

Northern Satellite based Curing and fuels & Learning Lessons from recent major NT wildfires.

Funded by Northern Territory Natural
Disaster Resilience Program 2014/15.
NT Police, Fire and Emergency Services.



Northern
Territory
Government

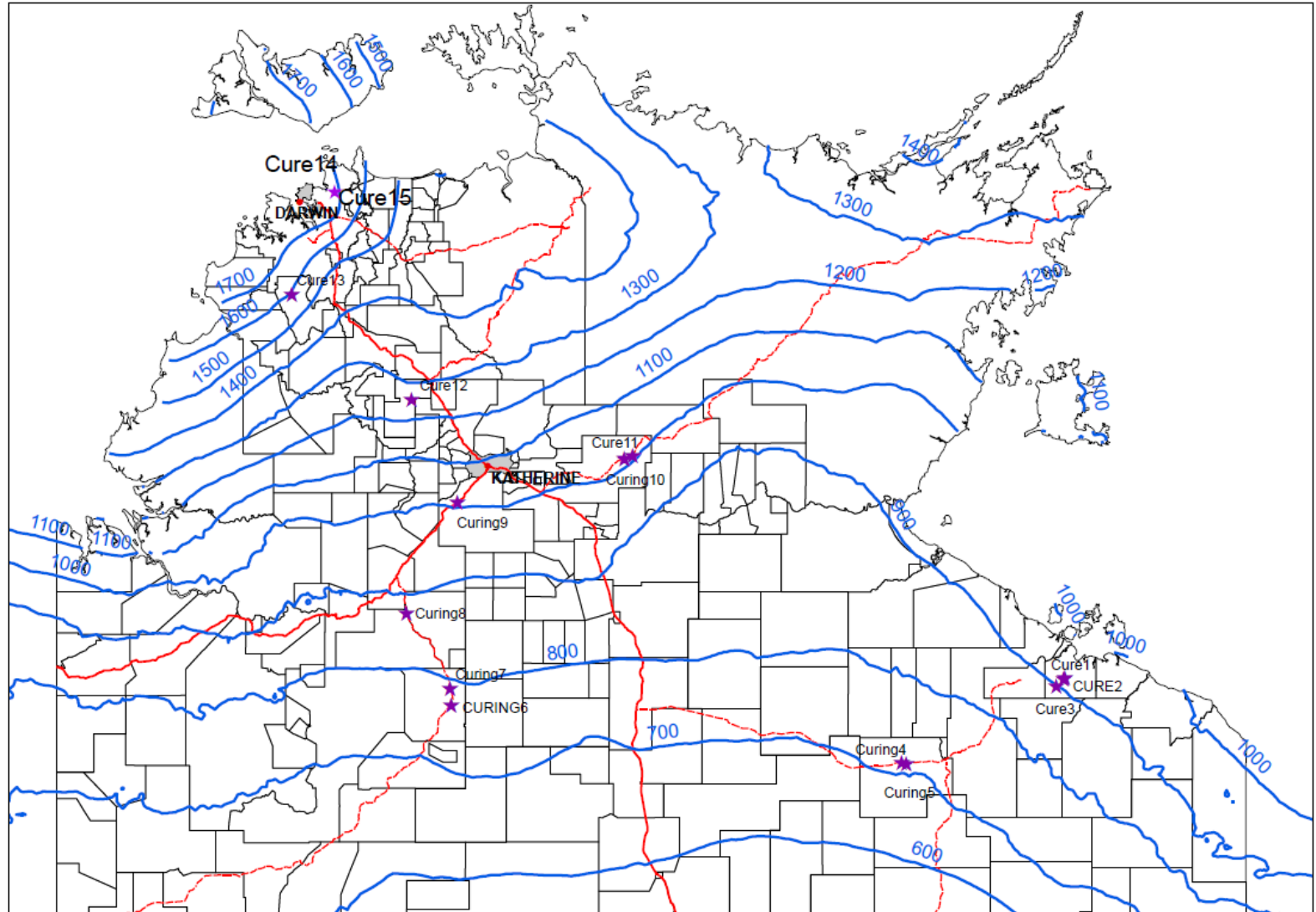


An Australian Government Initiative



Darwin Centre for Bushfire Research
Research Institute for Environment and Livelihoods
Charles Darwin University

