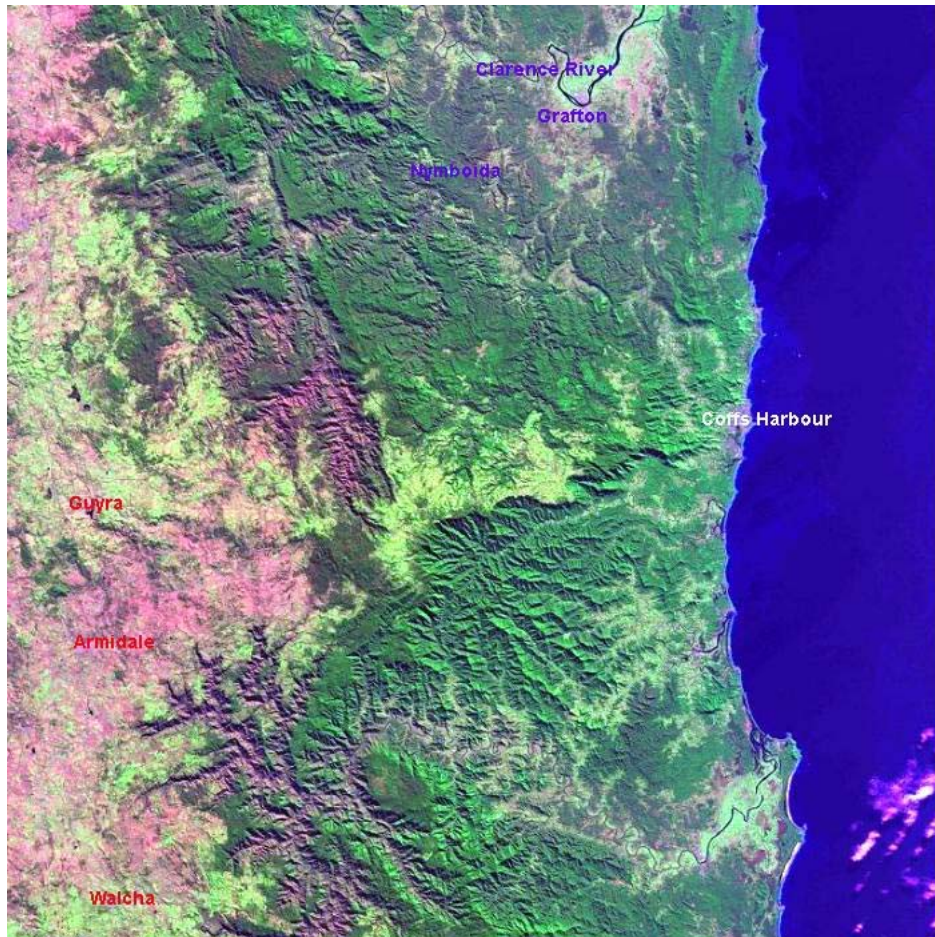


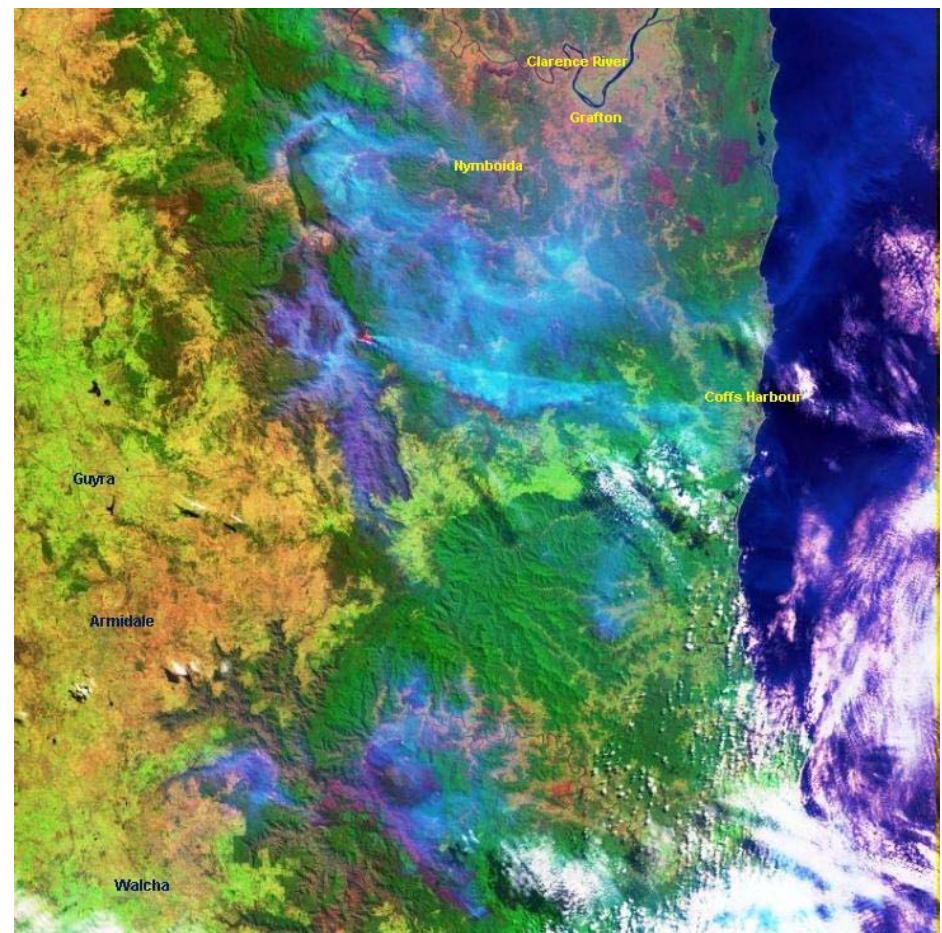
Satellite Imagery NSW bushfires - October 2000

[ACRES](#) acquired Landsat 7 satellite images showing bushfires in northern New South Wales in early October 2000. Fire fighters brought more than 80 bushfires under control, after more than 150,000ha of bushland were burnt. The image on the left was acquired on 2 June 2000. The second image shows the extent of the fires in the region from South West Rocks in the south to Grafton and the Clarence River in the North.

2 June 2000



October 2000



The band combination of these images is ETM+ bands 1, 4 and 7 displayed in blue, green and red colours. Band 1 highlights the smoke plume seen in light blue colour. The ETM+ sensor on board the Landsat 7 satellite can detect ambient heat radiation in thermal infrared channel (band 6). However, if the temperatures are hot enough, as in the case of a forest fire, hot objects can be detected using ETM+ bands 5 and 7. These "hot spots" show up as red areas on band 7 image. "[Hot spots](#)" could be seen near Armidale. The bright green areas indicate healthy grasses and agricultural cultivation. The dark blue colour on the right of the image is ocean. Cloud is visible in the bottom right corner.