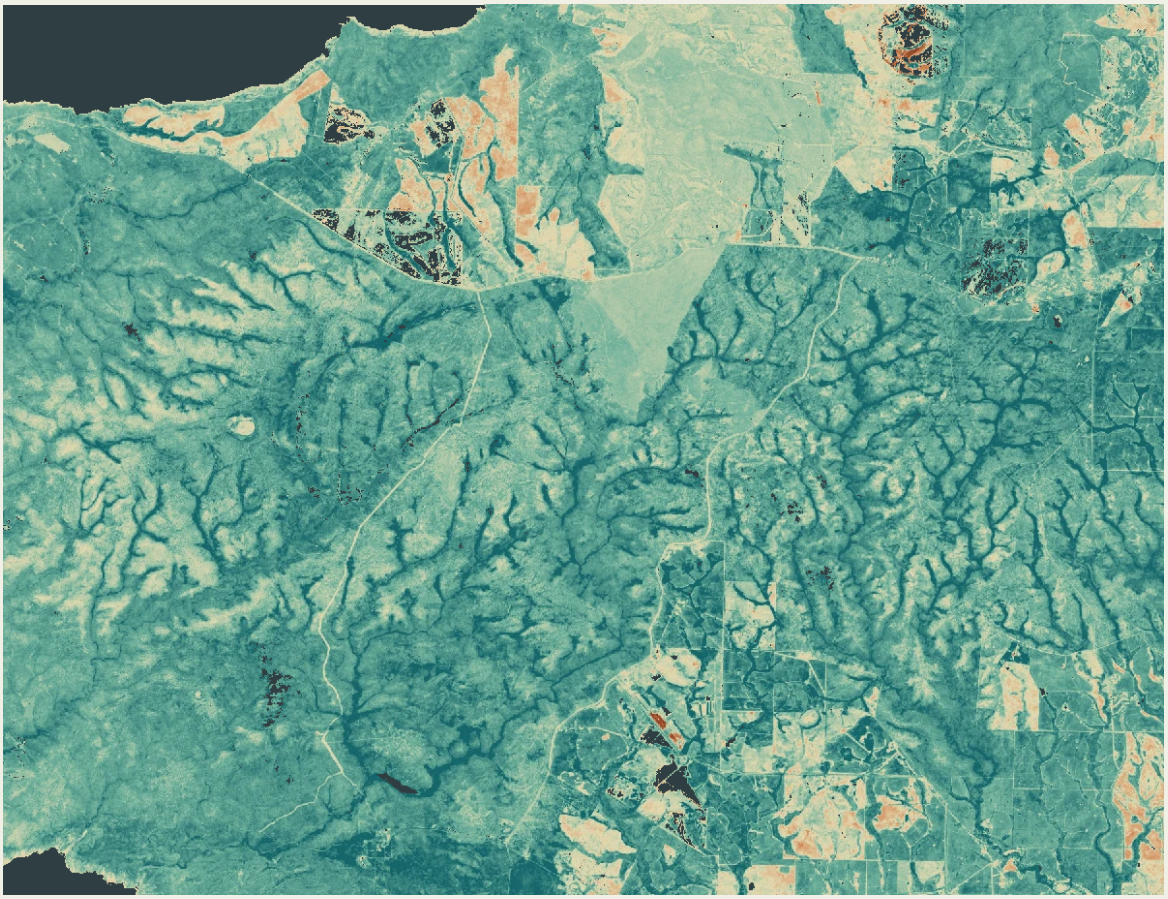
Vegetation change after bushfire

Western Kangaroo Island, South Australia



NDVI change, 9 February 2020 to 18 February 2021

Decrease Little change Increase

What the images show

Median NDVI fell from 0.743 in February 2019 to 0.145 in February 2020, then rose to 0.389 in February 2021. About 78% of comparable land pixels gained at least 0.10 NDVI between the 2020 and 2021 dates. Greenness remained below the pre-fire median.

How to interpret the map

NDVI is a red and near-infrared greenness index. These results describe three observations on a 30 m grid, excluding pixels outside Sentinel-2 vegetation and bare-ground classes on any date. The study rectangle includes land beyond the park and does not follow the fire perimeter. Weather, land use and seasonal variation can influence these values. Field evidence is needed to assess ecological recovery.

Sources and data

Modified Copernicus Sentinel data (2019, 2020, 2021), accessed through Earth Search. Fire context from National Parks and Wildlife Service South Australia. Dashboard and downloadable GeoTIFF.