Field Sites



Range from 700mm
To 1800mm rainfall

Types of Plots



Tussock Grass



Annual Grass



Grassland



Mix Understorey

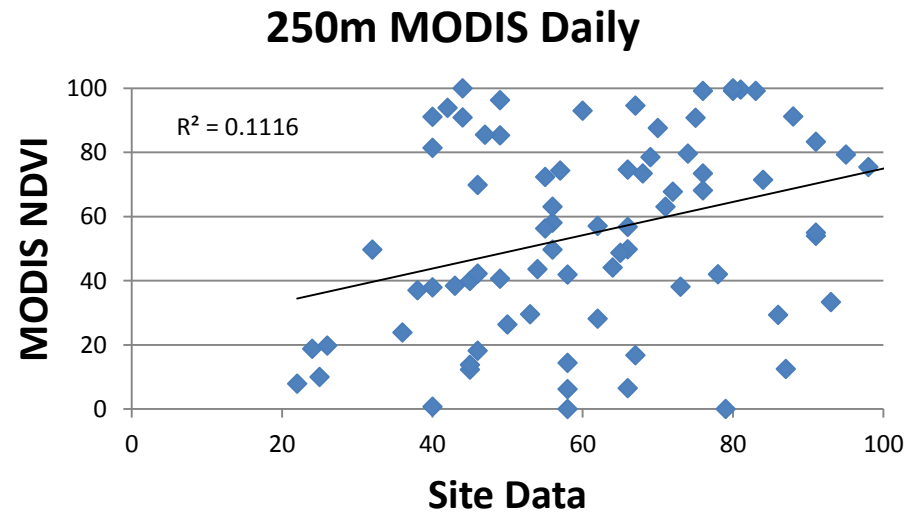
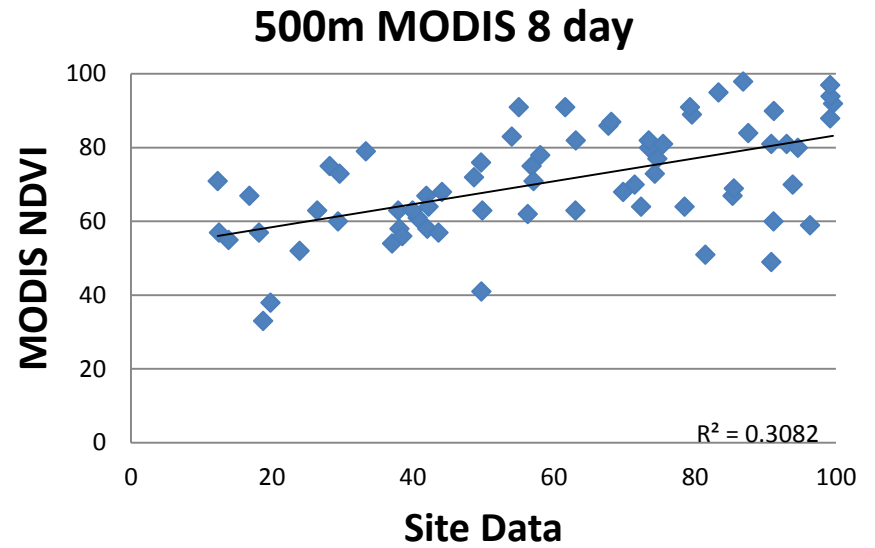
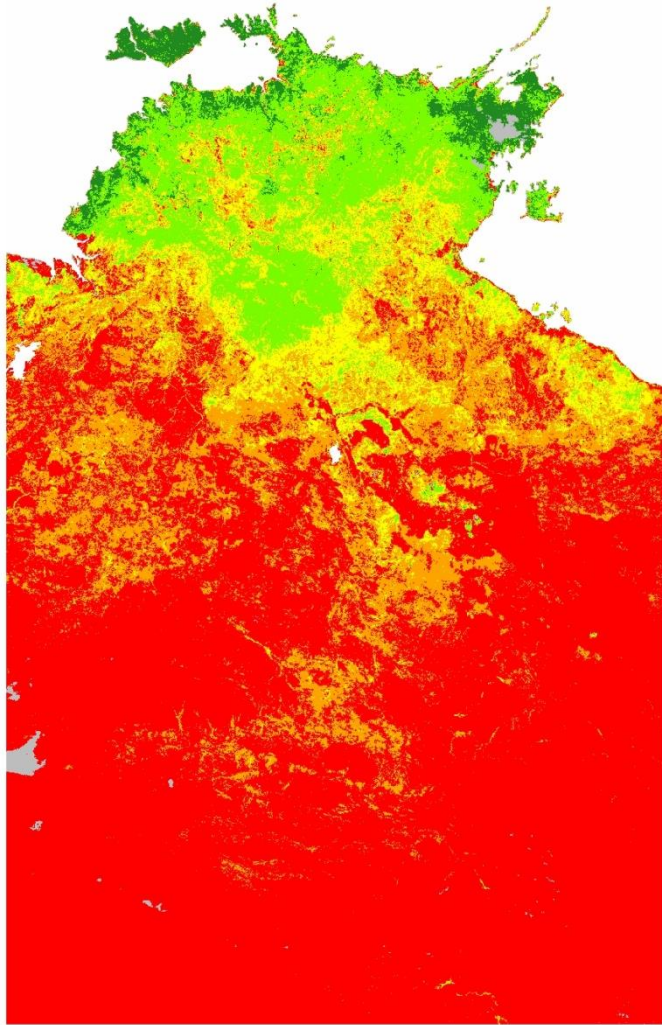


