentage of the total area was lost to the fires?
5. Suppose that a typical forest in this region contains about 5.0 kilograms of biomass per square meter. How many metric tons of biomass were lost during the fires?



Sources:

- NASA/USGS Landsat

Teachers who are interested in receiving the answer key, please contact MND from your school email address at larc-mynasadata@mail.nasa.gov.