Shrub Understorey



Hummock Grass

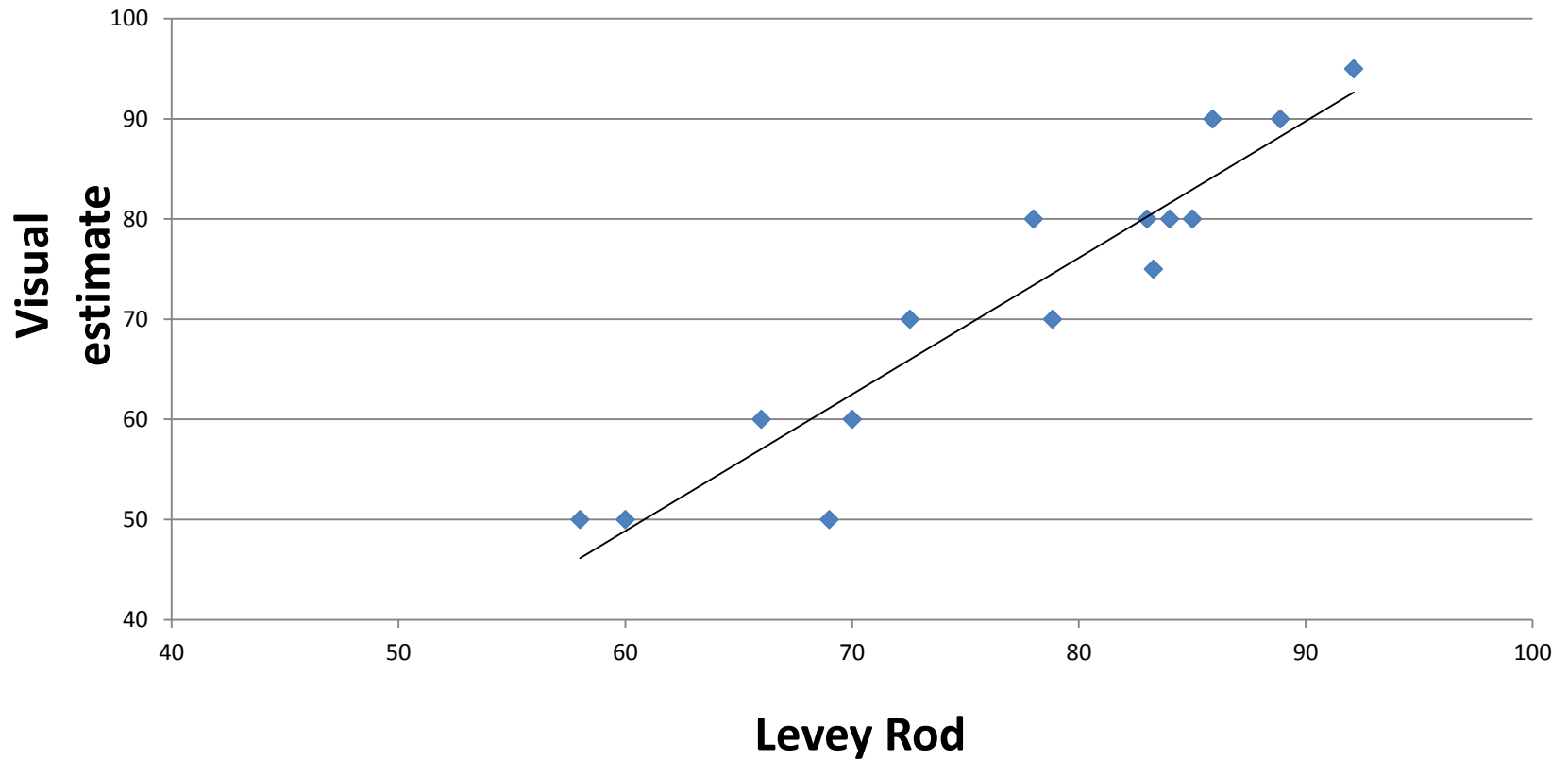
Site Data v's MODIS products



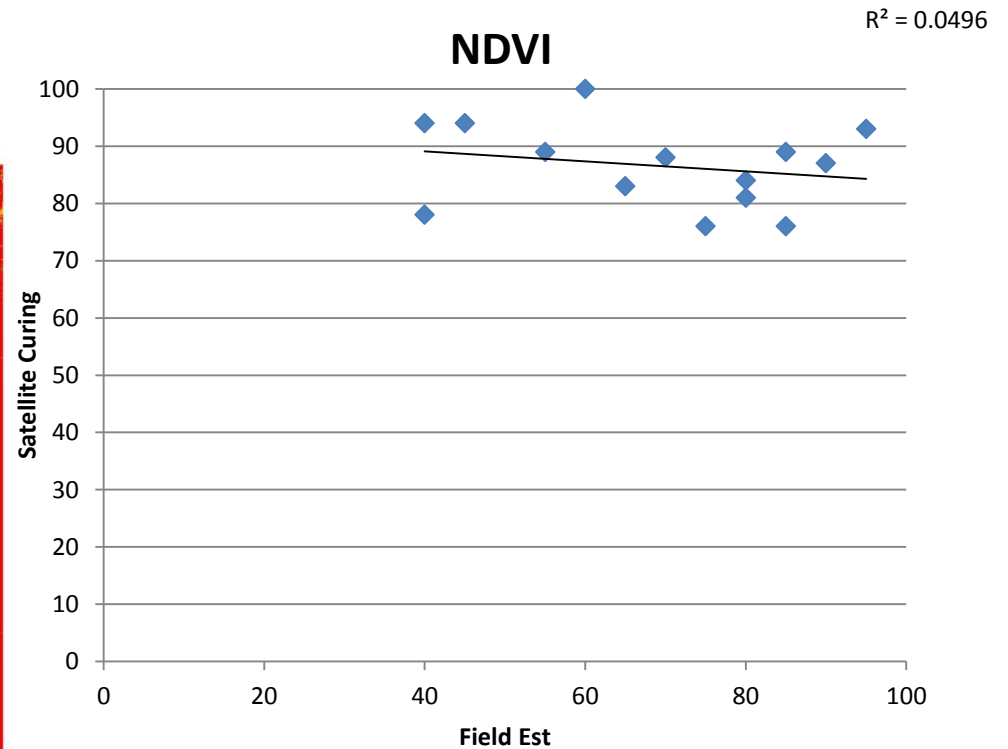
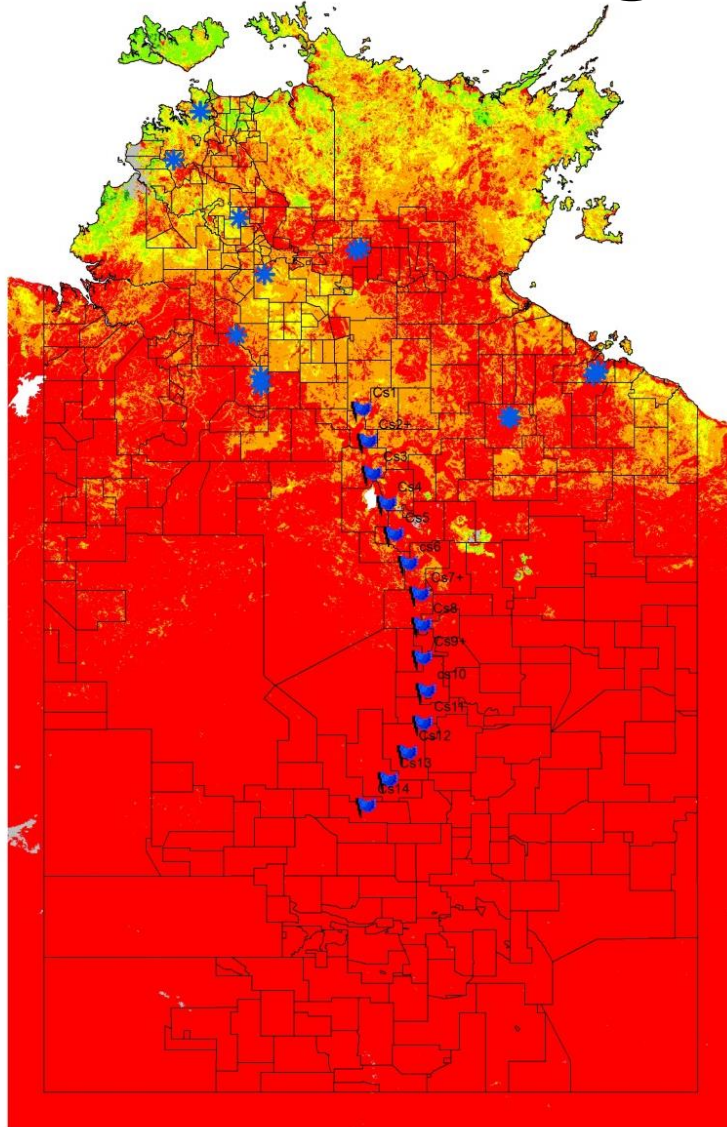
Estimate v's measured

Curing

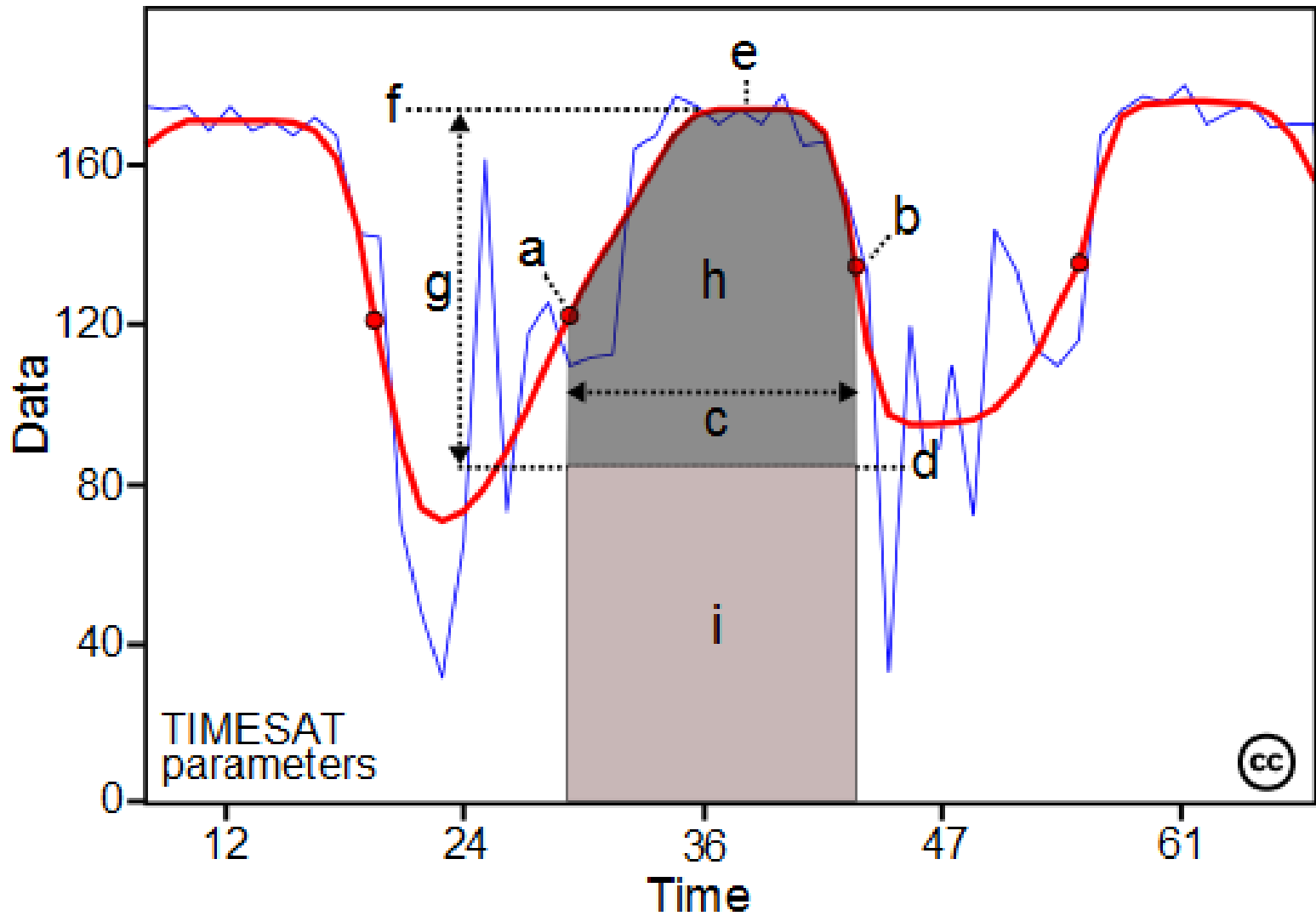
$R^2 = 0.8994$



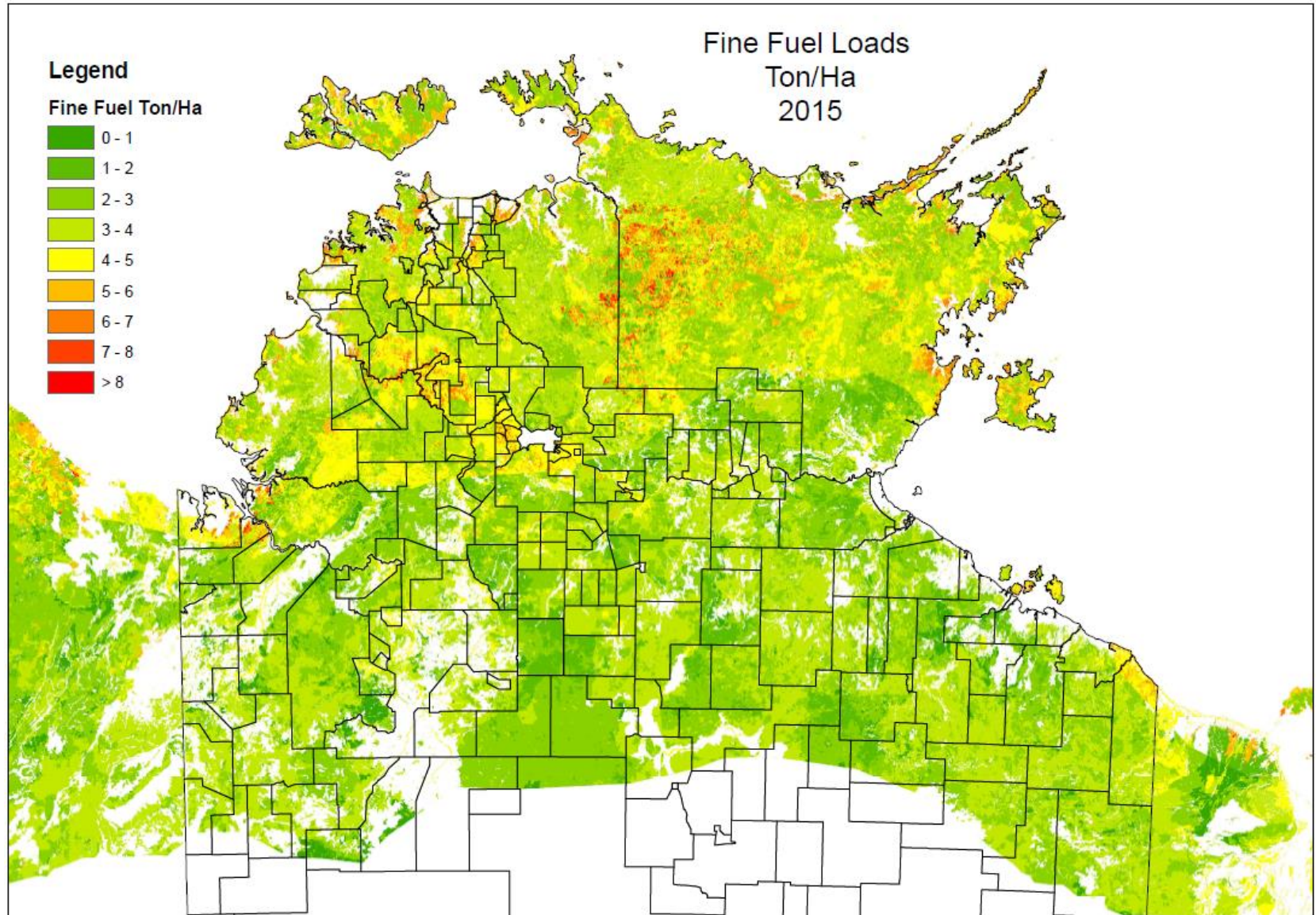
NDVI Curing AusCover product



Time series



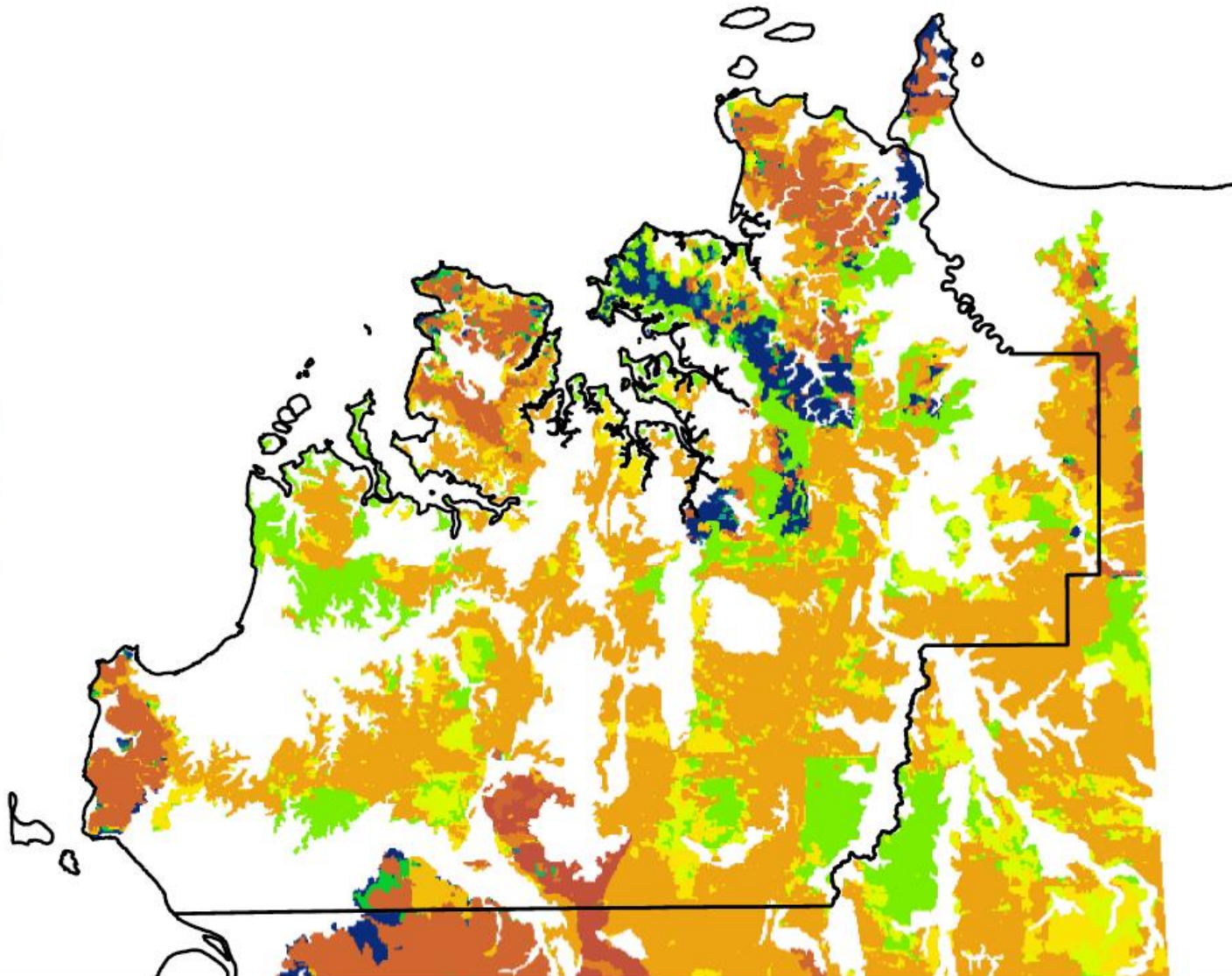
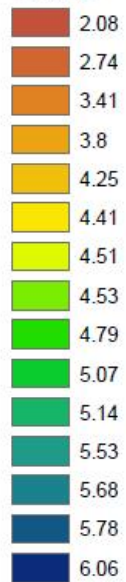
Fine Fuel Load 2015 - >600mm rainfall



Vernon Fine Fuel Loads 2015

Legend

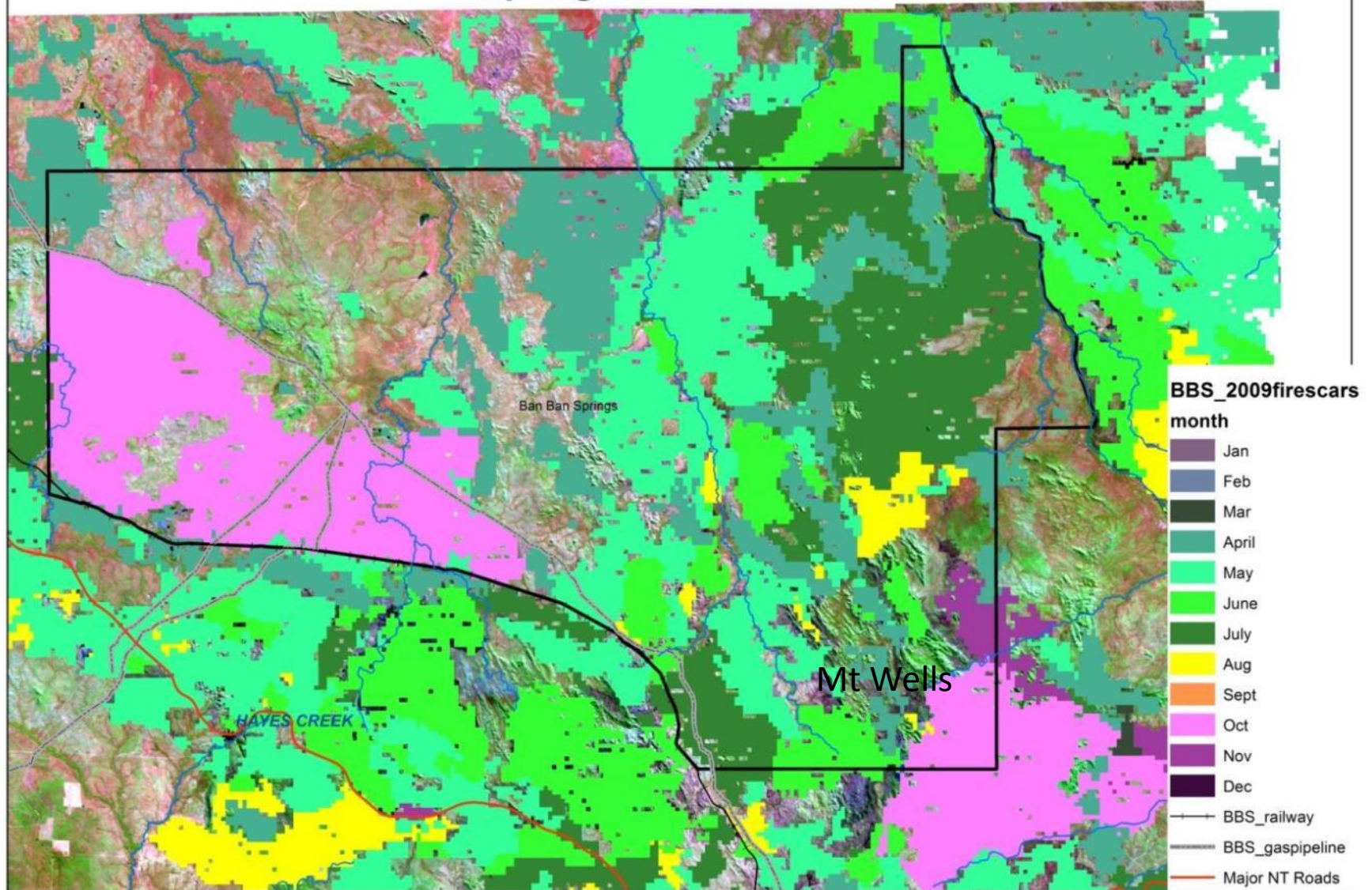
Ton/ha



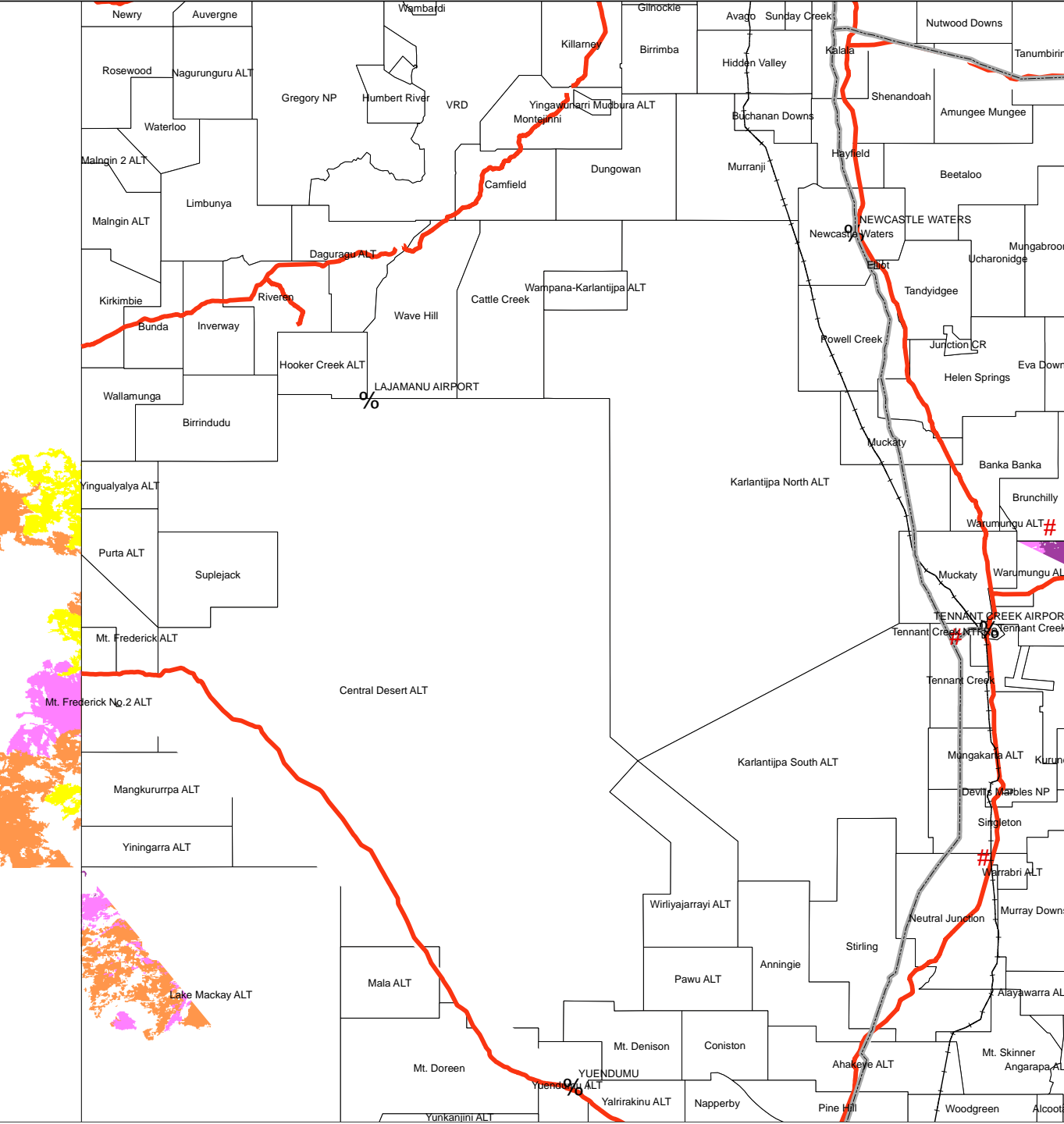
Wildfire

6-12th October 2009

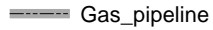
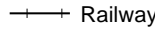
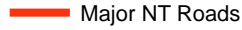
Ban Ban Springs 2009 fire scars















2011 Tanami wildfire



Legend

-  Gas_pipeline
-  Railway
-  Major NT Roads

fs11_mths_gda month

-  Jan
-  Feb
-  Mar
-  April
-  May
-  June
-  July
-  Aug
-  Sept
-  Oct
-  Nov
-  Dec